

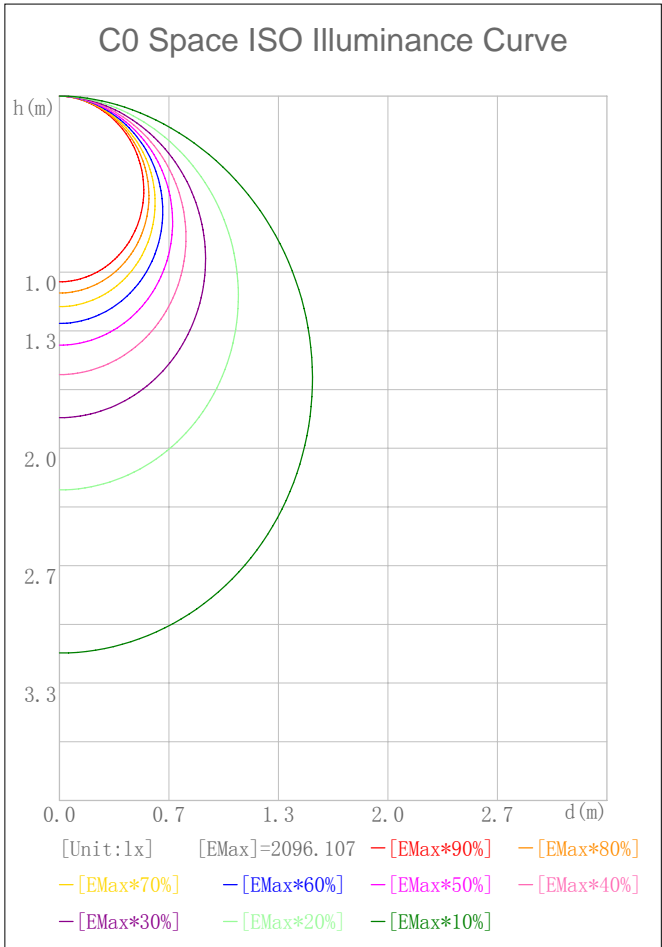
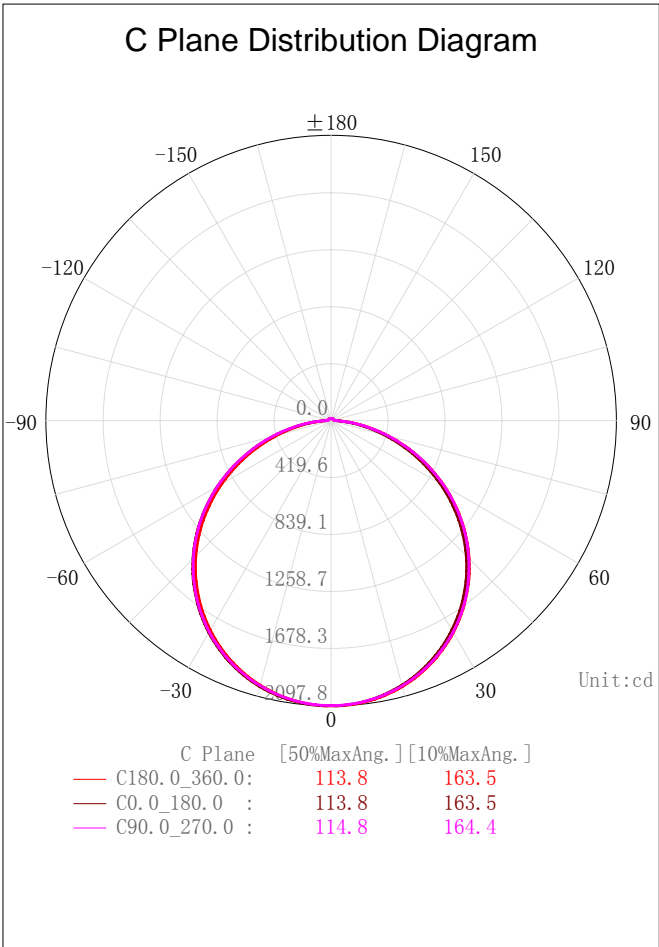
Indoor Luminaire Photometric Data

Description Information

Luminary Name: PL60120-60W-CK-4000K		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2019/05/15
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.552m*1.152m*0.000m		Lum. Area (m2):0.636	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=45.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

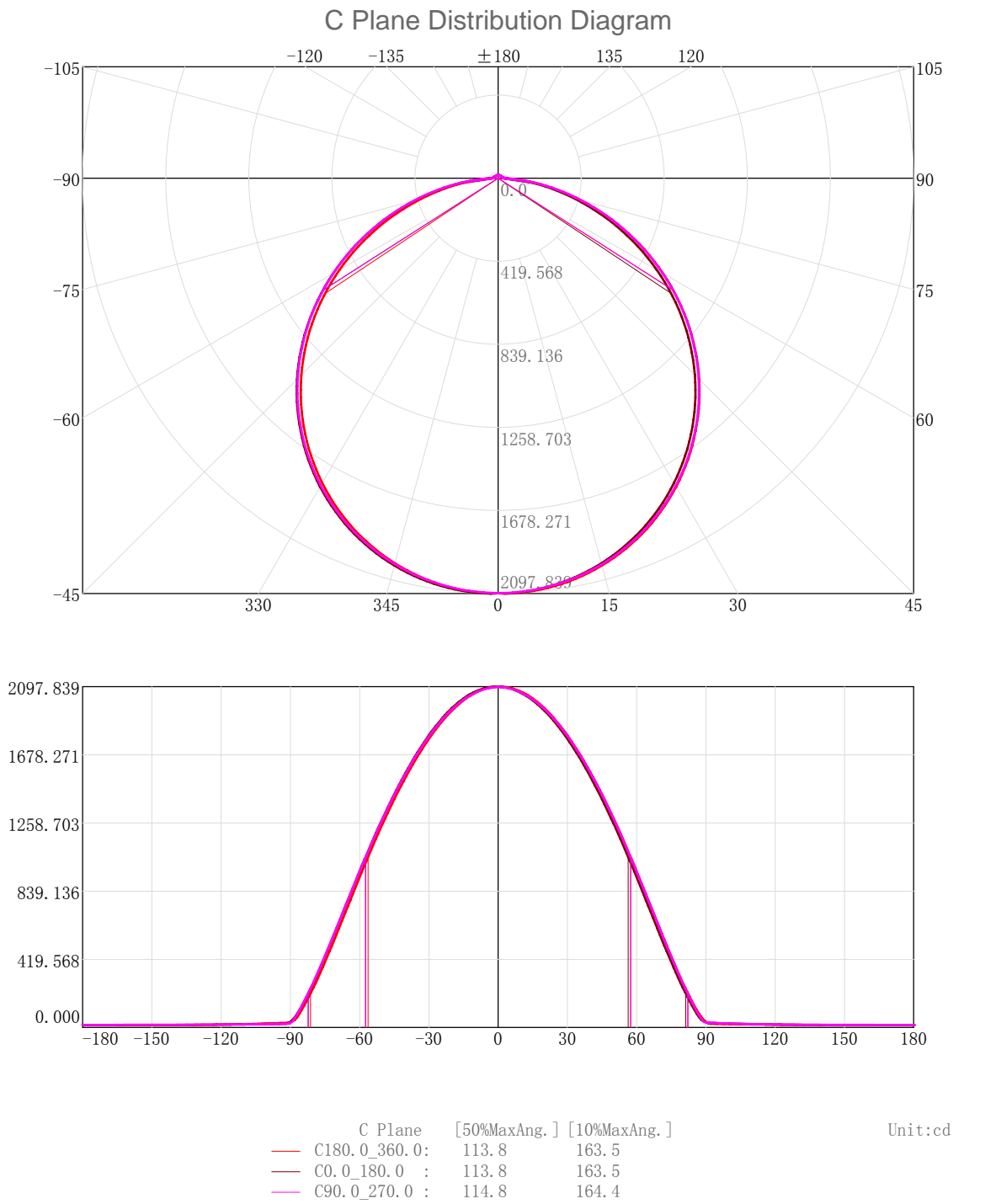
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 6276.759	Luminary Flux(lm): 6276.759	Field Angle(10%Imax): 163.5(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 6154.662lm 98.05%	
Rated Voltage(V):	Luminary EER(lm/W): 105.848	Up Lumens&Percent: 122.098lm 1.95%	
Tested Power(W): 59.300	Max. Candela(cd): 2097.839	S/MH: C0_a180=1.267 C90_270=1.270	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):230.1, 0.264, 0.975	Beam Angle(50%Imax): 113.8(°)	ErP ϕ use(120°): 4791.253lm	
Lamp Size(W*L*H):0.552m*1.152m*0.000m	Left=-56.4°, Right=57.4°	IRF(%): 107.356	



