

Description Information(From Photometric File)

Photometric File: 1050mA 5500K帶罩.IES
IES Format: IESNA:LM-63-1995
[TEST] Sealite
[DATE] 2020/06/27
[MANUFAC] Sealite
[LUMCAT]
[LUMINAIRE]
[LAMPCAT]
[LAMP]
[BALLASTCAT]
[BALLAST]
[OTHER] 1 GON-1800
[More] Temperature:15 Humidity:40
[More] Frequency:50.0 Voltage:229.7 Current:0.227 Power:49.9 PF:0.955

Character

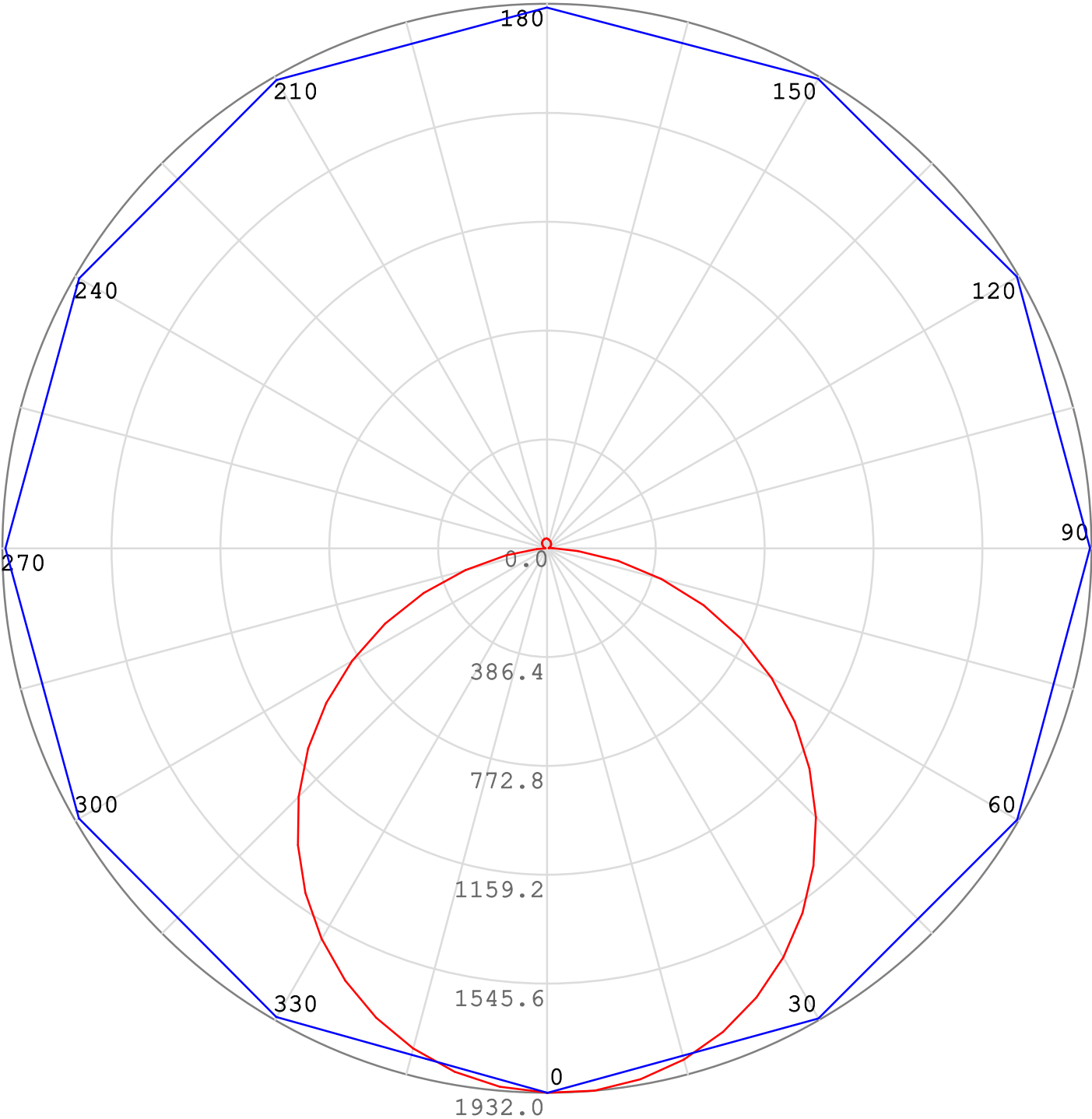
Lamp Power(w):	49.9
Total Rated Lamp Lumens(lm):	8114.24
Luminair Lumens(lm):	6476.90
Total Luminair Efficacy:	79.82%
Luminaire Efficacy Rating(LER):	129.80
Maximum Intencity(cd):	1931.96
Max Cd Angle(deg):	C=0.0 γ=5.0
Downward Lumens(lm):	5993.53
Downward Total Efficiency:	92.54%
Spacing Criteria:	C0_180=0.65 C90_270=0.64
CIE Type:	Semi-Direct
Beam Angle(50%Imax):	Left=-54.7 Right=58.5
Field Angle(10%Imax):	155.7

