

Indoor Luminaire Photometric Data

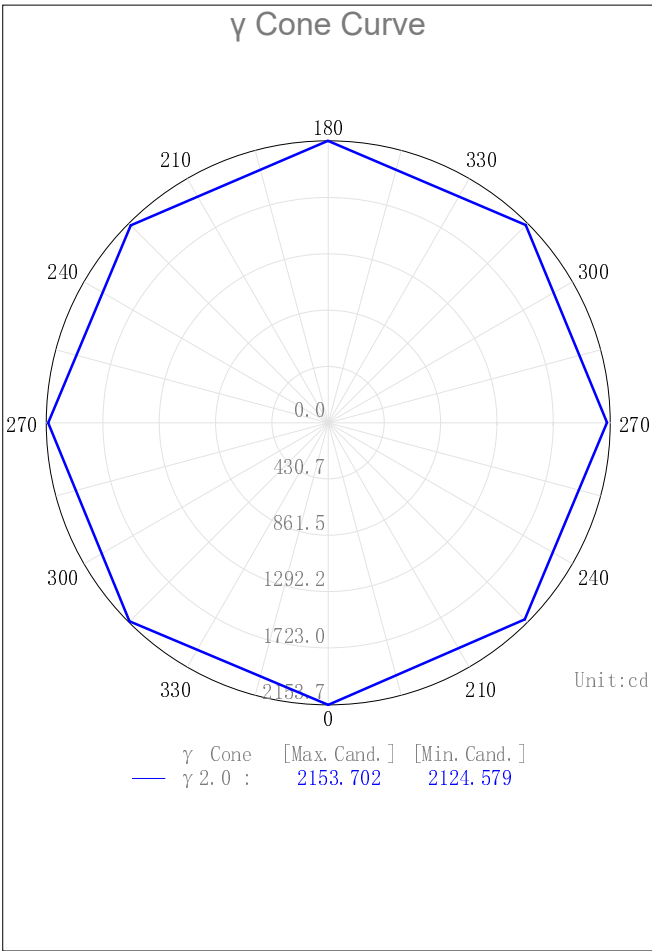
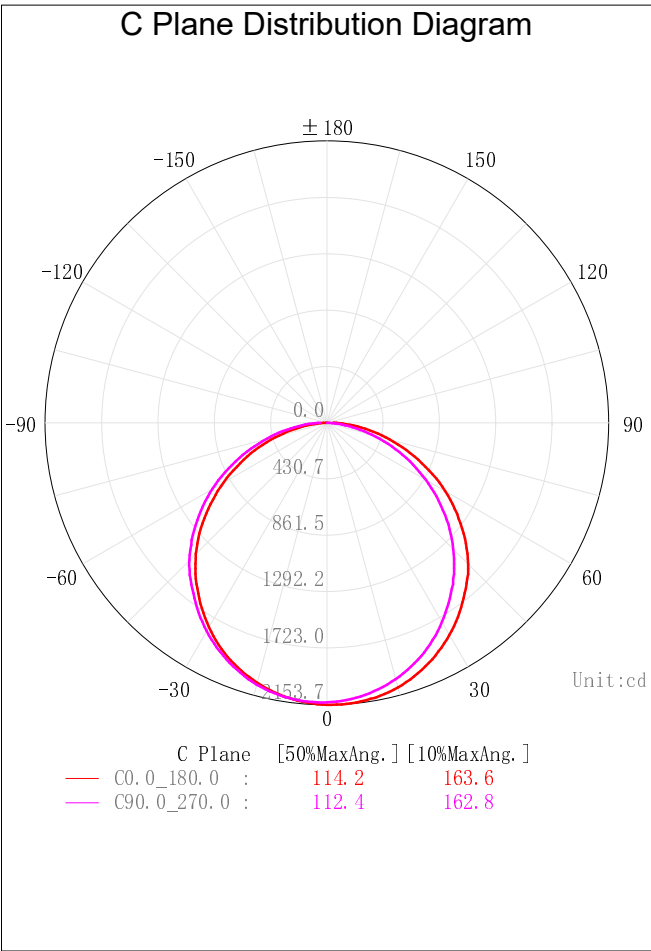
Description Information

Luminary Name: 48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/7/10 14:31:22
Lamp Name:	Lamp Catalog:	Test Date:
Manufacture:	Shld. Ang(°):	Test Machine:
Test Lab:	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.600m*0.600m*0.050m	Lum. Area(m2):0.390	Lum. W(kg):
Test System: C, γ	Test Step: C=45.0 γ=1.0	Temp. (°C): Humidity(%):