2D Plane Light Intensity Distribution Curve

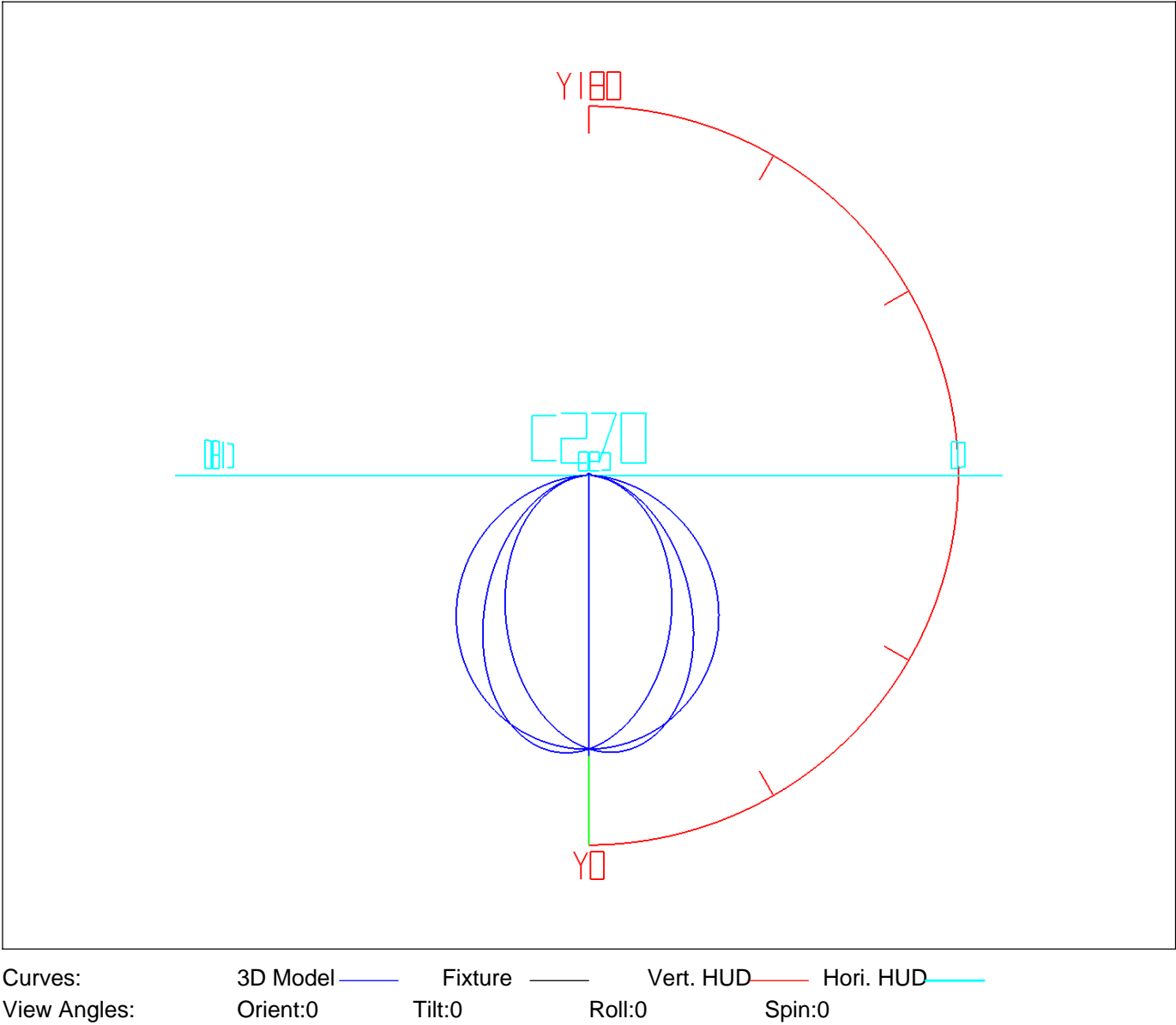
Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15



3D Light Intensity Distribution Modal

Lum. Name: PL60120-60W-CK-4000K	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:PL60120-60W-CK-4000K.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	2.01	2.01	0.03	0.03	47.0-48.0	109.40	3570.12	1.74	56.88
1.0-2.0	6.01	8.02	0.10	0.13	48.0-49.0	108.68	3678.81	1.73	58.61
2.0-3.0	10.01	18.03	0.16	0.29	49.0-50.0	107.82	3786.63	1.72	60.33
3.0-4.0	14.00	32.03	0.22	0.51	50.0-51.0	106.82	3893.45	1.70	62.03
4.0-5.0	17.97	50.00	0.29	0.80	51.0-52.0	105.68	3999.13	1.68	63.71
5.0-6.0	21.91	71.92	0.35	1.15	52.0-53.0	104.39	4103.52	1.66	65.38
6.0-7.0	25.83	97.75	0.41	1.56	53.0-54.0	102.95	4206.47	1.64	67.02
7.0-8.0	29.71	127.46	0.47	2.03	54.0-55.0	101.36	4307.83	1.61	68.63
8.0-9.0	33.56	161.02	0.53	2.57	55.0-56.0	99.64	4407.48	1.59	70.22
9.0-10.0	37.36	198.39	0.60	3.16	56.0-57.0	97.81	4505.28	1.56	71.78
10.0-11.0	41.11	239.50	0.66	3.82	57.0-58.0	95.84	4601.13	1.53	73.30
11.0-12.0	44.81	284.31	0.71	4.53	58.0-59.0	93.75	4694.88	1.49	74.80
12.0-13.0	48.45	332.77	0.77	5.30	59.0-60.0	91.52	4786.39	1.46	76.26
13.0-14.0	52.03	384.80	0.83	6.13	60.0-61.0	89.15	4875.55	1.42	77.68
14.0-15.0	55.54	440.34	0.88	7.02	61.0-62.0	86.68	4962.23	1.38	79.06
15.0-16.0	58.98	499.32	0.94	7.96	62.0-63.0	84.12	5046.35	1.34	80.40
16.0-17.0	62.34	561.66	0.99	8.95	63.0-64.0	81.46	5127.81	1.30	81.70
17.0-18.0	65.62	627.28	1.05	9.99	64.0-65.0	78.69	5206.50	1.25	82.95
18.0-19.0	68.81	696.09	1.10	11.09	65.0-66.0	75.82	5282.32	1.21	84.16
19.0-20.0	71.91	768.01	1.15	12.24	66.0-67.0	72.85	5355.18	1.16	85.32
20.0-21.0	74.92	842.93	1.19	13.43	67.0-68.0	69.82	5424.99	1.11	86.43
21.0-22.0	77.84	920.77	1.24	14.67	68.0-69.0	66.72	5491.71	1.06	87.49
22.0-23.0	80.65	1001.42	1.28	15.95	69.0-70.0	63.57	5555.28	1.01	88.51
23.0-24.0	83.35	1084.77	1.33	17.28	70.0-71.0	60.36	5615.64	0.96	89.47
24.0-25.0	85.94	1170.72	1.37	18.65	71.0-72.0	57.09	5672.73	0.91	90.38
25.0-26.0	88.42	1259.14	1.41	20.06	72.0-73.0	53.77	5726.51	0.86	91.23
26.0-27.0	90.79	1349.93	1.45	21.51	73.0-74.0	50.44	5776.95	0.80	92.04
27.0-28.0	93.04	1442.97	1.48	22.99	74.0-75.0	47.10	5824.05	0.75	92.79
28.0-29.0	95.16	1538.13	1.52	24.51	75.0-76.0	43.77	5867.82	0.70	93.48
29.0-30.0	97.16	1635.29	1.55	26.05	76.0-77.0	40.45	5908.27	0.64	94.13
30.0-31.0	99.03	1734.32	1.58	27.63	77.0-78.0	37.12	5945.39	0.59	94.72
31.0-32.0	100.77	1835.09	1.61	29.24	78.0-79.0	33.81	5979.19	0.54	95.26
32.0-33.0	102.38	1937.47	1.63	30.87	79.0-80.0	30.54	6009.73	0.49	95.75
33.0-34.0	103.85	2041.32	1.65	32.52	80.0-81.0	27.34	6037.08	0.44	96.18
34.0-35.0	105.19	2146.51	1.68	34.20	81.0-82.0	24.21	6061.28	0.39	96.57
35.0-36.0	106.38	2252.89	1.69	35.89	82.0-83.0	21.14	6082.42	0.34	96.90
36.0-37.0	107.43	2360.32	1.71	37.60	83.0-84.0	18.14	6100.56	0.29	97.19
37.0-38.0	108.34	2468.66	1.73	39.33	84.0-85.0	15.22	6115.77	0.24	97.44
38.0-39.0	109.11	2577.77	1.74	41.07	85.0-86.0	12.41	6128.19	0.20	97.63
39.0-40.0	109.74	2687.51	1.75	42.82	86.0-87.0	9.76	6137.95	0.16	97.79
40.0-41.0	110.22	2797.73	1.76	44.57	87.0-88.0	7.34	6145.29	0.12	97.91
41.0-42.0	110.55	2908.28	1.76	46.33	88.0-89.0	5.37	6150.65	0.09	97.99
42.0-43.0	110.72	3018.99	1.76	48.10	89.0-90.0	4.01	6154.66	0.06	98.05
43.0-44.0	110.75	3129.74	1.76	49.86	90.0-91.0	3.26	6157.92	0.05	98.11
44.0-45.0	110.63	3240.38	1.76	51.62	91.0-92.0	2.96	6160.89	0.05	98.15
45.0-46.0	110.38	3350.75	1.76	53.38	92.0-93.0	2.87	6163.75	0.05	98.20
46.0-47.0	109.97	3460.72	1.75	55.14	93.0-94.0	2.81	6166.56	0.04	98.24

