

Description Information(From Photometric File)

Photometric File: 800mA 5500K帶罩.IES  
IES Format: IESNA:LM-63-1995  
[TEST] Sealite  
[DATE] 2020/06/28  
[MANUFAC] Sealite  
[LUMCAT]  
[LUMINAIRE]  
[LAMPCAT]  
[LAMP]  
[BALLASTCAT]  
[BALLAST]  
[OTHER] 1 GON-1800  
[More] Temperature:15 Humidity:40  
[More] Frequency:50.0 Voltage:229.6 Current:0.179 Power:38.1 PF:0.927

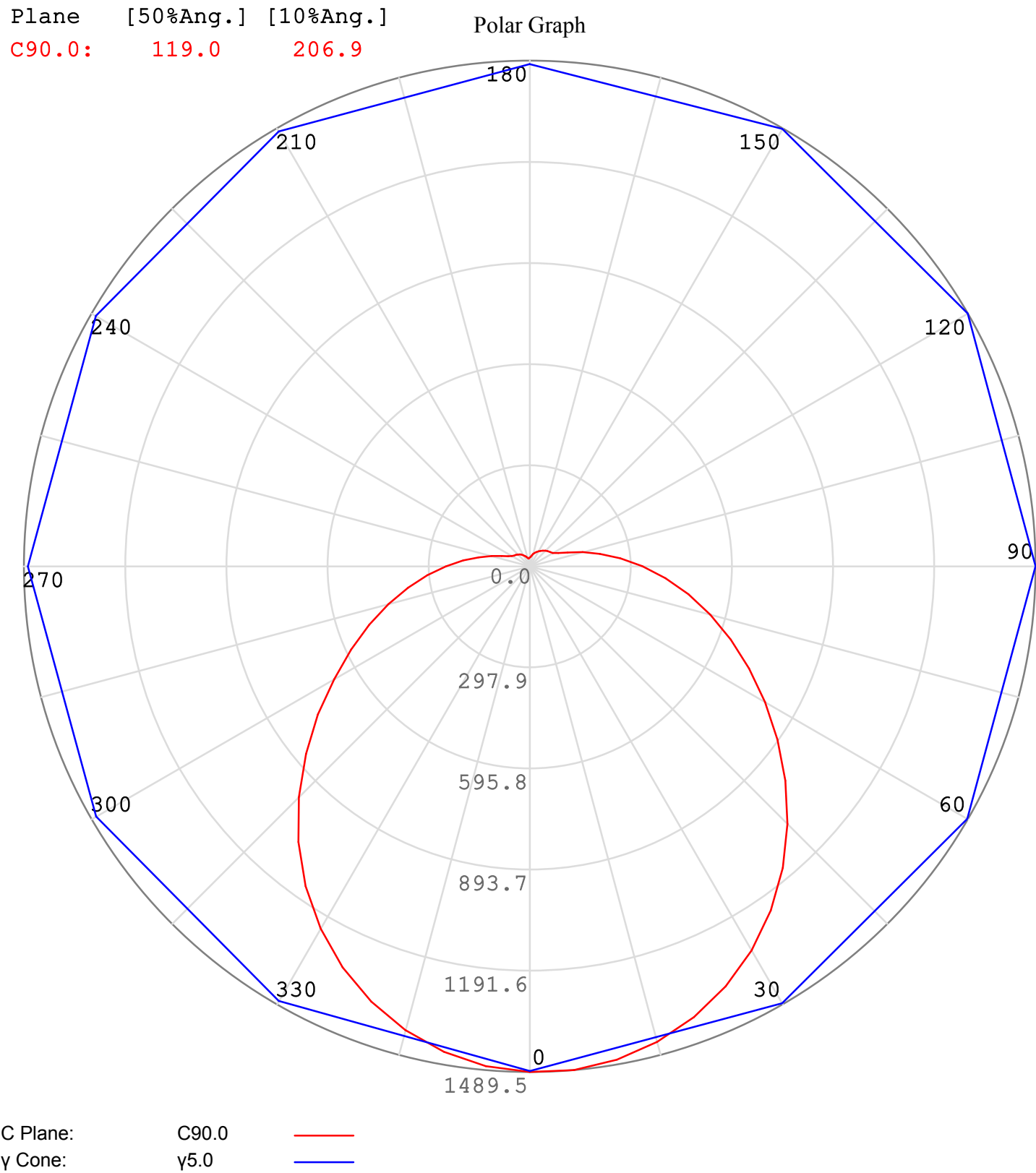
Character

Lamp Power(w):	38.1
Total Rated Lamp Lumens(lm):	6307.89
Luminair Lumens(lm):	5018.98
Total Luminair Efficacy:	79.57%
Luminaire Efficacy Rating(LER):	131.73
Maximum Intencity(cd):	1489.54
Max Cd Angle(deg):	C=90.0 γ=5.0
Downward Lumens(lm):	4641.51
Downward Total Efficiency:	92.48%
Spacing Criteria:	C0_180=0.64 C90_270=0.65
CIE Type:	Semi-Direct
Beam Angle(50%Imax):	Left=-55.8 Right=63.1
Field Angle(10%Imax):	201.9

