

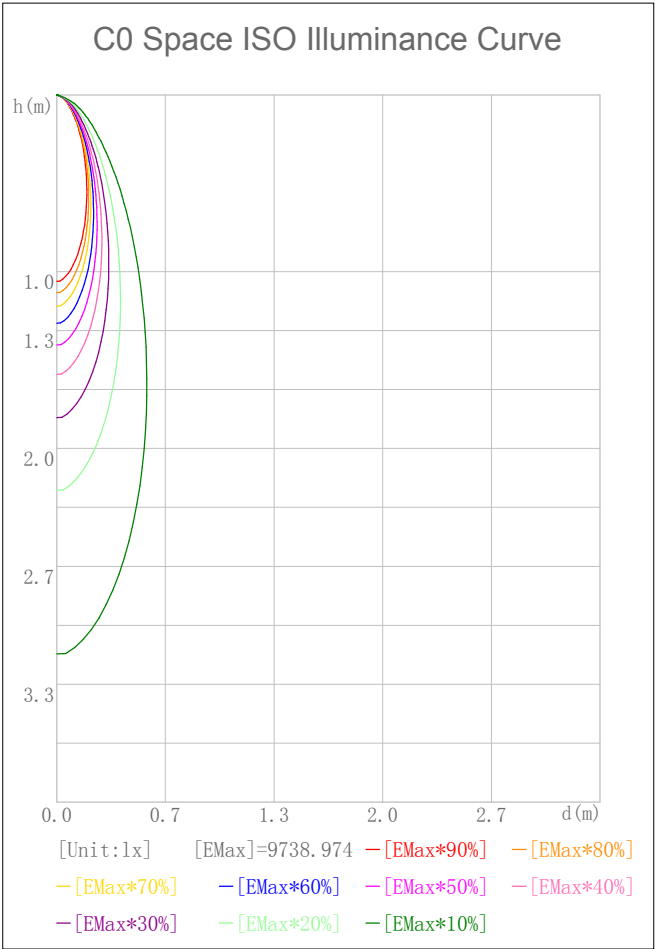
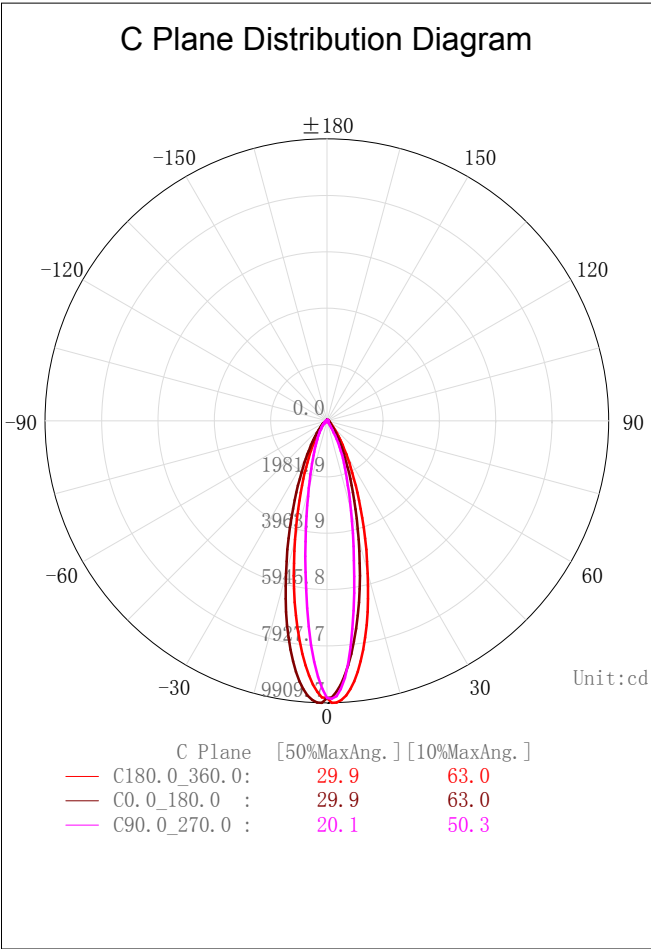
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2018/10/17
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): 3000 Ra:
Lum. Size (W*L*H):0.050m*-0.050m*0.000m		Lum. Area (m2):0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%):

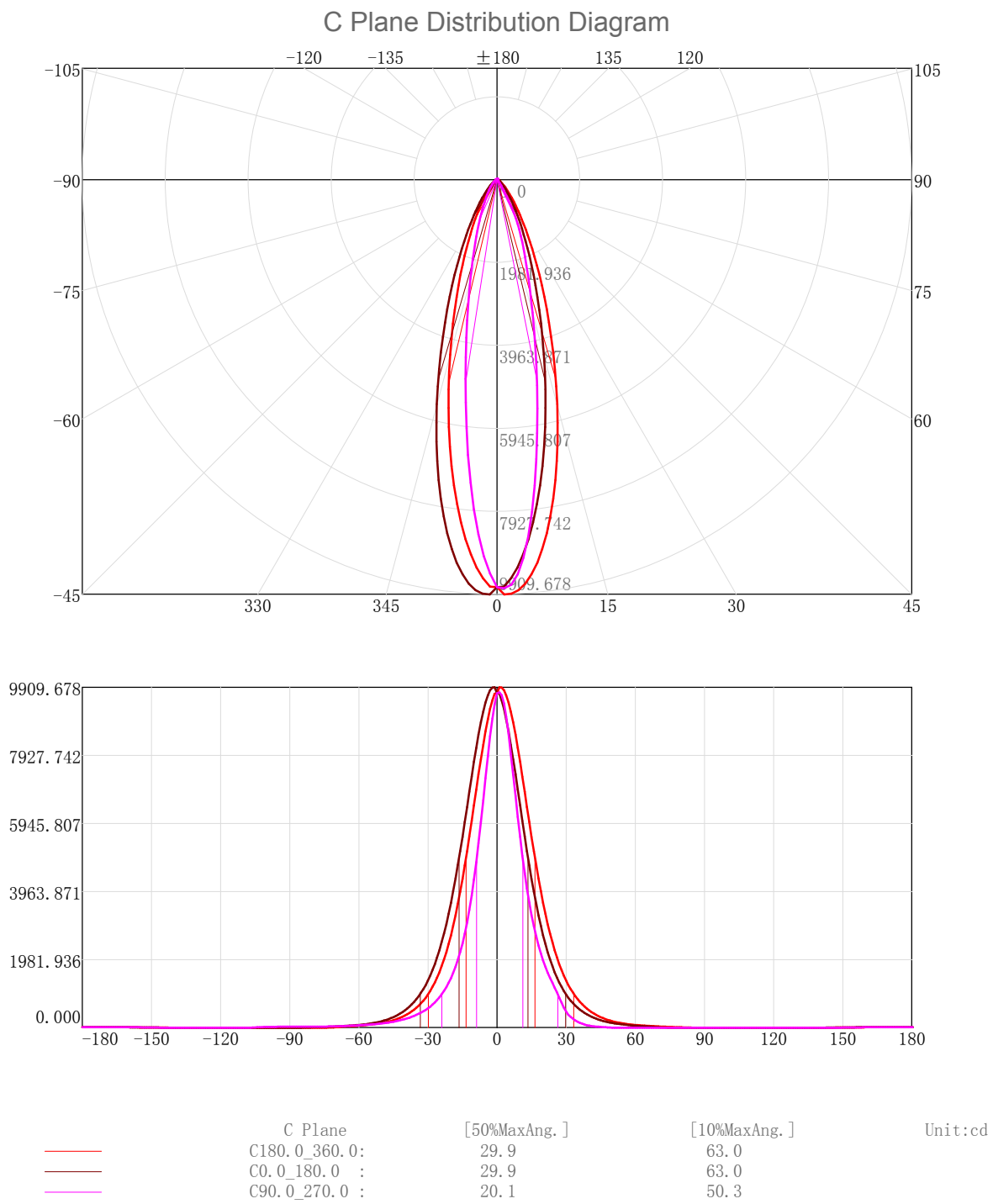
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 2998.000	Luminary Flux(lm): 2998.426	Field Angle(10%Imax): 63.0(°)	
Rated Power(W):	Luminary Efficiency: 100.01%	Down Lumens&Percent: 2978.065lm 99.32%	
Rated Voltage(V): 24	Luminary EER(lm/W): 68.286	Up Lumens&Percent: 20.361lm 0.68%	
Tested Power(W): 43.910	Max. Candela(cd): 9909.678	S/MH: C0_a180=0.500 C90_270=0.341	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):23.4, 1.874	Beam Angle(50%Imax): 29.9(°)	ErP Φuse(90°): 2787.757lm	
Lamp Size (W*L*H):0.050m*-0.050m*0.000m	Left=-13.4°, Right=16.4°	IRF (%): 778.764	