IES Indoor Report

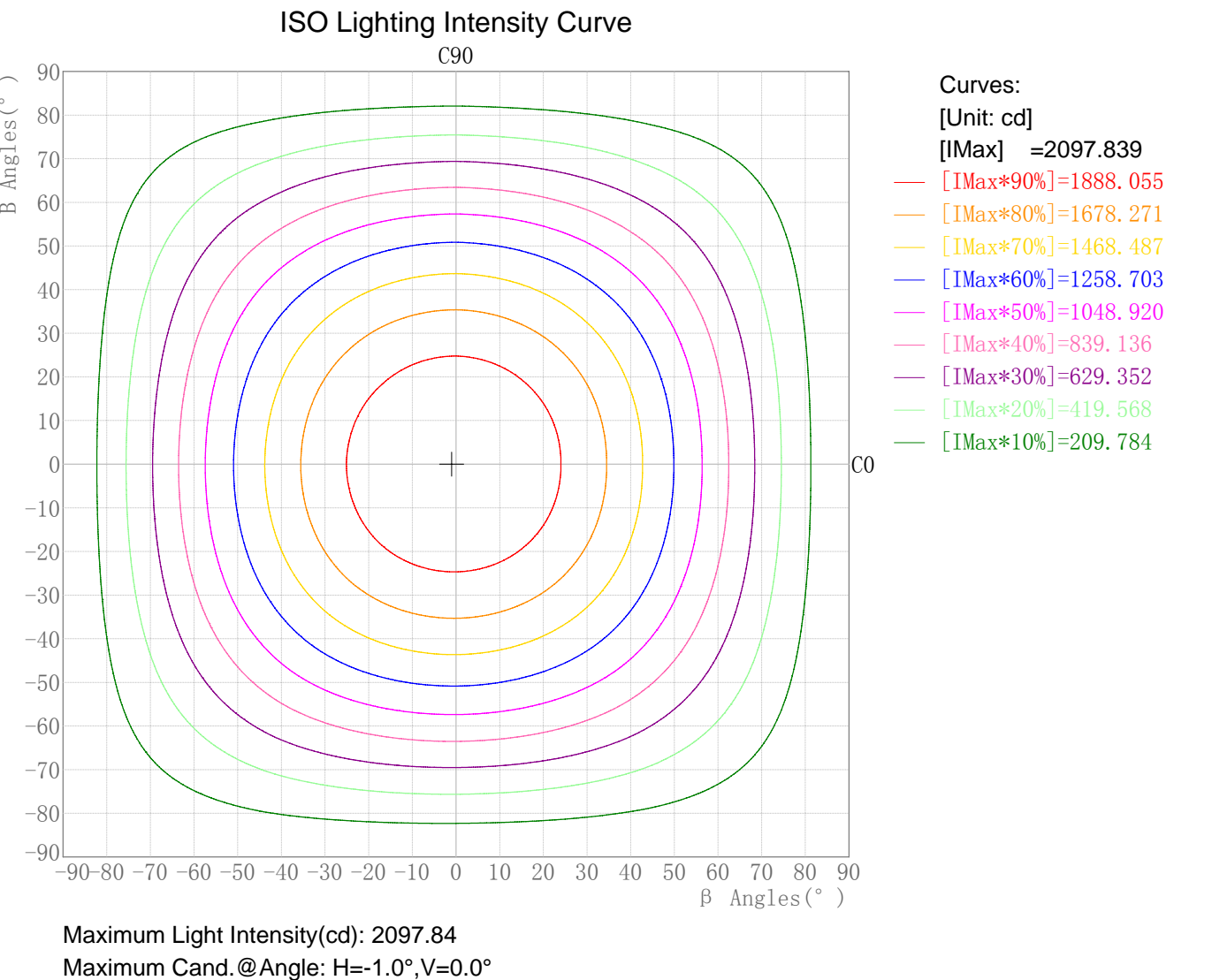
Photometric Filename:PL60120-60W-CK-4000K.IES

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	2.75	6169.31	0.04	98.29	141.0-142.0	1.12	6255.24	0.02	99.66
95.0-96.0	2.70	6172.01	0.04	98.33	142.0-143.0	1.09	6256.33	0.02	99.67
96.0-97.0	2.65	6174.66	0.04	98.37	143.0-144.0	1.07	6257.40	0.02	99.69
97.0-98.0	2.60	6177.25	0.04	98.41	144.0-145.0	1.04	6258.44	0.02	99.71
98.0-99.0	2.55	6179.80	0.04	98.46	145.0-146.0	1.01	6259.45	0.02	99.72
99.0-100.0	2.51	6182.31	0.04	98.50	146.0-147.0	0.98	6260.43	0.02	99.74
100.0-101.0	2.46	6184.77	0.04	98.53	147.0-148.0	0.96	6261.39	0.02	99.76
101.0-102.0	2.42	6187.19	0.04	98.57	148.0-149.0	0.93	6262.32	0.01	99.77
102.0-103.0	2.38	6189.57	0.04	98.61	149.0-150.0	0.90	6263.22	0.01	99.78
103.0-104.0	2.34	6191.91	0.04	98.65	150.0-151.0	0.87	6264.10	0.01	99.80
104.0-105.0	2.30	6194.21	0.04	98.68	151.0-152.0	0.85	6264.94	0.01	99.81
105.0-106.0	2.26	6196.47	0.04	98.72	152.0-153.0	0.82	6265.76	0.01	99.82
106.0-107.0	2.22	6198.69	0.04	98.76	153.0-154.0	0.79	6266.55	0.01	99.84
107.0-108.0	2.18	6200.87	0.03	98.79	154.0-155.0	0.76	6267.31	0.01	99.85
108.0-109.0	2.14	6203.01	0.03	98.83	155.0-156.0	0.73	6268.04	0.01	99.86
109.0-110.0	2.10	6205.12	0.03	98.86	156.0-157.0	0.70	6268.75	0.01	99.87
110.0-111.0	2.07	6207.18	0.03	98.89	157.0-158.0	0.68	6269.42	0.01	99.88
111.0-112.0	2.03	6209.22	0.03	98.92	158.0-159.0	0.65	6270.07	0.01	99.89
112.0-113.0	1.99	6211.21	0.03	98.96	159.0-160.0	0.62	6270.69	0.01	99.90
113.0-114.0	1.96	6213.17	0.03	98.99	160.0-161.0	0.59	6271.28	0.01	99.91
114.0-115.0	1.92	6215.09	0.03	99.02	161.0-162.0	0.56	6271.83	0.01	99.92
115.0-116.0	1.89	6216.98	0.03	99.05	162.0-163.0	0.53	6272.36	0.01	99.93
116.0-117.0	1.85	6218.83	0.03	99.08	163.0-164.0	0.50	6272.86	0.01	99.94
117.0-118.0	1.82	6220.65	0.03	99.11	164.0-165.0	0.47	6273.33	0.01	99.95
118.0-119.0	1.79	6222.44	0.03	99.13	165.0-166.0	0.44	6273.77	0.01	99.95
119.0-120.0	1.75	6224.19	0.03	99.16	166.0-167.0	0.41	6274.18	0.01	99.96
120.0-121.0	1.72	6225.91	0.03	99.19	167.0-168.0	0.38	6274.56	0.01	99.97
121.0-122.0	1.69	6227.59	0.03	99.22	168.0-169.0	0.35	6274.91	0.01	99.97
122.0-123.0	1.66	6229.25	0.03	99.24	169.0-170.0	0.32	6275.23	0.01	99.98
123.0-124.0	1.62	6230.87	0.03	99.27	170.0-171.0	0.29	6275.52	0.00	99.98
124.0-125.0	1.59	6232.47	0.03	99.29	171.0-172.0	0.26	6275.78	0.00	99.98
125.0-126.0	1.56	6234.03	0.02	99.32	172.0-173.0	0.23	6276.01	0.00	99.99
126.0-127.0	1.53	6235.57	0.02	99.34	173.0-174.0	0.20	6276.21	0.00	99.99
127.0-128.0	1.51	6237.07	0.02	99.37	174.0-175.0	0.17	6276.38	0.00	99.99
128.0-129.0	1.48	6238.55	0.02	99.39	175.0-176.0	0.14	6276.52	0.00	100.00
129.0-130.0	1.45	6240.00	0.02	99.41	176.0-177.0	0.11	6276.62	0.00	100.00
130.0-131.0	1.42	6241.42	0.02	99.44	177.0-178.0	0.08	6276.70	0.00	100.00
131.0-132.0	1.39	6242.81	0.02	99.46	178.0-179.0	0.05	6276.74	0.00	100.00
132.0-133.0	1.36	6244.18	0.02	99.48	179.0-180.0	0.02	6276.76	0.00	100.00
133.0-134.0	1.34	6245.52	0.02	99.50					
134.0-135.0	1.31	6246.83	0.02	99.52					
135.0-136.0	1.28	6248.11	0.02	99.54					
136.0-137.0	1.26	6249.36	0.02	99.56					
137.0-138.0	1.23	6250.59	0.02	99.58					
138.0-139.0	1.20	6251.79	0.02	99.60					
139.0-140.0	1.17	6252.97	0.02	99.62					
140.0-141.0	1.15	6254.12	0.02	99.64					