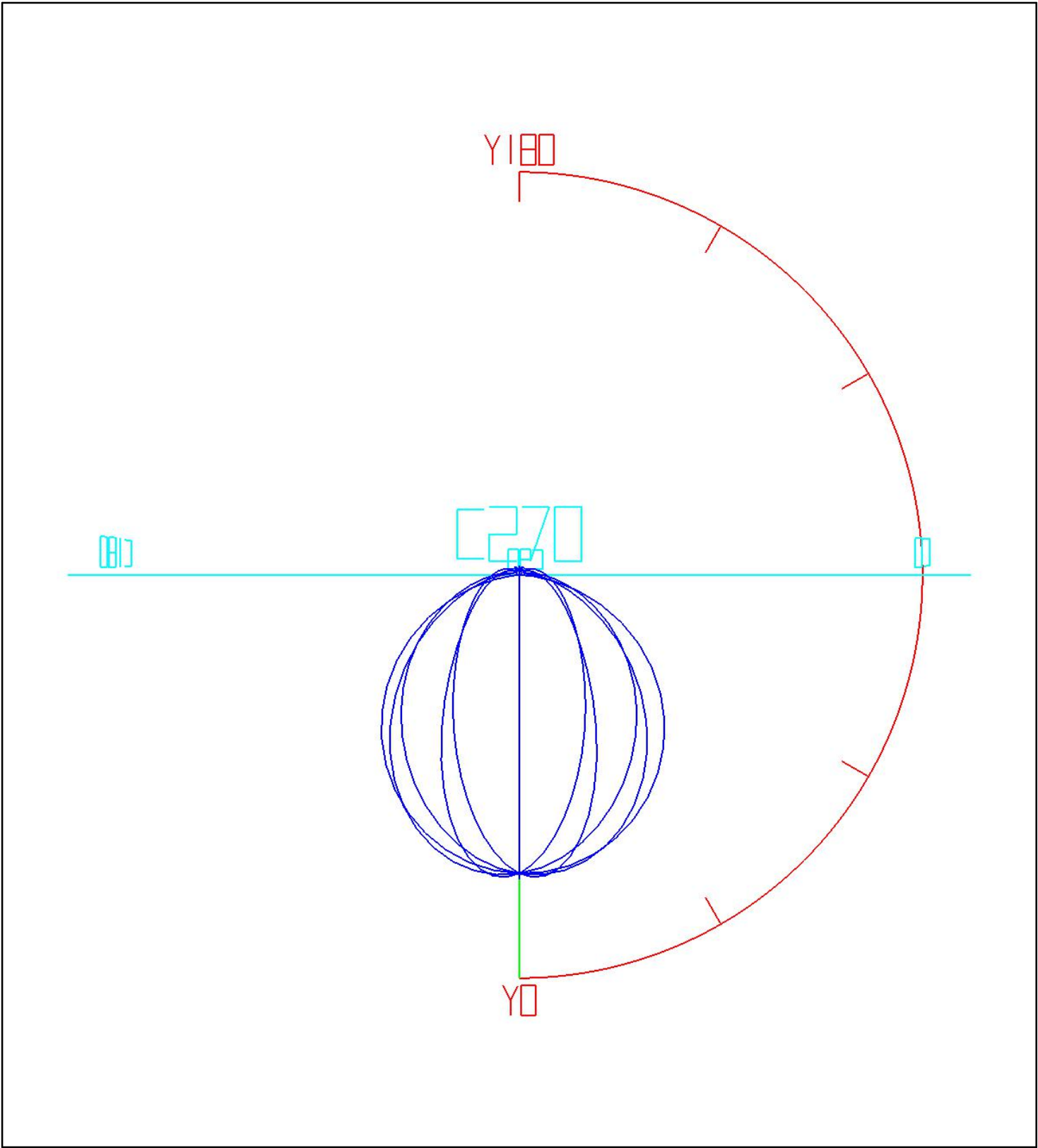
Candela Tabulation

	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>	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07	1489.07
<u>γ 5.0</u>	1486.28	1486.28	1487.52	1489.54	1488.96	1487.58	1478.66	1478.60	1474.67	1477.72	1474.46	1478.29	1486.28
<u>γ 10.0</u>	1470.46	1470.55	1474.96	1475.49	1477.17	1472.53	1455.06	1455.03	1449.10	1451.97	1447.81	1453.88	1470.46
<u>γ 15.0</u>	1441.28	1441.97	1450.04	1449.81	1452.62	1444.77	1418.85	1419.06	1411.24	1414.07	1408.71	1416.34	1441.28
<u>γ 20.0</u>	1399.53	1401.15	1413.44	1412.75	1416.64	1404.79	1370.11	1370.58	1360.98	1364.30	1357.24	1366.73	1399.53
<u>γ 25.0</u>	1345.80	1348.63	1365.36	1364.89	1368.97	1353.27	1310.07	1311.03	1299.06	1303.41	1294.25	1305.48	1345.80
<u>γ 30.0</u>	1280.70	1285.06	1306.60	1306.23	1309.97	1290.43	1239.44	1240.17	1226.25	1231.57	1220.79	1232.85	1280.70
<u>γ 35.0</u>	1204.94	1211.03	1237.59	1237.19	1240.76	1217.49	1158.53	1159.33	1143.69	1150.34	1137.27	1150.12	1204.94
<u>γ 40.0</u>	1118.73	1127.53	1158.65	1159.46	1162.12	1134.78	1068.13	1068.54	1052.44	1059.78	1044.94	1057.76	1118.73
<u>γ 45.0</u>	1023.29	1035.08	1071.29	1073.20	1075.04	1043.10	969.02	969.15	953.54	961.69	944.64	956.42	1023.29
<u>γ 50.0</u>	919.47	934.11	976.97	982.17	980.42	943.34	861.92	862.49	848.59	859.56	839.00	848.08	919.47
<u>γ 55.0</u>	807.56	826.34	879.46	890.71	883.28	836.57	747.07	749.63	742.18	761.22	731.76	732.90	807.56
<u>γ 60.0</u>	688.55	713.28	782.14	799.73	785.64	724.43	625.78	632.69	640.62	664.31	629.35	614.13	688.55
<u>γ 65.0</u>	563.02	597.48	686.27	712.14	689.84	609.12	499.44	514.12	547.08	580.22	538.08	494.70	563.02
<u>γ 70.0</u>	433.14	484.29	596.09	629.63	599.40	495.90	370.18	401.02	464.57	502.73	455.73	382.80	433.14
<u>γ 75.0</u>	302.18	378.32	511.38	550.77	514.74	389.64	242.03	301.70	388.79	430.69	380.44	285.12	302.18