2D Plane Light Intensity Distribution Curve

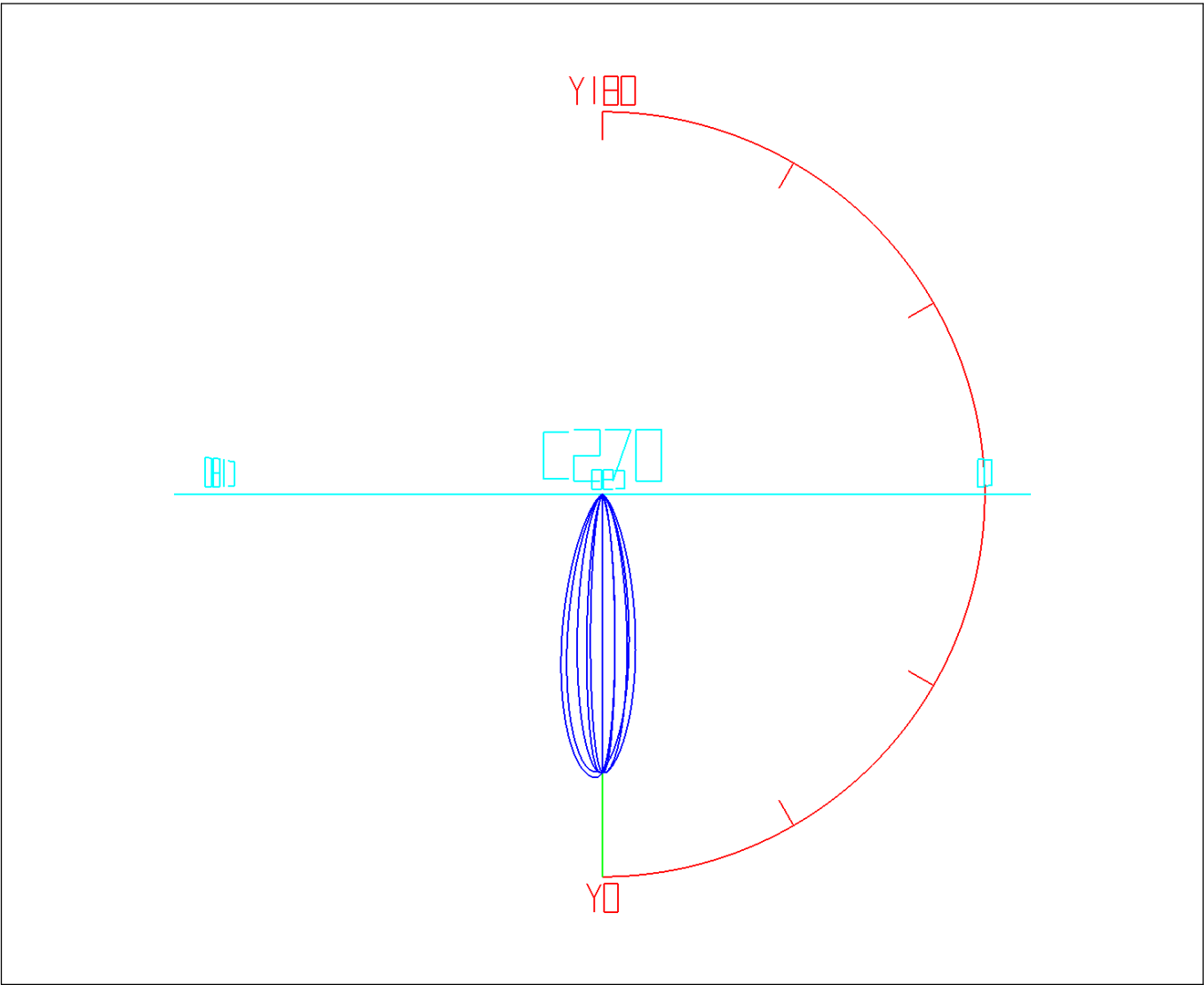
Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17



3D Light Intensity Distribution Modal

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

**IES Indoor Report**  
**Photometric Filename: LWW-3600-4800-B.IES**

## Zonal Flux Tabulation

Zone ( γ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-1.0	9.28	9.28	0.31	0.31	47.0-48.0	10.73	2844.08	0.36	94.87
1.0-2.0	27.48	36.77	0.92	1.23	48.0-49.0	9.90	2853.98	0.33	95.20
2.0-3.0	44.72	81.49	1.49	2.72	49.0-50.0	9.16	2863.14	0.31	95.50
3.0-4.0	60.46	141.95	2.02	4.73	50.0-51.0	8.50	2871.64	0.28	95.79
4.0-5.0	74.30	216.25	2.48	7.21	51.0-52.0	7.90	2879.54	0.26	96.05
5.0-6.0	85.98	302.24	2.87	10.08	52.0-53.0	7.37	2886.91	0.25	96.29
6.0-7.0	95.42	397.66	3.18	13.26	53.0-54.0	6.87	2893.78	0.23	96.52
7.0-8.0	102.68	500.34	3.42	16.69	54.0-55.0	6.41	2900.19	0.21	96.74
8.0-9.0	107.92	608.26	3.60	20.29	55.0-56.0	5.97	2906.16	0.20	96.94
9.0-10.0	111.33	719.59	3.71	24.00	56.0-57.0	5.57	2911.73	0.19	97.12
10.0-11.0	113.08	832.67	3.77	27.77	57.0-58.0	5.19	2916.91	0.17	97.30
11.0-12.0	113.40	946.07	3.78	31.56	58.0-59.0	4.83	2921.75	0.16	97.46
12.0-13.0	112.52	1058.58	3.75	35.31	59.0-60.0	4.51	2926.25	0.15	97.61
13.0-14.0	110.69	1169.27	3.69	39.00	60.0-61.0	4.21	2930.47	0.14	97.75
14.0-15.0	108.13	1277.40	3.61	42.61	61.0-62.0	3.94	2934.41	0.13	97.88
15.0-16.0	104.97	1382.37	3.50	46.11	62.0-63.0	3.69	2938.09	0.12	98.00
16.0-17.0	101.34	1483.72	3.38	49.49	63.0-64.0	3.45	2941.54	0.11	98.12
17.0-18.0	97.35	1581.07	3.25	52.74	64.0-65.0	3.22	2944.76	0.11	98.22
18.0-19.0	93.12	1674.19	3.11	55.84	65.0-66.0	3.00	2947.75	0.10	98.32
19.0-20.0	88.79	1762.98	2.96	58.81	66.0-67.0	2.78	2950.54	0.09	98.42
20.0-21.0	84.42	1847.40	2.82	61.62	67.0-68.0	2.57	2953.11	0.09	98.50
21.0-22.0	80.07	1927.47	2.67	64.29	68.0-69.0	2.37	2955.48	0.08	98.58
22.0-23.0	75.75	2003.22	2.53	66.82	69.0-70.0	2.18	2957.66	0.07	98.65
23.0-24.0	71.45	2074.67	2.38	69.20	70.0-71.0	2.00	2959.66	0.07	98.72
24.0-25.0	67.17	2141.84	2.24	71.44	71.0-72.0	1.82	2961.47	0.06	98.78
25.0-26.0	62.97	2204.81	2.10	73.54	72.0-73.0	1.65	2963.12	0.05	98.84
26.0-27.0	58.82	2263.63	1.96	75.50	73.0-74.0	1.49	2964.61	0.05	98.89
27.0-28.0	54.71	2318.34	1.82	77.33	74.0-75.0	1.34	2965.95	0.04	98.93
28.0-29.0	50.71	2369.05	1.69	79.02	75.0-76.0	1.22	2967.18	0.04	98.97
29.0-30.0	46.92	2415.97	1.56	80.59	76.0-77.0	1.12	2968.30	0.04	99.01
30.0-31.0	43.41	2459.38	1.45	82.03	77.0-78.0	1.03	2969.32	0.03	99.04
31.0-32.0	40.21	2499.59	1.34	83.38	78.0-79.0	0.95	2970.27	0.03	99.08
32.0-33.0	37.27	2536.86	1.24	84.62	79.0-80.0	0.88	2971.15	0.03	99.10
33.0-34.0	34.52	2571.37	1.15	85.77	80.0-81.0	0.83	2971.98	0.03	99.13
34.0-35.0	31.89	2603.27	1.06	86.83	81.0-82.0	0.78	2972.76	0.03	99.16
35.0-36.0	29.36	2632.63	0.98	87.81	82.0-83.0	0.74	2973.50	0.02	99.18
36.0-37.0	26.94	2659.57	0.90	88.71	83.0-84.0	0.71	2974.20	0.02	99.21
37.0-38.0	24.67	2684.25	0.82	89.53	84.0-85.0	0.68	2974.88	0.02	99.23
38.0-39.0	22.61	2706.85	0.75	90.29	85.0-86.0	0.66	2975.54	0.02	99.25
39.0-40.0	20.75	2727.60	0.69	90.98	86.0-87.0	0.64	2976.18	0.02	99.27
40.0-41.0	19.08	2746.69	0.64	91.62	87.0-88.0	0.63	2976.81	0.02	99.29
41.0-42.0	17.57	2764.25	0.59	92.20	88.0-89.0	0.63	2977.44	0.02	99.31
42.0-43.0	16.18	2780.43	0.54	92.74	89.0-90.0	0.62	2978.06	0.02	99.34
43.0-44.0	14.90	2795.34	0.50	93.24	90.0-91.0	0.62	2978.69	0.02	99.36
44.0-45.0	13.73	2809.07	0.46	93.70	91.0-92.0	0.62	2979.30	0.02	99.38
45.0-46.0	12.64	2821.71	0.42	94.12	92.0-93.0	0.61	2979.91	0.02	99.40
46.0-47.0	11.64	2833.35	0.39	94.51	93.0-94.0	0.60	2980.51	0.02	99.42