Character Parameter

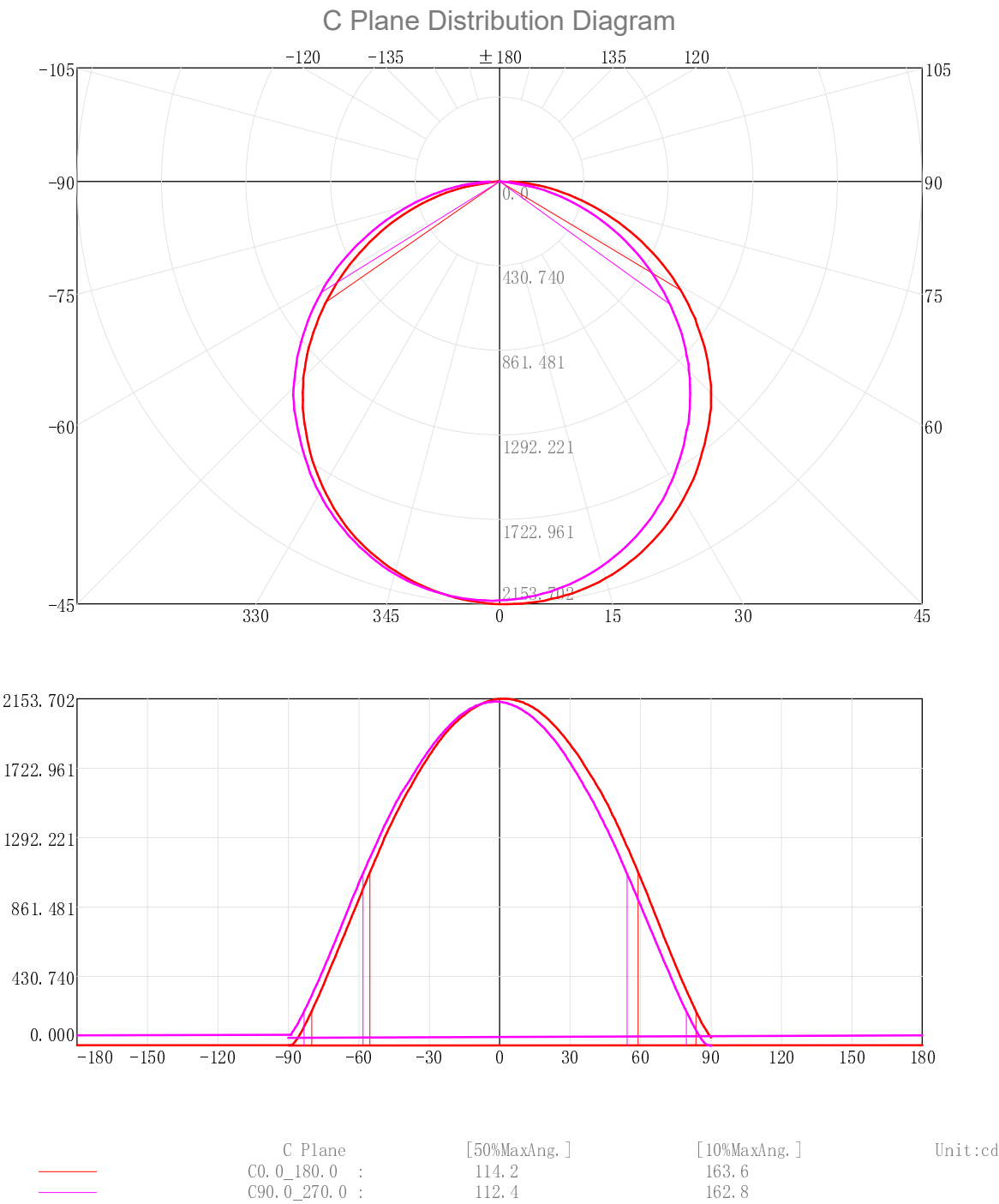
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 6207.110	Luminary Flux(lm): 6207.111	Field Angle(10%Imax): 163.6(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 6207.111lm 100.00%
Rated Voltage(V):	Luminary EER(lm/W): 126.779	Up Lumens&Percent: 0.000lm 0.00%
Tested Power(W): 48.960	Max. Candela(cd): 2153.702	S/MH: C0_a180=1.267 C90_270=1.242
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):	Beam Angle (50%Imax): 114.2(°)	ErP Φ use(120°): 4812.530lm
Lamp Size(W*L*H):0.600m*0.600m*0.050m	Left=-55.2(°), Right=59.0(°)	IRF(%): 108.883

Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

Lum.Name:48W 6060 Edge-lit LED Panel Light	Lum.Catelog:	Test ID:2023/7/10 14:31:22
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:	Test Date:



IES Indoor Report

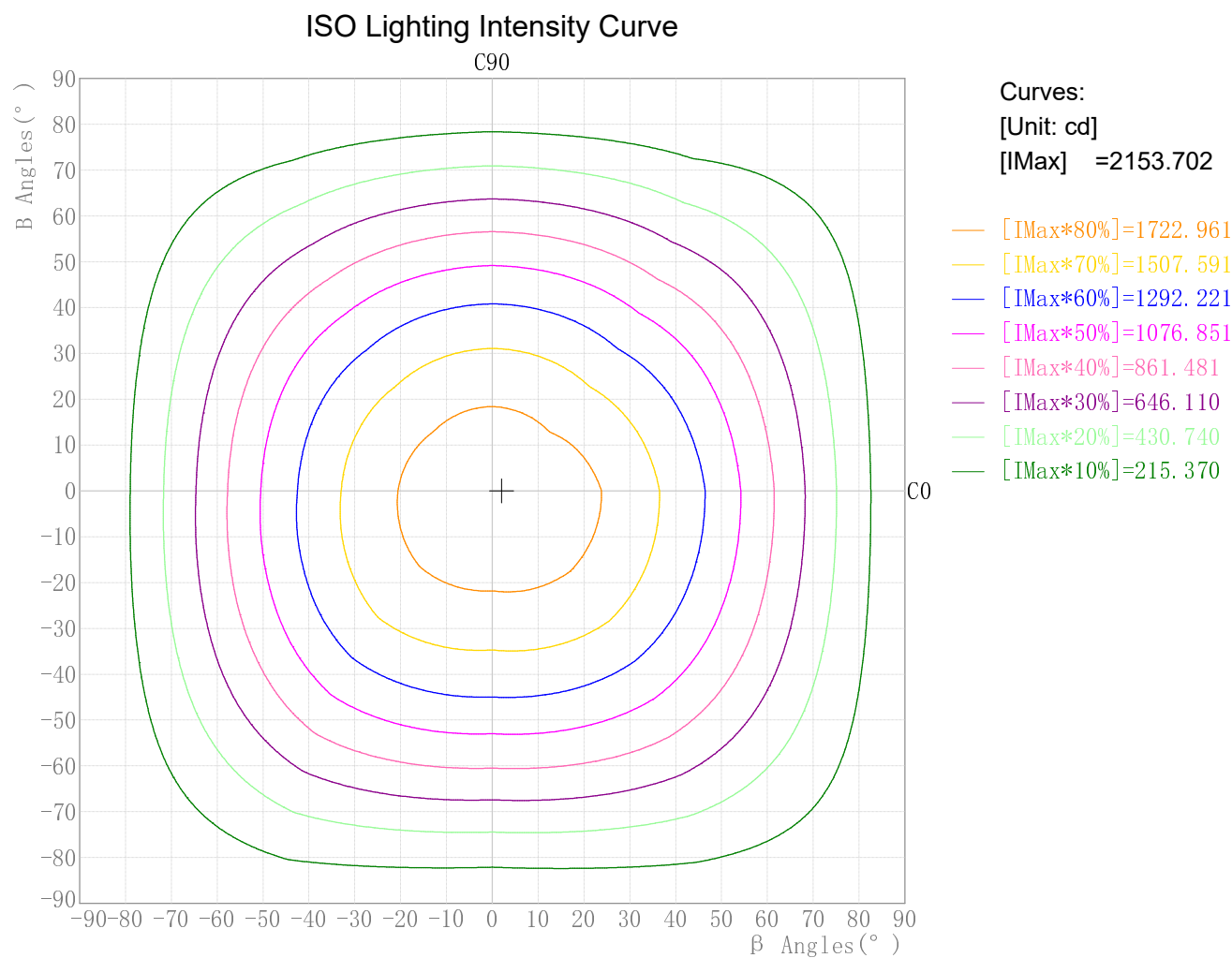
Photometric Filename:48W 6060 Edge-lit LED Panel Light.ies