Rectangle ISO Lighting Intensity Diagram

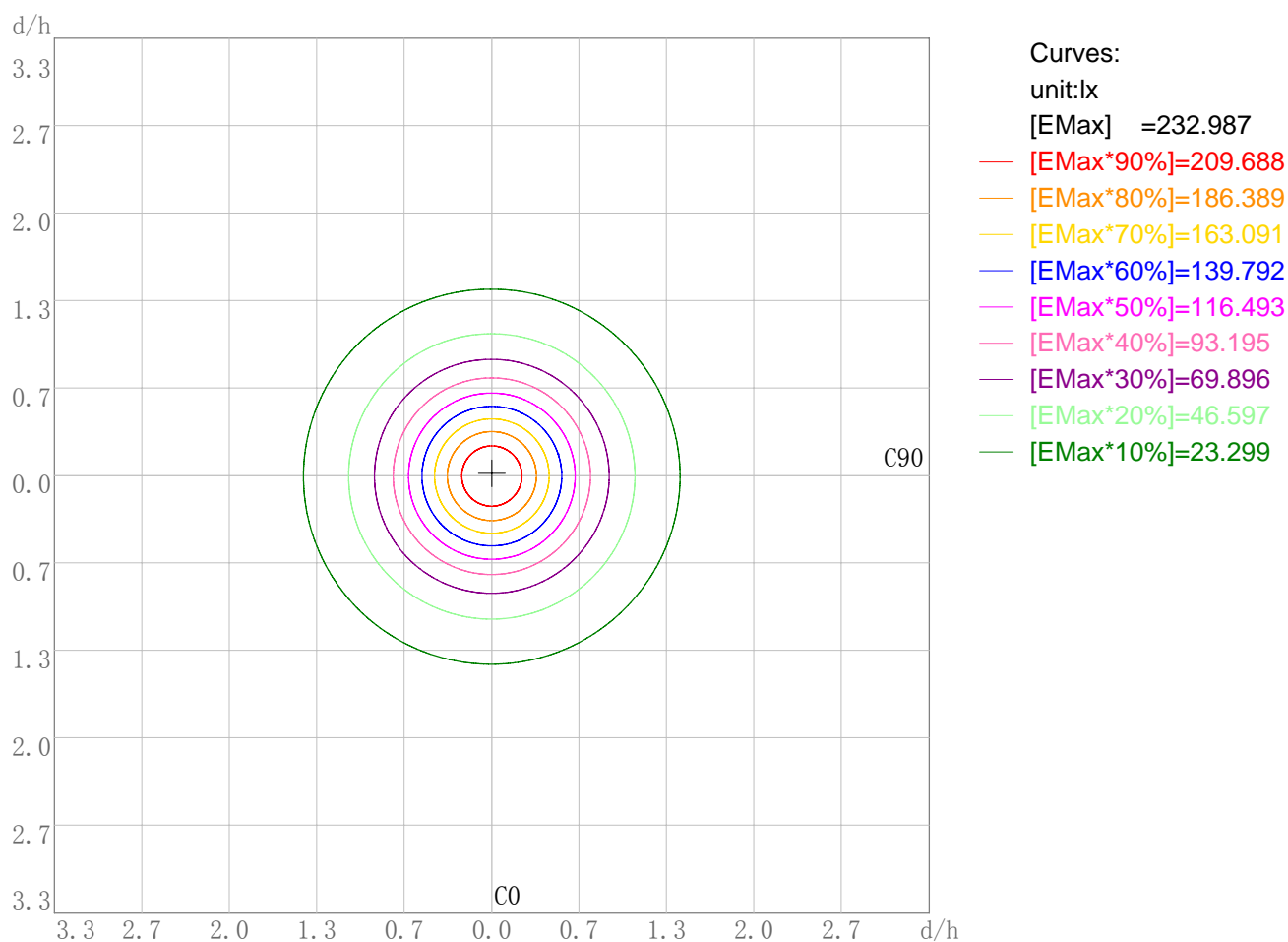
Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15