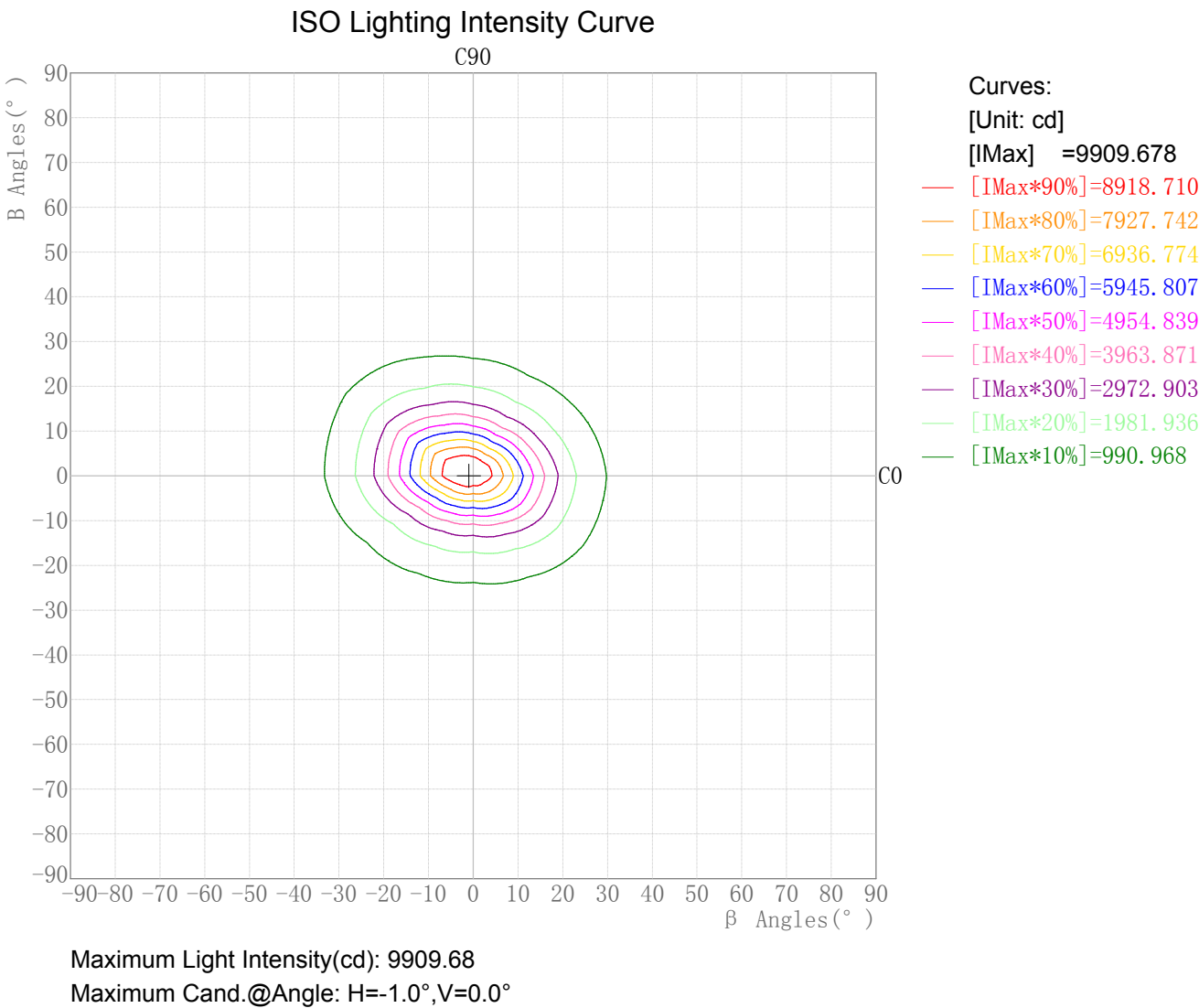
**Photometric Filename: LWW-3600-4800-B.IES**

### Zonal Flux Tabulation - (Cont.)

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.59	2981.10	0.02	99.44	141.0-142.0	0.08	2985.85	0.00	99.59
95.0-96.0	0.57	2981.67	0.02	99.46	142.0-143.0	0.11	2985.96	0.00	99.60
96.0-97.0	0.55	2982.22	0.02	99.47	143.0-144.0	0.14	2986.10	0.00	99.60
97.0-98.0	0.53	2982.75	0.02	99.49	144.0-145.0	0.18	2986.28	0.01	99.61
98.0-99.0	0.50	2983.25	0.02	99.51	145.0-146.0	0.21	2986.49	0.01	99.62
99.0-100.0	0.46	2983.71	0.02	99.52	146.0-147.0	0.25	2986.74	0.01	99.62
100.0-101.0	0.41	2984.12	0.01	99.54	147.0-148.0	0.28	2987.02	0.01	99.63
101.0-102.0	0.36	2984.49	0.01	99.55	148.0-149.0	0.32	2987.34	0.01	99.64
102.0-103.0	0.31	2984.80	0.01	99.56	149.0-150.0	0.35	2987.69	0.01	99.66
103.0-104.0	0.26	2985.07	0.01	99.57	150.0-151.0	0.38	2988.06	0.01	99.67
104.0-105.0	0.21	2985.28	0.01	99.58	151.0-152.0	0.41	2988.47	0.01	99.68
105.0-106.0	0.16	2985.43	0.01	99.58	152.0-153.0	0.43	2988.90	0.01	99.70
106.0-107.0	0.11	2985.54	0.00	99.58	153.0-154.0	0.45	2989.35	0.02	99.71
107.0-108.0	0.05	2985.59	0.00	99.59	154.0-155.0	0.47	2989.82	0.02	99.73
108.0-109.0	0.01	2985.61	0.00	99.59	155.0-156.0	0.49	2990.31	0.02	99.74
109.0-110.0	0.00	2985.61	0.00	99.59	156.0-157.0	0.50	2990.81	0.02	99.76
110.0-111.0	0.00	2985.61	0.00	99.59	157.0-158.0	0.51	2991.31	0.02	99.78
111.0-112.0	0.00	2985.61	0.00	99.59	158.0-159.0	0.51	2991.82	0.02	99.79
112.0-113.0	0.00	2985.61	0.00	99.59	159.0-160.0	0.51	2992.33	0.02	99.81
113.0-114.0	0.00	2985.61	0.00	99.59	160.0-161.0	0.51	2992.84	0.02	99.83
114.0-115.0	0.00	2985.61	0.00	99.59	161.0-162.0	0.50	2993.34	0.02	99.84
115.0-116.0	0.00	2985.61	0.00	99.59	162.0-163.0	0.49	2993.83	0.02	99.86
116.0-117.0	0.00	2985.61	0.00	99.59	163.0-164.0	0.48	2994.30	0.02	99.88
117.0-118.0	0.00	2985.61	0.00	99.59	164.0-165.0	0.46	2994.76	0.02	99.89
118.0-119.0	0.00	2985.61	0.00	99.59	165.0-166.0	0.44	2995.20	0.01	99.91
119.0-120.0	0.00	2985.61	0.00	99.59	166.0-167.0	0.42	2995.62	0.01	99.92
120.0-121.0	0.00	2985.61	0.00	99.59	167.0-168.0	0.40	2996.02	0.01	99.93
121.0-122.0	0.00	2985.61	0.00	99.59	168.0-169.0	0.37	2996.39	0.01	99.95
122.0-123.0	0.00	2985.61	0.00	99.59	169.0-170.0	0.34	2996.73	0.01	99.96
123.0-124.0	0.00	2985.61	0.00	99.59	170.0-171.0	0.31	2997.05	0.01	99.97
124.0-125.0	0.00	2985.61	0.00	99.59	171.0-172.0	0.28	2997.33	0.01	99.98
125.0-126.0	0.00	2985.61	0.00	99.59	172.0-173.0	0.25	2997.58	0.01	99.99
126.0-127.0	0.00	2985.61	0.00	99.59	173.0-174.0	0.22	2997.80	0.01	99.99
127.0-128.0	0.00	2985.61	0.00	99.59	174.0-175.0	0.19	2997.99	0.01	100.00
128.0-129.0	0.00	2985.61	0.00	99.59	175.0-176.0	0.16	2998.15	0.01	100.00
129.0-130.0	0.00	2985.61	0.00	99.59	176.0-177.0	0.12	2998.27	0.00	100.01
130.0-131.0	0.00	2985.61	0.00	99.59	177.0-178.0	0.09	2998.36	0.00	100.01
131.0-132.0	0.00	2985.61	0.00	99.59	178.0-179.0	0.05	2998.41	0.00	100.01
132.0-133.0	0.00	2985.61	0.00	99.59	179.0-180.0	0.02	2998.43	0.00	100.01
133.0-134.0	0.00	2985.61	0.00	99.59					
134.0-135.0	0.00	2985.61	0.00	99.59					
135.0-136.0	0.00	2985.61	0.00	99.59					
136.0-137.0	0.01	2985.62	0.00	99.59					
137.0-138.0	0.02	2985.64	0.00	99.59					
138.0-139.0	0.03	2985.67	0.00	99.59					
139.0-140.0	0.04	2985.71	0.00	99.59					
140.0-141.0	0.06	2985.77	0.00	99.59					