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	2.05	2.05	0.03	0.03	47.0-48.0	110.63	110.63	1.78	1.78
1.0-2.0	6.14	8.19	0.10	0.13	48.0-49.0	109.81	220.44	1.77	3.55
2.0-3.0	10.22	18.41	0.16	0.30	49.0-50.0	108.87	329.31	1.75	5.31
3.0-4.0	14.29	32.70	0.23	0.53	50.0-51.0	107.79	437.10	1.74	7.04
4.0-5.0	18.34	51.04	0.30	0.82	51.0-52.0	106.52	543.62	1.72	8.76
5.0-6.0	22.37	73.41	0.36	1.18	52.0-53.0	105.11	648.73	1.69	10.45
6.0-7.0	26.36	99.77	0.42	1.61	53.0-54.0	103.61	752.34	1.67	12.12
7.0-8.0	30.32	130.09	0.49	2.10	54.0-55.0	102.01	854.35	1.64	13.76
8.0-9.0	34.23	164.32	0.55	2.65	55.0-56.0	100.26	954.62	1.62	15.38
9.0-10.0	38.11	202.43	0.61	3.26	56.0-57.0	98.35	1052.97	1.58	16.96
10.0-11.0	41.93	244.36	0.68	3.94	57.0-58.0	96.34	1149.31	1.55	18.52
11.0-12.0	45.70	290.06	0.74	4.67	58.0-59.0	94.22	1243.53	1.52	20.03
12.0-13.0	49.40	339.46	0.80	5.47	59.0-60.0	91.96	1335.49	1.48	21.52
13.0-14.0	53.04	392.50	0.85	6.32	60.0-61.0	89.57	1425.06	1.44	22.96
14.0-15.0	56.60	449.10	0.91	7.24	61.0-62.0	87.10	1512.16	1.40	24.36
15.0-16.0	60.09	509.19	0.97	8.20	62.0-63.0	84.48	1596.64	1.36	25.72
16.0-17.0	63.49	572.68	1.02	9.23	63.0-64.0	81.70	1678.34	1.32	27.04
17.0-18.0	66.81	639.50	1.08	10.30	64.0-65.0	78.91	1757.25	1.27	28.31
18.0-19.0	70.05	709.54	1.13	11.43	65.0-66.0	76.00	1833.25	1.22	29.53
19.0-20.0	73.18	782.72	1.18	12.61	66.0-67.0	73.01	1906.26	1.18	30.71
20.0-21.0	76.22	858.95	1.23	13.84	67.0-68.0	69.97	1976.23	1.13	31.84
21.0-22.0	79.16	938.10	1.28	15.11	68.0-69.0	66.81	2043.03	1.08	32.91
22.0-23.0	81.98	1020.09	1.32	16.43	69.0-70.0	63.58	2106.61	1.02	33.94
23.0-24.0	84.71	1104.80	1.36	17.80	70.0-71.0	60.31	2166.92	0.97	34.91
24.0-25.0	87.33	1192.12	1.41	19.21	71.0-72.0	57.00	2223.92	0.92	35.83
25.0-26.0	89.82	1281.94	1.45	20.65	72.0-73.0	53.64	2277.56	0.86	36.69
26.0-27.0	92.20	1374.15	1.49	22.14	73.0-74.0	50.23	2327.79	0.81	37.50
27.0-28.0	94.46	1468.61	1.52	23.66	74.0-75.0	46.81	2374.60	0.75	38.26
28.0-29.0	96.57	1565.18	1.56	25.22	75.0-76.0	43.42	2418.02	0.70	38.96
29.0-30.0	98.54	1663.72	1.59	26.80	76.0-77.0	40.04	2458.06	0.65	39.60
30.0-31.0	100.40	1764.12	1.62	28.42	77.0-78.0	36.65	2494.71	0.59	40.19
31.0-32.0	102.12	1866.24	1.65	30.07	78.0-79.0	33.27	2527.98	0.54	40.73
32.0-33.0	103.69	1969.93	1.67	31.74	79.0-80.0	29.91	2557.88	0.48	41.21
33.0-34.0	105.14	2075.07	1.69	33.43	80.0-81.0	26.64	2584.53	0.43	41.64
34.0-35.0	106.46	2181.53	1.72	35.15	81.0-82.0	23.52	2608.05	0.38	42.02
35.0-36.0	107.63	2289.16	1.73	36.88	82.0-83.0	20.34	2628.39	0.33	42.34
36.0-37.0	108.69	2397.84	1.75	38.63	83.0-84.0	17.15	2645.54	0.28	42.62
37.0-38.0	109.61	2507.46	1.77	40.40	84.0-85.0	14.17	2659.71	0.23	42.85
38.0-39.0	110.37	2617.83	1.78	42.17	85.0-86.0	11.41	2671.12	0.18	43.03
39.0-40.0	111.01	2728.84	1.79	43.96	86.0-87.0	8.90	2680.01	0.14	43.18
40.0-41.0	111.52	2840.36	1.80	45.76	87.0-88.0	6.73	2686.74	0.11	43.28
41.0-42.0	111.87	2952.23	1.80	47.56	88.0-89.0	4.97	2691.72	0.08	43.37
42.0-43.0	112.09	3064.32	1.81	49.37	89.0-90.0	3.88	2695.60	0.06	43.43
43.0-44.0	112.16	3176.48	1.81	51.17					
44.0-45.0	112.03	3288.51	1.80	52.98					
45.0-46.0	111.72	3400.24	1.80	54.78					
46.0-47.0	111.27	3511.51	1.79	56.57					