<u>γ 80.0</u>	177.04	284.60	431.80	474.51	434.86	294.30	124.36	220.00	319.68	363.59	311.43	204.81	177.04
<u>γ 85.0</u>	70.72	203.99	355.98	401.17	359.64	212.52	34.65	152.60	257.63	302.42	250.19	139.76	70.72
<u>γ 90.0</u>	9.65	136.61	286.02	331.62	288.93	143.84	3.55	100.15	203.12	247.28	196.70	90.41	9.65
<u>γ 95.0</u>	4.55	85.15	222.27	267.62	225.06	90.67	5.02	61.98	154.95	196.96	149.33	55.78	4.55
<u>γ 100.0</u>	5.26	53.65	167.05	209.81	169.84	57.10	5.93	40.81	114.77	152.46	110.32	37.88	5.26
<u>γ 105.0</u>	6.38	38.39	123.17	160.87	125.54	39.48	7.57	29.98	82.06	115.88	78.77	28.60	6.38
<u>γ 110.0</u>	8.07	35.44	87.12	118.89	87.79	36.01	9.59	29.36	63.09	88.03	61.40	28.12	8.07
<u>γ 115.0</u>	9.33	35.87	70.53	92.49	70.88	36.74	10.98	29.40	53.05	70.54	51.98	28.45	9.33
<u>γ 120.0</u>	10.71	36.00	64.49	78.41	64.69	34.38	12.53	27.39	49.58	60.78	48.58	29.68	10.71
<u>γ 125.0</u>	12.23	36.19	62.26	73.29	62.87	31.55	14.68	25.60	47.94	55.47	46.75	28.89	12.23
<u>γ 130.0</u>	14.14	35.42	58.77	69.13	59.94	29.58	16.31	24.30	45.21	52.70	44.13	28.17	14.14
<u>γ 135.0</u>	15.58	35.43	55.63	64.62	55.61	30.46	17.99	24.65	40.31	49.14	42.21	27.64	15.58
<u>γ 140.0</u>	16.99	34.83	52.75	60.14	48.67	30.96	19.49	24.67	34.86	45.56	39.83	26.23	16.99
<u>γ 145.0</u>	17.99	33.65	49.59	55.57	41.89	31.09	20.71	24.66	29.89	41.75	36.87	25.17	17.99
<u>γ 150.0</u>	18.83	33.04	46.81	50.61	36.78	31.27	21.96	25.15	27.36	37.39	33.97	24.35	18.83
<u>γ 155.0</u>	19.89	32.03	43.30	46.03	34.23	31.39	22.63	23.72	26.21	33.35	30.86	23.64	19.89
<u>γ 160.0</u>	20.58	30.35	39.52	41.68	32.44	30.25	23.33	24.51	25.15	29.96	27.37	23.14	20.58
<u>γ 165.0</u>	21.73	28.72	35.51	36.83	30.74	28.81	24.83	24.29	24.77	26.44	24.78	22.71	21.73
<u>γ 170.0</u>	23.14	27.23	31.56	32.05	29.26	27.71	25.14	24.28	23.96	23.13	23.64	22.93	23.14
<u>γ 175.0</u>	23.70	25.76	28.14	27.79	27.00	26.40	25.32	24.68	24.52	23.49	23.87	23.63	23.70
<u>γ 180.0</u>	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29