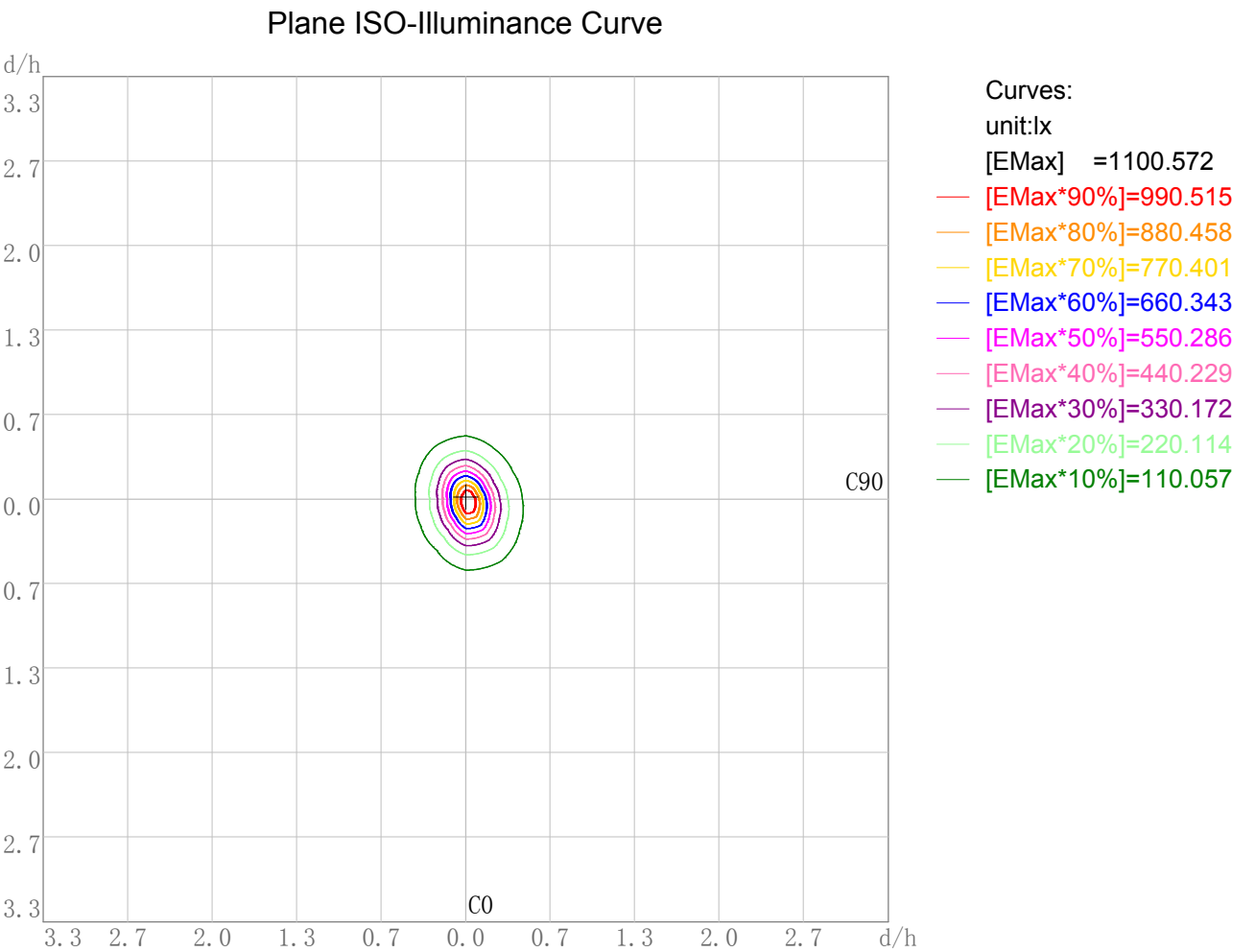
Rectangle ISO Lighting Intensity Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17



Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

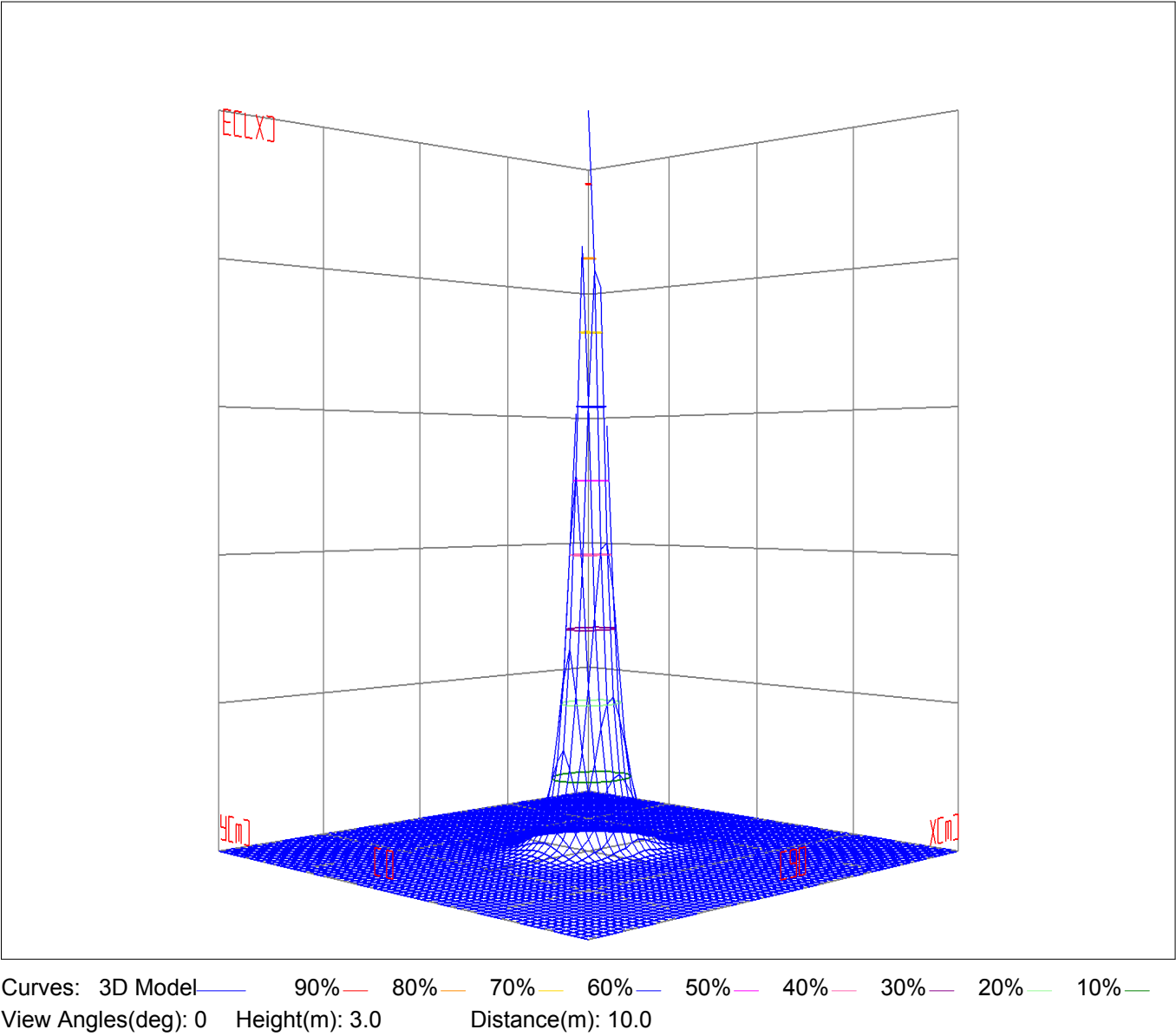


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 1100.57  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