Rectangle ISO Lighting Intensity Diagram

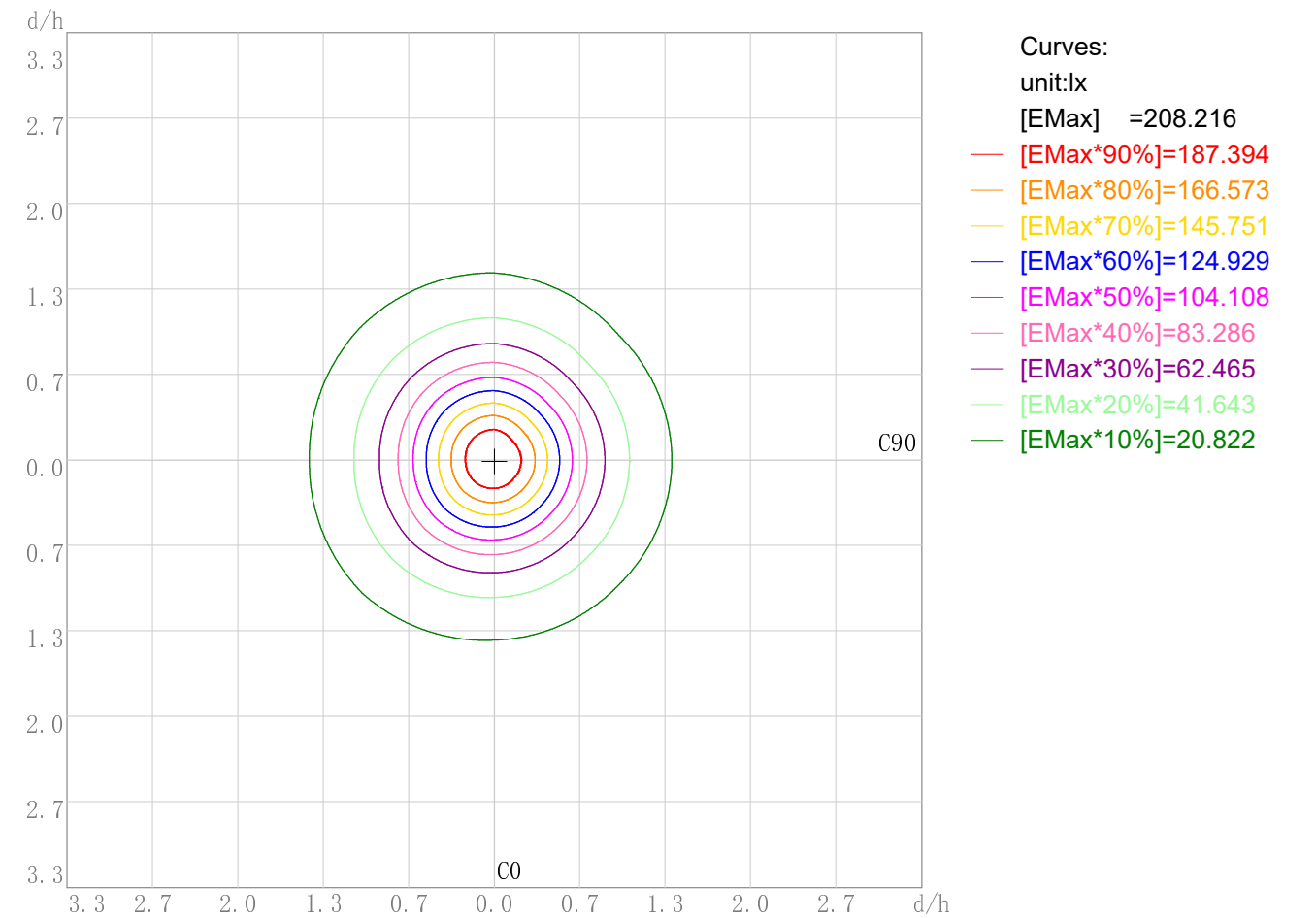
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Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:	Test Date:



Plane ISO-Illuminance Diagram

Lum. Name:48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/7/10 14:31:22
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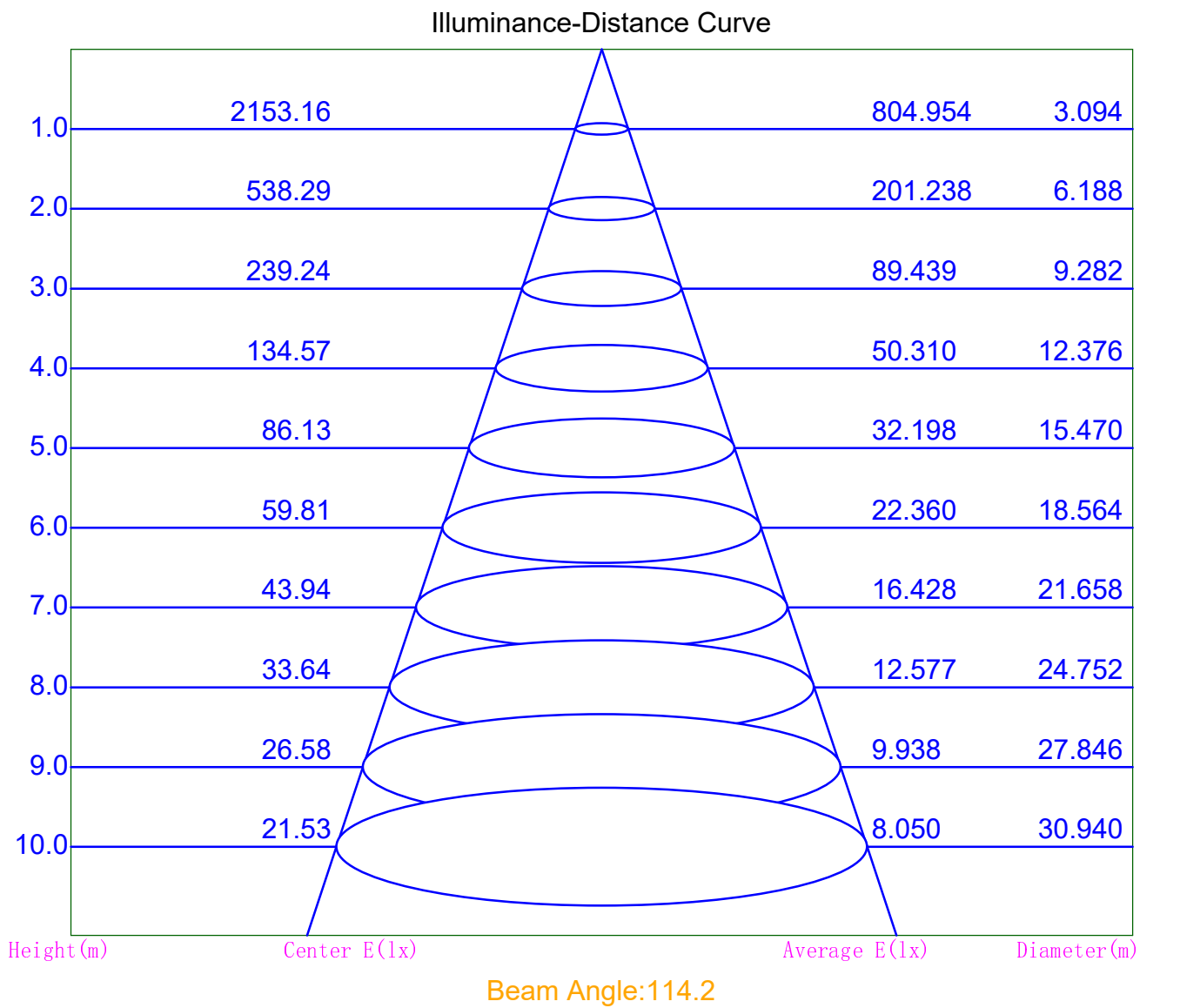
Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 208.22
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

Illuminance-Distance Diagram

Lum. Name:48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/7/10 14:31:22
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:	Test Date:



Indoor Luminance Limiting Curves

Lum. Name:48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/7/10 14:31:22
Lamp Name:	Lamp Catalog:	Test Lab:
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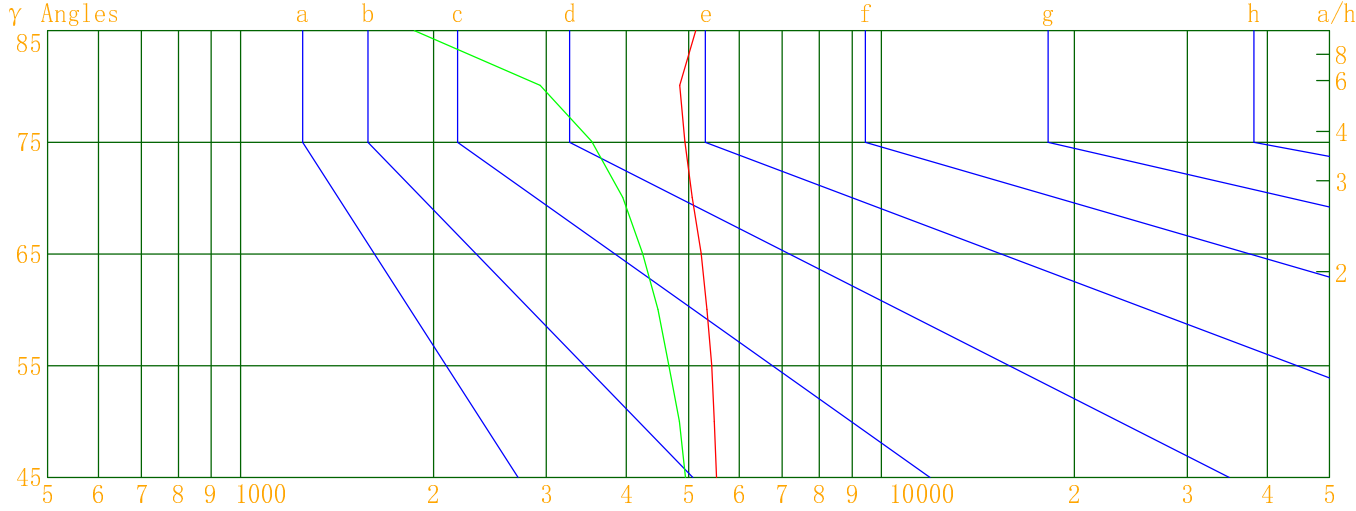
Glare Grade Table

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	5527	5485	5435	5340	5231	5065	4936	4844	5134
C90	4943	4837	4661	4481	4240	3947	3529	2936	1868

Luminance Limiting Curve



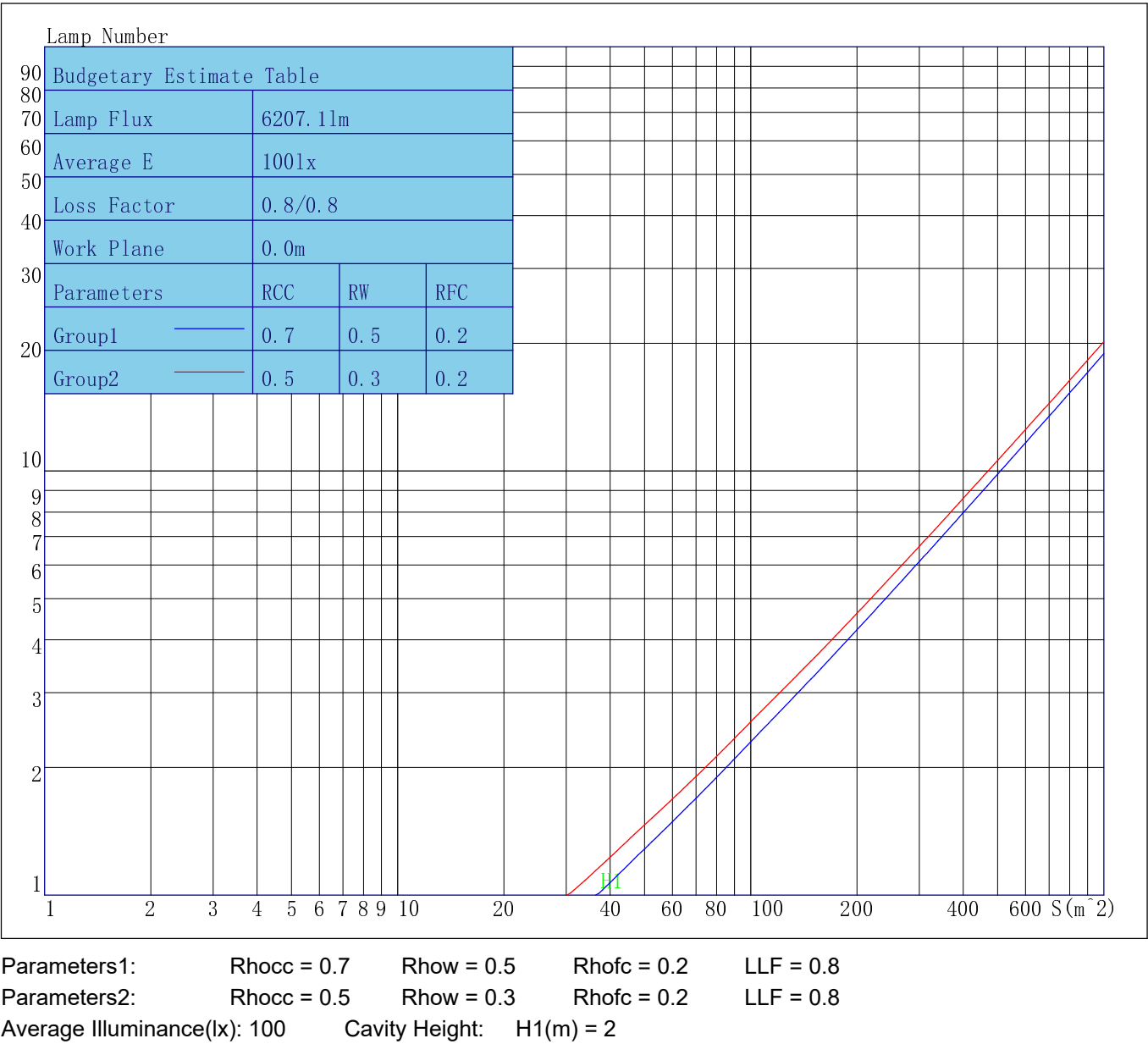
Luminous Size: Length(m)=0.600 Width(m)=0.600 Height(m)=0.050 Area(m^2)=0.390000