Candela Tabulation

	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0	C360.0
<u>γ 0.0</u>	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44	1931.44
<u>γ 5.0</u>	1931.96	1926.64	1926.15	1926.39	1925.16	1923.45	1918.03	1918.10	1915.94	1920.95	1917.44	1919.99	1931.96
<u>γ 10.0</u>	1913.28	1905.46	1906.65	1903.11	1904.39	1899.79	1885.53	1888.29	1885.80	1892.61	1888.68	1892.91	1913.28
<u>γ 15.0</u>	1877.66	1867.98	1871.46	1865.51	1868.21	1860.06	1836.66	1842.18	1839.64	1848.49	1843.70	1849.19	1877.66
<u>γ 20.0</u>	1825.70	1815.03	1821.15	1813.53	1817.08	1804.79	1772.02	1780.28	1777.56	1789.32	1783.16	1789.75	1825.70
<u>γ 25.0</u>	1758.37	1746.33	1756.39	1747.53	1751.15	1734.59	1692.55	1703.02	1699.80	1714.89	1707.18	1714.91	1758.37
<u>γ 30.0</u>	1676.05	1663.66	1678.05	1668.44	1671.29	1650.80	1599.38	1611.76	1607.70	1626.42	1617.06	1625.45	1676.05
<u>γ 35.0</u>	1579.73	1567.87	1586.63	1576.34	1578.61	1553.66	1493.11	1507.22	1503.16	1525.17	1513.65	1522.42	1579.73
<u>γ 40.0</u>	1470.48	1459.62	1482.69	1472.30	1473.88	1444.48	1374.92	1390.13	1387.36	1412.23	1398.90	1406.81	1470.48
<u>γ 45.0</u>	1348.78	1339.87	1367.70	1357.75	1358.39	1324.01	1245.34	1261.71	1261.45	1288.80	1273.48	1279.53	1348.78
<u>γ 50.0</u>	1215.87	1209.43	1243.17	1235.84	1233.83	1193.28	1105.29	1123.94	1126.58	1157.16	1139.07	1142.22	1215.87
<u>γ 55.0</u>	1072.86	1069.66	1112.88	1109.88	1103.60	1053.79	955.69	977.93	987.14	1022.28	999.39	996.13	1072.86
<u>γ 60.0</u>	919.97	922.27	979.64	985.70	970.70	906.89	797.75	825.61	848.25	896.45	860.18	843.61	919.97
<u>γ 65.0</u>	758.75	770.25	850.44	868.90	842.28	755.81	633.01	670.22	718.83	771.90	729.84	687.68	758.75
<u>γ 70.0</u>	591.04	618.89	730.10	759.83	723.04	605.97	464.79	519.70	605.09	666.14	614.85	535.21	591.04
<u>γ 75.0</u>	420.70	476.75	619.26	657.53	613.08	465.99	298.64	384.51	504.43	569.60	512.89	398.56	420.70
<u>γ 80.0</u>	255.79	352.36	515.61	558.88	510.53	344.19	147.40	275.55	412.54	479.49	419.74	285.40	255.79
<u>γ 85.0</u>	111.58	246.94	417.90	464.20	414.01	241.16	36.41	188.42	330.57	397.28	336.44	195.73	111.58
<u>γ 90.0</u>	19.80	160.37	328.45	376.88	325.53	156.61	4.88	122.43	259.29	323.81	263.93	127.27	19.80
<u>γ 95.0</u>	5.77	96.99	249.34	297.26	247.48	95.30	6.28	77.39	197.41	257.64	200.88	79.83	5.77
<u>γ 100.0</u>	7.17	62.54	183.45	228.04	183.02	61.91	8.35	53.44	148.54	200.66	150.18	54.36	7.17
<u>γ 105.0</u>	8.73	48.91	134.70	173.26	134.97	49.95	10.17	42.75	106.67	153.82	107.84	42.43	8.73
<u>γ 110.0</u>	10.38	46.64	98.81	129.23	99.15	48.42	12.67	44.29	85.86	118.24	85.97	42.87	10.38
<u>γ 115.0</u>	12.41	46.69	88.23	108.52	88.80	49.25	14.57	44.29	76.66	98.19	75.54	44.04	12.41
<u>γ 120.0</u>	14.36	47.01	85.04	100.91	86.13	46.40	16.73	41.34	74.70	88.52	73.17	45.30	14.36
<u>γ 125.0</u>	16.27	46.89	81.41	96.60	83.02	42.98	19.25	37.63	72.65	84.38	71.26	44.21	16.27
<u>γ 130.0</u>	18.70	45.97	77.46	91.12	79.12	40.02	22.07	37.13	69.66	81.22	68.94	43.77	18.70
<u>γ 135.0</u>	21.09	46.03	73.24	85.45	73.23	40.43	24.60	37.65	62.28	77.44	66.49	42.94	21.09
<u>γ 140.0</u>	22.75	44.59	69.10	78.93	64.90	39.77	26.85	37.91	54.38	72.42	63.02	41.30	22.75
<u>γ 145.0</u>	24.33	43.34	64.72	72.90	55.35	40.19	28.88	37.63	47.06	66.43	58.31	40.34	24.33
<u>γ 150.0</u>	26.10	42.21	60.17	65.31	48.71	40.20	30.54	38.22	43.28	60.04	54.03	39.11	26.10
<u>γ 155.0</u>	27.48	40.74	55.41	59.53	45.27	40.15	31.69	37.88	40.86	54.35	48.97	37.67	27.48
<u>γ 160.0</u>	28.54	38.95	50.28	53.58	42.58	38.82	32.68	36.91	39.05	48.40	44.20	36.22	28.54
<u>γ 165.0</u>	30.56	36.81	45.01	46.89	40.16	37.23	34.58	36.08	37.14	42.99	39.62	34.65	30.56
<u>γ 170.0</u>	32.05	35.68	40.10	40.14	37.88	36.34	34.95	35.41	35.40	37.28	36.39	33.79	32.05
<u>γ 175.0</u>	32.96	34.89	36.92	36.19	35.78	35.40	35.29	34.91	34.63	34.41	34.76	33.83	32.96
<u>γ 180.0</u>	34.79	34.79	34.79	34.79	34.79	34.79	34.79	34.79	34.79	34.79	34.79	34.79	34.79