3D Plane Illuminance Modal

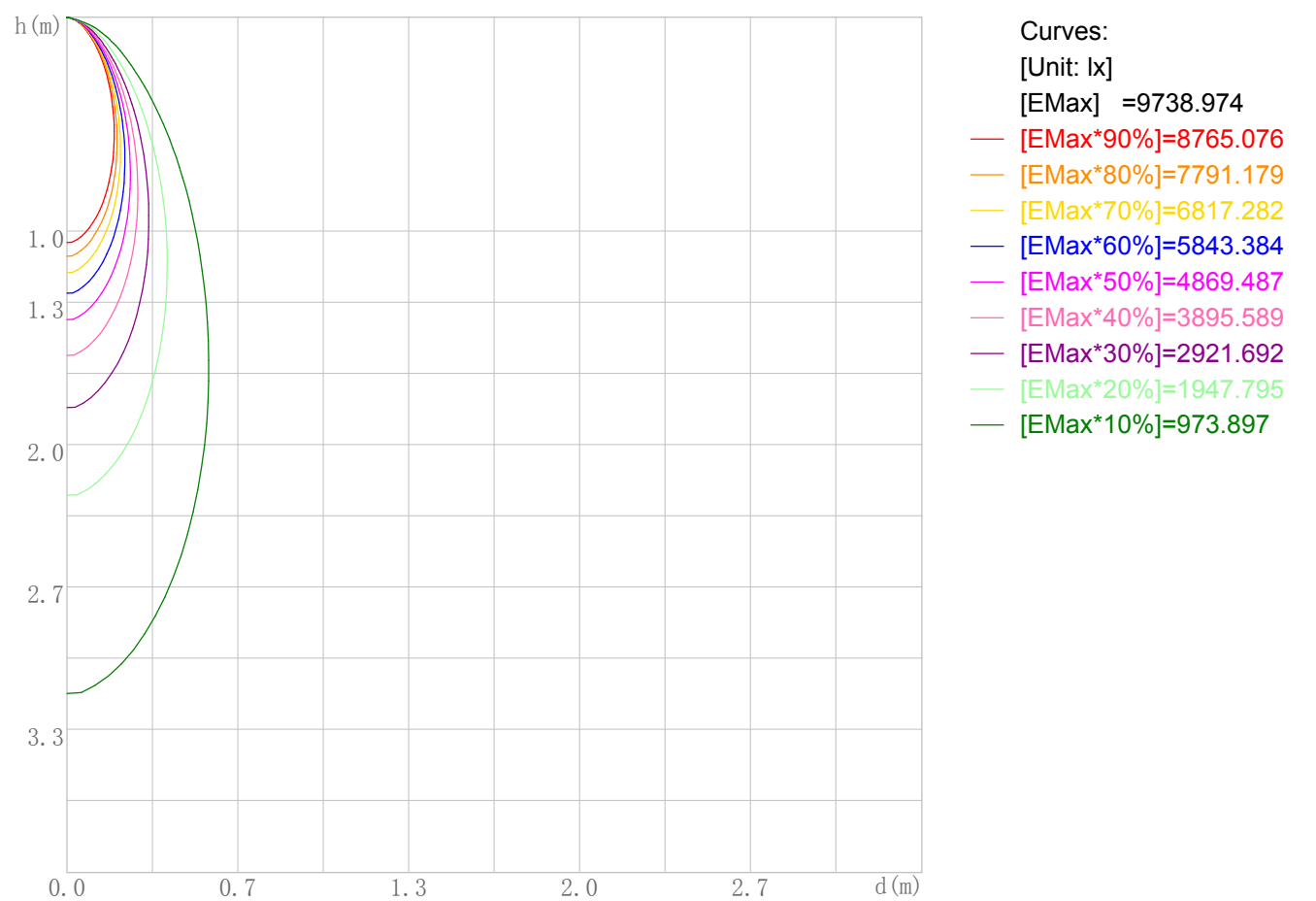




Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

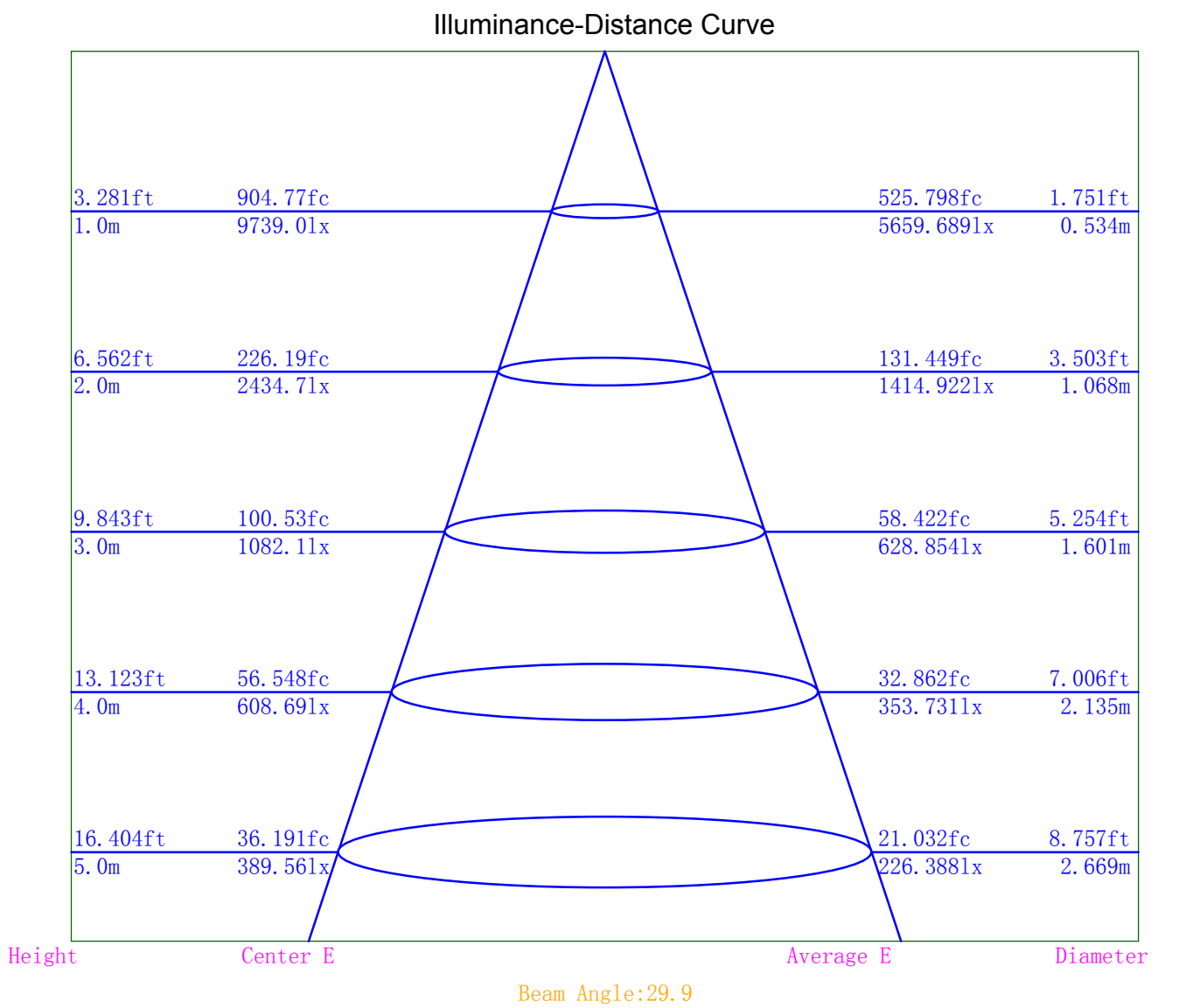
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:9738.97lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:9738.974cd,0eg

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

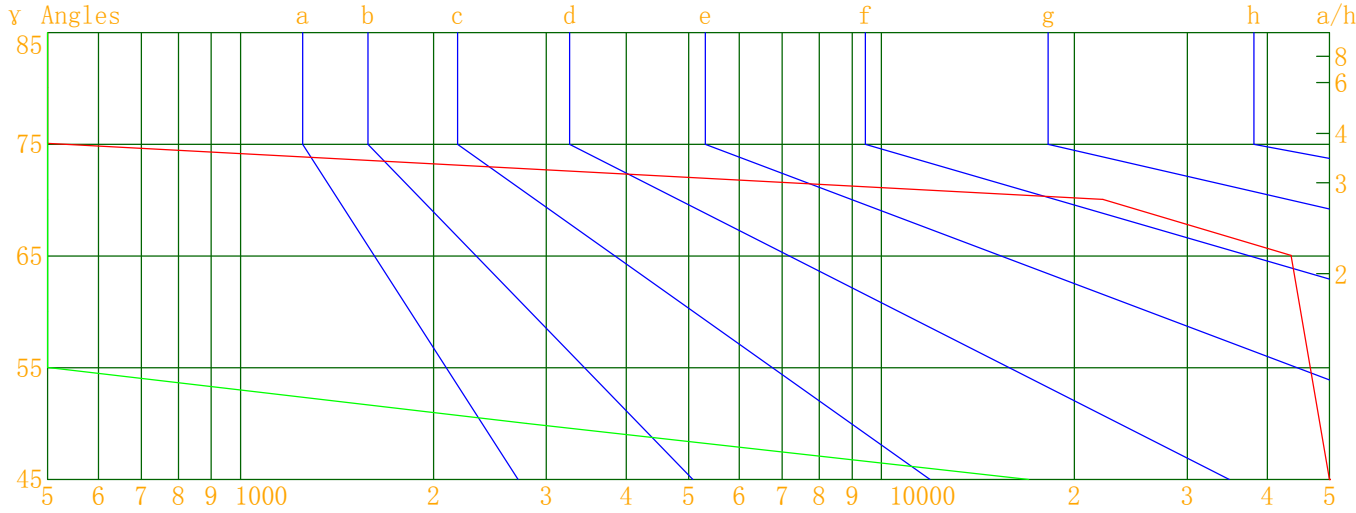
Glare Grade Table

GI	Quality	Using Illuminance							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	156479	110333	80958	60014	43564	22144	0	0	0
C90	16968	2797	0	0	0	0	0	0	0

