

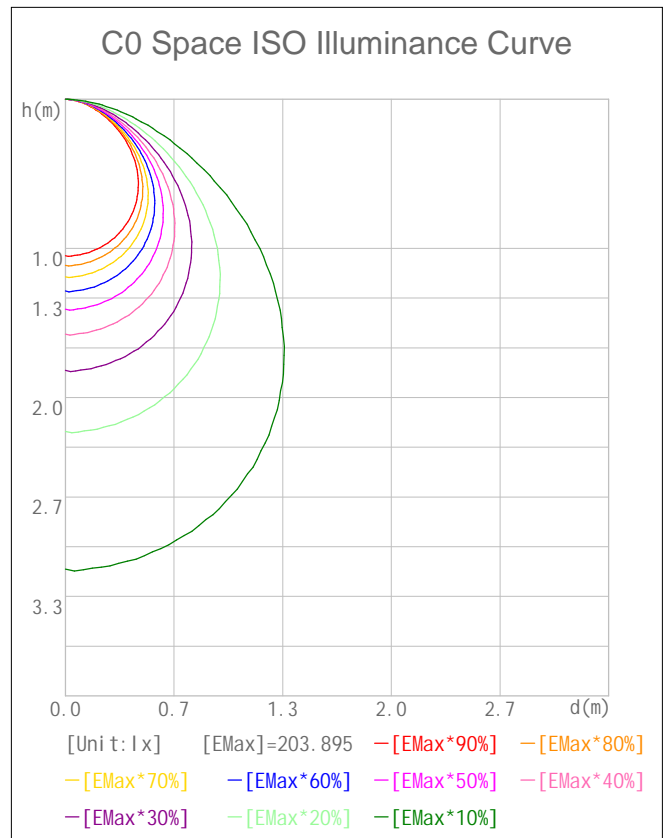
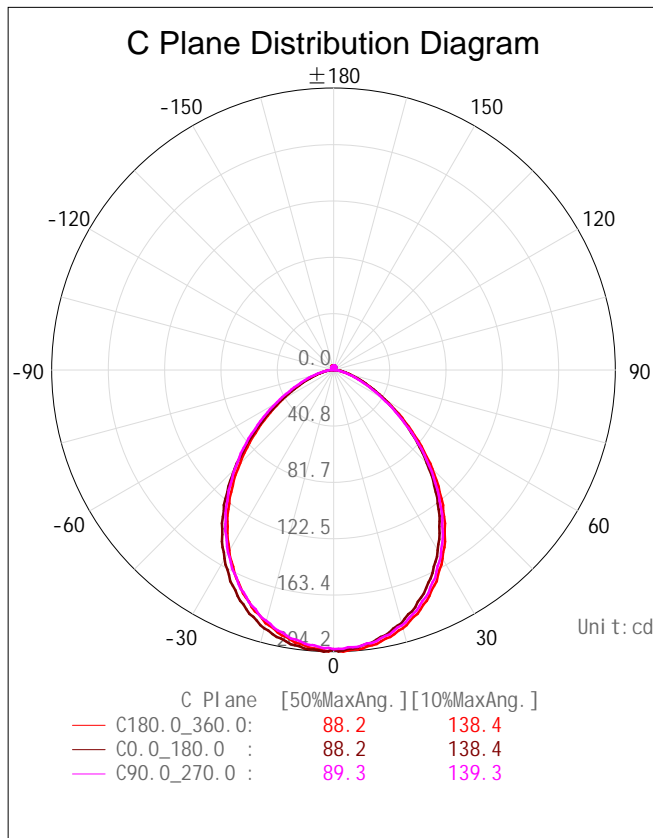
Indoor Luminaire Photometric Data

Description Information

Luminary Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Date: 2020/03/02
Manufacture: YH	Shld. Ang(°):	Test Machine: GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H): 0.000m*0.000m*0.000m	Lum. Area(m2): 0.000	Lum. W(kg):
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25
		Humidi ty(%): 50.0

Character Parameter

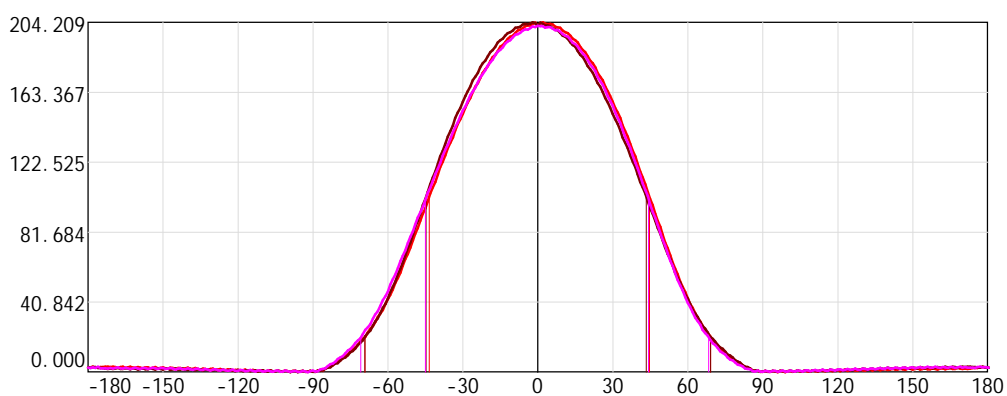
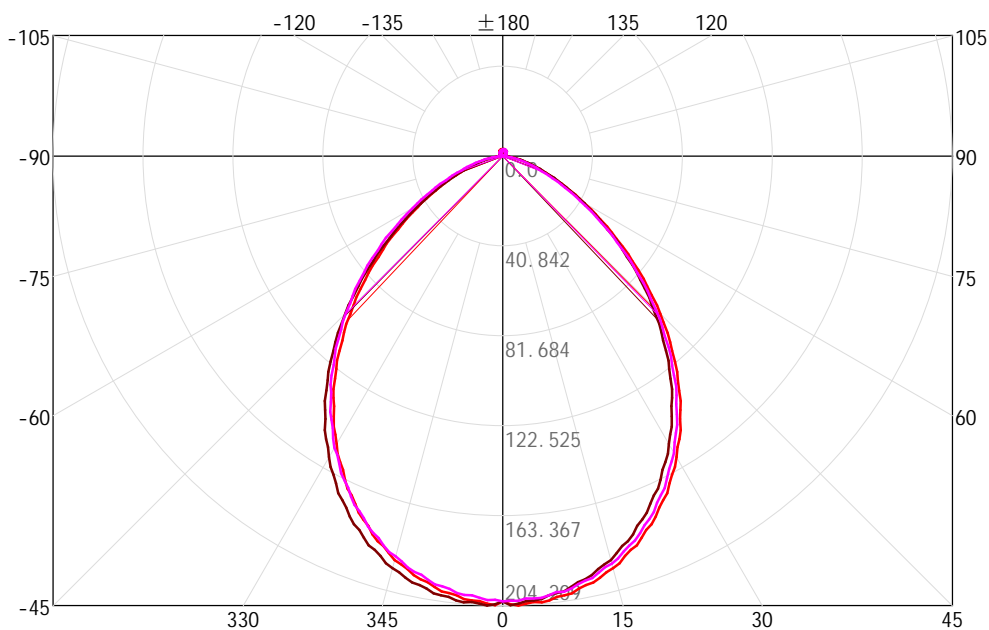
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1.000	Luminary Flux(lm): 418.053	Field Angle(10%Imax): 138.4(°)
Rated Power(W):	Luminary Efficiency: 41805.35%	Down Lumens&Percent: 410.246lm 98.13%
Rated Voltage(V):	Luminary EER(lm/W): 80.349	Up Lumens&Percent: 7.808lm 1.87%
Tested Power(W): 5.203	Max. Candela(cd): 204.209	S/MH: C0_a180=1.148 C90_270=1.145
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 120.8, 0.044, 0.970	Beam Angle(50%Imax): 88.2(°)	ErP Φuse(90°): 275.612lm
Lamp Size(W*L*H): 0.000m*0.000m*0.000m	Left=-43.5°, Right=44.7°	IRF(%): 132.493