2D Light Intensity Distribution Curve



3D Light Intensity Distribution Curve



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

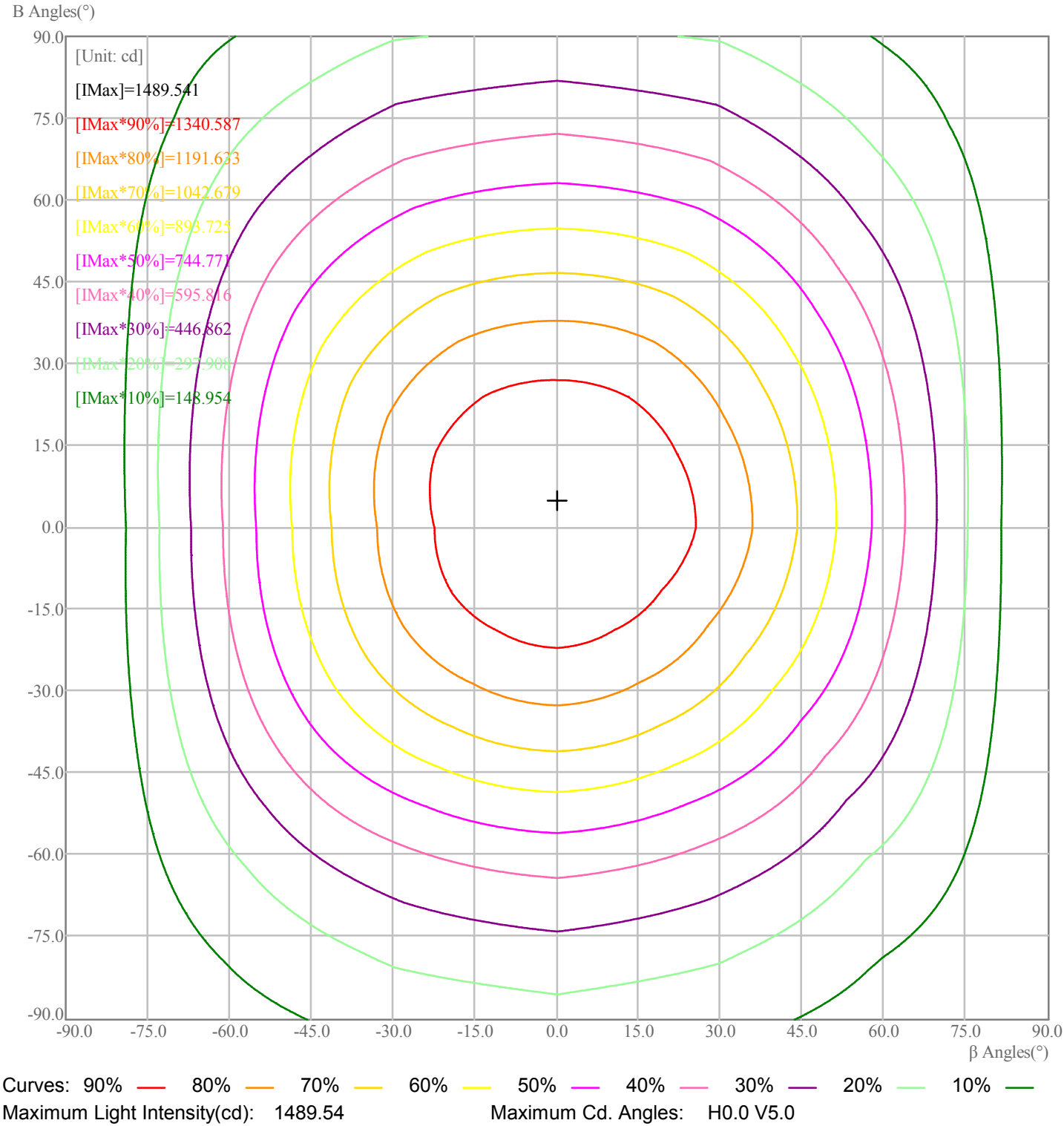
IES Indoor Report

Photometric Filename:800mA 5500K帶罩.IES

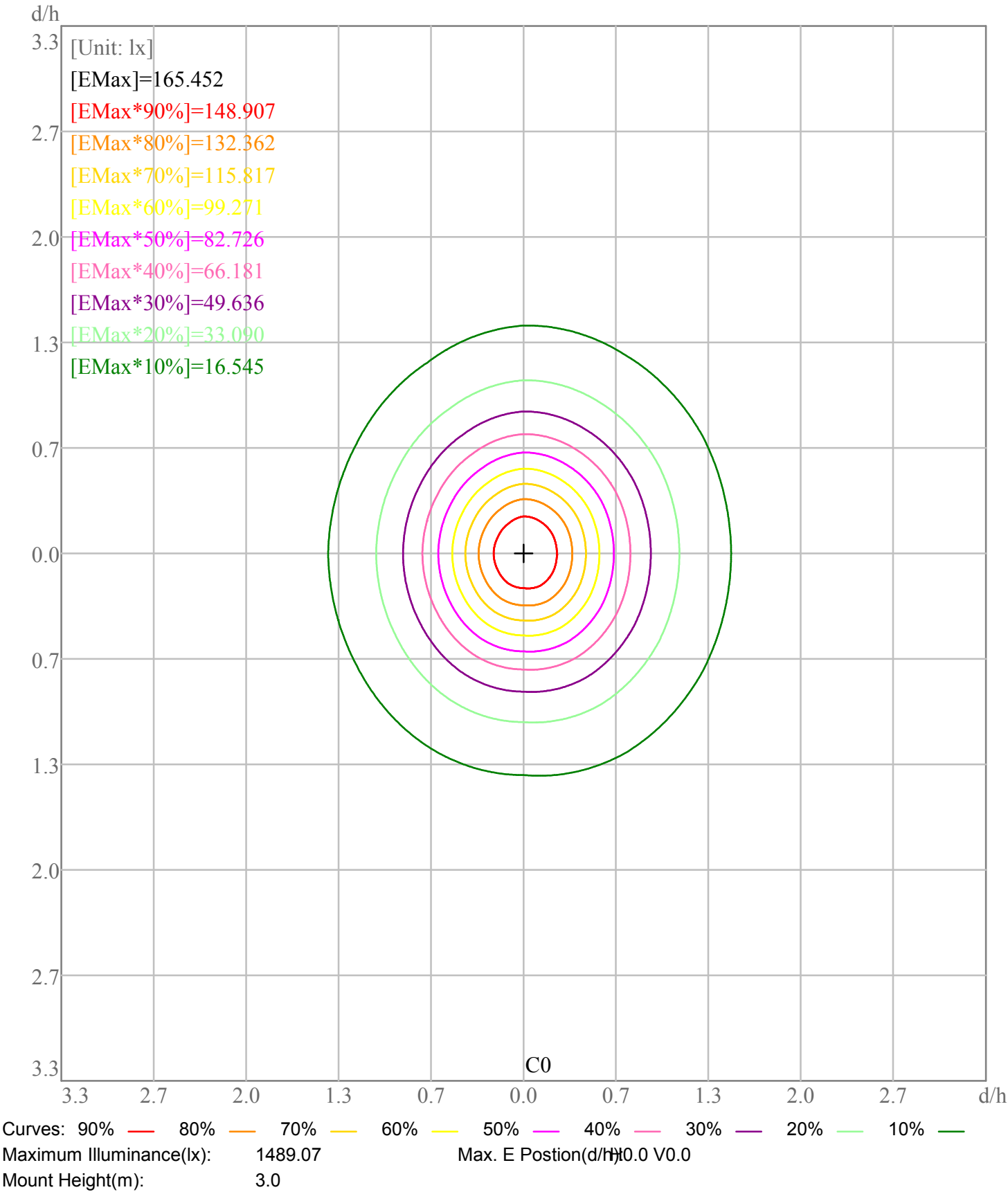
Zonal Liumens Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	35.52	35.52	0.71	0.71
5.0-10.0	105.36	140.88	2.10	2.81
10.0-15.0	171.64	312.53	3.42	6.23
15.0-20.0	232.18	544.71	4.63	10.85
20.0-25.0	285.00	829.71	5.68	16.53
25.0-30.0	328.40	1158.11	6.54	23.07
30.0-35.0	361.00	1519.12	7.19	30.27
35.0-40.0	381.81	1900.92	7.61	37.87
40.0-45.0	390.19	2291.12	7.77	45.65
45.0-50.0	386.14	2677.26	7.69	53.34
50.0-55.0	370.45	3047.71	7.38	60.72
55.0-60.0	344.59	3392.30	6.87	67.59
60.0-65.0	310.61	3702.90	6.19	73.78
65.0-70.0	271.08	3973.98	5.40	79.18