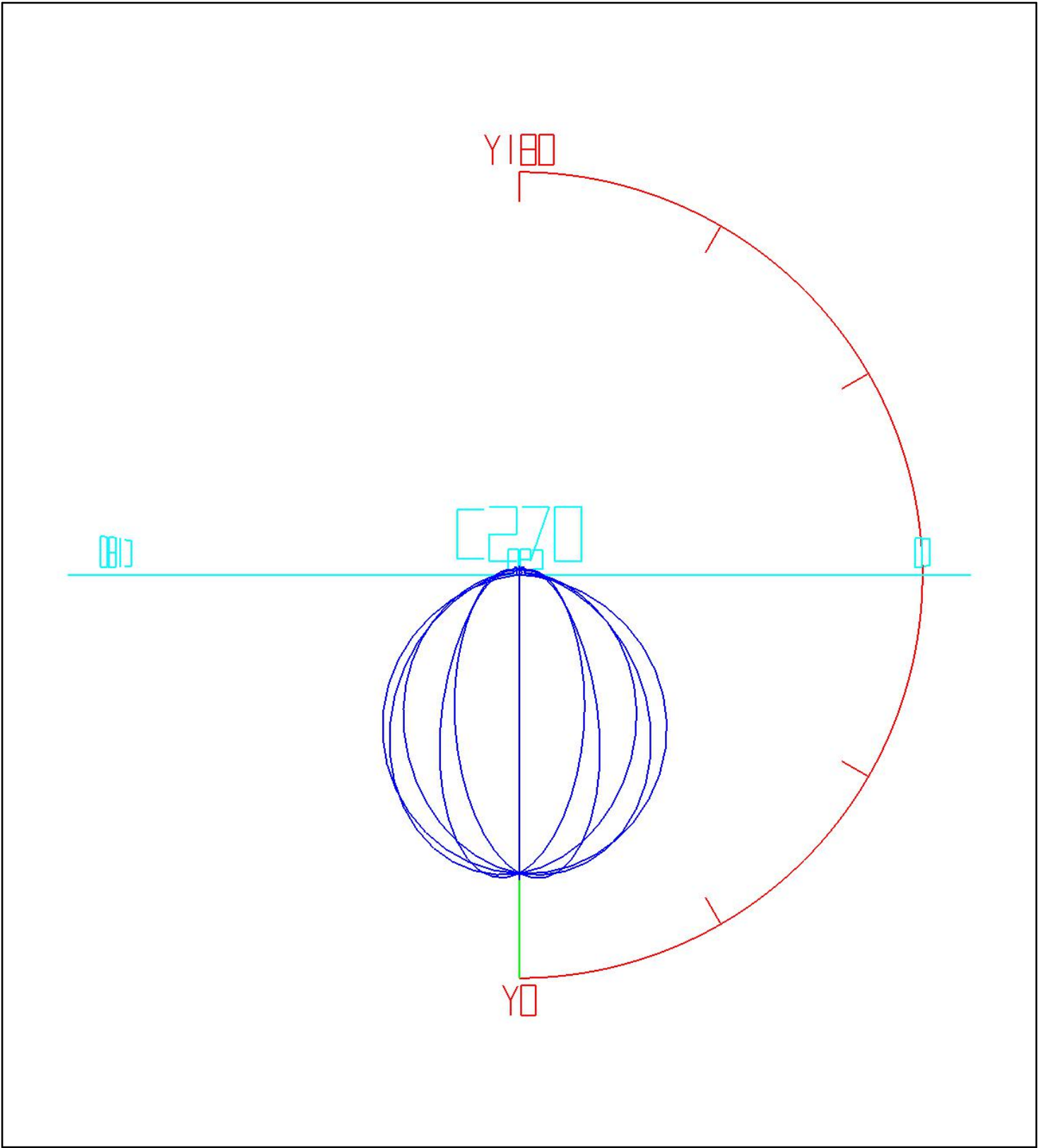
2D Light Intensity Distribution Curve

Plane [50%Ang.] [10%Ang.] Polar Graph
C0.0: 113.2 160.7



C Plane: C0.0
γ Cone: γ5.0

3D Light Intensity Distribution Curve



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

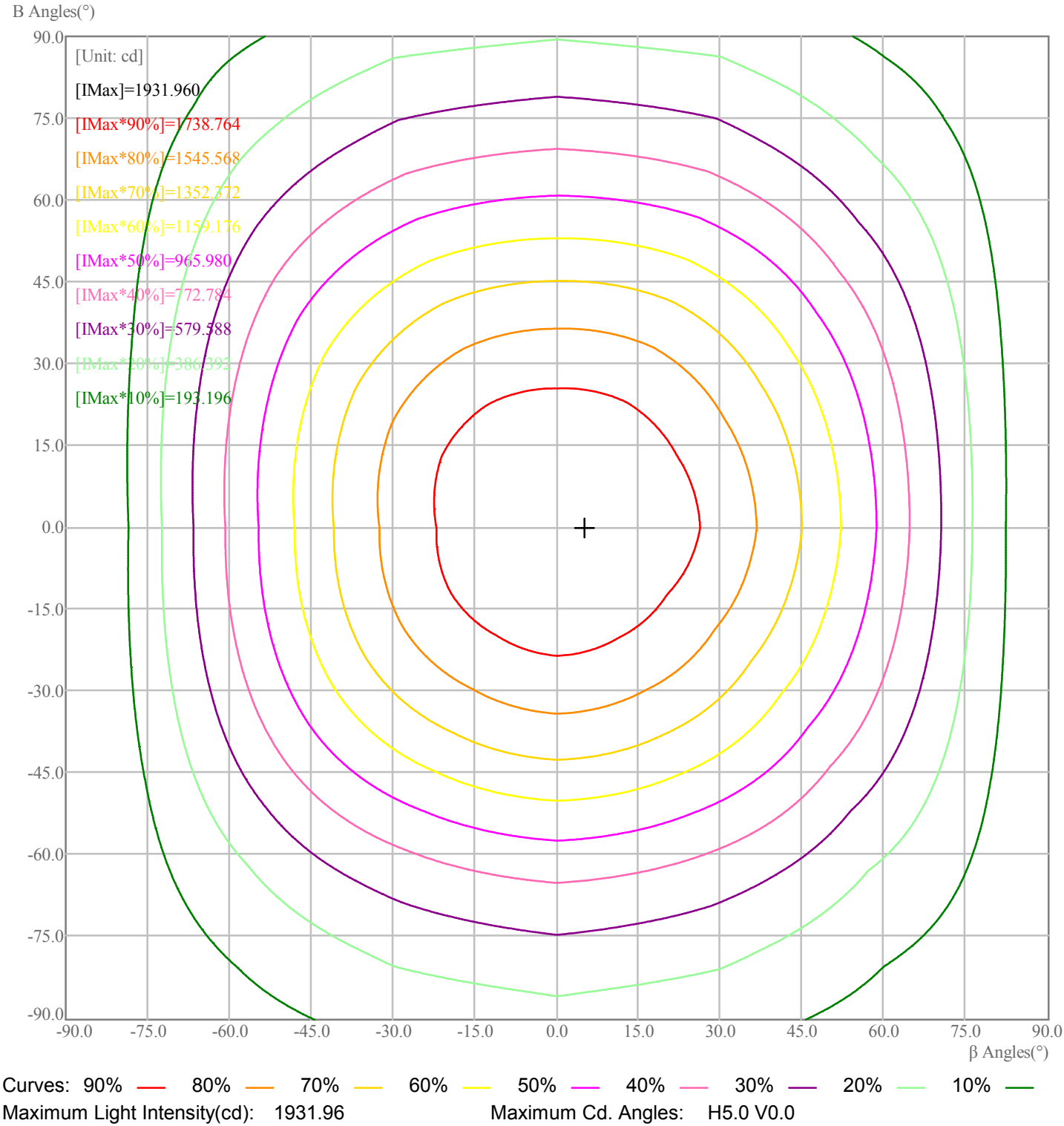
IES Indoor Report

Photometric Filename:1050mA 5500K帶罩.IES

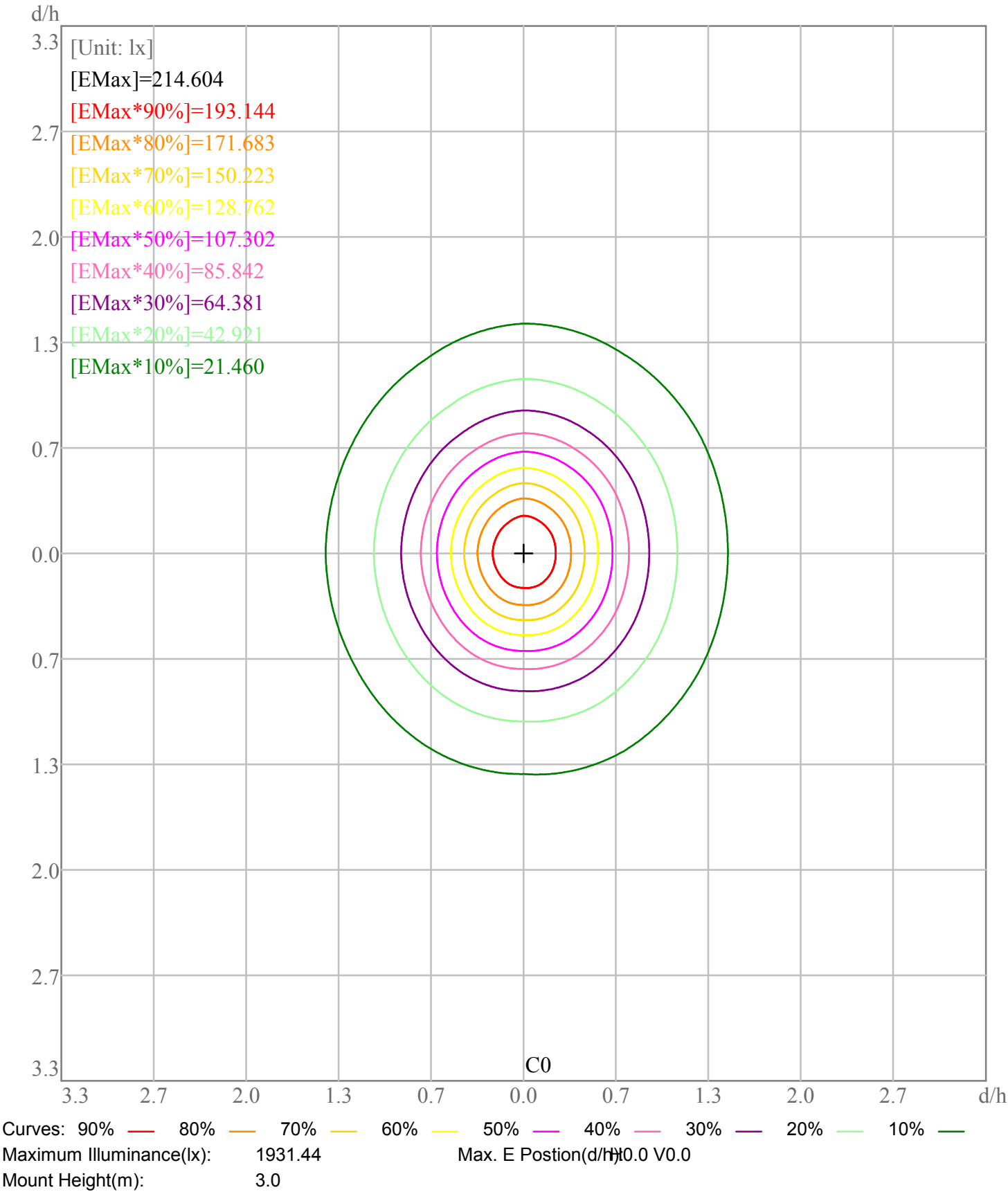
Zonal Liumens Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	46.07	46.07	0.71	0.71
5.0-10.0	136.64	182.72	2.11	2.82
10.0-15.0	222.63	405.35	3.44	6.26
15.0-20.0	301.22	706.57	4.65	10.91
20.0-25.0	369.85	1076.42	5.71	16.62
25.0-30.0	426.29	1502.71	6.58	23.20
30.0-35.0	468.81	1971.53	7.24	30.44
35.0-40.0	496.10	2467.62	7.66	38.10
40.0-45.0	507.34	2974.97	7.83	45.93
45.0-50.0	502.34	3477.31	7.76	53.69
50.0-55.0	481.74	3959.05	7.44	61.13
55.0-60.0	447.24	4406.28	6.91	68.03