2D Plane Light Intensity Distribution Curve

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

C Plane Distribution Diagram

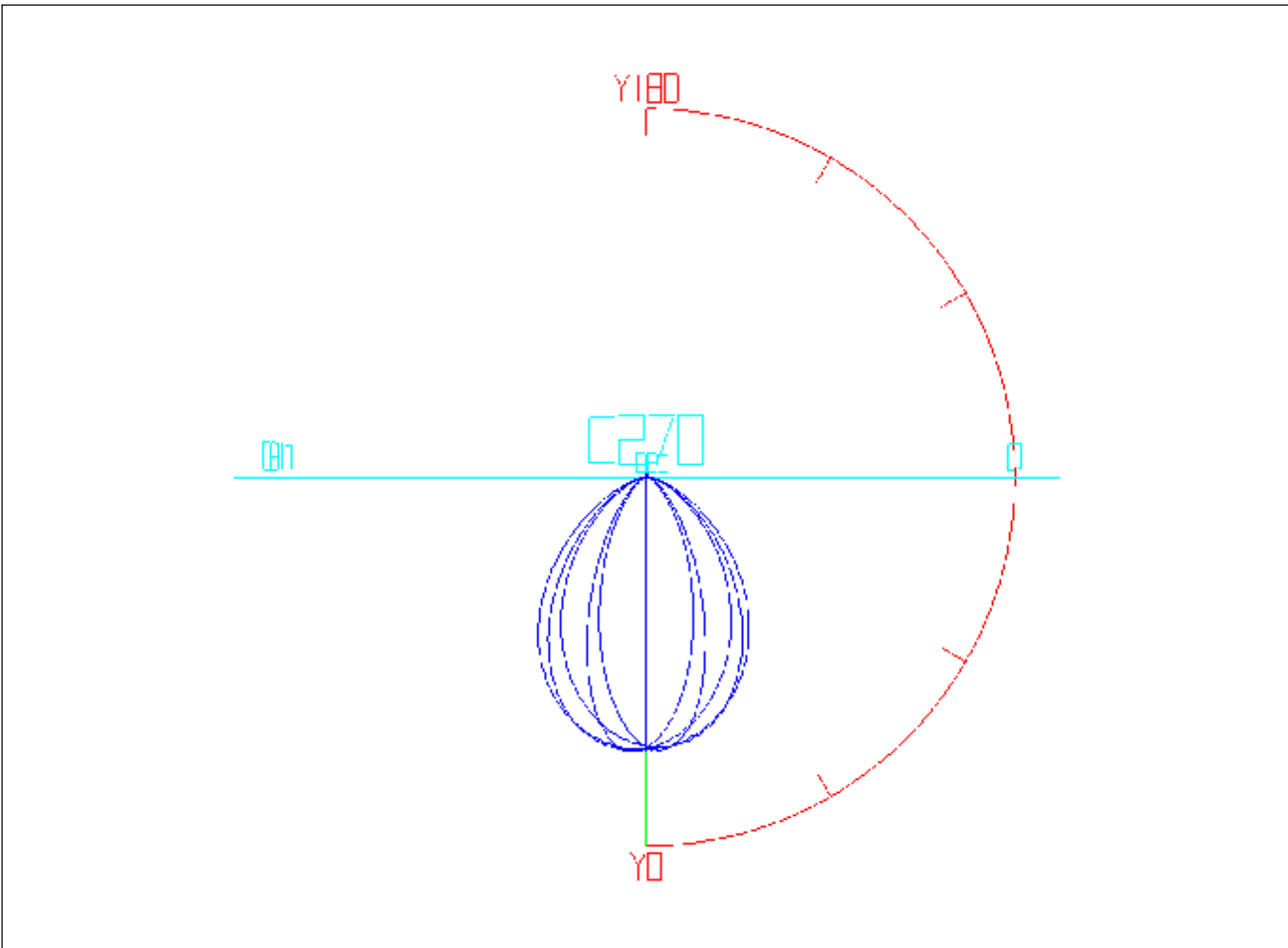


	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit: cd
—	C180.0_360.0 :	88.2	138.4	
—	C0.0_180.0 :	88.2	138.4	
—	C90.0_270.0 :	89.3	139.3	

3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

3D Light Intensity Distribution Modal



Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

IES Indoor Report
Photometric Filename:IZC1691L-2.IES

Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.19	0.19	19.34	19.34	44.0-45.0	7.74	7.74	774.09	774.09
1.0-2.0	0.58	0.77	58.01	77.35	45.0-46.0	7.56	15.30	756.37	1530.46
2.0-3.0	0.97	1.74	96.53	173.88	46.0-47.0	7.37	22.68	737.11	2267.56
3.0-4.0	1.35	3.09	134.80	308.68	47.0-48.0	7.18	29.86	717.97	2985.53
4.0-5.0	1.73	4.82	172.95	481.63	48.0-49.0	6.98	36.83	697.67	3683.20
5.0-6.0	2.11	6.92	210.82	692.45	49.0-50.0	6.75	43.58	675.08	4358.28
6.0-7.0	2.48	9.40	248.05	940.50	50.0-51.0	6.52	50.10	651.98	5010.26
7.0-8.0	2.85	12.25	284.91	1225.41	51.0-52.0	6.29	56.39	628.59	5638.84
8.0-9.0	3.22	15.47	321.55	1546.96	52.0-53.0	6.04	62.42	603.55	6242.39
9.0-10.0	3.57	19.04	357.22	1904.18	53.0-54.0	5.78	68.21	578.13	6820.53
10.0-11.0	3.92	22.96	391.96	2296.14	54.0-55.0	5.54	73.74	553.53	7374.06
11.0-12.0	4.26	27.23	426.44	2722.58	55.0-56.0	5.28	79.02	527.99	7902.05
12.0-13.0	4.60	31.83	460.13	3182.71	56.0-57.0	5.01	84.03	501.39	8403.44
13.0-14.0	4.92	36.75	492.30	3675.01	57.0-58.0	4.76	88.79	475.88	8879.32
14.0-15.0	5.24	41.99	523.88	4198.90	58.0-59.0	4.51	93.30	450.76	9330.07
15.0-16.0	5.55	47.54	554.86	4753.75	59.0-60.0	4.25	97.55	424.87	9754.94
16.0-17.0	5.84	53.38	583.91	5337.66	60.0-61.0	4.00	101.55	399.78	10154.72
17.0-18.0	6.12	59.49	611.73	5949.39	61.0-62.0	3.76	105.31	376.15	10530.87
18.0-19.0	6.39	65.89	639.31	6588.70	62.0-63.0	3.52	108.83	352.27	10883.14
19.0-20.0	6.65	72.54	665.07	7253.77	63.0-64.0	3.28	112.11	328.36	11211.50
20.0-21.0	6.89	79.42	688.65	7942.42	64.0-65.0	3.06	115.18	306.48	11517.98
21.0-22.0	7.12	86.54	711.73	8654.15	65.0-66.0	2.86	118.04	285.75	11803.73
22.0-23.0	7.34	93.88	733.60	9387.75	66.0-67.0	2.65	120.68	264.58	12068.31
23.0-24.0	7.53	101.41	753.02	10140.77	67.0-68.0	2.45	123.13	244.65	12312.96
24.0-25.0	7.71	109.12	771.25	10912.02	68.0-69.0	2.27	125.40	226.56	12539.51
25.0-26.0	7.89	117.01	788.51	11700.53	69.0-70.0	2.08	127.48	208.26	12747.77
26.0-27.0	8.03	125.04	803.27	12503.80	70.0-71.0	1.90	129.38	190.44	12938.21
27.0-28.0	8.16	133.20	816.17	13319.97	71.0-72.0	1.75	131.13	174.82	13113.03
28.0-29.0	8.28	141.48	828.19	14148.16	72.0-73.0	1.59	132.72	159.47	13272.49
29.0-30.0	8.38	149.86	838.18	14986.34	73.0-74.0	1.44	134.16	143.74	13416.23
30.0-31.0	8.46	158.33	846.17	15832.51	74.0-75.0	1.30	135.46	130.16	13546.39
31.0-32.0	8.53	166.85	852.78	16685.29	75.0-76.0	1.18	136.64	117.61	13664.00
32.0-33.0	8.57	175.43	857.21	17542.50	76.0-77.0	1.04	137.68	104.22	13768.22
33.0-34.0	8.59	184.02	859.48	18401.99	77.0-78.0	0.92	138.60	92.13	13860.35
34.0-35.0	8.61	192.63	860.57	19262.56	78.0-79.0	0.81	139.42	81.44	13941.79
35.0-36.0	8.60	201.22	859.91	20122.46	79.0-80.0	0.70	140.12	70.04	14011.82
36.0-37.0	8.57	209.80	857.06	20979.52	80.0-81.0	0.59	140.71	59.41	14071.23
37.0-38.0	8.53	218.32	852.80	21832.33	81.0-82.0	0.50	141.22	50.38	14121.61
38.0-39.0	8.47	226.79	846.60	22678.93	82.0-83.0	0.41	141.62	40.73	14162.34
39.0-40.0	8.38	235.17	838.05	23516.98	83.0-84.0	0.32	141.94	31.63	14193.97
40.0-41.0	8.28	243.45	828.32	24345.30	84.0-85.0	0.25	142.19	24.68	14218.65
41.0-42.0	8.17	251.63	817.40	25162.70	85.0-86.0	0.18	142.36	17.71	14236.36
42.0-43.0	8.04	259.67	804.18	25966.88	86.0-87.0	0.12	142.48	11.59	14247.95
43.0-44.0	7.90	267.56	789.58	26756.46	87.0-88.0	0.09	142.57	8.73	14256.68

IES Indoor Report
Photometric Filename:IZC1691L-2.IES

Zonal Flux Tabulation - (Cont.)

