

Indoor Luminaire Photometric Data

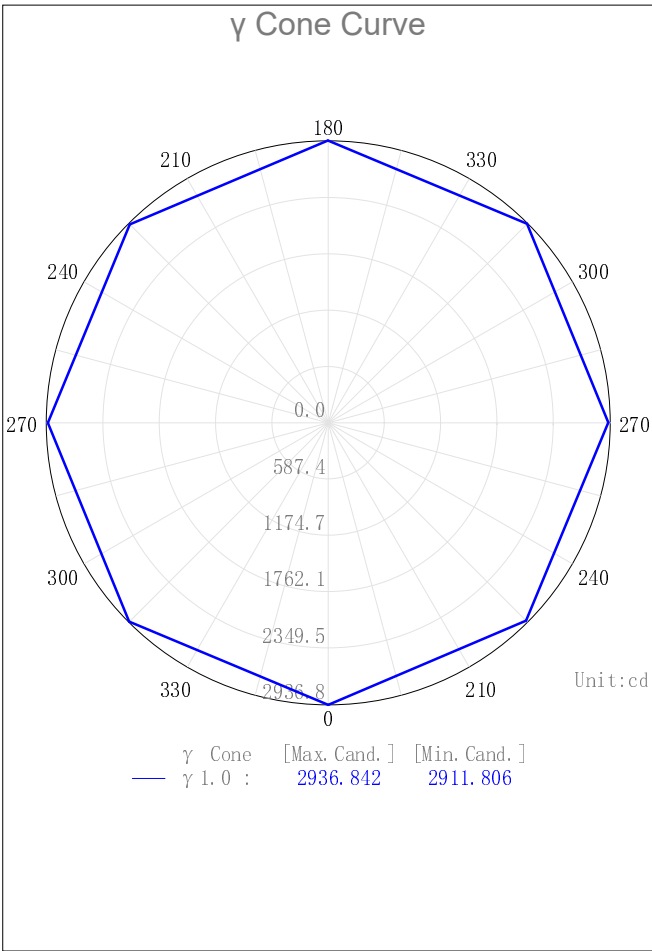
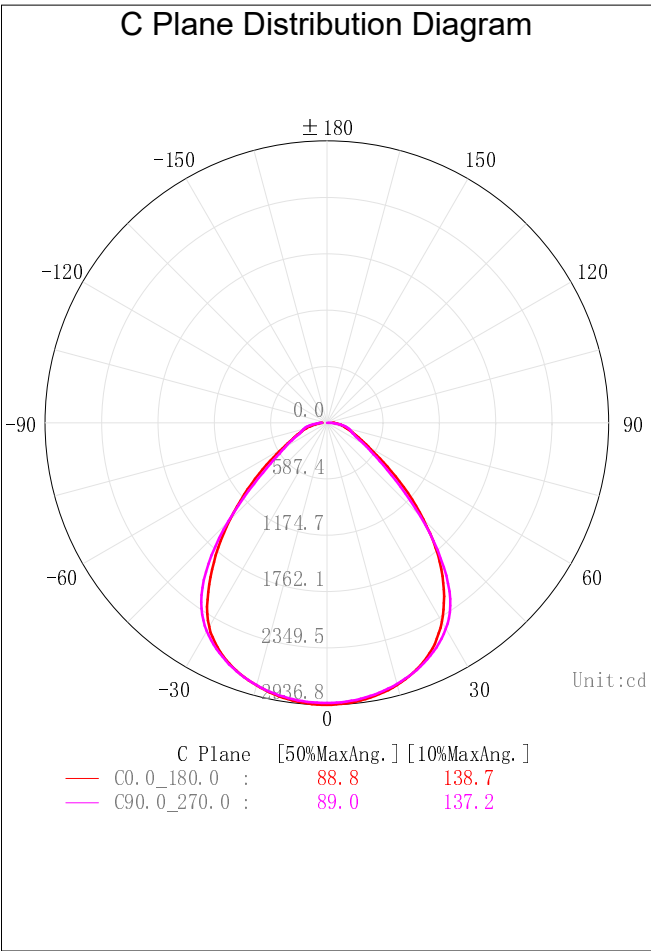
Description Information

Luminary Name: 48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/12/21 17:17:51
Lamp Name:	Lamp Catalog:	Test Date:
Manufacture:	Shld. Ang(°):	Test Machine:
Test Lab:	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.300m*1.200m*0.050m	Lum. Area(m2):0.420	Lum. W(kg):
Test System: C, γ	Test Step: C=45.0 γ=1.0	Temp. (°C): Humidity(%):