60.0-65.0	401.42	4807.71	6.20	74.23
65.0-70.0	348.00	5155.71	5.37	79.60
70.0-75.0	290.93	5446.64	4.49	84.09
75.0-80.0	233.67	5680.31	3.61	87.70
80.0-85.0	179.75	5860.06	2.78	90.48
85.0-90.0	133.48	5993.53	2.06	92.54
90.0-95.0	97.68	6091.21	1.51	94.05
95.0-100.0	71.40	6162.61	1.10	95.15
100.0-105.0	52.53	6215.14	0.81	95.96
105.0-110.0	40.01	6255.15	0.62	96.58
110.0-115.0	33.12	6288.27	0.51	97.09
115.0-120.0	29.72	6317.99	0.46	97.55
120.0-125.0	27.28	6345.27	0.42	97.97
125.0-130.0	24.85	6370.12	0.38	98.35
130.0-135.0	22.33	6392.45	0.34	98.70
135.0-140.0	19.55	6411.99	0.30	99.00
140.0-145.0	16.62	6428.62	0.26	99.25
145.0-150.0	13.83	6442.45	0.21	99.47
150.0-155.0	11.26	6453.71	0.17	99.64
155.0-160.0	8.83	6462.54	0.14	99.78
160.0-165.0	6.54	6469.08	0.10	99.88
165.0-170.0	4.43	6473.51	0.07	99.95
170.0-175.0	2.55	6476.06	0.04	99.99
175.0-180.0	0.83	6476.90	0.01	100.00