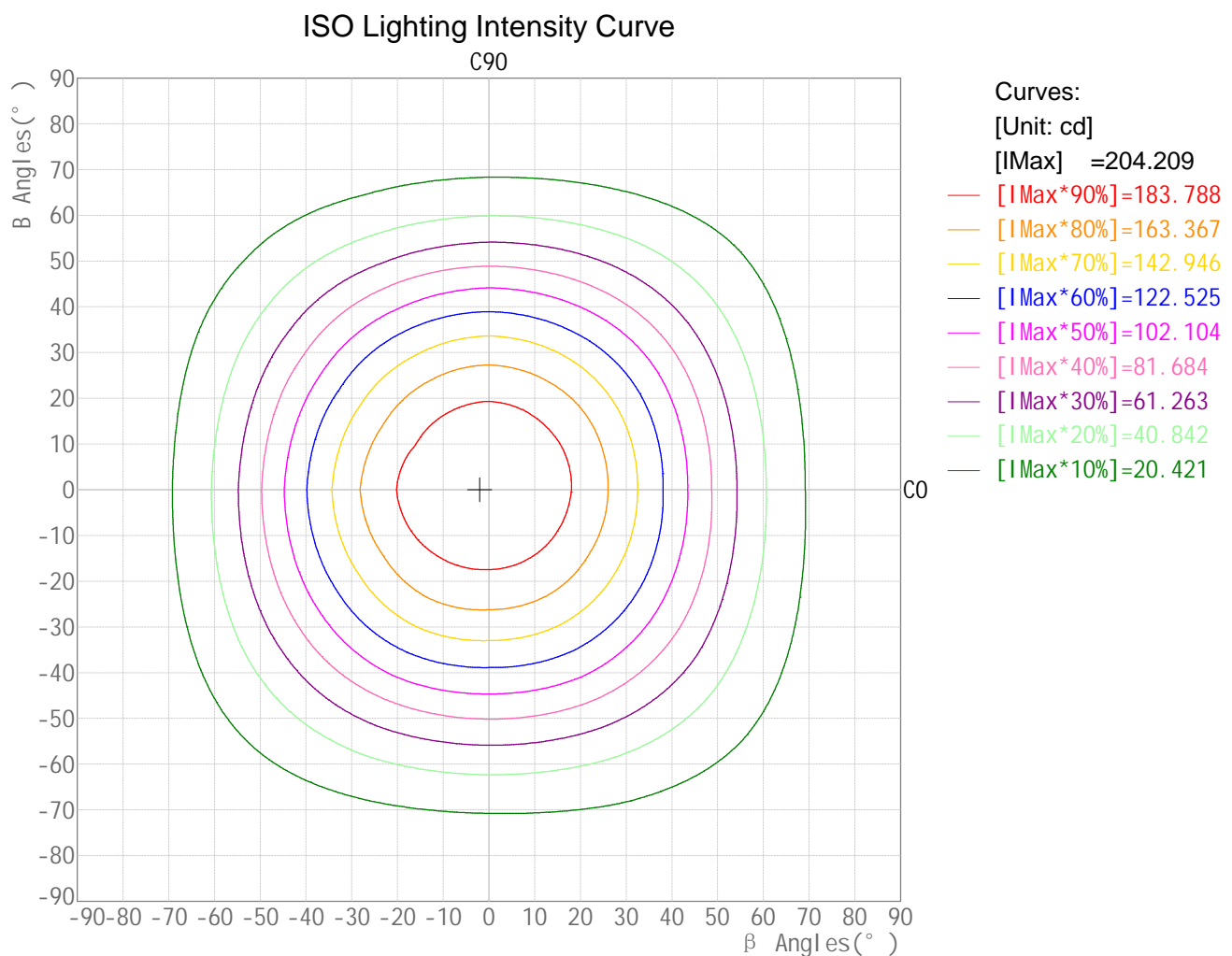
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
88.0-89.0	0.07	0.07	6.70	6.70	132.0-133.0	0.13	0.13	12.66	12.66
89.0-90.0	0.05	0.11	4.74	11.44	133.0-134.0	0.12	0.25	12.43	25.09
90.0-91.0	0.05	0.16	4.95	16.39	134.0-135.0	0.13	0.38	12.93	38.02
91.0-92.0	0.05	0.22	5.33	21.72	135.0-136.0	0.13	0.51	12.94	50.96
92.0-93.0	0.04	0.26	4.30	26.02	136.0-137.0	0.13	0.64	12.75	63.70
93.0-94.0	0.05	0.31	4.61	30.64	137.0-138.0	0.13	0.77	13.11	76.81
94.0-95.0	0.06	0.36	5.74	36.37	138.0-139.0	0.13	0.90	13.20	90.01
95.0-96.0	0.05	0.41	4.87	41.25	139.0-140.0	0.13	1.03	13.06	103.08
96.0-97.0	0.05	0.46	4.56	45.80	140.0-141.0	0.13	1.16	13.31	116.38
97.0-98.0	0.06	0.52	5.86	51.67	141.0-142.0	0.13	1.30	13.31	129.69
98.0-99.0	0.05	0.57	5.47	57.14	142.0-143.0	0.13	1.43	12.98	142.67
99.0-100.0	0.05	0.62	4.65	61.79	143.0-144.0	0.13	1.56	13.05	155.71
100.0-101.0	0.06	0.68	5.98	67.77	144.0-145.0	0.13	1.69	12.92	168.64
101.0-102.0	0.07	0.74	6.52	74.29	145.0-146.0	0.13	1.81	12.57	181.21
102.0-103.0	0.06	0.80	5.51	79.80	146.0-147.0	0.13	1.94	12.71	193.93
103.0-104.0	0.06	0.86	6.23	86.03	147.0-148.0	0.13	2.07	12.69	206.61
104.0-105.0	0.07	0.93	7.31	93.34	148.0-149.0	0.12	2.19	12.27	218.88
105.0-106.0	0.06	1.00	6.42	99.76	149.0-150.0	0.12	2.31	12.21	231.10
106.0-107.0	0.06	1.06	6.34	106.11	150.0-151.0	0.12	2.43	12.17	243.27
107.0-108.0	0.08	1.14	7.73	113.83	151.0-152.0	0.12	2.55	11.68	254.95
108.0-109.0	0.08	1.22	7.68	121.51	152.0-153.0	0.11	2.66	11.49	266.45
109.0-110.0	0.07	1.29	7.15	128.66	153.0-154.0	0.12	2.78	11.52	277.96
110.0-111.0	0.08	1.37	8.17	136.83	154.0-155.0	0.11	2.89	11.05	289.01
111.0-112.0	0.09	1.46	8.76	145.59	155.0-156.0	0.11	3.00	10.69	299.70
112.0-113.0	0.08	1.54	7.98	153.57	156.0-157.0	0.11	3.10	10.56	310.26
113.0-114.0	0.08	1.62	8.31	161.88	157.0-158.0	0.10	3.20	10.02	320.28
114.0-115.0	0.09	1.71	9.46	171.34	158.0-159.0	0.09	3.30	9.48	329.76
115.0-116.0	0.09	1.81	9.31	180.65	159.0-160.0	0.09	3.39	9.26	339.02
116.0-117.0	0.09	1.90	8.97	189.62	160.0-161.0	0.09	3.48	8.85	347.87
117.0-118.0	0.10	2.00	9.89	199.50	161.0-162.0	0.08	3.56	8.35	356.22
118.0-119.0	0.10	2.10	10.38	209.88	162.0-163.0	0.08	3.64	8.06	364.28
119.0-120.0	0.10	2.20	9.73	219.61	163.0-164.0	0.08	3.72	7.60	371.89
120.0-121.0	0.10	2.30	10.00	229.61	164.0-165.0	0.07	3.79	7.09	378.98
121.0-122.0	0.11	2.41	10.99	240.60	165.0-166.0	0.07	3.86	6.80	385.78
122.0-123.0	0.11	2.51	10.74	251.34	166.0-167.0	0.06	3.92	6.40	392.17
123.0-124.0	0.11	2.62	10.61	261.95	167.0-168.0	0.06	3.98	5.89	398.06
124.0-125.0	0.12	2.74	11.60	273.55	168.0-169.0	0.06	4.04	5.55	403.61
125.0-126.0	0.12	2.85	11.86	285.41	169.0-170.0	0.05	4.09	5.13	408.74
126.0-127.0	0.11	2.97	11.40	296.81	170.0-171.0	0.05	4.13	4.68	413.42
127.0-128.0	0.12	3.09	11.97	308.78	171.0-172.0	0.04	4.18	4.22	417.63
128.0-129.0	0.13	3.21	12.54	321.32	172.0-173.0	0.04	4.21	3.69	421.33
129.0-130.0	0.12	3.33	12.04	333.36	173.0-174.0	0.03	4.25	3.20	424.53
130.0-131.0	0.12	3.46	12.21	345.57	174.0-175.0	0.03	4.27	2.73	427.26
131.0-132.0	0.13	3.58	12.91	358.48	175.0-176.0	0.02	4.30	2.30	429.55

Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
176.0-177.0	0.02	0.02	1.80	1.80
177.0-178.0	0.01	0.03	1.32	3.12
178.0-179.0	0.01	0.04	0.80	3.91
179.0-180.0	0.00	0.04	0.26	4.17

Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

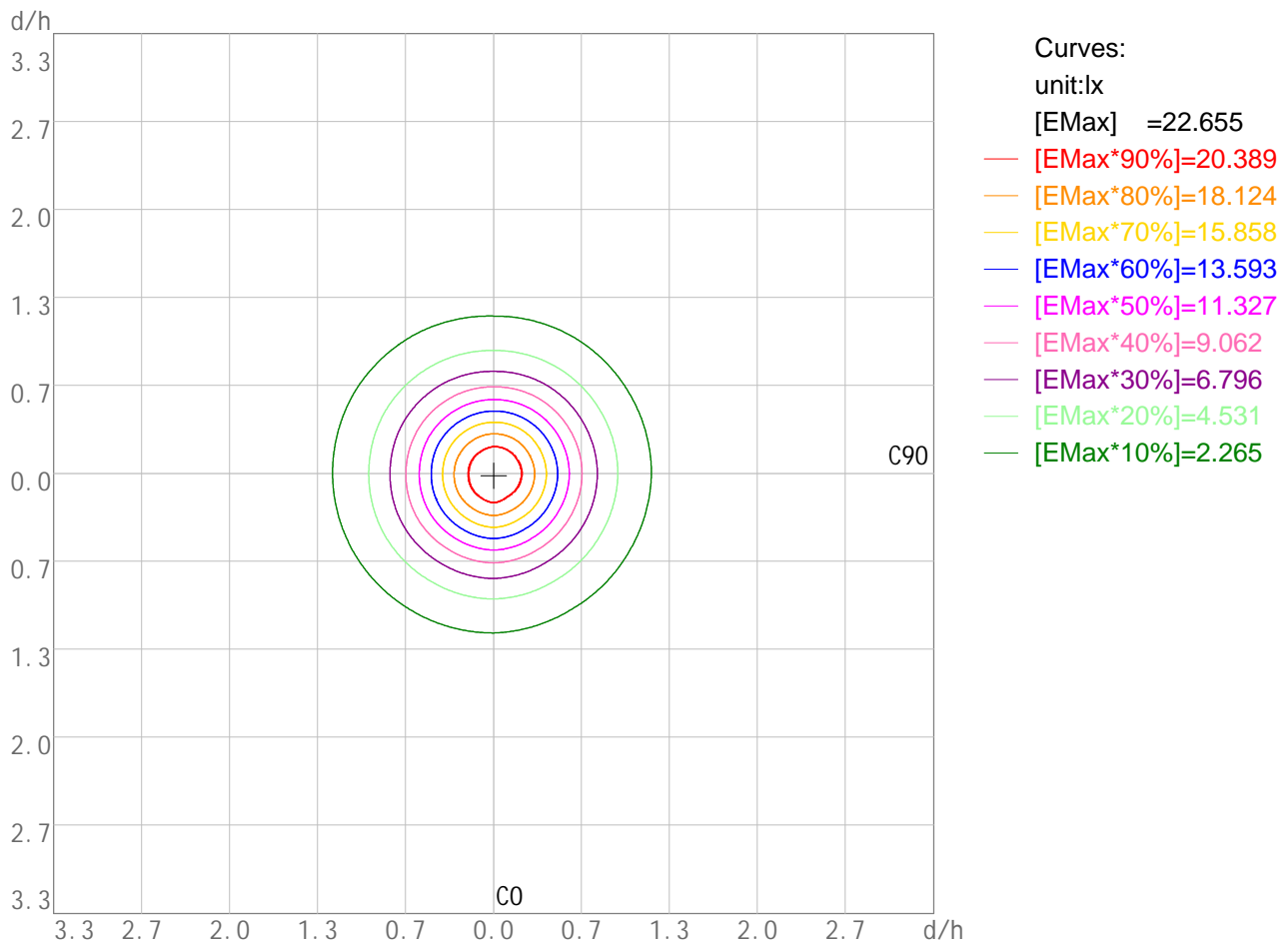


Maximum Light Intensity(cd): 204.21
 Maximum Cand.@Angle: H=-2.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

Plane ISO-Illuminance Curve

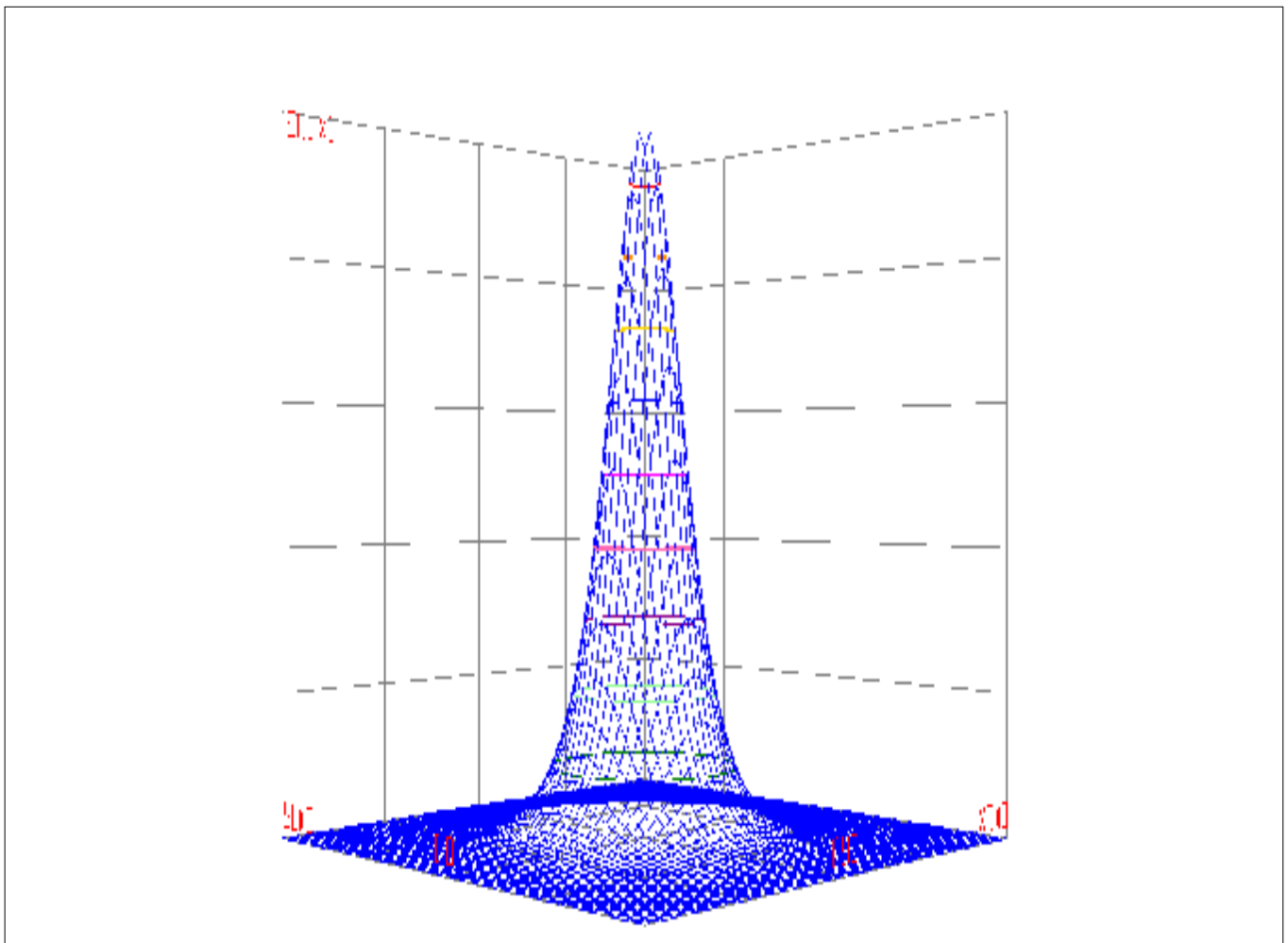


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 22.65
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