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: 48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/7/10 14:31:22
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:	Test Date:



Indoor Coefficient of Utilization Table

Lum. Name:48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/7/10 14:31:22
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:	Test Date:

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	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Unified Glare Rating Table

Lum. Name: 48W 6060 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/7/10 14:31:22
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:	Test Date:

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	10.4	14.4	11.1	15.0	15.6	9.4	13.4	10.1	14.0	14.6
	Y=3H	15.2	19.2	15.9	19.8	20.4	13.5	17.6	14.2	18.2	18.7
	Y=4H	18.0	21.7	18.8	22.3	22.9	15.9	19.6	16.6	20.2	20.8
	Y=6H	20.0	23.6	20.8	24.2	24.8	17.2	20.8	18.0	21.4	22.0
	Y=8H	20.8	24.4	21.6	25.0	25.6	17.6	21.2	18.3	21.8	22.3
	Y=12H	21.5	25.0	22.2	25.7	26.2	17.8	21.3	18.5	21.9	22.5
X=4H	Y=2H	11.6	15.2	12.3	15.8	16.4	11.0	14.7	11.7	15.3	15.8
	Y=3H	16.4	20.1	17.2	20.7	21.3	15.2	18.9	15.9	19.5	20.0
	Y=4H	17.7	20.3	18.7	21.1	21.9	16.0	18.5	16.9	19.4	20.1
	Y=6H	20.1	22.5	21.1	23.4	24.1	17.6	20.0	18.6	20.9	21.7
	Y=8H	21.1	23.5	22.1	24.3	25.1	18.2	20.5	19.1	21.4	22.1
	Y=12H	21.1	23.2	22.2	24.2	25.0	17.5	19.6	18.6	20.6	21.5
X=8H	Y=4H	18.0	20.3	18.9	21.2	21.9	16.4	18.8	17.4	19.6	20.4
	Y=6H	19.6	21.5	20.7	22.5	23.4	17.4	19.3	18.4	20.2	21.1
	Y=8H	20.3	22.0	21.4	23.0	23.9	17.5	19.2	18.6	20.2	21.1
	Y=12H	21.3	22.9	22.4	23.9	24.9	17.8	19.5	18.9	20.5	21.4
X=12H	Y=4H	17.1	19.2	18.1	20.1	21.0	15.6	17.6	16.6	18.6	19.5
	Y=6H	19.1	20.9	20.2	21.9	22.8	16.9	18.7	18.0	19.7	20.6
	Y=8H	20.3	21.9	21.4	23.0	23.9	17.6	19.2	18.7	20.2	21.2
Variations with the objerver position at spacings											
S=1.0H		2.5/-2.2					2.6/-1.2				
S=1.5H		-2.2/-21.4					-1.2/-19.6				
S=2.0H		-2.2/-21.4					-1.2/-19.6				