70.0-75.0	228.52	4202.50	4.55	83.73
75.0-80.0	185.44	4387.95	3.69	87.43
80.0-85.0	144.52	4532.46	2.88	90.31
85.0-90.0	109.05	4641.51	2.17	92.48
90.0-95.0	81.17	4722.68	1.62	94.10
95.0-100.0	59.87	4782.55	1.19	95.29
100.0-105.0	43.74	4826.29	0.87	96.16
105.0-110.0	32.45	4858.73	0.65	96.81
110.0-115.0	25.60	4884.33	0.51	97.32
115.0-120.0	21.83	4906.16	0.43	97.75
120.0-125.0	19.55	4925.71	0.39	98.14
125.0-130.0	17.68	4943.39	0.35	98.49
130.0-135.0	15.78	4959.17	0.31	98.81
135.0-140.0	13.80	4972.96	0.27	99.08
140.0-145.0	11.73	4984.70	0.23	99.32
145.0-150.0	9.77	4994.47	0.19	99.51
150.0-155.0	7.96	5002.43	0.16	99.67
155.0-160.0	6.25	5008.68	0.12	99.79
160.0-165.0	4.66	5013.34	0.09	99.89
165.0-170.0	3.18	5016.53	0.06	99.95
170.0-175.0	1.84	5018.37	0.04	99.99
175.0-180.0	0.61	5018.98	0.01	100.00