Plane ISO-Illuminance Diagram

Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

Plane ISO-Illuminance Curve



Working Plane Maximum Illuminance(lx): 232.99

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

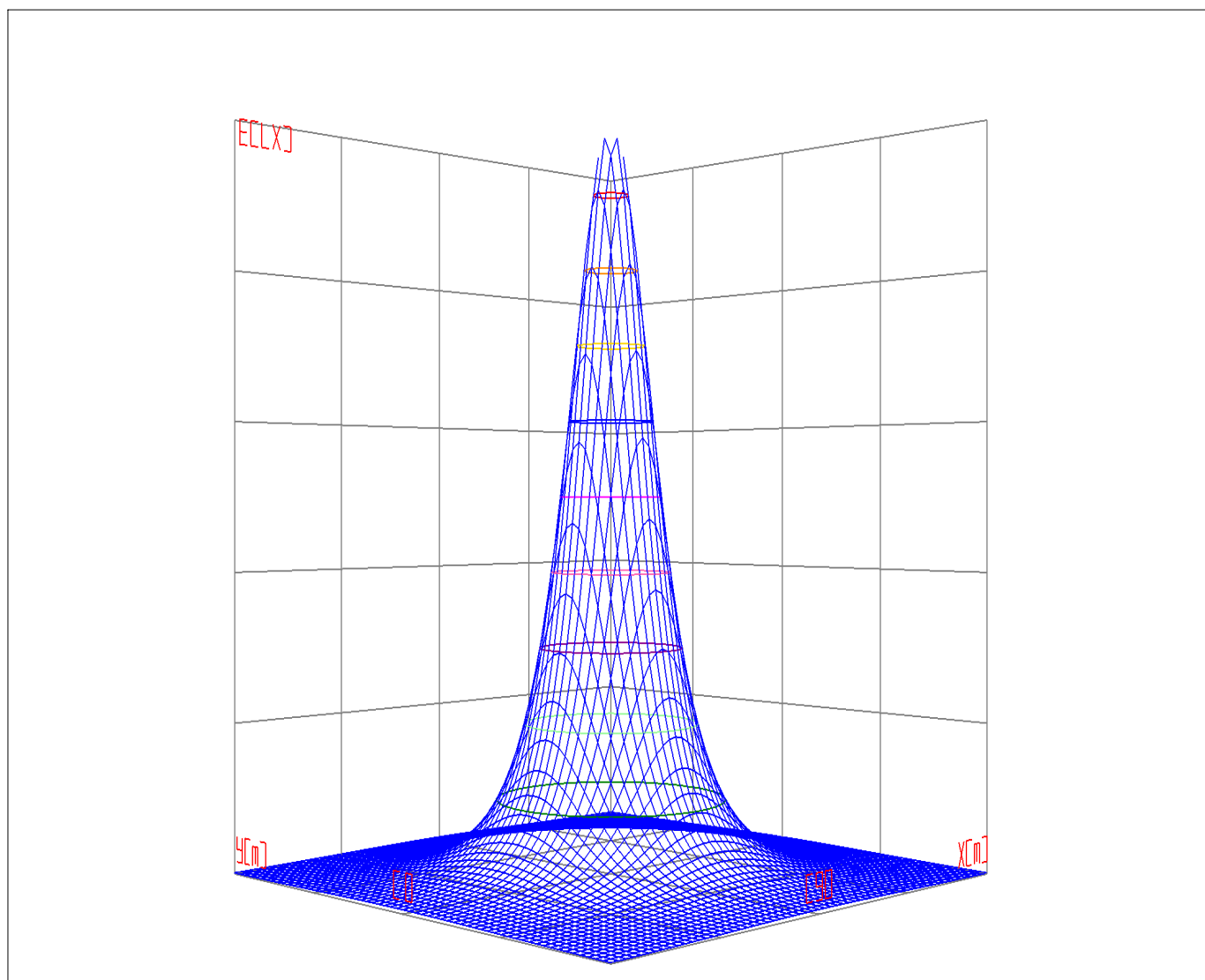
IES Indoor Report

Photometric Filename:PL60120-60W-CK-4000K.IES

3D Plane ISO Illuminance Diagram

Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

3D Plane Illuminance Modal

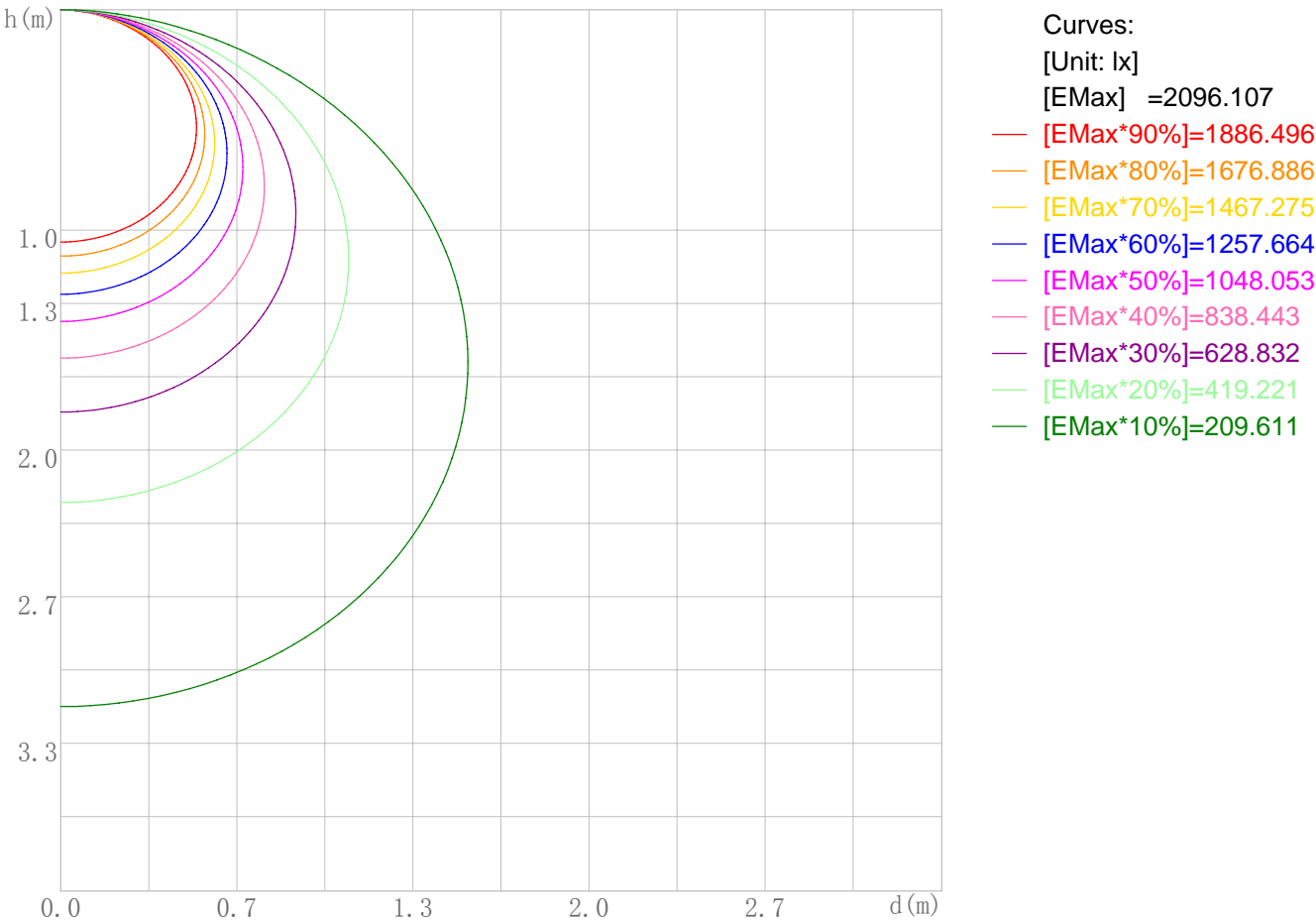


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

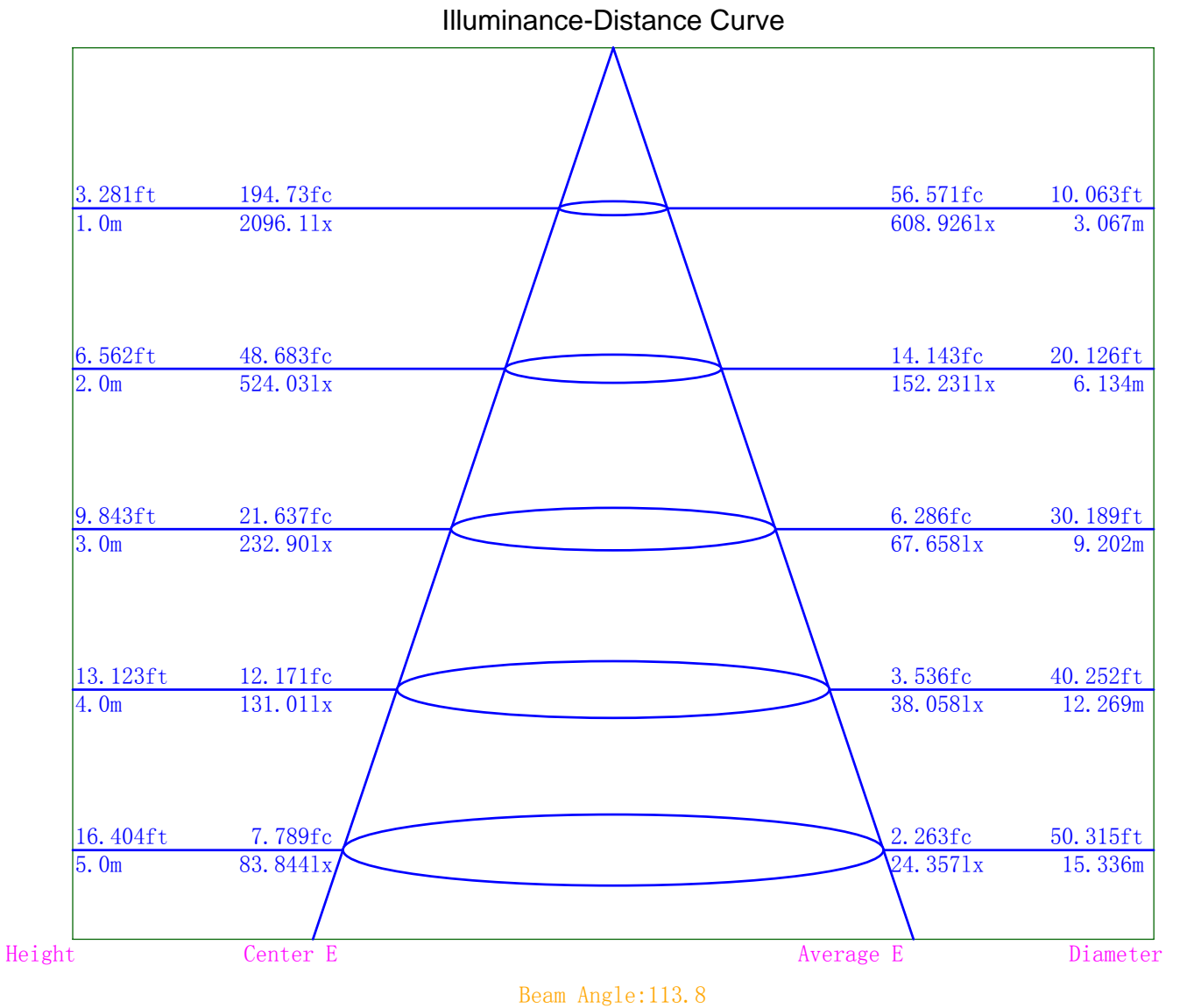
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2096.11lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:2097.054cd,0deg