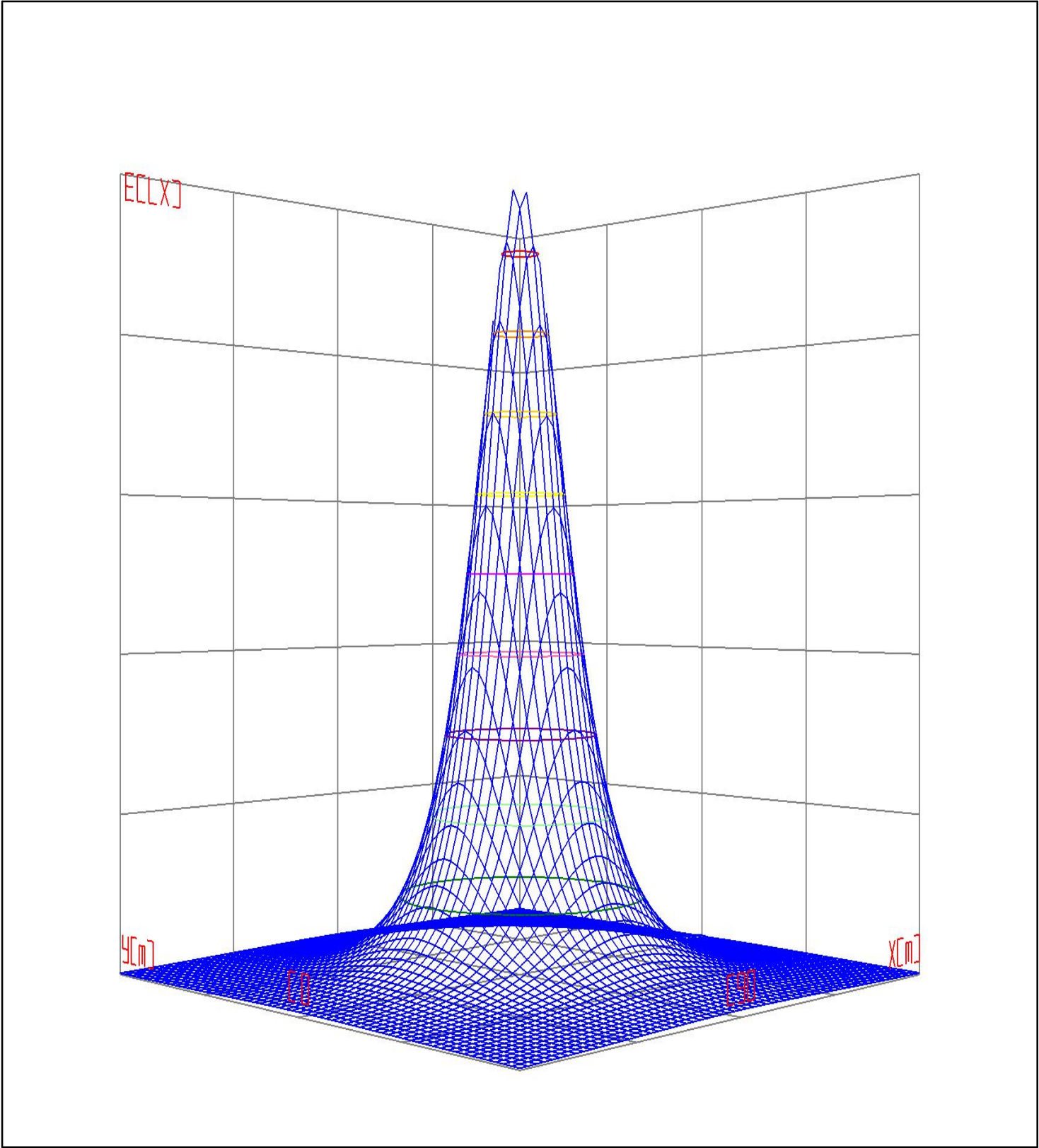
Rectangle ISO Light Intensity Curve



Plane ISO-Illuminance Curve

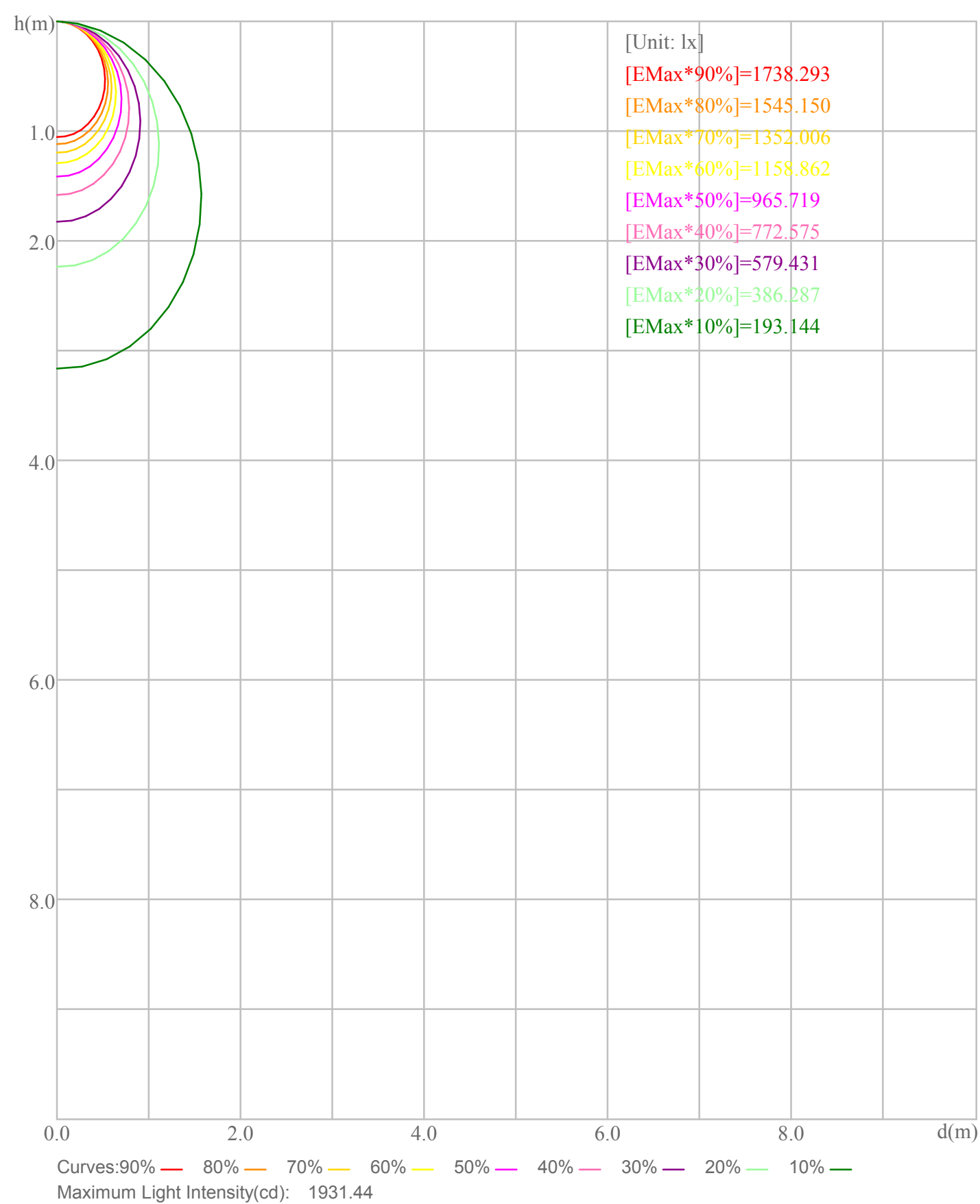


3D Plane ISO Illuminance Curve