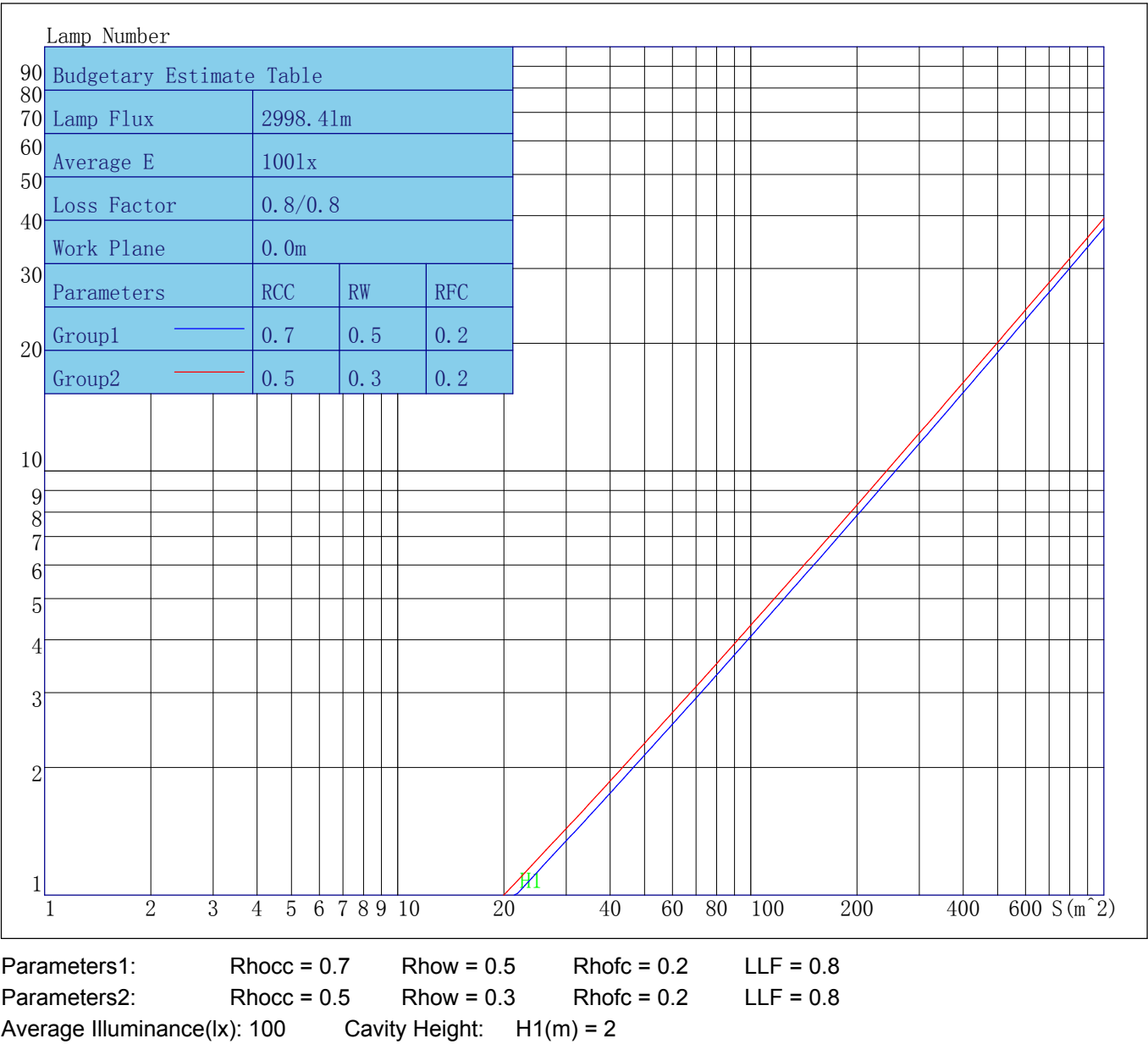
Luminance Limiting Curve



Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963  
Luminous Type: Without Luminous Side  
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17



**Indoor Coefficient of Utilization Table**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

Coefficients of Utilization - Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	99	97	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	79
5	96	88	83	80	94	87	83	79	86	82	78	84	80	78	82	79	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	72	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	73	70	67	66
9	82	74	69	65	81	73	69	65	72	68	65	72	68	65	71	67	65	63
10	79	71	66	63	78	71	66	63	70	65	62	69	65	62	68	65	62	61

# IES Indoor Report

## Photometric Filename:LWW-3600-4800-B.IES

### Unified Glare Rating Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/17

### Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Vewed crosswise					Vewed endwise				
X=2H    Y=2H	23.6	24.6	24.0	25.0	25.3	18.9	19.9	19.3	20.2	20.6
	23.7	24.5	24.1	24.9	25.3	18.7	19.6	19.1	19.9	20.3
	23.6	24.4	24.0	24.8	25.2	18.6	19.4	19.0	19.8	20.2
	23.5	24.2	23.9	24.6	25.0	18.5	19.2	18.9	19.6	20.0
	23.4	24.1	23.8	24.5	24.9	18.4	19.1	18.9	19.5	20.0
	23.3	24.0	23.8	24.4	24.9	18.4	19.1	18.8	19.5	19.9
X=4H    Y=2H	23.5	24.3	23.9	24.7	25.1	19.0	19.9	19.5	20.2	20.6
	23.6	24.2	24.0	24.7	25.1	18.8	19.5	19.3	19.9	20.4
	23.5	24.1	23.9	24.5	25.0	18.7	19.3	19.2	19.8	20.2
	23.4	23.9	23.9	24.4	24.9	18.6	19.1	19.1	19.6	20.1
	23.3	23.8	23.8	24.3	24.7	18.5	19.0	19.0	19.5	20.0
	23.2	23.7	23.7	24.2	24.7	18.5	18.9	19.0	19.4	19.9
X=8H    Y=4H	23.4	23.9	23.9	24.3	24.8	18.6	19.1	19.1	19.6	20.0
	23.3	23.6	23.8	24.2	24.7	18.5	18.9	19.0	19.4	19.9
	23.2	23.5	23.7	24.1	24.6	18.4	18.8	19.0	19.3	19.8
	23.1	23.4	23.7	23.9	24.5	18.4	18.7	18.9	19.2	19.8
X=12H    Y=4H	23.3	23.7	23.8	24.2	24.7	18.5	19.0	19.0	19.5	20.0
	23.2	23.6	23.8	24.0	24.6	18.4	18.8	19.0	19.2	19.8
	23.2	23.5	23.7	24.0	24.6	18.4	18.7	18.9	19.2	19.8
Variations with the objverver position at spacings										
S=1.0H	1.6/-2.2					0.0/0.0				
S=1.5H	2.6/-3.7					7.7/0.0				
S=2.0H	4.4/-6.1					7.3/0.0				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.3					0.3				

o the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

**IES Indoor Report**  
**Photometric Filename:LWW-3600-4800-B.IES**

**Candela Tabulation**

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 0. 0	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97	9738. 97
Y 1. 0	9724. 06	9748. 96	9734. 70	9761. 92	9775. 03	9718. 73	9909. 68	9697. 99	9578. 08	9408. 85	9451. 17	9419. 76
Y 2. 0	9532. 49	9598. 58	9559. 13	9683. 17	9754. 55	9763. 50	9898. 94	9499. 58	9261. 82	9003. 34	9122. 62	9172. 62
Y 3. 0	9281. 05	9339. 02	9231. 86	9440. 97	9614. 44	9736. 58	9819. 76	9203. 04	8817. 07	8487. 76	8704. 15	8873. 12
Y 4. 0	8975. 28	8980. 61	8773. 50	9056. 07	9360. 98	9640. 38	9674. 04	8824. 22	8279. 99	7898. 07	8219. 90	8528. 21
Y 5. 0	8624. 08	8540. 59	8219. 13	8556. 53	9008. 91	9476. 39	9465. 79	8378. 19	7680. 62	7265. 43	7686. 92	8145. 13
Y 6. 0	8232. 49	8036. 51	7606. 90	7978. 54	8577. 79	9248. 49	9201. 93	7881. 66	7049. 60	6617. 39	7127. 31	7729. 73
Y 7. 0	7813. 54	7495. 61	6970. 52	7362. 39	8090. 85	8967. 21	8888. 72	7353. 58	6414. 45	5981. 30	6557. 03	7292. 11
Y 8. 0	7377. 52	6940. 73	6341. 34	6741. 28	7569. 86	8639. 90	8534. 00	6814. 35	5802. 34	5376. 94	5997. 83	6843. 63
Y 9. 0	6930. 59	6383. 10	5738. 44	6133. 48	7034. 52	8274. 91	8147. 95	6279. 86	5226. 86	4816. 98	5460. 55	6392. 96
Y 10. 0	6474. 51	5835. 53	5169. 82	5552. 39	6493. 39	7876. 37	7739. 33	5759. 44	4695. 09	4307. 65	4952. 08	5945. 70
Y 11. 0	6020. 69	5308. 03	4643. 61	5007. 71	5962. 49	7451. 15	7311. 13	5260. 75	4206. 47	3848. 07	4475. 50	5507. 84
Y 12. 0	5573. 56	4807. 65	4163. 77	4506. 55	5451. 17	7011. 66	6869. 40	4785. 34	3764. 05	3433. 36	4034. 38	5079. 35
Y 13. 0	5138. 73	4344. 09	3732. 82	4052. 80	4968. 25	6566. 10	6424. 61	4339. 43	3366. 78	3063. 24	3630. 53	4664. 95
Y 14. 0	4723. 03	3920. 74	3346. 80	3645. 58	4517. 00	6123. 05	5985. 85	3928. 34	3013. 27	2737. 28	3263. 80	4273. 62
Y 15. 0	4329. 24	3534. 37	3004. 43	3279. 86	4101. 14	5686. 26	5553. 48	3553. 49	2701. 36	2451. 74	2934. 10	3905. 53
Y 16. 0	3953. 71	3181. 88	2696. 77	2950. 98	3716. 72	5258. 80	5135. 08	3212. 62	2426. 23	2200. 11	2639. 80	3562. 13
Y 17. 0	3600. 56	2861. 94	2423. 74	2655. 60	3364. 27	4842. 33	4731. 96	2903. 36	2182. 03	1977. 42	2374. 09	3241. 97
Y 18. 0	3271. 40	2573. 02	2180. 81	2393. 31	3041. 53	4444. 72	4345. 30	2621. 00	1963. 41	1778. 75	2135. 95	2944. 25
Y 19. 0	2967. 66	2315. 29	1965. 98	2161. 85	2750. 95	4069. 74	3977. 79	2365. 32	1768. 91	1601. 28	1922. 89	2667. 83
Y 20. 0	2688. 39	2086. 55	1775. 92	1956. 34	2488. 66	3719. 27	3635. 24	2136. 26	1596. 15	1443. 91	1733. 69	2415. 00
Y 21. 0	2434. 19	1881. 04	1607. 01	1772. 34	2253. 58	3392. 06	3314. 38	1931. 52	1441. 65	1305. 58	1564. 13	2185. 86
Y 22. 0	2200. 77	1697. 21	1454. 35	1605. 64	2041. 72	3086. 86	3018. 99	1748. 99	1305. 02	1182. 15	1413. 94	1977. 44
Y 23. 0	1986. 75	1531. 93	1313. 81	1453. 05	1849. 58	2803. 79	2744. 35	1583. 97	1182. 52	1071. 89	1279. 62	1787. 86
Y 24. 0	1791. 36	1384. 06	1178. 30	1308. 68	1675. 43	2542. 42	2491. 16	1434. 95	1072. 08	972. 74	1158. 63	1614. 52
Y 25. 0	1615. 72	1252. 87	1045. 20	1167. 25	1520. 02	2303. 83	2257. 85	1300. 47	973. 04	883. 87	1049. 99	1457. 27
Y 26. 0	1457. 76	1136. 06	910. 72	1025. 31	1381. 03	2088. 11	2045. 39	1179. 95	885. 05	804. 41	953. 15	1316. 64
Y 27. 0	1316. 24	1031. 24	773. 42	879. 11	1256. 53	1890. 86	1851. 76	1071. 73	806. 22	733. 93	866. 16	1189. 32
Y 28. 0	1187. 51	936. 67	636. 63	729. 54	1142. 85	1710. 09	1677. 01	974. 96	736. 05	671. 05	788. 35	1075. 01
Y 29. 0	1070. 88	850. 58	514. 19	589. 07	1039. 36	1545. 74	1517. 49	887. 32	672. 98	614. 63	718. 16	972. 17
Y 30. 0	965. 68	772. 43	414. 89	471. 17	944. 07	1397. 33	1372. 32	807. 76	616. 21	563. 92	654. 57	878. 54
Y 31. 0	871. 01	700. 94	339. 77	379. 51	856. 40	1263. 44	1240. 78	735. 38	565. 44	517. 39	597. 04	793. 58
Y 32. 0	786. 23	634. 07	283. 00	310. 66	774. 76	1142. 96	1122. 09	670. 32	519. 18	475. 65	545. 53	717. 45
Y 33. 0	710. 68	571. 04	237. 61	256. 93	697. 73	1034. 68	1014. 60	611. 79	477. 52	437. 94	498. 91	649. 15
Y 34. 0	642. 26	509. 65	198. 56	212. 73	622. 83	935. 95	918. 22	559. 62	439. 86	403. 67	456. 97	587. 71
Y 35. 0	580. 52	449. 20	163. 61	174. 61	549. 26	845. 83	830. 99	511. 70	405. 46	372. 37	418. 52	532. 82
Y 36. 0	524. 62	389. 88	132. 01	141. 92	475. 40	764. 87	751. 76	467. 80	373. 74	343. 68	383. 56	482. 56
Y 37. 0	474. 36	333. 56	104. 38	113. 71	404. 72	691. 81	679. 96	427. 80	344. 85	317. 30	351. 88	436. 99
Y 38. 0	428. 99	283. 22	82. 27	90. 74	340. 43	626. 10	615. 26	391. 72	318. 48	293. 33	322. 86	395. 80
Y 39. 0	388. 77	240. 81	66. 18	73. 24	284. 66	567. 04	557. 38	358. 94	294. 34	271. 28	296. 75	358. 94
Y 40. 0	352. 38	205. 82	54. 62	60. 31	238. 05	513. 31	504. 64	329. 33	272. 41	251. 52	272. 98	325. 98
Y 41. 0	319. 39	177. 20	45. 54	50. 59	199. 81	464. 32	456. 91	302. 42	252. 38	233. 29	251. 31	296. 11
Y 42. 0	289. 45	152. 98	37. 91	42. 19	168. 44	420. 05	413. 70	277. 85	233. 95	216. 51	231. 26	268. 96
Y 43. 0	262. 52	131. 52	31. 16	35. 16	142. 09	380. 17	374. 65	255. 27	217. 07	201. 04	213. 10	244. 32
Y 44. 0	238. 54	111. 94	25. 54	28. 96	119. 20	344. 59	339. 51	234. 79	201. 76	187. 23	196. 46	222. 29
Y 45. 0	217. 26	93. 47	20. 43	23. 56	99. 33	312. 39	307. 86	216. 15	187. 95	174. 49	181. 34	202. 38
Y 46. 0	198. 00	76. 43	15. 86	18. 59	81. 75	283. 15	279. 55	199. 32	175. 21	162. 95	167. 41	184. 53