Illuminance-Distance Diagram

Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15



Indoor Luminance Limiting Curves

Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

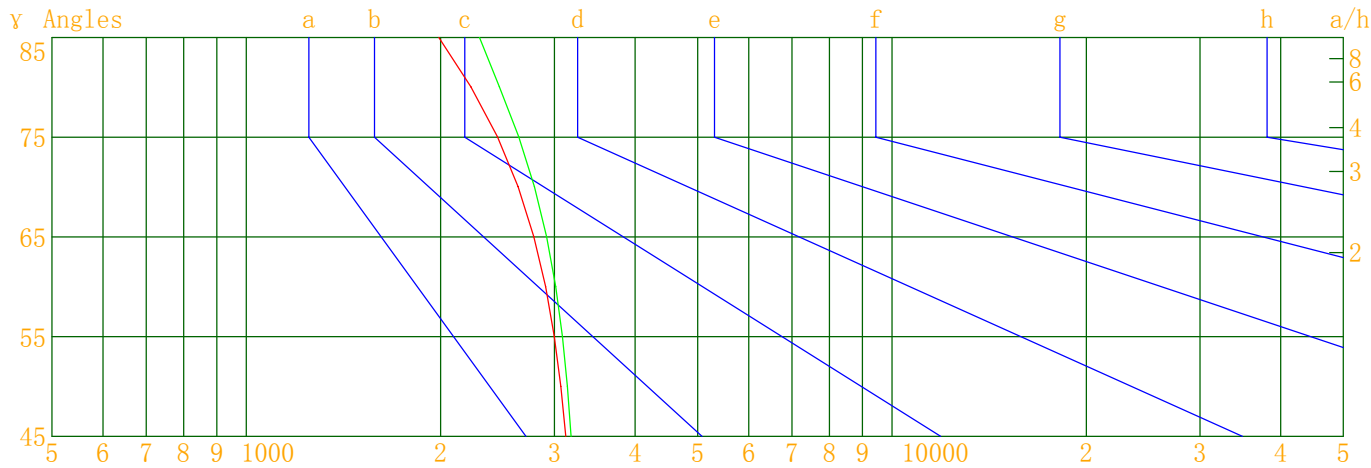
Glare Grade Table

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	3124	3070	2999	2907	2788	2636	2448	2228	1987
C90	3184	3143	3087	3014	2918	2795	2642	2465	2297

Luminance Limiting Curve



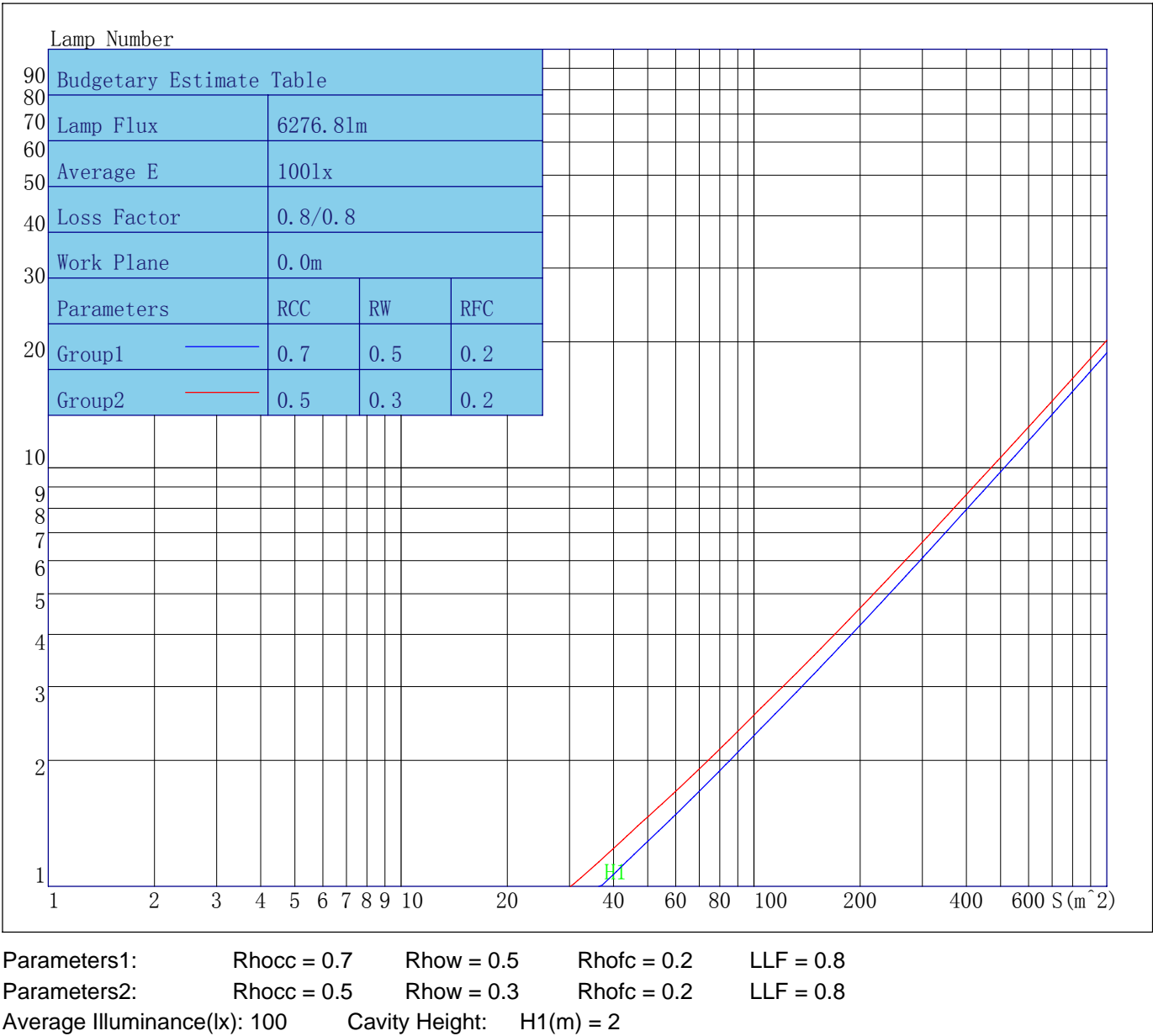
Luminous Size: Length(m)=1.152 Width(m)=0.552 Height(m)=0.000 Area(m^2)=0.635904

Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: PL60120-60W-CK-4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15



Indoor Coefficient of Utilization Table

Lum. Name: PL60120-60W-CK-4000K	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

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	110	110	110	105	105	105	100	100	100	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	81
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	67
3	89	78	70	64	87	77	69	63	73	67	61	70	65	60	68	63	59	57
4	82	69	61	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	50	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Unified Glare Rating Table

Lum. Name: PL60120-60W-CK-4000K	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/05/15

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	16.1	17.7	16.5	18.0	18.4	16.2	17.8	16.6	18.2	18.5
	17.7	19.1	18.1	19.5	19.9	17.9	19.3	18.3	19.7	20.1
	18.3	19.7	18.7	20.1	20.5	18.5	19.9	19.0	20.3	20.7
	18.8	20.1	19.2	20.5	20.9	19.1	20.3	19.5	20.7	21.2
	19.0	20.2	19.4	20.6	21.0	19.3	20.5	19.7	20.9	21.4
	19.1	20.2	19.5	20.7	21.1	19.4	20.6	19.9	21.0	21.5
X=4H Y=2H	16.8	18.2	17.3	18.6	19.0	16.9	18.3	17.4	18.7	19.1
	18.6	19.8	19.1	20.2	20.7	18.8	19.9	19.2	20.4	20.8
	19.4	20.4	19.9	20.9	21.4	19.6	20.6	20.1	21.1	21.6
	20.0	20.9	20.5	21.4	21.9	20.3	21.2	20.7	21.6	22.1
	20.2	21.1	20.7	21.5	22.1	20.5	21.3	21.0	21.8	22.3
	20.4	21.1	20.9	21.7	22.2	20.7	21.4	21.2	22.0	22.5
X=8H Y=4H	19.7	20.6	20.2	21.1	21.6	19.9	20.8	20.4	21.2	21.8
	20.5	21.2	21.0	21.7	22.3	20.7	21.4	21.2	21.9	22.6
	20.8	21.4	21.3	21.9	22.5	21.0	21.7	21.6	22.2	22.7
	21.0	21.6	21.6	22.1	22.7	21.3	21.9	21.8	22.4	23.0
X=12H Y=4H	19.8	20.5	20.3	21.1	21.6	20.0	20.7	20.5	21.2	21.7
	20.6	21.2	21.1	21.7	22.3	20.8	21.4	21.3	21.9	22.5
	20.9	21.5	21.4	22.0	22.6	21.1	21.7	21.7	22.2	22.8
Variations with the objerver position at spacings										
S=1.0H	0.4/-0.5					0.5/-0.5				
S=1.5H	0.8/-0.9					0.8/-0.9				
S=2.0H	1.0/-1.2					0.9/-1.1				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.9					3.0				