Character Parameter

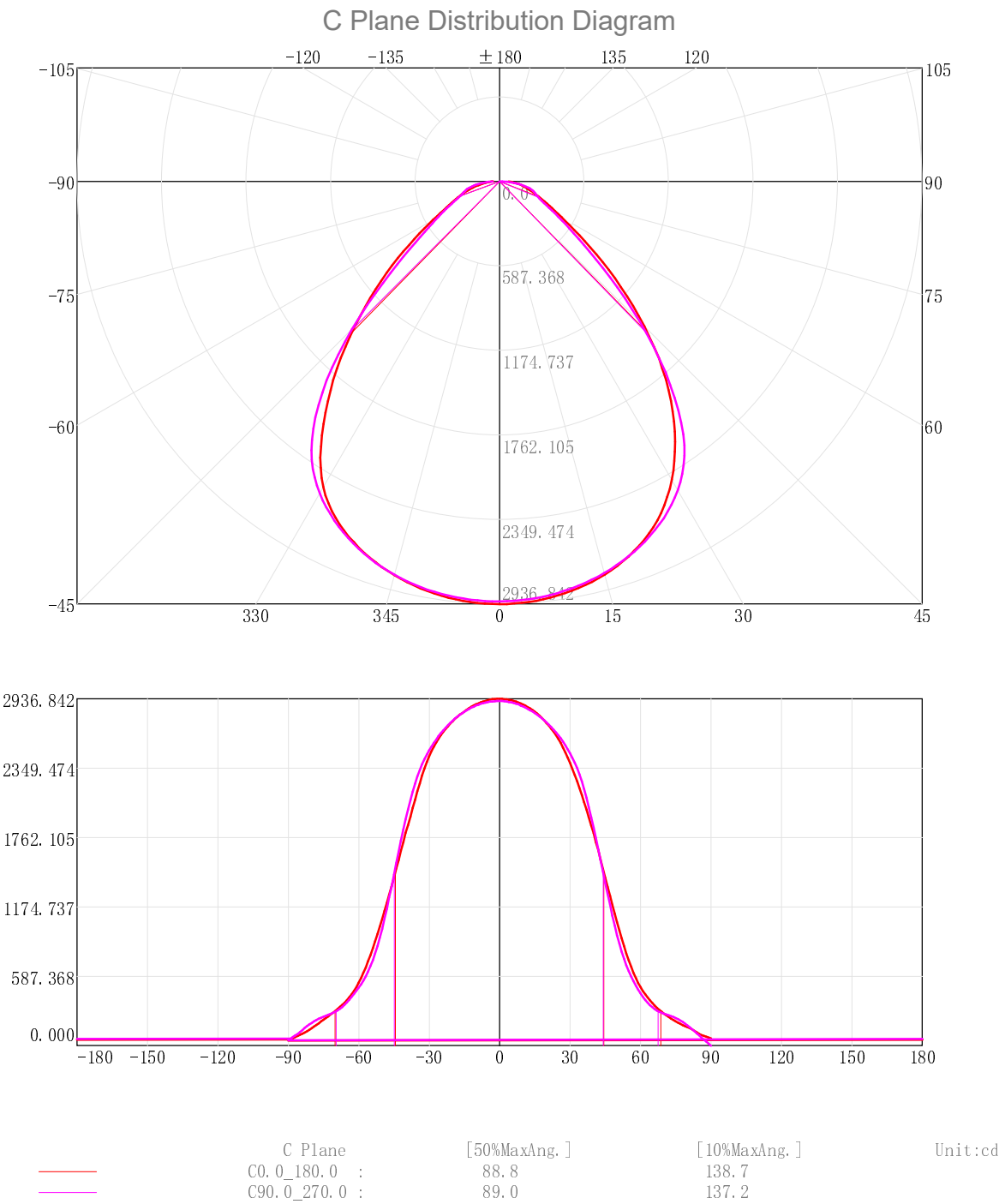
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 6234.380	Luminary Flux(lm): 6234.377	Field Angle(10%Imax): 138.7(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 6234.377lm 100.00%
Rated Voltage(V):	Luminary EER(lm/W): 129.183	Up Lumens&Percent: 0.000lm 0.00%
Tested Power(W): 48.260	Max. Candela(cd): 2936.842	S/MH: C0_a180=1.217 C90_270=1.251
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):	Beam Angle (50%Imax): 88.8(°)	ErP Φ use(90°): 4228.479lm
Lamp Size(W*L*H):0.300m*1.200m*0.050m	Left=-44.4(°), Right=44.4(°)	IRF(%): 126.871

Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

Lum. Name:48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/12/21 17:17:51
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IES Indoor Report