3D Plane Illuminance Modal

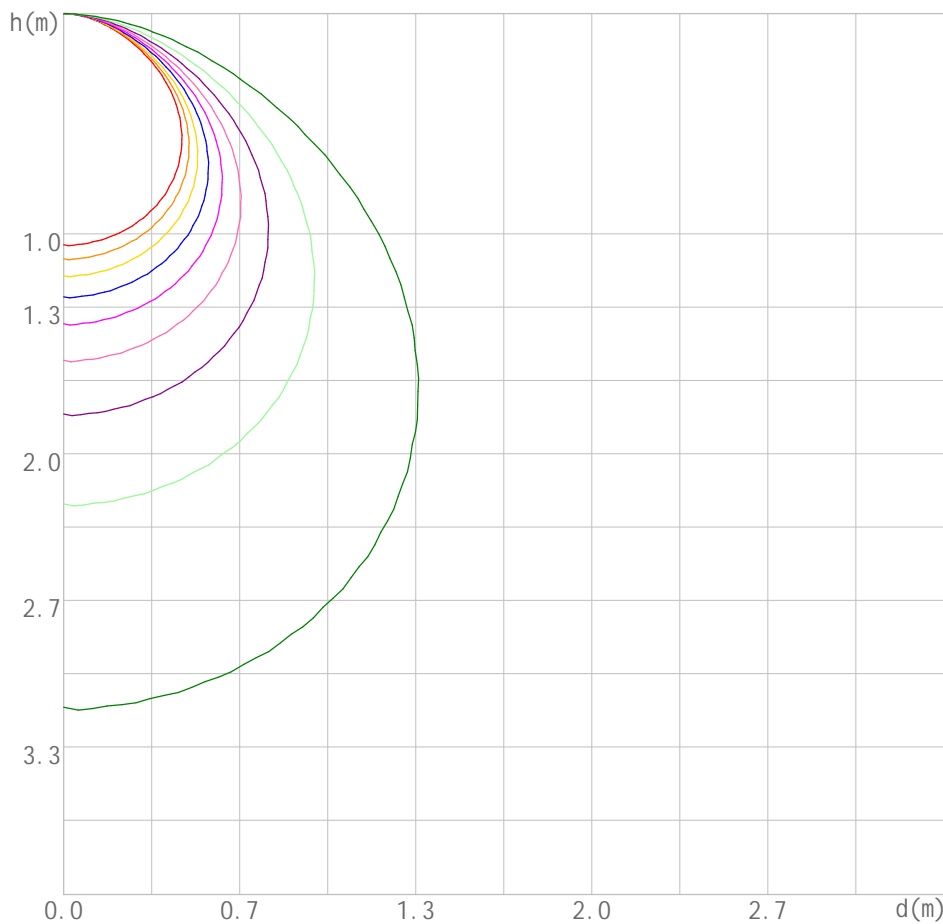


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

Space ISO Illuminance Curve



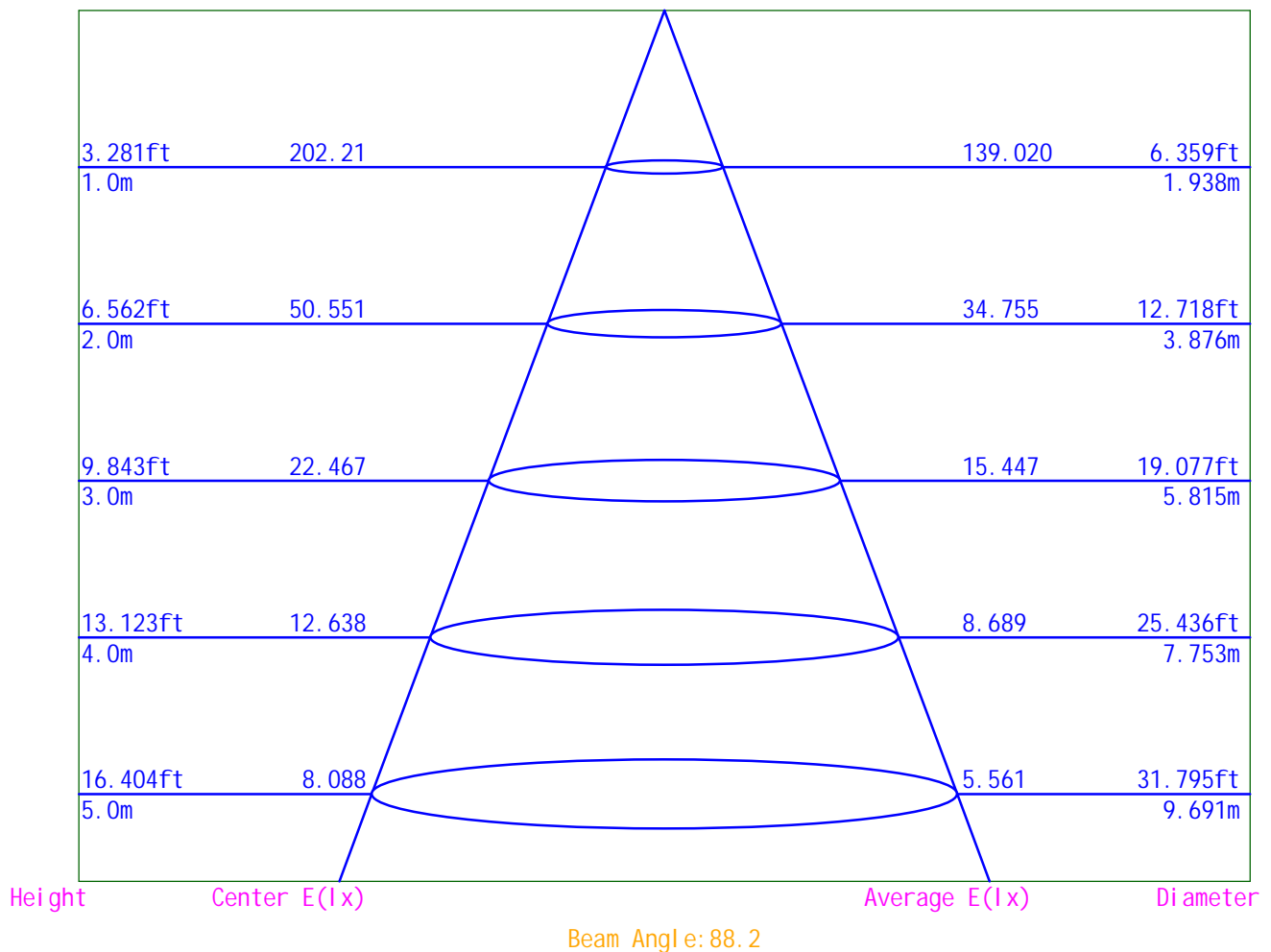
- Curves:
 [Unit: lx]
 [EMax] =203.895
- [EMax*90%]=183.505
 - [EMax*80%]=163.116
 - [EMax*70%]=142.726
 - [EMax*60%]=122.337
 - [EMax*50%]=101.947
 - [EMax*40%]=81.558
 - [EMax*30%]=61.168
 - [EMax*20%]=40.779
 - [EMax*10%]=20.389

Space Plane Maximum Illuminance and @Angle:203.89lx,1.0deg
 Plane Maximum Lighting Intensity and @Angle:203.988cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

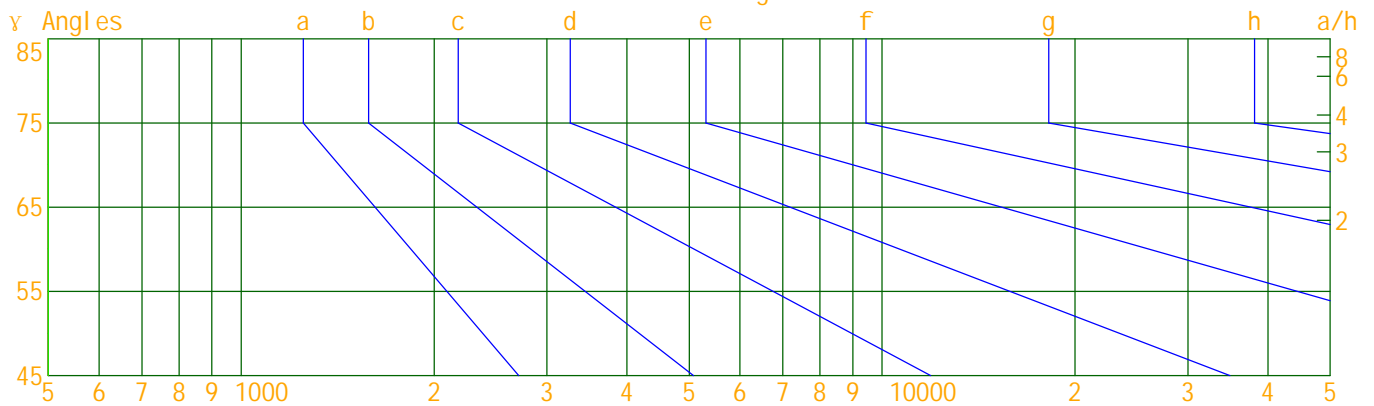
Glare Grade Table

Gl	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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

Gamma(deg)	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

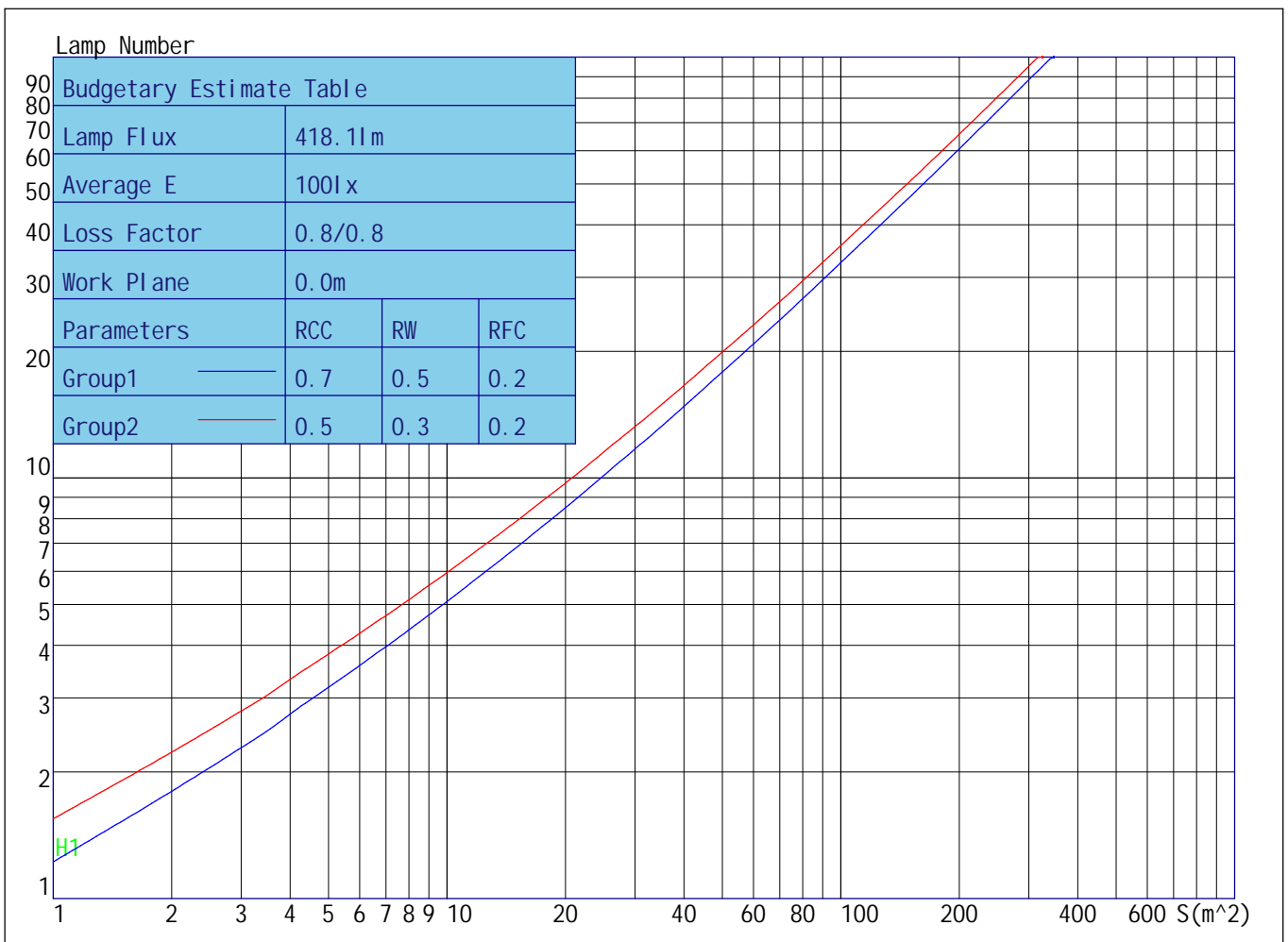
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m²)=0.000000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02