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

IES Indoor Report

Photometric Filename:PL60120-60W-CK-4000K.IES

Candela Tabulation

V/H	C0. 0	C45. 0	C90. 0	C135. 0	C180. 0	C225. 0	C270. 0	C315. 0
Y 0. 0	2096. 11	2096. 11	2096. 11	2096. 11	2096. 11	2096. 11	2096. 11	2096. 11
Y 1. 0	2097. 05	2095. 24	2094. 46	2094. 19	2097. 84	2095. 48	2094. 39	2093. 69
Y 2. 0	2095. 70	2093. 80	2093. 50	2093. 21	2097. 08	2094. 79	2093. 28	2092. 53
Y 3. 0	2093. 59	2091. 97	2091. 88	2091. 61	2095. 74	2093. 31	2091. 39	2090. 63
Y 4. 0	2090. 77	2089. 32	2089. 53	2089. 25	2093. 65	2091. 11	2088. 95	2088. 05
Y 5. 0	2087. 08	2086. 00	2086. 42	2086. 42	2090. 96	2088. 20	2085. 80	2084. 77
Y 6. 0	2082. 75	2081. 91	2082. 70	2082. 61	2087. 53	2084. 77	2081. 97	2080. 87
Y 7. 0	2077. 86	2077. 22	2078. 06	2078. 16	2083. 22	2080. 35	2077. 52	2076. 22
Y 8. 0	2072. 14	2071. 87	2073. 16	2073. 18	2078. 27	2075. 39	2072. 39	2070. 86
Y 9. 0	2065. 75	2065. 65	2067. 57	2067. 61	2072. 81	2069. 82	2066. 40	2064. 93
Y 10. 0	2058. 82	2058. 88	2060. 98	2061. 13	2066. 56	2063. 50	2060. 08	2058. 26
Y 11. 0	2050. 94	2051. 34	2053. 82	2053. 92	2059. 70	2056. 49	2052. 94	2050. 79
Y 12. 0	2042. 43	2043. 02	2045. 94	2046. 12	2051. 86	2048. 69	2045. 04	2042. 72
Y 13. 0	2033. 26	2034. 20	2037. 74	2037. 81	2043. 53	2040. 35	2036. 36	2033. 95
Y 14. 0	2023. 65	2024. 61	2028. 64	2028. 53	2034. 35	2031. 26	2027. 11	2024. 55
Y 15. 0	2013. 26	2014. 41	2018. 94	2018. 93	2024. 57	2021. 56	2017. 11	2014. 48
Y 16. 0	2002. 07	2003. 42	2008. 37	2008. 50	2014. 22	2011. 12	2006. 82	2003. 81
Y 17. 0	1990. 20	1991. 96	1997. 28	1997. 08	2003. 27	2000. 05	1995. 65	1992. 35
Y 18. 0	1977. 47	1979. 77	1985. 28	1985. 37	1991. 50	1988. 29	1983. 70	1980. 14
Y 19. 0	1964. 11	1966. 73	1972. 83	1972. 86	1978. 79	1975. 93	1971. 02	1967. 34
Y 20. 0	1950. 38	1953. 31	1959. 79	1959. 64	1965. 61	1962. 71	1957. 71	1953. 86
Y 21. 0	1936. 16	1939. 16	1946. 12	1945. 71	1951. 84	1949. 10	1944. 08	1939. 74
Y 22. 0	1920. 98	1924. 28	1931. 90	1931. 19	1937. 41	1934. 76	1929. 81	1925. 03
Y 23. 0	1905. 11	1908. 75	1916. 83	1916. 17	1922. 56	1919. 77	1914. 85	1909. 54
Y 24. 0	1888. 54	1892. 61	1900. 97	1900. 40	1906. 72	1904. 00	1899. 08	1893. 49
Y 25. 0	1871. 43	1875. 70	1884. 49	1883. 93	1889. 88	1887. 74	1882. 63	1876. 93
Y 26. 0	1853. 72	1858. 23	1867. 72	1866. 83	1872. 69	1870. 92	1865. 25	1859. 59
Y 27. 0	1835. 35	1840. 28	1850. 04	1849. 15	1855. 15	1853. 27	1847. 60	1841. 67
Y 28. 0	1816. 32	1821. 55	1831. 91	1830. 87	1836. 98	1835. 18	1829. 67	1823. 15
Y 29. 0	1796. 63	1802. 21	1813. 02	1811. 92	1818. 19	1816. 46	1810. 92	1804. 16
Y 30. 0	1776. 35	1782. 34	1793. 38	1792. 33	1798. 54	1796. 97	1791. 27	1784. 47
Y 31. 0	1755. 47	1761. 79	1773. 37	1771. 95	1778. 00	1777. 11	1771. 10	1764. 07
Y 32. 0	1734. 03	1740. 73	1752. 66	1751. 23	1757. 02	1756. 55	1750. 29	1743. 20
Y 33. 0	1712. 21	1719. 00	1731. 48	1729. 77	1735. 67	1735. 45	1729. 20	1721. 76
Y 34. 0	1689. 57	1696. 64	1709. 57	1707. 88	1713. 99	1713. 66	1707. 62	1699. 75
Y 35. 0	1666. 55	1673. 67	1687. 03	1685. 34	1691. 54	1691. 41	1685. 41	1677. 16
Y 36. 0	1642. 50	1650. 13	1663. 90	1662. 19	1668. 19	1668. 30	1662. 30	1653. 89
Y 37. 0	1618. 11	1626. 04	1640. 36	1638. 27	1644. 12	1644. 85	1638. 48	1630. 16
Y 38. 0	1593. 41	1601. 42	1616. 33	1613. 86	1619. 64	1620. 88	1614. 17	1605. 93
Y 39. 0	1568. 26	1576. 18	1591. 56	1588. 99	1595. 07	1596. 32	1589. 61	1580. 99
Y 40. 0	1542. 36	1550. 55	1566. 28	1563. 59	1570. 17	1571. 26	1564. 89	1555. 82
Y 41. 0	1515. 52	1524. 19	1540. 30	1537. 73	1544. 62	1545. 69	1539. 45	1529. 76
Y 42. 0	1488. 38	1497. 28	1513. 79	1511. 11	1518. 16	1519. 32	1513. 07	1503. 12
Y 43. 0	1460. 93	1469. 87	1486. 95	1483. 91	1490. 77	1492. 61	1485. 92	1476. 14
Y 44. 0	1433. 10	1442. 15	1459. 53	1456. 43	1463. 01	1465. 52	1458. 41	1448. 70
Y 45. 0	1404. 73	1413. 75	1431. 78	1428. 45	1435. 29	1437. 85	1430. 81	1420. 73
Y 46. 0	1375. 70	1384. 84	1403. 33	1399. 57	1407. 13	1409. 69	1402. 84	1392. 40

IES Indoor Report

Photometric Filename:PL60120-60W-CK-4000K.IES

Candela Tabulation - (Cont.)