**IES Indoor Report**  
**Photometric Filename:LWW-3600-4800-B.IES**

**Candela Tabulation - (Cont.)**

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 47. 0	180. 80	61. 31	11. 64	14. 14	66. 76	256. 69	253. 94	183. 92	163. 65	152. 73	154. 87	168. 69
Y 48. 0	165. 22	49. 31	7. 80	10. 11	54. 87	233. 03	230. 87	169. 86	153. 24	142. 99	143. 27	154. 28
Y 49. 0	151. 61	40. 61	4. 47	6. 54	45. 72	211. 60	209. 86	156. 89	143. 50	133. 94	132. 52	141. 22
Y 50. 0	139. 25	33. 81	1. 83	3. 53	38. 53	192. 50	191. 15	145. 08	134. 66	125. 95	122. 63	129. 52
Y 51. 0	128. 24	28. 19	0. 00	1. 05	32. 46	175. 26	174. 33	134. 34	126. 54	118. 55	113. 61	119. 05
Y 52. 0	117. 88	23. 44	0. 00	0. 00	27. 32	160. 01	159. 40	124. 48	119. 28	111. 68	105. 38	109. 51
Y 53. 0	108. 29	19. 12	0. 00	0. 00	22. 78	145. 98	146. 08	115. 40	112. 42	105. 29	97. 67	100. 99
Y 54. 0	99. 56	15. 16	0. 00	0. 00	18. 48	133. 57	133. 77	107. 08	106. 14	99. 29	90. 64	93. 03
Y 55. 0	91. 18	11. 48	0. 00	0. 00	14. 80	122. 40	122. 80	99. 47	100. 19	93. 71	84. 00	85. 49
Y 56. 0	83. 62	8. 00	0. 00	0. 00	11. 23	112. 50	113. 11	92. 35	94. 55	88. 37	78. 07	78. 71
Y 57. 0	76. 72	4. 75	0. 00	0. 00	7. 92	103. 60	104. 24	85. 86	89. 28	83. 46	72. 33	72. 46
Y 58. 0	70. 39	1. 99	0. 00	0. 00	4. 96	95. 14	96. 07	79. 85	84. 38	78. 88	67. 26	66. 80
Y 59. 0	64. 49	0. 00	0. 00	0. 00	2. 36	87. 32	88. 41	74. 37	79. 70	74. 45	62. 52	61. 64
Y 60. 0	58. 92	0. 00	0. 00	0. 00	0. 02	79. 82	81. 45	69. 03	75. 25	70. 10	57. 92	56. 92
Y 61. 0	53. 91	0. 00	0. 00	0. 00	0. 00	72. 82	75. 08	64. 29	70. 85	66. 14	53. 68	52. 72
Y 62. 0	49. 07	0. 00	0. 00	0. 00	0. 00	66. 11	69. 28	59. 76	66. 89	62. 35	49. 93	48. 78
Y 63. 0	44. 69	0. 00	0. 00	0. 00	0. 00	59. 94	64. 20	55. 50	63. 08	58. 76	46. 24	45. 06
Y 64. 0	40. 40	0. 00	0. 00	0. 00	0. 00	54. 15	59. 58	51. 58	59. 35	55. 43	42. 79	41. 76
Y 65. 0	36. 15	0. 00	0. 00	0. 00	0. 00	48. 91	55. 41	47. 99	56. 08	52. 35	39. 53	38. 71
Y 66. 0	31. 89	0. 00	0. 00	0. 00	0. 00	43. 82	51. 37	44. 44	52. 80	49. 41	36. 33	35. 67
Y 67. 0	27. 63	0. 00	0. 00	0. 00	0. 00	38. 92	47. 68	41. 15	49. 71	46. 73	33. 35	32. 73
Y 68. 0	23. 31	0. 00	0. 00	0. 00	0. 00	34. 47	44. 24	38. 06	47. 03	44. 27	30. 34	29. 82
Y 69. 0	19. 04	0. 00	0. 00	0. 00	0. 00	30. 32	41. 03	34. 91	44. 39	42. 10	27. 77	26. 80
Y 70. 0	14. 87	0. 00	0. 00	0. 00	0. 00	26. 37	38. 10	31. 96	42. 13	40. 15	25. 22	24. 09
Y 71. 0	11. 07	0. 00	0. 00	0. 00	0. 00	22. 29	35. 20	29. 20	39. 99	38. 40	22. 86	21. 51
Y 72. 0	7. 48	0. 00	0. 00	0. 00	0. 00	18. 14	32. 32	26. 51	38. 13	36. 87	20. 55	19. 07
Y 73. 0	4. 28	0. 00	0. 00	0. 00	0. 00	14. 16	29. 43	24. 09	36. 38	35. 39	18. 66	16. 78
Y 74. 0	1. 45	0. 00	0. 00	0. 00	0. 00	10. 47	26. 54	21. 67	34. 79	34. 17	16. 75	14. 79
Y 75. 0	0. 00	0. 00	0. 00	0. 00	0. 00	7. 12	23. 83	19. 39	33. 34	33. 01	15. 02	13. 02
Y 76. 0	0. 00	0. 00	0. 00	0. 00	0. 00	4. 32	21. 21	17. 32	32. 08	31. 97	13. 65	11. 19
Y 77. 0	0. 00	0. 00	0. 00	0. 00	0. 00	1. 71	18. 71	15. 57	31. 09	31. 10	12. 27	9. 57
Y 78. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	16. 50	13. 92	30. 02	30. 42	11. 24	7. 72
Y 79. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	14. 48	12. 38	29. 17	29. 88	10. 18	5. 67
Y 80. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	12. 66	11. 08	28. 52	29. 44	9. 31	3. 75
Y 81. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	10. 87	9. 91	27. 96	29. 39	8. 56	2. 04
Y 82. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	9. 12	8. 89	27. 75	29. 19	7. 95	0. 68
Y 83. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	7. 21	7. 85	27. 58	29. 32	7. 48	0. 00
Y 84. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	5. 37	7. 04	27. 41	29. 10	7. 21	0. 00
Y 85. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	3. 46	6. 52	27. 28	29. 27	6. 88	0. 00
Y 86. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	1. 83	5. 94	27. 15	29. 38	6. 84	0. 00
Y 87. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 54	5. 53	27. 28	29. 37	6. 78	0. 00
Y 88. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	5. 21	27. 28	29. 35	6. 84	0. 00
Y 89. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	5. 20	27. 23	29. 36	6. 73	0. 00
Y 90. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	5. 11	27. 14	29. 37	6. 55	0. 00
Y 91. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	5. 10	27. 11	29. 08	6. 47	0. 00
Y 92. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	4. 99	26. 98	28. 86	6. 26	0. 00
Y 93. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	4. 84	26. 81	28. 59	5. 98	0. 00