Parameters1: Rhoc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhoc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

IES Indoor Report
Photometric Filename:IZC1691L-2.IES

Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catalog: 1	Test ID:
Lamp Name: LED	Lamp Catalog: 1	Test Lab:
Manufacture: YH	Test Machine: GON-2000	Test Date: 2020/03/02

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	49582	49582	49582	49582	48339	48339	48339	48339	46017	46017	46017	43892	43892	43892	41941	41941	41941	41025
1	46067	44401	42909	41564	44891	43394	42044	40820	41507	40408	39402	39773	38883	38073	38175	37475	36823	35944
2	42502	39554	37114	35063	41393	38723	36483	34594	37153	35293	33683	35716	34173	32823	34383	33124	32003	31130
3	39203	35363	32386	30015	38164	34665	31912	29704	33356	31022	29093	32144	30172	28513	31022	29362	27942	27085
4	36223	31782	28522	26042	35263	31192	28162	25823	30092	27472	25402	29062	26812	24992	28112	26182	24592	23745
5	33562	28732	25352	22862	32682	28232	25072	22702	27292	24522	22402	26422	24002	22102	25612	23502	21812	20984
6	31172	26112	22712	20272	30372	25692	22492	20162	24892	22052	19932	24142	21632	19712	23442	21232	19492	18689
7	29042	23862	20502	18142	28312	23502	20312	18062	22812	19962	17882	22172	19612	17712	21562	19282	17542	16768
8	27142	21912	18622	16372	26482	21602	18472	16302	21012	18182	16162	20452	17892	16032	19922	17622	15892	15147
9	25442	20222	17022	14862	24832	19952	16902	14812	19432	16652	14702	18942	16412	14592	18482	16182	14492	13769
10	23914	18743	15648	13582	23364	18507	15542	13544	18055	15333	13455	17628	15130	13367	17224	14933	13280	12588

IES Indoor Report
Photometric Filename:IZC1691L-2.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	202.21	202.21	202.21	202.21	202.21	202.21	202.21	202.21	202.21	202.21	202.21	202.21
Y 1.0	203.99	202.10	202.49	201.98	201.75	201.02	203.58	202.74	201.72	201.41	201.30	201.00
Y 2.0	203.33	202.50	202.14	202.05	201.69	200.75	204.21	201.96	202.29	201.71	201.46	200.49
Y 3.0	202.30	202.30	201.23	201.13	200.92	201.40	203.47	202.29	201.59	200.92	200.38	200.73
Y 4.0	202.28	201.23	201.41	201.40	200.98	200.68	203.01	202.11	200.66	199.92	199.86	200.22
Y 5.0	201.92	201.21	201.37	201.35	201.00	199.84	203.33	200.90	200.75	200.05	199.95	198.92
Y 6.0	200.58	200.88	200.18	200.47	199.91	200.03	202.88	200.85	200.46	199.44	199.03	198.65
Y 7.0	199.90	199.39	199.38	199.48	199.38	199.58	201.66	200.51	198.99	197.98	197.69	198.29
Y 8.0	199.56	199.03	199.18	199.77	199.37	198.23	201.30	198.96	198.06	197.28	197.45	196.80
Y 9.0	198.07	198.53	198.18	198.80	198.09	197.64	201.05	198.38	197.94	196.93	196.65	195.77
Y 10.0	196.44	196.65	196.60	197.26	196.70	197.37	199.44	197.91	196.63	195.40	194.94	195.44
Y 11.0	195.75	195.75	195.74	196.38	196.35	195.54	198.34	196.13	194.81	193.74	193.91	193.99
Y 12.0	194.50	194.97	195.20	195.84	195.17	194.35	197.85	194.91	194.02	193.00	193.09	191.94
Y 13.0	192.43	192.95	193.24	194.07	193.29	193.79	196.39	194.32	193.30	191.73	191.18	191.16
Y 14.0	190.92	191.39	191.55	192.27	192.27	192.00	194.68	192.21	191.14	189.63	189.50	189.96
Y 15.0	189.93	190.44	190.59	191.54	191.29	190.05	193.68	190.49	189.32	188.10	188.58	187.73
Y 16.0	187.46	188.06	188.78	190.04	188.90	189.11	192.35	189.58	188.28	187.08	186.63	186.01
Y 17.0	185.18	186.00	186.34	187.70	187.23	187.23	189.82	187.34	186.38	184.96	184.23	184.77
Y 18.0	183.88	184.80	184.85	185.99	186.16	184.84	187.91	185.07	183.80	182.30	182.88	182.59
Y 19.0	181.68	182.27	183.46	184.58	183.82	183.39	186.91	183.98	182.32	180.92	181.16	179.97
Y 20.0	178.68	179.66	180.68	182.13	181.03	181.60	184.35	181.48	180.68	179.02	178.40	178.29
Y 21.0	176.67	178.10	178.02	179.47	179.47	178.59	181.81	178.72	177.91	176.14	176.36	176.36
Y 22.0	174.63	175.54	176.25	177.77	177.19	176.58	180.30	177.17	175.26	173.86	174.59	173.36
Y 23.0	171.49	172.45	173.94	175.60	174.07	174.76	177.82	174.60	173.60	172.14	171.55	170.92
Y 24.0	168.70	170.51	170.80	172.32	171.81	171.45	174.69	171.44	171.09	169.32	168.79	169.13
Y 25.0	166.68	167.96	168.26	169.79	169.71	168.72	172.46	169.48	167.88	166.11	167.06	166.11
Y 26.0	163.54	164.46	166.05	167.71	166.35	166.60	170.31	166.84	165.55	163.90	164.15	162.82
Y 27.0	159.91	162.08	162.63	164.34	163.15	163.20	166.74	163.36	163.30	161.62	160.88	160.49
Y 28.0	157.29	159.34	159.20	160.88	160.86	159.92	163.78	160.86	159.89	158.09	158.61	158.01
Y 29.0	154.57	155.52	156.75	158.44	157.56	157.54	161.30	158.29	156.45	155.10	155.89	154.43
Y 30.0	150.87	152.67	153.72	155.54	153.83	154.07	157.84	154.41	154.18	152.83	152.17	151.29
Y 31.0	147.57	149.89	149.80	151.57	151.13	150.46	154.14	151.47	151.36	149.54	149.44	148.98
Y 32.0	144.78	145.90	146.59	148.29	147.76	147.61	151.47	148.73	147.50	145.71	146.95	145.39
Y 33.0	140.97	142.50	143.78	145.43	143.42	144.06	148.30	144.64	144.41	142.89	143.12	141.47
Y 34.0	136.90	139.56	139.81	141.48	140.18	139.73	143.99	141.31	141.73	140.12	139.60	138.64
Y 35.0	134.02	135.50	135.76	137.36	137.06	136.60	140.63	138.54	137.82	136.20	136.95	135.73
Y 36.0	130.71	131.63	132.81	134.23	132.82	133.21	137.49	134.39	133.85	132.63	133.26	131.64
Y 37.0	126.44	128.68	129.30	130.85	128.72	128.70	133.19	130.53	131.03	129.87	129.44	128.02
Y 38.0	122.71	124.59	124.69	126.30	125.47	124.82	129.13	127.58	127.77	126.28	126.64	125.20
Y 39.0	119.56	120.31	120.91	122.23	121.17	121.51	125.98	123.35	123.47	122.01	123.25	121.46
Y 40.0	115.39	117.23	117.73	119.00	116.48	116.88	121.72	119.14	119.77	118.75	119.02	117.16
Y 41.0	110.99	113.26	113.44	114.71	113.09	112.59	117.10	116.00	116.62	115.74	115.67	113.88
Y 42.0	107.78	108.81	108.96	110.01	109.13	109.17	113.65	111.84	112.55	111.47	112.61	110.75
Y 43.0	104.23	105.39	105.52	106.38	104.26	104.77	109.73	107.37	108.35	107.64	108.34	106.44