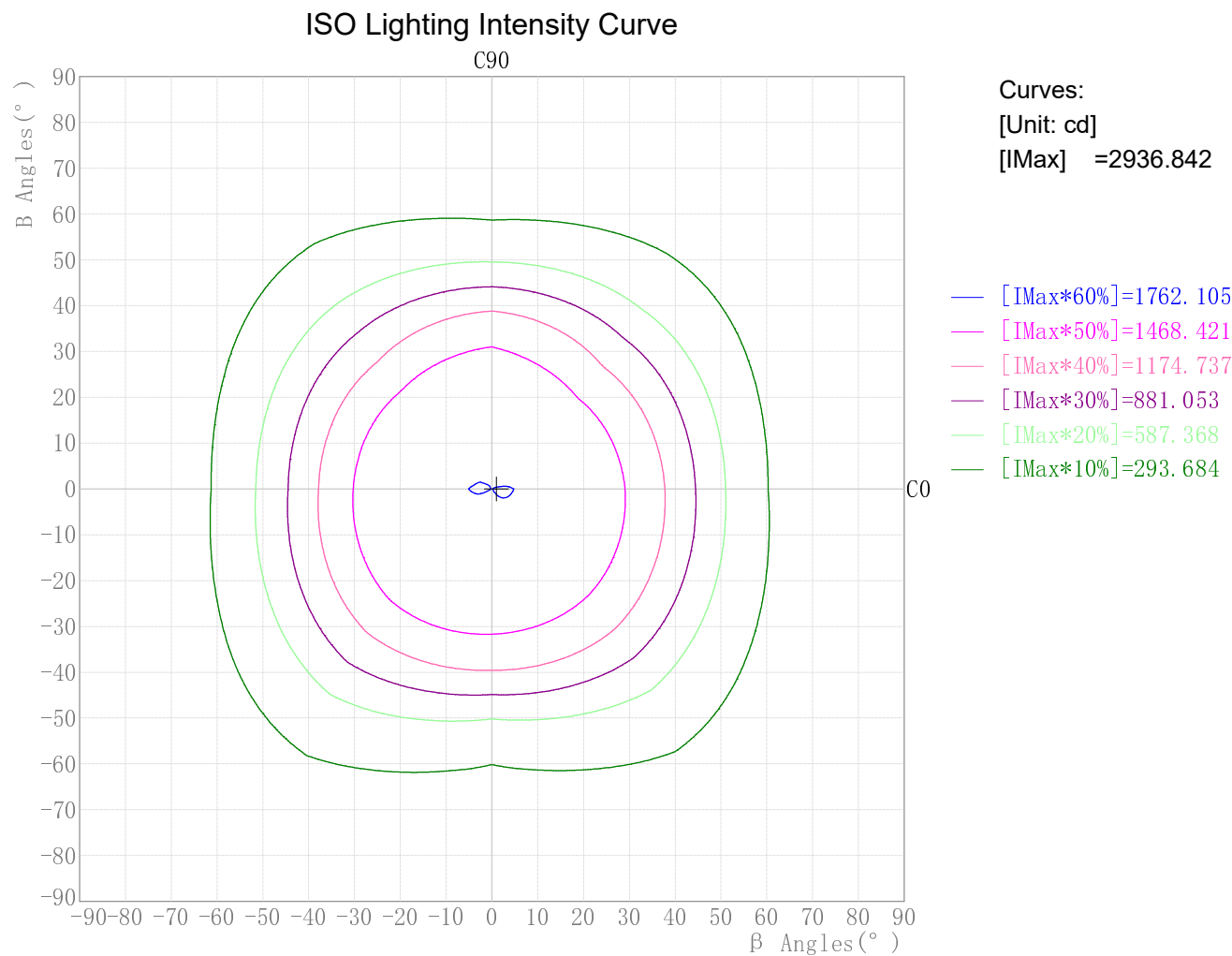
Photometric Filename:48W 30120 Edge-lit LED Panel Light.ies