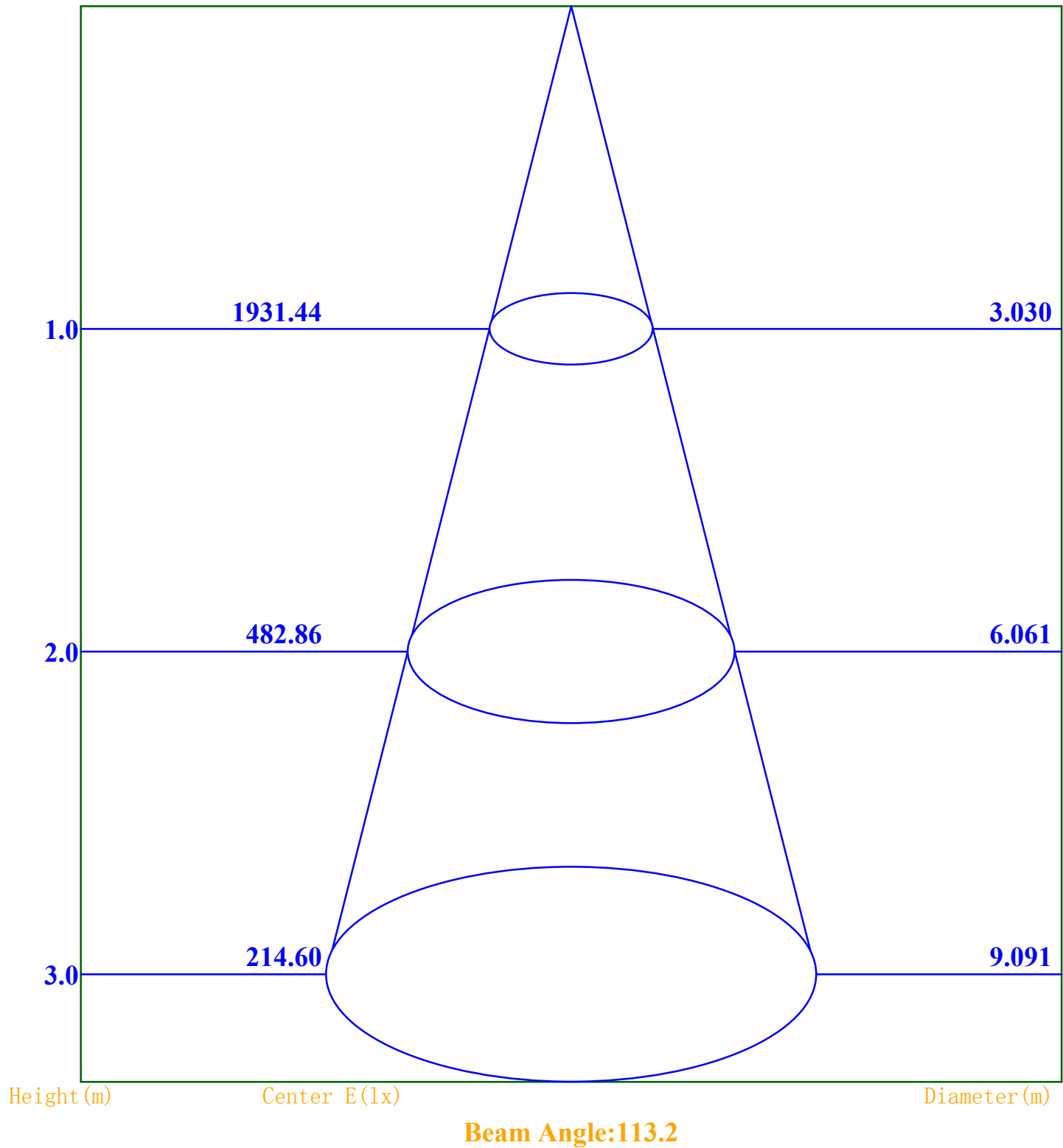


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Curve



Illuminance-Distance Curve



Indoor Luminance Limiting Curve