**IES Indoor Report**  
**Photometric Filename:LWW-3600-4800-B.IES**

**Candela Tabulation - (Cont.)**

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 94. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	4. 70	26. 43	28. 19	5. 80	0. 00
Y 95. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	4. 64	26. 04	27. 71	5. 56	0. 00
Y 96. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	4. 27	25. 58	27. 25	4. 94	0. 00
Y 97. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	4. 05	25. 14	26. 57	4. 06	0. 00
Y 98. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	3. 67	24. 71	25. 77	2. 95	0. 00
Y 99. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	3. 21	23. 89	24. 67	1. 61	0. 00
Y 100. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	2. 23	22. 92	23. 04	0. 29	0. 00
Y 101. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	1. 10	21. 49	20. 93	0. 00	0. 00
Y 102. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	19. 60	18. 33	0. 00	0. 00
Y 103. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	17. 24	15. 23	0. 00	0. 00
Y 104. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	14. 28	12. 32	0. 00	0. 00
Y 105. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	11. 50	9. 34	0. 00	0. 00
Y 106. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	8. 73	6. 37	0. 00	0. 00
Y 107. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	5. 95	3. 05	0. 00	0. 00
Y 108. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	2. 96	0. 29	0. 00	0. 00
Y 109. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 13	0. 00	0. 00	0. 00
Y 110. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 111. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 112. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 113. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 114. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 115. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 116. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 117. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 118. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 119. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 120. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 121. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 122. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 123. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 124. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 125. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 126. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 127. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 128. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 129. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 130. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 131. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 132. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 133. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 134. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
Y 135. 0	0. 08	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 24
Y 136. 0	0. 45	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 63
Y 137. 0	0. 91	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	1. 08
Y 138. 0	1. 47	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 29	1. 56
Y 139. 0	1. 87	0. 35	0. 00	0. 00	0. 00	0. 00	0. 21	0. 00	0. 00	0. 00	0. 82	2. 11
Y 140. 0	2. 50	0. 84	0. 00	0. 00	0. 00	0. 16	0. 70	0. 00	0. 00	0. 00	1. 42	2. 78

**IES Indoor Report**  
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**Candela Tabulation - (Cont.)**

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0	C210. 0	C240. 0	C270. 0	C300. 0	C330. 0
Y 141. 0	2. 96	1. 38	0. 00	0. 00	0. 00	0. 63	1. 25	0. 53	0. 00	0. 09	1. 98	3. 23
Y 142. 0	3. 60	1. 83	0. 00	0. 00	0. 22	0. 96	1. 63	1. 01	0. 03	0. 63	2. 69	3. 80
Y 143. 0	4. 16	2. 48	0. 57	0. 00	0. 60	1. 48	2. 14	1. 59	0. 67	1. 51	3. 33	4. 46
Y 144. 0	4. 70	3. 23	1. 14	0. 26	1. 24	1. 97	2. 54	2. 17	1. 37	2. 13	4. 07	4. 96
Y 145. 0	5. 36	3. 84	1. 75	0. 77	1. 76	2. 56	3. 23	2. 84	2. 12	2. 99	4. 63	5. 50
Y 146. 0	5. 88	4. 46	2. 41	1. 43	2. 42	3. 01	3. 78	3. 50	2. 75	3. 78	5. 37	6. 25
Y 147. 0	6. 61	5. 16	3. 20	2. 14	3. 02	3. 53	4. 43	4. 18	3. 75	4. 68	6. 13	6. 83
Y 148. 0	7. 24	5. 88	3. 91	2. 77	3. 57	4. 10	4. 93	4. 97	4. 65	5. 58	6. 86	7. 38
Y 149. 0	7. 77	6. 61	4. 71	3. 67	4. 27	4. 73	5. 55	5. 56	5. 53	6. 46	7. 62	8. 06
Y 150. 0	8. 41	7. 42	5. 53	4. 47	4. 93	5. 25	6. 16	6. 29	6. 39	7. 48	8. 34	8. 61
Y 151. 0	9. 06	8. 14	6. 50	5. 37	5. 72	5. 77	6. 79	7. 03	7. 33	8. 38	9. 11	9. 23
Y 152. 0	9. 65	8. 81	7. 43	6. 23	6. 32	6. 43	7. 37	7. 79	8. 30	9. 42	9. 75	9. 89
Y 153. 0	10. 36	9. 51	8. 39	7. 13	7. 00	7. 01	8. 10	8. 49	9. 25	10. 32	10. 40	10. 41
Y 154. 0	10. 99	10. 39	9. 26	8. 06	7. 68	7. 73	8. 75	9. 25	10. 13	11. 16	11. 33	10. 95
Y 155. 0	11. 51	11. 10	10. 22	9. 08	8. 49	8. 28	9. 30	9. 98	10. 90	11. 92	11. 87	11. 65
Y 156. 0	12. 03	11. 85	11. 06	9. 84	9. 20	8. 85	9. 92	10. 77	11. 83	12. 61	12. 63	12. 06
Y 157. 0	12. 59	12. 42	11. 94	10. 74	10. 00	9. 32	10. 53	11. 37	12. 61	13. 39	13. 20	12. 59
Y 158. 0	13. 13	13. 01	12. 59	11. 60	10. 61	9. 91	11. 17	11. 95	13. 37	14. 01	13. 72	13. 06
Y 159. 0	13. 59	13. 74	13. 41	12. 34	11. 11	10. 51	11. 54	12. 65	14. 05	14. 65	14. 37	13. 56
Y 160. 0	14. 13	14. 31	14. 05	13. 06	11. 84	11. 04	12. 30	13. 31	14. 57	15. 17	14. 84	14. 01
Y 161. 0	14. 61	14. 79	14. 81	13. 79	12. 43	11. 62	12. 72	13. 73	15. 12	15. 65	15. 43	14. 37
Y 162. 0	15. 06	15. 39	15. 34	14. 44	12. 94	12. 07	13. 33	14. 26	15. 67	16. 10	15. 78	14. 84
Y 163. 0	15. 53	15. 88	15. 79	14. 97	13. 55	12. 54	13. 77	14. 65	16. 10	16. 38	16. 18	15. 24
Y 164. 0	15. 87	16. 33	16. 28	15. 50	14. 05	12. 89	14. 18	15. 15	16. 48	16. 72	16. 58	15. 53
Y 165. 0	16. 23	16. 79	16. 72	15. 93	14. 54	13. 36	14. 59	15. 64	16. 91	17. 01	16. 86	15. 85
Y 166. 0	16. 56	17. 17	17. 12	16. 33	14. 87	13. 86	15. 04	15. 93	17. 24	17. 30	17. 19	16. 18
Y 167. 0	16. 89	17. 56	17. 37	16. 78	15. 34	14. 26	15. 44	16. 24	17. 35	17. 47	17. 42	16. 47
Y 168. 0	17. 15	17. 75	17. 62	17. 00	15. 56	14. 66	15. 81	16. 57	17. 57	17. 67	17. 61	16. 67
Y 169. 0	17. 41	18. 05	17. 91	17. 29	15. 96	14. 89	16. 27	16. 76	17. 71	17. 76	17. 83	16. 99
Y 170. 0	17. 74	18. 34	17. 97	17. 54	16. 24	15. 37	16. 60	17. 01	17. 90	17. 94	17. 94	17. 07
Y 171. 0	17. 96	18. 45	18. 18	17. 70	16. 45	15. 67	16. 84	17. 14	17. 99	17. 96	17. 98	17. 32
Y 172. 0	18. 14	18. 62	18. 22	17. 78	16. 59	15. 91	17. 30	17. 43	18. 06	17. 91	18. 09	17. 48
Y 173. 0	18. 43	18. 63	18. 22	17. 93	16. 89	16. 35	17. 57	17. 56	18. 00	17. 92	18. 24	17. 70
Y 174. 0	18. 48	18. 82	18. 31	17. 86	17. 05	16. 58	17. 78	17. 69	17. 96	17. 93	18. 18	17. 79
Y 175. 0	18. 62	18. 80	18. 25	17. 88	17. 23	16. 91	18. 03	17. 88	18. 13	17. 88	18. 29	18. 00
Y 176. 0	18. 71	18. 94	18. 22	17. 92	17. 35	17. 18	18. 34	18. 02	18. 05	17. 85	18. 24	18. 00
Y 177. 0	18. 73	18. 89	18. 16	17. 97	17. 42	17. 42	18. 57	18. 24	18. 00	17. 82	18. 22	18. 16
Y 178. 0	18. 96	18. 83	18. 15	17. 89	17. 67	17. 65	18. 78	18. 34	18. 11	17. 80	18. 22	18. 05
Y 179. 0	18. 95	18. 76	18. 07	17. 95	17. 81	17. 94	18. 99	18. 51	18. 12	17. 91	18. 20	18. 13
Y 180. 0	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39	18. 39