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	2.80	2.80	0.04	0.04	47.0-48.0	100.93	100.93	1.62	1.62
1.0-2.0	8.39	11.19	0.13	0.18	48.0-49.0	96.27	197.20	1.54	3.16
2.0-3.0	13.97	25.16	0.22	0.40	49.0-50.0	91.60	288.80	1.47	4.63
3.0-4.0	19.54	44.70	0.31	0.72	50.0-51.0	87.00	375.80	1.40	6.03
4.0-5.0	25.08	69.77	0.40	1.12	51.0-52.0	82.60	458.40	1.32	7.35
5.0-6.0	30.59	100.36	0.49	1.61	52.0-53.0	78.35	536.75	1.26	8.61
6.0-7.0	36.06	136.42	0.58	2.19	53.0-54.0	74.26	611.01	1.19	9.80
7.0-8.0	41.49	177.90	0.67	2.85	54.0-55.0	70.39	681.40	1.13	10.93
8.0-9.0	46.86	224.76	0.75	3.61	55.0-56.0	66.72	748.11	1.07	12.00
9.0-10.0	52.18	276.94	0.84	4.44	56.0-57.0	63.22	811.33	1.01	13.01
10.0-11.0	57.43	334.38	0.92	5.36	57.0-58.0	59.97	871.30	0.96	13.98
11.0-12.0	62.61	396.99	1.00	6.37	58.0-59.0	56.92	928.22	0.91	14.89
12.0-13.0	67.72	464.70	1.09	7.45	59.0-60.0	54.02	982.24	0.87	15.76
13.0-14.0	72.73	537.44	1.17	8.62	60.0-61.0	51.27	1033.51	0.82	16.58
14.0-15.0	77.65	615.09	1.25	9.87	61.0-62.0	48.67	1082.18	0.78	17.36
15.0-16.0	82.47	697.56	1.32	11.19	62.0-63.0	46.21	1128.39	0.74	18.10
16.0-17.0	87.18	784.74	1.40	12.59	63.0-64.0	43.91	1172.29	0.70	18.80
17.0-18.0	91.78	876.53	1.47	14.06	64.0-65.0	41.75	1214.04	0.67	19.47
18.0-19.0	96.25	972.77	1.54	15.60	65.0-66.0	39.73	1253.77	0.64	20.11
19.0-20.0	100.57	1073.35	1.61	17.22	66.0-67.0	37.88	1291.65	0.61	20.72
20.0-21.0	104.77	1178.12	1.68	18.90	67.0-68.0	36.22	1327.87	0.58	21.30
21.0-22.0	108.81	1286.92	1.75	20.64	68.0-69.0	34.68	1362.55	0.56	21.86
22.0-23.0	112.67	1399.59	1.81	22.45	69.0-70.0	33.27	1395.81	0.53	22.39
23.0-24.0	116.34	1515.93	1.87	24.32	70.0-71.0	31.98	1427.80	0.51	22.90
24.0-25.0	119.79	1635.72	1.92	26.24	71.0-72.0	30.79	1458.59	0.49	23.40
25.0-26.0	122.98	1758.70	1.97	28.21	72.0-73.0	29.63	1488.22	0.48	23.87
26.0-27.0	125.89	1884.58	2.02	30.23	73.0-74.0	28.48	1516.70	0.46	24.33
27.0-28.0	128.50	2013.08	2.06	32.29	74.0-75.0	27.32	1544.02	0.44	24.77
28.0-29.0	130.81	2143.89	2.10	34.39	75.0-76.0	26.13	1570.14	0.42	25.19
29.0-30.0	132.77	2276.67	2.13	36.52	76.0-77.0	24.88	1595.02	0.40	25.58
30.0-31.0	134.37	2411.03	2.16	38.67	77.0-78.0	23.56	1618.58	0.38	25.96
31.0-32.0	135.59	2546.62	2.17	40.85	78.0-79.0	22.16	1640.74	0.36	26.32
32.0-33.0	136.37	2682.99	2.19	43.04	79.0-80.0	20.69	1661.42	0.33	26.65
33.0-34.0	136.76	2819.76	2.19	45.23	80.0-81.0	19.22	1680.64	0.31	26.96
34.0-35.0	136.73	2956.49	2.19	47.42	81.0-82.0	17.76	1698.40	0.28	27.24
35.0-36.0	136.28	3092.77	2.19	49.61	82.0-83.0	16.18	1714.58	0.26	27.50
36.0-37.0	135.40	3228.17	2.17	51.78	83.0-84.0	14.53	1729.11	0.23	27.74
37.0-38.0	134.14	3362.32	2.15	53.93	84.0-85.0	12.95	1742.06	0.21	27.94
38.0-39.0	132.49	3494.81	2.13	56.06	85.0-86.0	11.47	1753.53	0.18	28.13
39.0-40.0	130.44	3625.25	2.09	58.15	86.0-87.0	10.10	1763.63	0.16	28.29
40.0-41.0	127.99	3753.24	2.05	60.20	87.0-88.0	8.76	1772.39	0.14	28.43
41.0-42.0	125.13	3878.37	2.01	62.21	88.0-89.0	7.43	1779.82	0.12	28.55
42.0-43.0	121.88	4000.25	1.95	64.16	89.0-90.0	6.33	1786.15	0.10	28.65
43.0-44.0	118.22	4118.47	1.90	66.06					
44.0-45.0	114.25	4232.73	1.83	67.89					
45.0-46.0	109.98	4342.71	1.76	69.66					
46.0-47.0	105.52	4448.23	1.69	71.35					