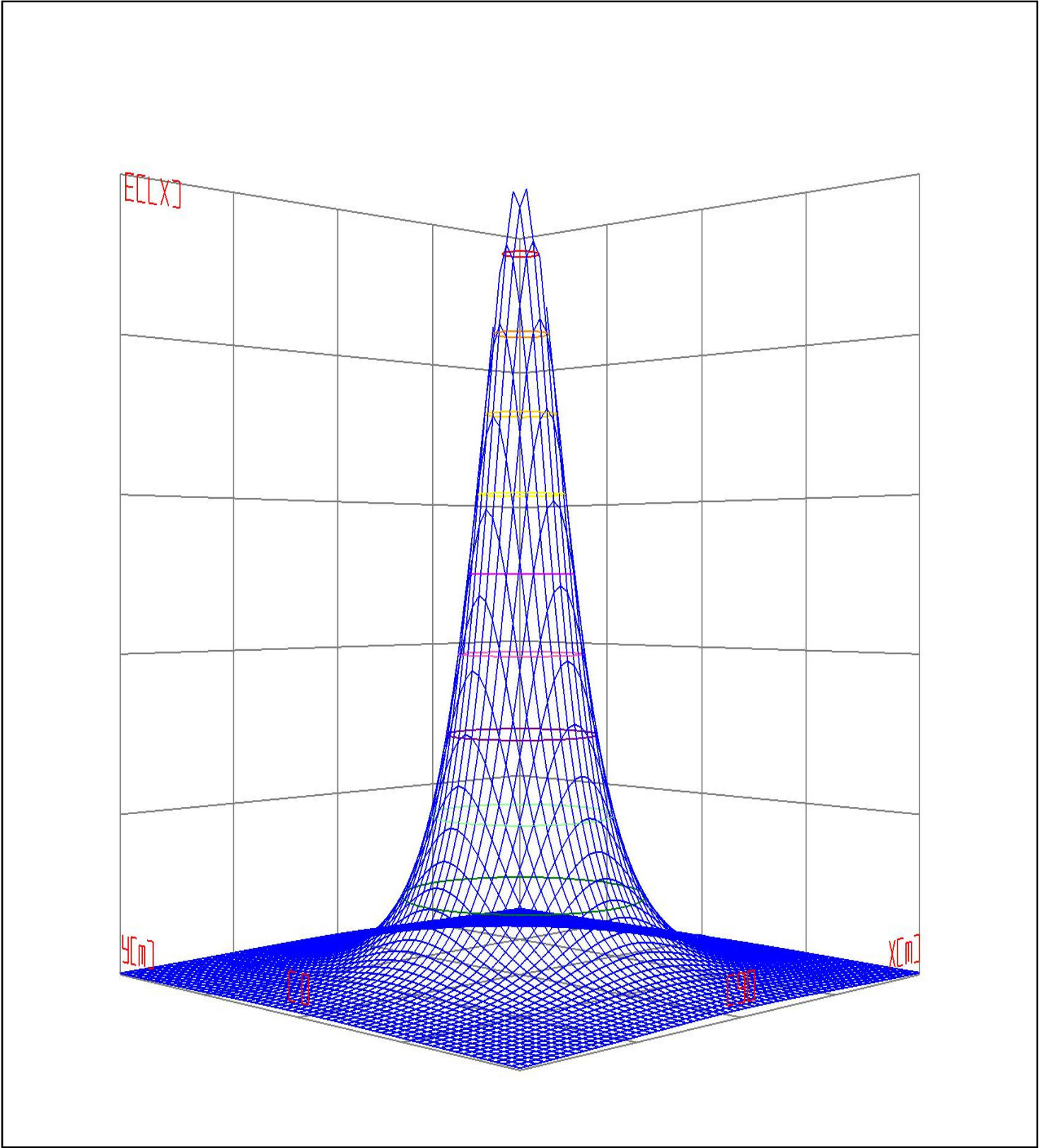
Rectangle ISO Light Intensity Curve



Plane ISO-Illuminance Curve



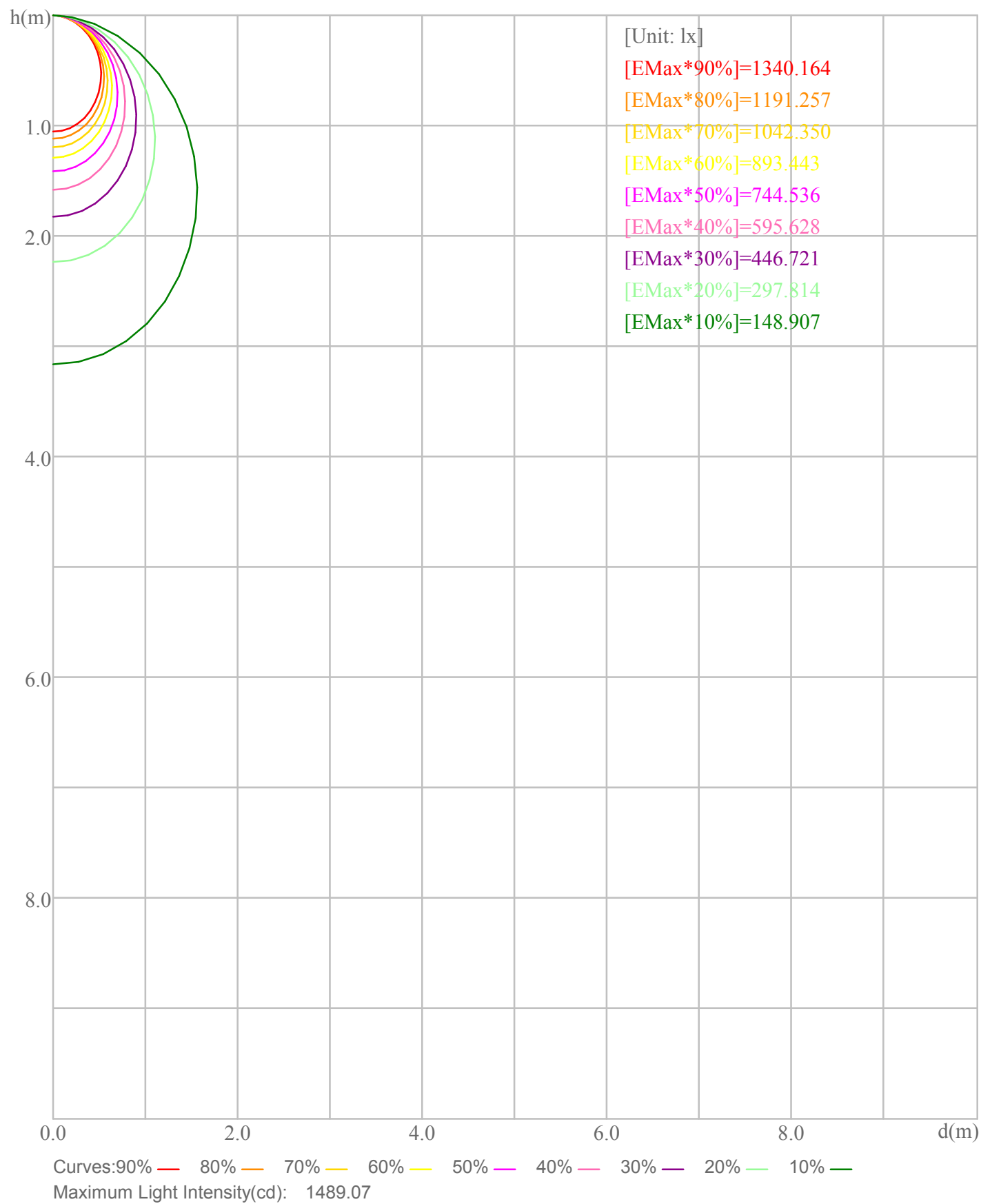