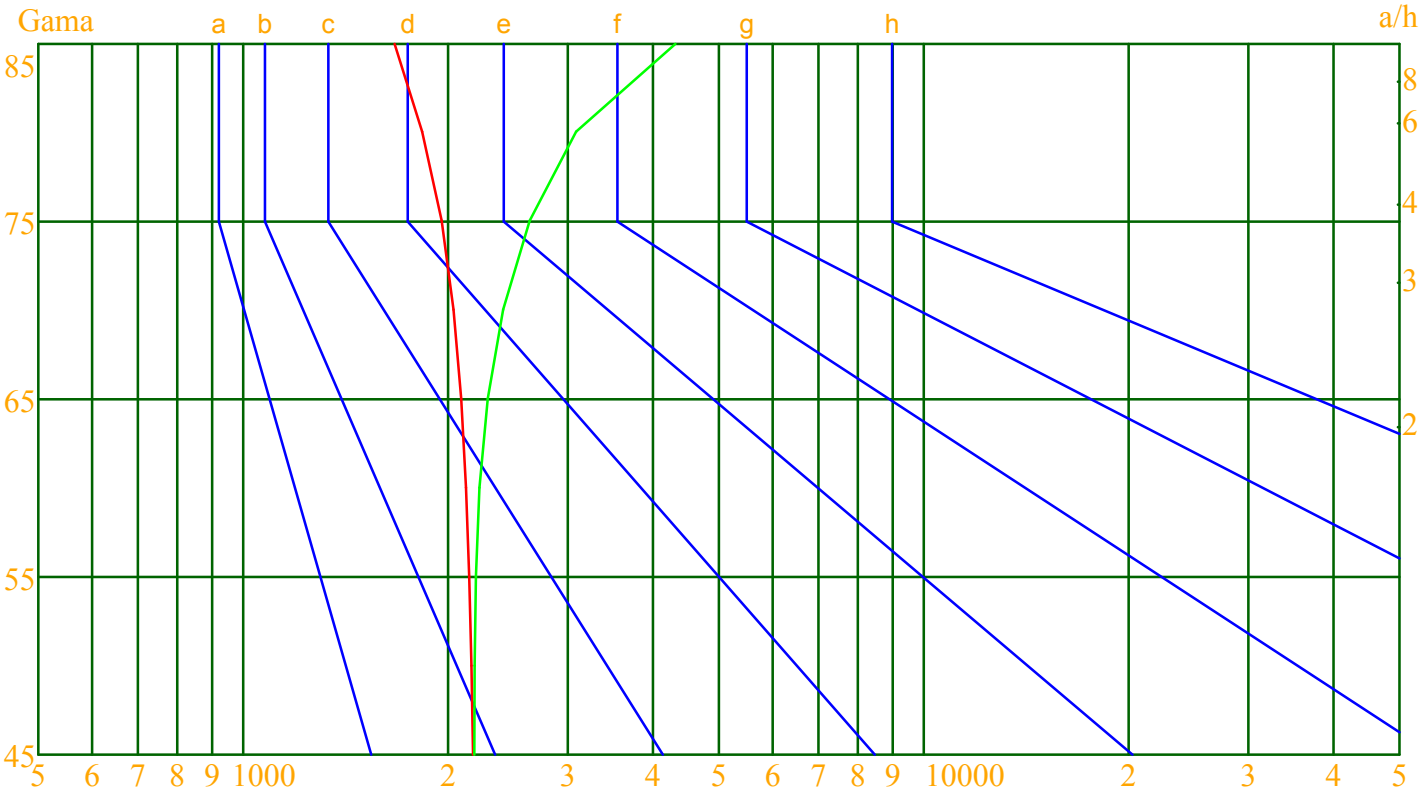
Glare Grade Table

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					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