Rectangle ISO Lighting Intensity Diagram

Lum. Name:48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/12/21 17:17:51
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Manufacture:	Test Machine:	Test Date:

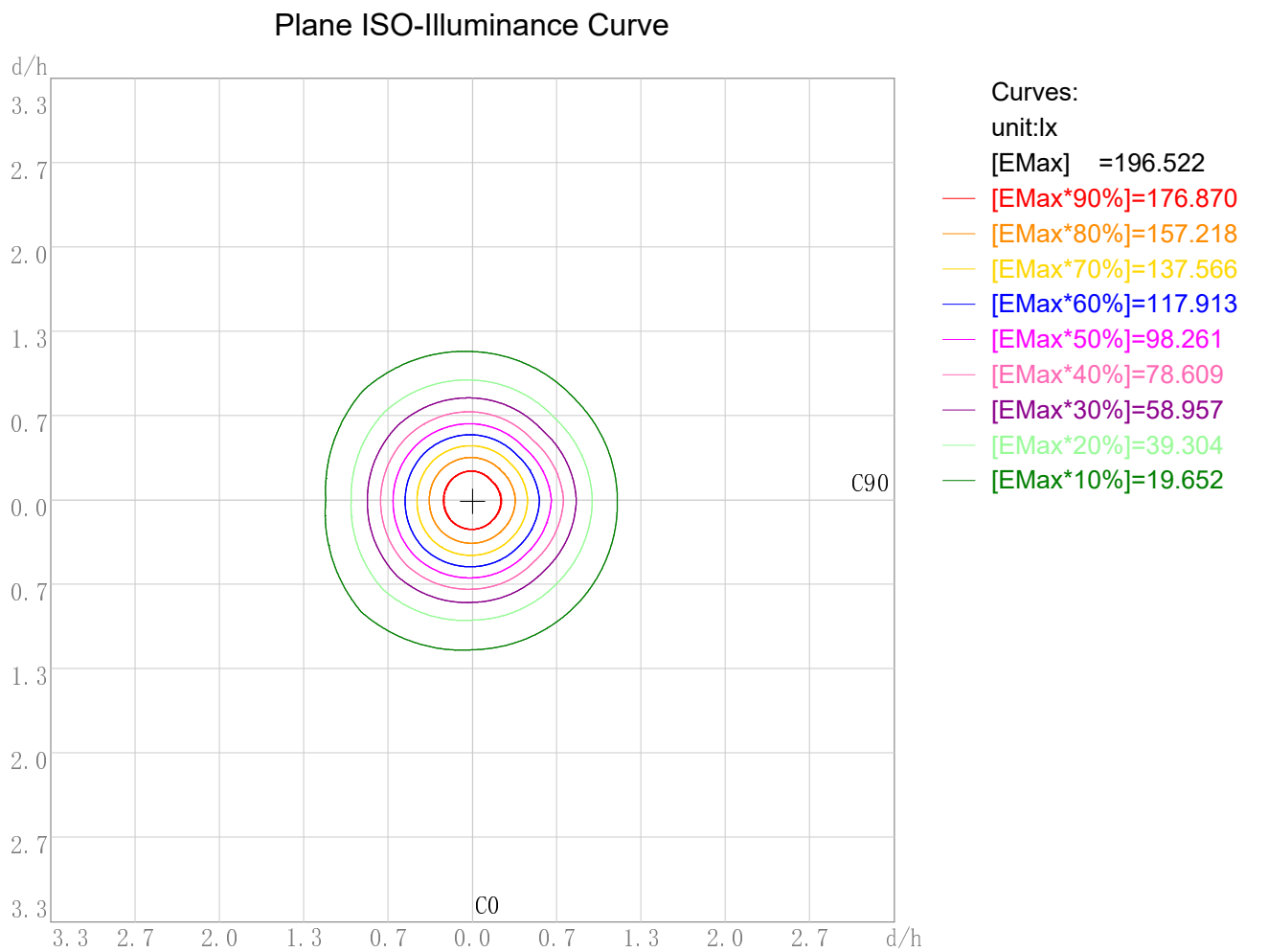


Maximum Light Intensity(cd): 2936.84

Maximum Cand.@Angle: H=1.0°,V=0.0°

Plane ISO-Illuminance Diagram

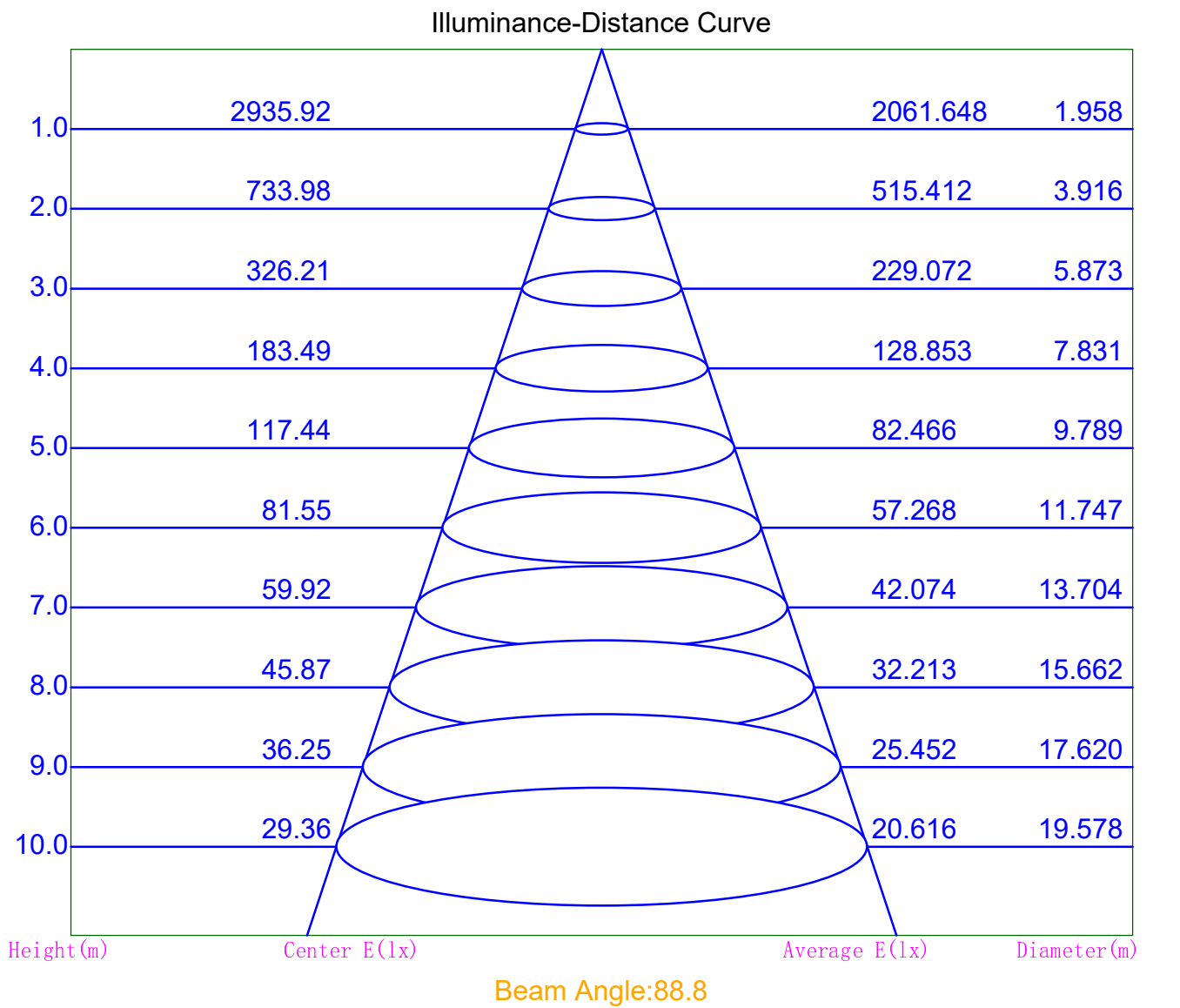
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Lamp Name:	Lamp Catalog:	Test Lab:
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Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 196.52
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

Illuminance-Distance Diagram

Lum. Name:48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/12/21 17:17:51
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Indoor Luminance Limiting Curves