V/H	C0. 0	C45. 0	C90. 0	C135. 0	C180. 0	C225. 0	C270. 0	C315. 0
Y 47. 0	1346. 09	1355. 58	1374. 28	1370. 64	1378. 37	1381. 02	1374. 40	1363. 55
Y 48. 0	1315. 95	1325. 56	1344. 66	1341. 09	1348. 68	1351. 72	1344. 81	1334. 06
Y 49. 0	1285. 57	1295. 20	1314. 93	1310. 92	1318. 44	1322. 15	1314. 78	1304. 05
Y 50. 0	1254. 94	1264. 35	1284. 74	1280. 42	1287. 75	1292. 13	1284. 40	1273. 75
Y 51. 0	1223. 74	1233. 15	1254. 06	1249. 46	1257. 18	1261. 65	1253. 90	1242. 88
Y 52. 0	1191. 90	1201. 50	1222. 77	1218. 01	1226. 22	1230. 81	1223. 14	1211. 90
Y 53. 0	1159. 67	1169. 50	1190. 87	1186. 18	1194. 67	1199. 41	1191. 83	1180. 28
Y 54. 0	1126. 76	1137. 02	1158. 40	1153. 96	1162. 26	1167. 38	1159. 65	1148. 14
Y 55. 0	1093. 84	1103. 99	1126. 03	1121. 21	1129. 30	1135. 22	1126. 96	1115. 67
Y 56. 0	1060. 76	1070. 75	1093. 40	1088. 19	1096. 22	1102. 64	1093. 98	1082. 90
Y 57. 0	1027. 41	1037. 21	1060. 39	1054. 94	1063. 26	1069. 90	1061. 29	1049. 91
Y 58. 0	993. 37	1003. 34	1026. 80	1021. 10	1029. 98	1036. 83	1028. 32	1016. 63
Y 59. 0	959. 09	969. 27	992. 90	987. 17	996. 34	1003. 41	994. 79	982. 92
Y 60. 0	924. 37	934. 75	958. 34	952. 77	961. 90	969. 53	960. 61	948. 91
Y 61. 0	889. 65	899. 88	923. 73	918. 03	927. 05	935. 38	926. 03	914. 65
Y 62. 0	854. 88	864. 81	889. 34	883. 25	892. 24	901. 04	891. 39	880. 30
Y 63. 0	819. 95	829. 71	854. 66	848. 36	857. 68	866. 60	856. 97	845. 60
Y 64. 0	784. 78	794. 43	819. 47	813. 13	823. 09	832. 03	822. 61	811. 00
Y 65. 0	749. 31	759. 11	784. 20	777. 92	788. 10	797. 31	788. 19	776. 11
Y 66. 0	713. 77	723. 71	748. 63	742. 49	752. 56	762. 28	752. 54	741. 09
Y 67. 0	678. 45	688. 14	713. 40	706. 82	716. 85	727. 25	717. 11	706. 08
Y 68. 0	643. 43	652. 56	678. 16	671. 19	681. 25	692. 23	681. 81	671. 01
Y 69. 0	608. 49	617. 21	643. 11	635. 80	646. 25	657. 16	647. 08	636. 10
Y 70. 0	573. 37	581. 81	607. 80	600. 33	611. 62	622. 29	612. 73	601. 12
Y 71. 0	538. 47	546. 84	572. 64	565. 17	576. 79	587. 28	578. 10	566. 41
Y 72. 0	503. 61	511. 92	537. 46	530. 07	541. 56	552. 43	543. 13	531. 65
Y 73. 0	469. 58	477. 28	502. 79	495. 13	506. 45	517. 80	508. 28	497. 22
Y 74. 0	436. 05	443. 05	468. 67	460. 54	471. 90	483. 53	473. 97	463. 28
Y 75. 0	402. 93	409. 27	434. 76	426. 39	438. 24	449. 49	440. 51	429. 61
Y 76. 0	370. 22	375. 99	401. 20	392. 79	405. 23	416. 03	407. 66	396. 54
Y 77. 0	337. 91	343. 30	367. 99	359. 76	372. 41	382. 94	374. 94	363. 91
Y 78. 0	306. 29	311. 28	335. 23	327. 24	339. 61	350. 33	342. 17	331. 69
Y 79. 0	275. 66	279. 77	303. 33	295. 30	307. 32	318. 36	309. 76	300. 20
Y 80. 0	246. 00	249. 20	272. 24	264. 10	275. 98	287. 12	278. 28	269. 51
Y 81. 0	217. 15	219. 52	241. 83	233. 85	245. 97	256. 55	247. 92	239. 52
Y 82. 0	188. 96	190. 62	211. 90	204. 40	217. 11	226. 80	218. 58	210. 46
Y 83. 0	161. 66	162. 77	182. 72	176. 01	188. 94	197. 88	189. 82	182. 15
Y 84. 0	135. 21	135. 86	154. 34	148. 60	161. 33	169. 75	161. 44	154. 63
Y 85. 0	110. 12	110. 04	127. 29	122. 31	134. 71	142. 69	133. 88	128. 11
Y 86. 0	86. 45	85. 62	101. 38	97. 38	109. 64	116. 81	107. 65	102. 76
Y 87. 0	64. 63	63. 13	76. 64	74. 16	86. 52	92. 14	83. 06	78. 63
Y 88. 0	48. 42	45. 65	53. 80	53. 95	65. 16	69. 41	60. 12	56. 84
Y 89. 0	38. 28	35. 21	37. 60	39. 52	47. 87	51. 40	39. 60	40. 46
Y 90. 0	32. 71	28. 99	31. 55	29. 45	34. 67	38. 17	27. 44	31. 84
Y 91. 0	30. 02	26. 81	30. 25	27. 08	26. 35	29. 25	23. 85	27. 49
Y 92. 0	29. 18	26. 24	29. 44	26. 52	23. 57	26. 86	23. 28	26. 45
Y 93. 0	28. 46	25. 76	28. 72	26. 03	23. 18	26. 22	22. 95	25. 86

Candela Tabulation - (Cont.)

V/H	C0. 0	C45. 0	C90. 0	C135. 0	C180. 0	C225. 0	C270. 0	C315. 0
Y 94. 0	27. 78	25. 27	28. 03	25. 52	22. 87	25. 64	22. 64	25. 36
Y 95. 0	27. 19	24. 79	27. 40	25. 05	22. 58	25. 14	22. 31	24. 88
Y 96. 0	26. 63	24. 36	26. 83	24. 63	22. 25	24. 73	22. 04	24. 45
Y 97. 0	26. 09	23. 96	26. 31	24. 21	21. 99	24. 30	21. 80	24. 08
Y 98. 0	25. 58	23. 55	25. 78	23. 77	21. 75	23. 91	21. 54	23. 72
Y 99. 0	25. 13	23. 14	25. 30	23. 39	21. 50	23. 59	21. 30	23. 36
Y 100. 0	24. 68	22. 80	24. 87	23. 04	21. 26	23. 25	21. 11	23. 07
Y 101. 0	24. 20	22. 45	24. 44	22. 66	21. 08	22. 93	20. 91	22. 79
Y 102. 0	23. 80	22. 07	23. 99	22. 29	20. 87	22. 69	20. 69	22. 50
Y 103. 0	23. 42	21. 74	23. 60	21. 96	20. 64	22. 41	20. 52	22. 23
Y 104. 0	23. 02	21. 44	23. 24	21. 66	20. 45	22. 14	20. 33	22. 02
Y 105. 0	22. 63	21. 11	22. 85	21. 33	20. 30	21. 91	20. 16	21. 77
Y 106. 0	22. 30	20. 79	22. 48	20. 99	20. 12	21. 70	19. 98	21. 53
Y 107. 0	21. 95	20. 50	22. 15	20. 71	19. 92	21. 44	19. 85	21. 34
Y 108. 0	21. 58	20. 22	21. 82	20. 41	19. 77	21. 24	19. 67	21. 13
Y 109. 0	21. 26	19. 91	21. 47	20. 10	19. 61	21. 05	19. 53	20. 91
Y 110. 0	20. 97	19. 63	21. 15	19. 84	19. 44	20. 82	19. 39	20. 74
Y 111. 0	20. 64	19. 41	20. 87	19. 58	19. 27	20. 64	19. 24	20. 56
Y 112. 0	20. 33	19. 12	20. 57	19. 29	19. 16	20. 47	19. 09	20. 36
Y 113. 0	20. 06	18. 85	20. 26	19. 03	19. 00	20. 27	18. 97	20. 18
Y 114. 0	19. 78	18. 62	19. 99	18. 80	18. 83	20. 10	18. 83	20. 03
Y 115. 0	19. 49	18. 39	19. 73	18. 56	18. 71	19. 94	18. 68	19. 85
Y 116. 0	19. 24	18. 14	19. 44	18. 30	18. 59	19. 77	18. 57	19. 69
Y 117. 0	19. 01	17. 94	19. 19	18. 09	18. 43	19. 60	18. 46	19. 56
Y 118. 0	18. 76	17. 77	18. 98	17. 90	18. 31	19. 47	18. 32	19. 40
Y 119. 0	18. 53	17. 56	18. 75	17. 69	18. 20	19. 31	18. 21	19. 24
Y 120. 0	18. 33	17. 36	18. 52	17. 48	18. 08	19. 15	18. 13	19. 11
Y 121. 0	18. 15	17. 22	18. 33	17. 31	17. 94	19. 02	18. 00	19. 01
Y 122. 0	17. 94	17. 06	18. 15	17. 15	17. 83	18. 89	17. 89	18. 85
Y 123. 0	17. 76	16. 88	17. 96	16. 96	17. 75	18. 76	17. 83	18. 72
Y 124. 0	17. 62	16. 75	17. 78	16. 83	17. 63	18. 65	17. 74	18. 64
Y 125. 0	17. 47	16. 64	17. 65	16. 72	17. 52	18. 53	17. 63	18. 52
Y 126. 0	17. 30	16. 50	17. 52	16. 56	17. 45	18. 40	17. 56	18. 39
Y 127. 0	17. 21	16. 39	17. 34	16. 44	17. 38	18. 31	17. 48	18. 32
Y 128. 0	17. 08	16. 31	17. 23	16. 34	17. 28	18. 22	17. 40	18. 23
Y 129. 0	16. 94	16. 22	17. 13	16. 25	17. 21	18. 09	17. 34	18. 12
Y 130. 0	16. 83	16. 10	17. 01	16. 13	17. 17	18. 02	17. 29	18. 05
Y 131. 0	16. 76	16. 04	16. 90	16. 05	17. 07	17. 95	17. 22	18. 00
Y 132. 0	16. 66	15. 99	16. 83	15. 99	16. 99	17. 85	17. 16	17. 89
Y 133. 0	16. 55	15. 88	16. 74	15. 90	16. 96	17. 77	17. 12	17. 82
Y 134. 0	16. 49	15. 84	16. 64	15. 82	16. 91	17. 72	17. 08	17. 78
Y 135. 0	16. 44	15. 81	16. 57	15. 78	16. 85	17. 64	17. 01	17. 71
Y 136. 0	16. 34	15. 74	16. 51	15. 74	16. 78	17. 56	16. 97	17. 63
Y 137. 0	16. 29	15. 68	16. 44	15. 65	16. 76	17. 52	16. 95	17. 59
Y 138. 0	16. 24	15. 66	16. 38	15. 61	16. 71	17. 45	16. 89	17. 55
Y 139. 0	16. 19	15. 64	16. 32	15. 60	16. 65	17. 37	16. 84	17. 47
Y 140. 0	16. 12	15. 58	16. 29	15. 54	16. 64	17. 34	16. 83	17. 43

Photometric Filename:PL60120-60W-CK-4000K.IES[illegible]