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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 44.0	99.62	101.74	101.71	102.76	100.26	100.03	104.96	104.03	105.13	104.62	104.65	102.47
Y 45.0	95.71	96.96	96.96	97.96	96.53	96.44	101.10	99.99	101.68	100.77	101.63	99.36
Y 46.0	92.47	93.32	92.87	93.51	91.74	92.40	97.44	95.43	97.14	96.42	97.48	95.56
Y 47.0	88.31	89.86	89.54	90.00	87.52	87.54	92.48	92.14	93.05	93.21	93.30	91.24
Y 48.0	84.00	85.28	85.32	85.79	84.10	83.66	88.12	88.44	89.89	90.23	90.28	87.95
Y 49.0	80.64	81.22	80.69	81.08	79.62	80.04	84.74	83.89	85.91	86.14	86.58	85.09
Y 50.0	77.02	78.00	77.07	77.32	74.85	75.34	80.26	80.40	81.57	82.17	82.54	80.79
Y 51.0	72.64	73.77	73.45	73.73	71.37	71.14	75.74	76.69	78.30	79.07	79.18	76.79
Y 52.0	68.90	69.46	69.03	69.24	67.42	67.81	72.36	72.03	74.84	75.30	75.83	73.75
Y 53.0	66.01	66.45	65.22	64.94	62.89	63.66	68.28	68.54	70.37	71.02	71.45	70.16
Y 54.0	62.12	62.59	62.19	61.78	59.46	59.31	63.74	65.19	66.63	67.82	68.27	65.91
Y 55.0	58.06	58.45	58.28	58.00	56.25	56.21	60.56	60.86	63.67	64.74	65.19	62.75
Y 56.0	54.95	55.56	53.98	53.76	52.00	52.83	57.17	57.37	59.81	60.74	61.08	59.85
Y 57.0	52.07	52.23	50.97	50.63	48.28	48.66	52.88	54.44	55.89	57.00	57.78	55.99
Y 58.0	48.27	48.30	48.06	47.67	45.57	45.46	49.63	50.44	53.06	54.23	55.04	52.33
Y 59.0	44.99	45.55	44.17	43.77	42.15	42.80	46.78	47.04	49.90	50.95	51.17	49.68
Y 60.0	42.78	42.82	41.19	40.44	38.49	39.18	42.92	44.59	46.09	47.16	47.79	46.77
Y 61.0	39.76	39.21	38.94	38.08	36.06	35.94	39.83	41.08	43.19	44.36	45.47	43.13
Y 62.0	36.33	36.60	35.64	35.01	33.51	33.78	37.56	37.86	40.80	42.04	42.15	40.42
Y 63.0	34.10	34.45	32.37	31.79	30.20	31.18	34.28	35.77	37.48	38.62	38.90	38.33
Y 64.0	32.07	31.29	30.39	29.77	27.84	27.99	31.33	32.81	34.38	35.55	36.82	35.29
Y 65.0	29.12	28.81	28.22	27.63	26.10	26.02	29.54	29.82	32.47	33.61	34.03	32.26
Y 66.0	26.82	27.25	25.36	24.72	23.56	24.33	27.00	28.18	29.95	31.13	30.98	30.39
Y 67.0	25.39	24.63	23.39	22.71	21.07	21.66	24.25	25.80	27.07	28.12	29.29	28.39
Y 68.0	23.11	22.32	21.97	21.23	19.70	19.50	22.77	23.08	25.27	26.10	27.13	25.62
Y 69.0	20.61	21.05	19.57	18.89	17.92	18.31	20.94	21.67	23.58	24.58	24.35	23.64
Y 70.0	19.36	19.05	17.49	16.78	15.64	16.48	18.46	19.89	21.02	22.14	22.74	22.43
Y 71.0	18.02	16.80	16.46	15.82	14.40	14.35	17.11	17.44	19.03	19.89	21.16	20.18
Y 72.0	15.82	15.76	14.88	14.17	13.48	13.27	15.86	16.29	17.93	18.59	18.72	18.00
Y 73.0	14.38	14.31	12.79	12.11	11.56	12.18	13.74	14.95	15.99	17.09	17.20	16.87
Y 74.0	13.60	12.27	11.77	11.15	10.09	10.24	12.39	12.83	13.99	14.90	16.09	15.61
Y 75.0	11.90	11.40	10.93	10.31	9.52	8.95	11.61	11.86	13.13	13.51	13.98	13.60
Y 76.0	10.24	10.44	9.14	8.50	8.22	8.45	9.83	10.88	11.91	12.73	12.59	12.24
Y 77.0	9.63	8.67	7.94	7.36	6.64	7.14	8.53	9.02	10.01	11.04	11.82	11.59
Y 78.0	8.57	7.76	7.50	6.93	6.07	5.67	8.01	8.11	9.02	9.26	10.11	10.09
Y 79.0	6.90	7.22	6.23	5.59	5.48	5.30	6.69	7.45	8.31	8.59	8.62	8.40
Y 80.0	6.14	5.72	4.82	4.32	4.04	4.68	5.32	5.79	6.71	7.75	8.05	7.79
Y 81.0	5.65	4.66	4.42	4.05	3.19	3.28	5.03	4.95	5.52	6.11	6.80	7.04
Y 82.0	4.20	4.34	3.68	3.29	3.08	2.53	4.05	4.61	5.17	5.10	5.26	5.47
Y 83.0	3.19	3.07	2.35	2.02	2.18	2.42	2.73	3.18	3.96	4.70	4.85	4.47
Y 84.0	2.99	1.95	1.91	1.79	1.08	1.48	2.53	2.36	2.68	3.57	4.01	4.18
Y 85.0	2.00	1.93	1.84	1.60	1.07	0.63	2.03	2.31	2.48	2.19	2.58	3.08
Y 86.0	0.82	1.27	0.85	0.61	1.04	0.83	0.88	1.20	1.87	1.91	2.17	1.71
Y 87.0	0.92	0.34	0.36	0.40	0.30	0.84	0.82	0.59	0.77	1.66	1.76	1.51

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Photometric Filename:IZC1691L-2.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 88.0	0.85	0.63	0.85	0.90	0.25	0.18	0.90	0.92	0.75	0.65	0.63	1.36
Y 89.0	0.13	0.73	0.57	0.40	0.84	0.32	0.18	0.44	0.93	0.29	0.53	0.44
Y 90.0	0.30	0.11	0.08	0.14	0.54	0.88	0.27	0.07	0.25	0.85	0.87	0.23
Y 91.0	0.81	0.42	0.56	0.75	0.01	0.38	0.81	0.68	0.28	0.56	0.23	0.74
Y 92.0	0.34	0.83	0.76	0.56	0.53	0.03	0.25	0.46	0.86	0.02	0.19	0.59
Y 93.0	0.21	0.24	0.16	0.14	0.79	0.68	0.17	0.06	0.36	0.40	0.77	0.02
Y 94.0	0.81	0.26	0.35	0.70	0.24	0.77	0.73	0.59	0.13	0.80	0.30	0.43
Y 95.0	0.59	0.83	0.92	0.80	0.29	0.24	0.37	0.54	0.72	0.25	0.08	0.85
Y 96.0	0.10	0.38	0.48	0.19	0.88	0.48	0.07	0.00	0.53	0.15	0.69	0.28
Y 97.0	0.67	0.13	0.24	0.57	0.55	1.01	0.70	0.47	0.03	0.80	0.45	0.19
Y 98.0	0.76	0.76	0.86	1.00	0.13	0.49	0.55	0.61	0.58	0.63	0.01	0.76
Y 99.0	0.19	0.66	0.71	0.41	0.61	0.21	0.08	0.04	0.77	0.09	0.60	0.58
Y 100.0	0.55	0.15	0.13	0.46	0.87	0.81	0.64	0.43	0.14	0.47	0.65	0.08
Y 101.0	0.98	0.63	0.63	1.03	0.36	0.85	0.73	0.81	0.48	0.85	0.13	0.47
Y 102.0	0.47	0.85	0.97	0.56	0.42	0.28	0.17	0.19	0.87	0.38	0.59	0.86
Y 103.0	0.44	0.28	0.38	0.28	1.03	0.61	0.62	0.43	0.35	0.24	0.83	0.26
Y 104.0	1.03	0.57	0.56	0.96	0.74	1.08	0.89	0.88	0.29	0.86	0.19	0.22
Y 105.0	0.65	1.05	1.14	0.83	0.29	0.60	0.31	0.30	0.90	0.75	0.53	0.91
Y 106.0	0.39	0.53	0.72	0.38	0.84	0.32	0.52	0.38	0.48	0.17	0.94	0.66
Y 107.0	1.04	0.47	0.43	0.99	1.04	0.96	0.98	0.97	0.21	0.55	0.32	0.19
Y 108.0	0.93	1.06	1.08	1.11	0.49	1.05	0.46	0.48	0.87	1.01	0.44	0.61
Y 109.0	0.43	0.82	0.96	0.59	0.61	0.54	0.44	0.43	0.79	0.58	0.98	0.96
Y 110.0	0.94	0.39	0.48	0.90	1.29	0.82	1.06	1.05	0.27	0.35	0.48	0.40
Y 111.0	1.15	0.98	0.92	1.39	0.95	1.28	0.60	0.72	0.84	0.98	0.37	0.45
Y 112.0	0.56	1.16	1.26	0.81	0.53	0.86	0.37	0.42	0.98	0.91	0.98	1.11
Y 113.0	0.88	0.57	0.70	0.85	1.09	0.59	1.00	1.06	0.41	0.35	0.61	0.85
Y 114.0	1.36	0.97	0.88	1.45	1.31	1.22	0.80	0.83	0.73	0.68	0.32	0.33
Y 115.0	0.84	1.41	1.48	1.01	0.75	1.29	0.47	0.40	1.15	1.25	0.96	0.87
Y 116.0	0.81	0.89	1.07	0.79	0.92	0.75	1.07	1.04	0.59	0.81	0.87	1.10
Y 117.0	1.44	0.76	0.86	1.41	1.55	1.10	0.99	0.99	0.68	0.49	0.41	0.57
Y 118.0	1.15	1.42	1.44	1.35	1.25	1.59	0.49	0.48	1.23	1.12	1.00	0.64
Y 119.0	0.81	1.16	1.37	0.89	0.86	1.08	1.10	0.96	0.82	1.22	1.13	1.30
Y 120.0	1.39	0.77	0.89	1.44	1.34	0.85	1.23	1.10	0.56	0.67	0.56	0.96
Y 121.0	1.39	1.38	1.44	1.64	1.60	1.50	0.65	0.50	1.21	0.82	0.97	0.52
Y 122.0	0.87	1.57	1.61	1.08	1.04	1.55	1.08	0.92	1.06	1.43	1.26	1.10
Y 123.0	1.35	0.97	1.12	1.36	1.16	1.03	1.44	1.26	0.59	1.10	0.65	1.28
Y 124.0	1.65	1.28	1.39	1.88	1.75	1.42	0.79	0.71	1.21	0.70	1.02	0.75
Y 125.0	1.08	1.78	1.88	1.33	1.47	1.85	1.06	0.93	1.33	1.20	1.45	0.93
Y 126.0	1.35	1.31	1.34	1.41	1.10	1.35	1.58	1.40	0.84	1.53	0.87	1.53
Y 127.0	1.89	1.10	1.40	1.99	1.60	1.25	1.02	0.87	1.16	0.97	1.03	1.15
Y 128.0	1.50	1.77	2.01	1.56	1.87	1.89	1.02	0.91	1.61	1.07	1.57	0.82
Y 129.0	1.34	1.76	1.63	1.30	1.33	1.74	1.64	1.56	1.00	1.71	1.07	1.38
Y 130.0	2.00	1.25	1.36	2.00	1.49	1.28	1.20	1.10	1.09	1.47	0.94	1.48
Y 131.0	1.80	1.72	2.03	1.83	2.12	1.81	1.01	0.94	1.65	1.01	1.60	0.97