Lum. Name:48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/12/21 17:17:51
Lamp Name:	Lamp Catalog:	Test Lab:
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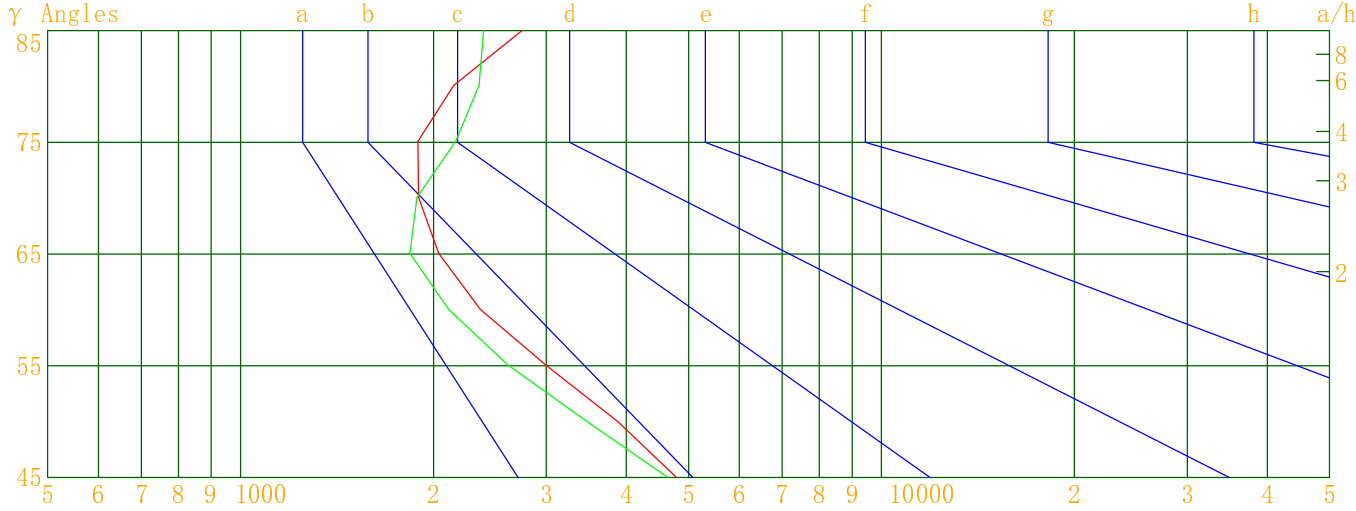
Glare Grade Table

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	4789	3876	2997	2368	2038	1897	1892	2150	2748
C90	4643	3470	2619	2112	1838	1884	2165	2356	2394

Luminance Limiting Curve



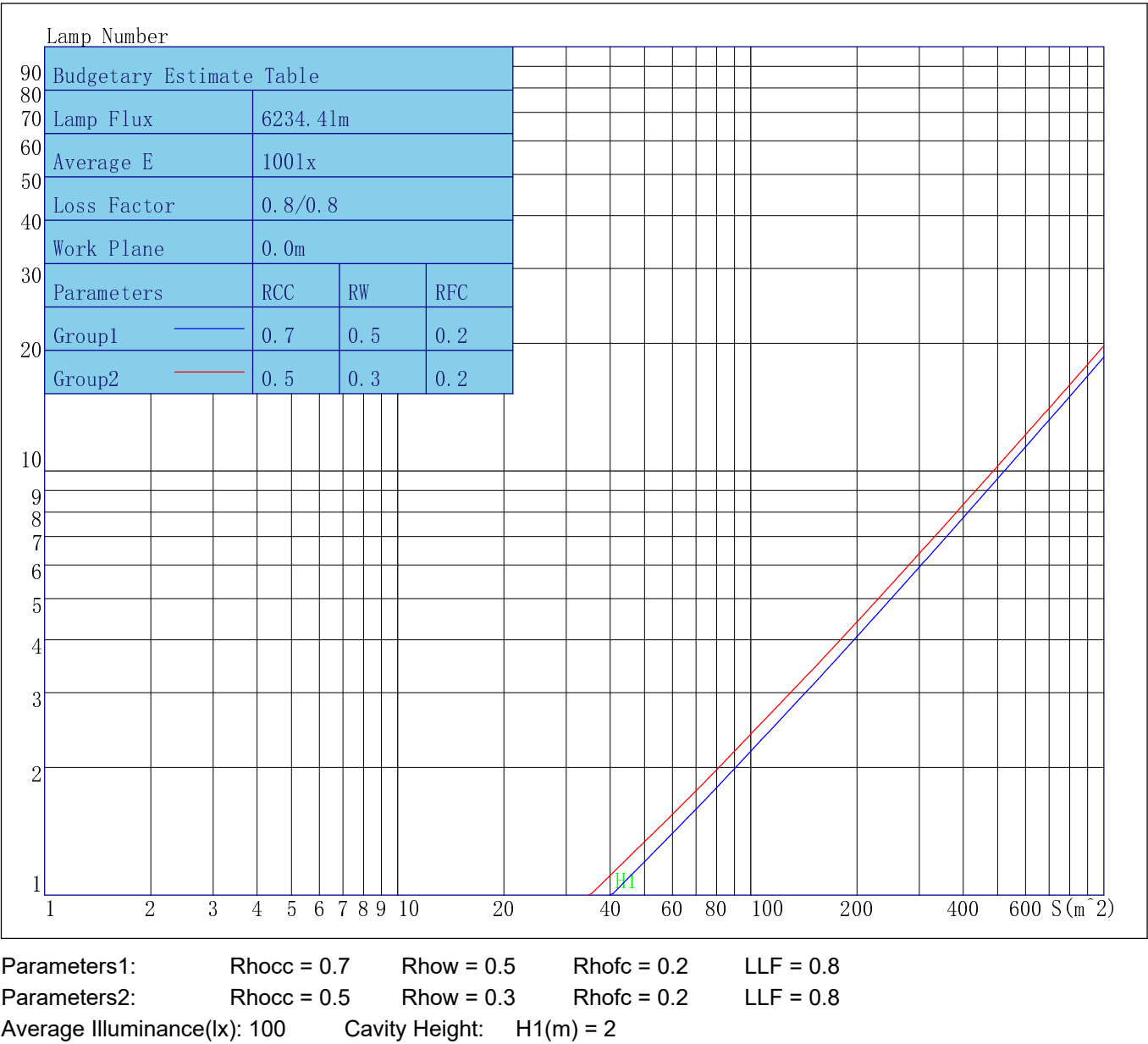
Luminous Size: Length(m)=1.200 Width(m)=0.300 Height(m)=0.050 Area(m^2)=0.420000