Luminance Table

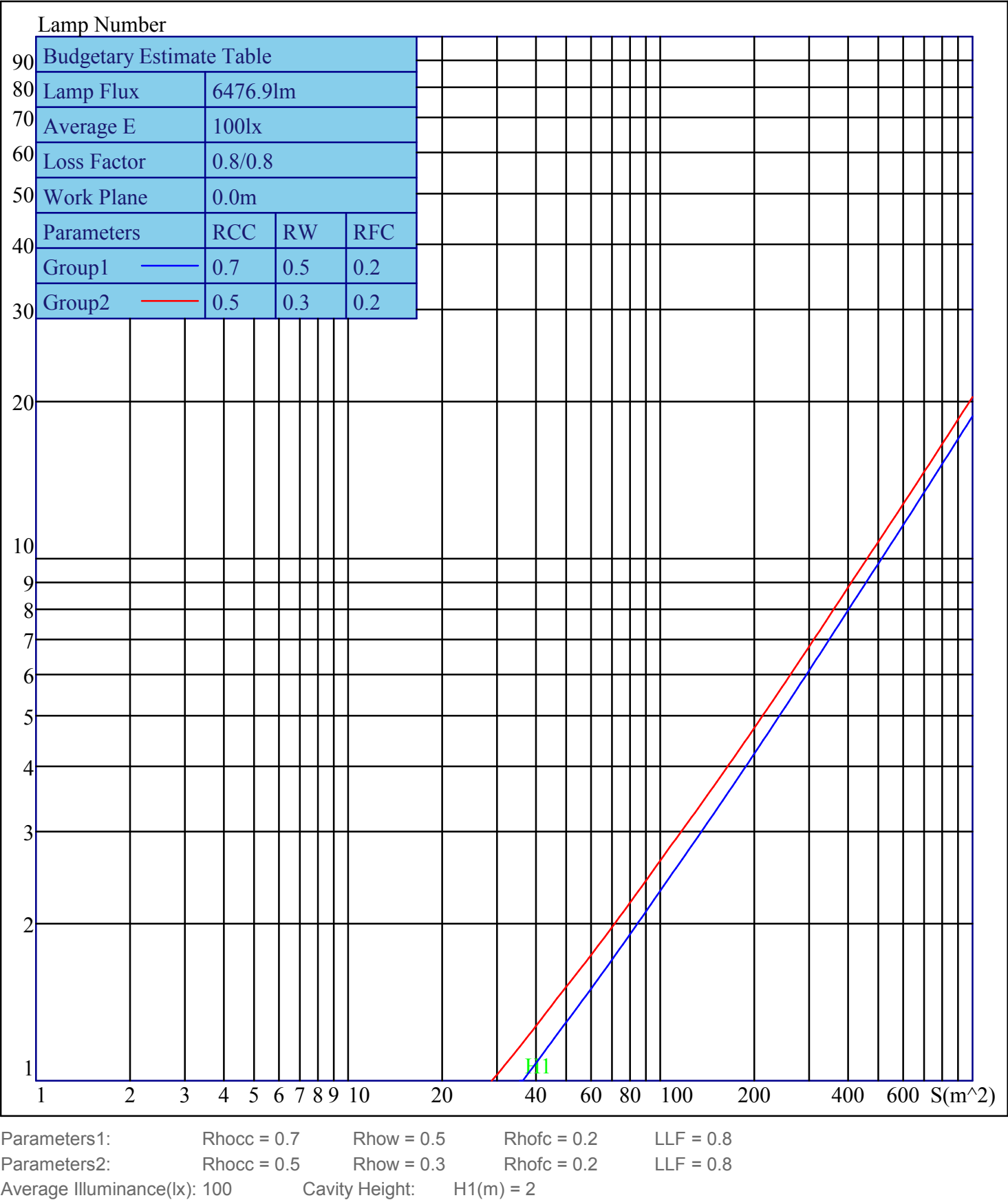
Gama(deg)	45	50	55	60	65	70	75	80	85
C0	4542	4504	4454	4381	4275	4114	3870	3507	3048
C90	4572	4578	4607	4694	4895	5289	6049	7663	12681

Luminance Limiting Curve



Luminous Size: Length(m)=1.500 Width(m)=0.210 Height(m)=0.070 Area(m^2)=0.420000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table



Indoor Coefficient of Utilization Table

Coefficients of Utilization – Zonal Cavity Method																		
Coefficient	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	94	94	94	94	91	91	91	91	85	85	85	80	80	80	76	76	76	74
1	84	80	76	73	81	78	74	71	73	70	68	69	67	64	65	63	61	59
2	76	69	63	58	73	67	62	57	63	59	55	60	56	53	56	53	51	49
3	69	60	54	48	67	59	52	47	55	50	46	52	48	44	50	46	43	41
4	63	53	46	40	61	52	45	40	49	43	39	46	42	38	44	40	36	34
5	58	48	40	35	56	46	39	34	44	38	33	42	36	32	40	35	32	30
6	54	43	35	30	52	42	35	30	40	34	29	38	32	28	36	31	28	26
7	50	39	32	27	48	38	31	26	36	30	26	34	29	25	33	28	24	23
8	46	35	28	24	45	34	28	23	33	27	23	31	26	22	30	25	22	20
9	43	32	26	21	42	32	25	21	30	25	21	29	24	20	28	23	20	18
10	40	30	23	19	39	29	23	19	28	22	19	27	22	18	26	21	18	16