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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 132.0	1.34	2.10	1.90	1.43	1.83	2.15	1.63	1.64	1.27	1.49	1.26	1.20
Y 133.0	1.96	1.55	1.43	2.02	1.43	1.61	1.44	1.32	1.03	1.85	0.96	1.73
Y 134.0	2.06	1.59	1.98	2.14	1.95	1.62	1.00	0.98	1.64	1.31	1.57	1.34
Y 135.0	1.50	2.19	2.17	1.63	2.16	2.19	1.63	1.65	1.54	1.31	1.45	1.07
Y 136.0	1.89	1.93	1.57	2.07	1.64	1.91	1.63	1.53	1.09	1.96	1.06	1.64
Y 137.0	2.35	1.53	1.97	2.41	1.80	1.50	1.17	1.08	1.70	1.80	1.67	1.63
Y 138.0	1.87	2.13	2.37	1.88	2.42	2.07	1.56	1.62	1.84	1.25	1.73	1.12
Y 139.0	1.90	2.38	1.81	2.04	2.09	2.32	1.87	1.69	1.28	1.72	1.17	1.47
Y 140.0	2.53	1.80	1.97	2.57	1.71	1.78	1.27	1.16	1.65	2.17	1.68	1.98
Y 141.0	2.22	1.99	2.55	2.12	2.26	1.98	1.55	1.61	2.11	1.69	1.91	1.55
Y 142.0	1.89	2.56	2.11	1.98	2.43	2.51	2.07	1.89	1.53	1.61	1.34	1.33
Y 143.0	2.50	2.12	1.99	2.63	1.90	2.04	1.46	1.29	1.58	2.23	1.69	1.97
Y 144.0	2.46	1.80	2.66	2.36	2.12	1.85	1.46	1.58	2.16	2.11	2.12	1.92
Y 145.0	1.92	2.44	2.36	1.99	2.67	2.46	2.04	2.08	1.70	1.55	1.54	1.35
Y 146.0	2.37	2.55	2.00	2.63	2.31	2.42	1.70	1.50	1.55	2.00	1.71	1.74
Y 147.0	2.70	1.98	2.62	2.59	2.02	1.91	1.39	1.59	2.18	2.44	2.29	2.22
Y 148.0	2.09	2.30	2.61	2.11	2.55	2.38	2.02	2.21	2.03	1.97	1.74	1.75
Y 149.0	2.31	2.79	2.07	2.57	2.67	2.74	1.97	1.74	1.60	1.83	1.78	1.59
Y 150.0	2.85	2.34	2.58	2.81	2.08	2.20	1.42	1.59	2.17	2.43	2.34	2.20
Y 151.0	2.38	2.11	2.79	2.25	2.40	2.20	1.92	2.27	2.30	2.40	1.97	2.11
Y 152.0	2.26	2.71	2.20	2.66	2.90	2.80	2.18	1.89	1.75	1.82	1.80	1.51
Y 153.0	2.92	2.69	2.55	3.01	2.49	2.46	1.57	1.64	2.15	2.15	2.46	1.89
Y 154.0	2.65	2.18	2.97	2.49	2.23	2.11	1.81	2.27	2.57	2.67	2.15	2.41
Y 155.0	2.30	2.52	2.43	2.57	2.81	2.73	2.27	2.04	1.98	2.23	1.84	1.93
Y 156.0	2.83	3.02	2.56	3.14	2.82	2.78	1.72	1.66	2.10	1.84	2.51	1.80
Y 157.0	2.88	2.49	3.10	2.66	2.22	2.21	1.60	2.22	2.65	2.37	2.41	2.37
Y 158.0	2.29	2.27	2.63	2.55	2.58	2.63	2.22	2.23	2.16	2.35	1.87	2.31
Y 159.0	2.66	2.90	2.44	3.13	3.03	3.03	1.92	1.64	1.84	1.80	2.43	1.70
Y 160.0	3.07	2.90	3.06	2.77	2.56	2.45	1.50	2.09	2.47	2.00	2.45	2.03
Y 161.0	2.55	2.33	2.81	2.40	2.44	2.49	2.11	2.29	2.33	2.53	1.84	2.55
Y 162.0	2.59	2.73	2.38	3.03	2.99	3.05	2.21	1.67	1.80	2.18	2.25	2.05
Y 163.0	3.17	3.17	2.98	2.84	2.79	2.63	1.66	1.95	2.31	1.81	2.56	1.84
Y 164.0	2.76	2.67	2.87	2.38	2.26	2.31	2.03	2.37	2.51	2.33	1.97	2.43
Y 165.0	2.46	2.44	2.37	2.93	2.70	2.98	2.46	1.81	1.88	2.53	2.23	2.40
Y 166.0	3.08	3.01	2.86	3.02	3.01	2.89	1.88	1.88	2.13	1.99	2.64	1.84
Y 167.0	2.96	2.99	3.02	2.44	2.47	2.35	1.95	2.54	2.62	2.19	2.05	2.13
Y 168.0	2.46	2.47	2.43	2.82	2.50	2.84	2.55	2.02	2.14	2.79	2.18	2.65
Y 169.0	2.99	2.76	2.70	3.14	3.07	3.11	2.12	1.90	1.93	2.47	2.69	2.20
Y 170.0	3.15	3.24	3.13	2.59	2.76	2.49	1.86	2.50	2.60	2.01	2.20	1.95
Y 171.0	3.08	2.78	2.88	3.00	3.12	3.01	2.06	1.98	2.12	2.52	2.73	2.27
Y 172.0	3.25	3.17	3.19	2.60	2.86	2.57	1.88	2.49	2.62	2.10	2.23	1.91
Y 173.0	3.26	3.12	3.17	2.57	2.91	2.56	1.96	2.57	2.61	2.22	2.18	1.95
Y 174.0	2.97	3.07	2.92	2.59	2.59	2.35	2.49	2.61	2.78	2.21	2.04	2.10
Y 175.0	3.07	3.18	3.00	2.50	2.83	2.33	2.49	2.82	2.93	2.30	2.10	2.08

IES Indoor Report
Photometric Filename:IZC1691L-2.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 176.0	2.83	2.48	2.69	3.02	2.78	3.03	2.48	2.16	2.24	3.12	2.75	2.93
Y 177.0	2.60	2.59	2.51	3.19	2.32	2.89	3.05	2.55	2.45	2.47	2.87	2.37
Y 178.0	3.24	3.14	3.04	2.86	2.95	2.44	2.92	2.98	2.97	2.88	2.58	2.53
Y 179.0	2.85	2.38	2.67	2.95	2.60	3.12	2.73	2.79	2.31	2.50	2.80	2.24
Y 180.0	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67