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name:48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/12/21 17:17:51
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Indoor Coefficient of Utilization Table

Lum. Name:48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID:2023/12/21 17:17:51
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	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	63	54	49	73	62	54	48	60	53	48	58	52	48	57	51	47	45
7	70	57	49	44	68	56	49	43	55	48	43	54	47	43	52	47	42	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31

Unified Glare Rating Table

Lum. Name: 48W 30120 Edge-lit LED Panel Light	Lum. Catalog:	Test ID: 2023/12/21 17:17:51
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	-2.4	1.9	-1.7	2.5	3.1	-2.8	1.5	-2.1	2.1	2.7
	Y=3H	-0.0	4.3	0.7	4.9	5.4	-0.5	3.8	0.3	4.4	5.0
	Y=4H	1.6	5.7	2.3	6.4	6.9	1.5	5.6	2.2	6.2	6.8
	Y=6H	3.1	7.2	3.8	7.8	8.4	3.3	7.4	4.0	8.0	8.6
	Y=8H	3.9	8.0	4.6	8.6	9.2	4.1	8.2	4.8	8.8	9.4
	Y=12H	4.6	8.7	5.4	9.3	9.9	4.7	8.8	5.5	9.4	10.0
X=4H	Y=2H	-1.9	2.2	-1.2	2.8	3.4	-2.3	1.8	-1.6	2.4	3.0
	Y=3H	0.9	5.0	1.6	5.7	6.2	0.5	4.7	1.3	5.3	5.9
	Y=4H	0.9	4.3	1.8	5.2	6.0	0.8	4.3	1.8	5.1	5.9
	Y=6H	2.9	6.3	3.9	7.2	7.9	3.1	6.5	4.1	7.4	8.1
	Y=8H	4.0	7.4	4.9	8.2	9.0	4.2	7.6	5.2	8.4	9.2
	Y=12H	4.1	7.3	5.2	8.2	9.1	4.2	7.4	5.3	8.3	9.2
X=8H	Y=4H	1.1	4.5	2.1	5.4	6.1	1.0	4.4	2.0	5.3	6.0
	Y=6H	2.5	5.6	3.6	6.6	7.4	2.7	5.8	3.8	6.8	7.6
	Y=8H	3.3	6.2	4.4	7.3	8.2	3.5	6.4	4.6	7.5	8.4
	Y=12H	4.6	7.6	5.7	8.6	9.5	4.7	7.6	5.8	8.6	9.5
X=12H	Y=4H	0.2	3.4	1.3	4.3	5.2	0.1	3.3	1.2	4.2	5.1
	Y=6H	2.1	5.0	3.2	6.0	7.0	2.3	5.2	3.4	6.2	7.2
	Y=8H	3.4	6.3	4.5	7.3	8.3	3.6	6.5	4.7	7.5	8.5
Variations with the objerver position at spacings											
S=1.0H		3.7/-2.6					3.7/-2.2				
S=1.5H		-2.6/-21.1					-2.2/-20.5				
S=2.0H		-2.6/-21.1					-2.2/-20.5				