3D Plane ISO Illuminance Curve



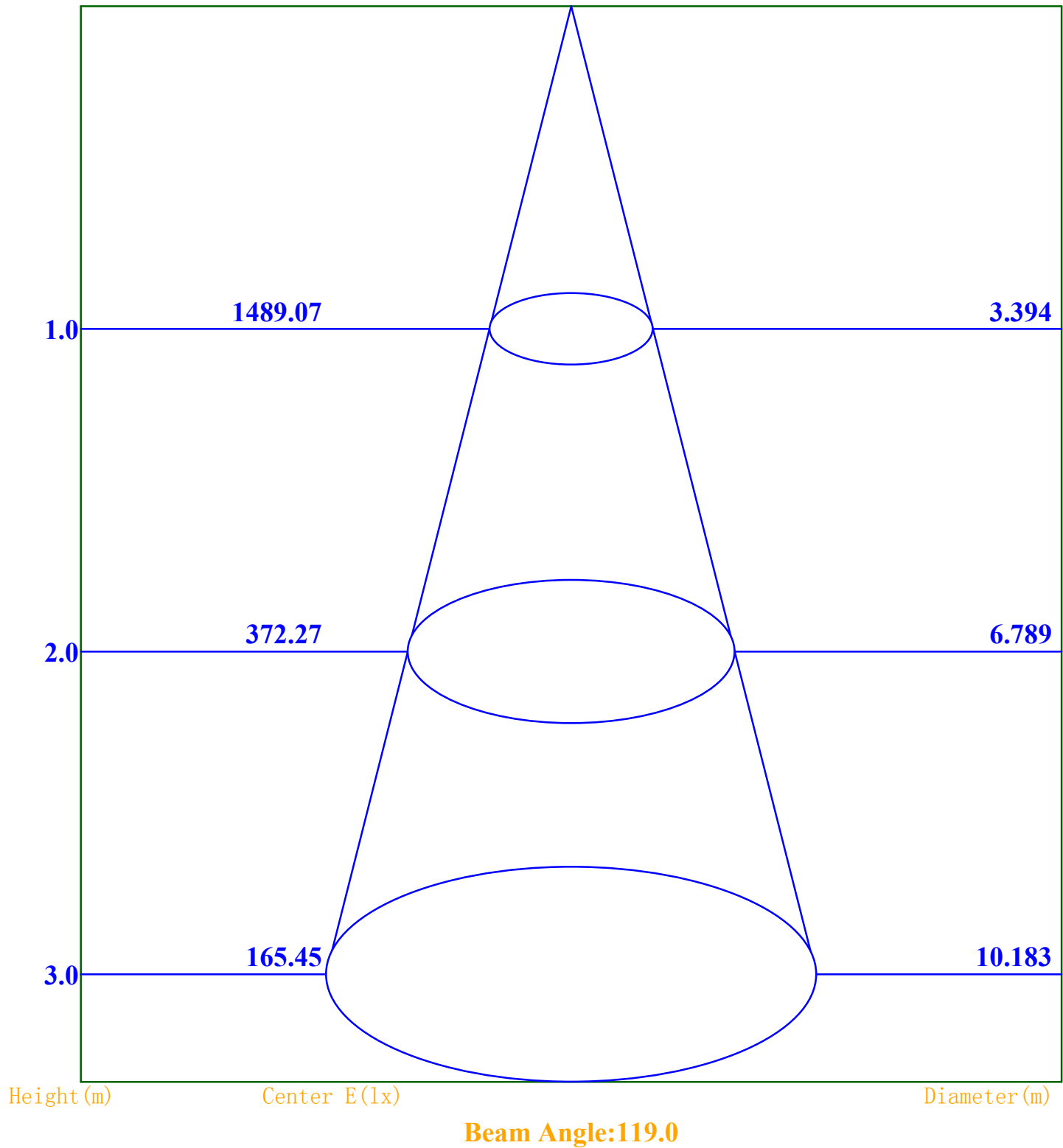
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0      Height(m): 3.0      Distance(m): 10.0



Space ISO Illuminance Curve



Illuminance-Distance Curve



Indoor Luminance Limiting Curve

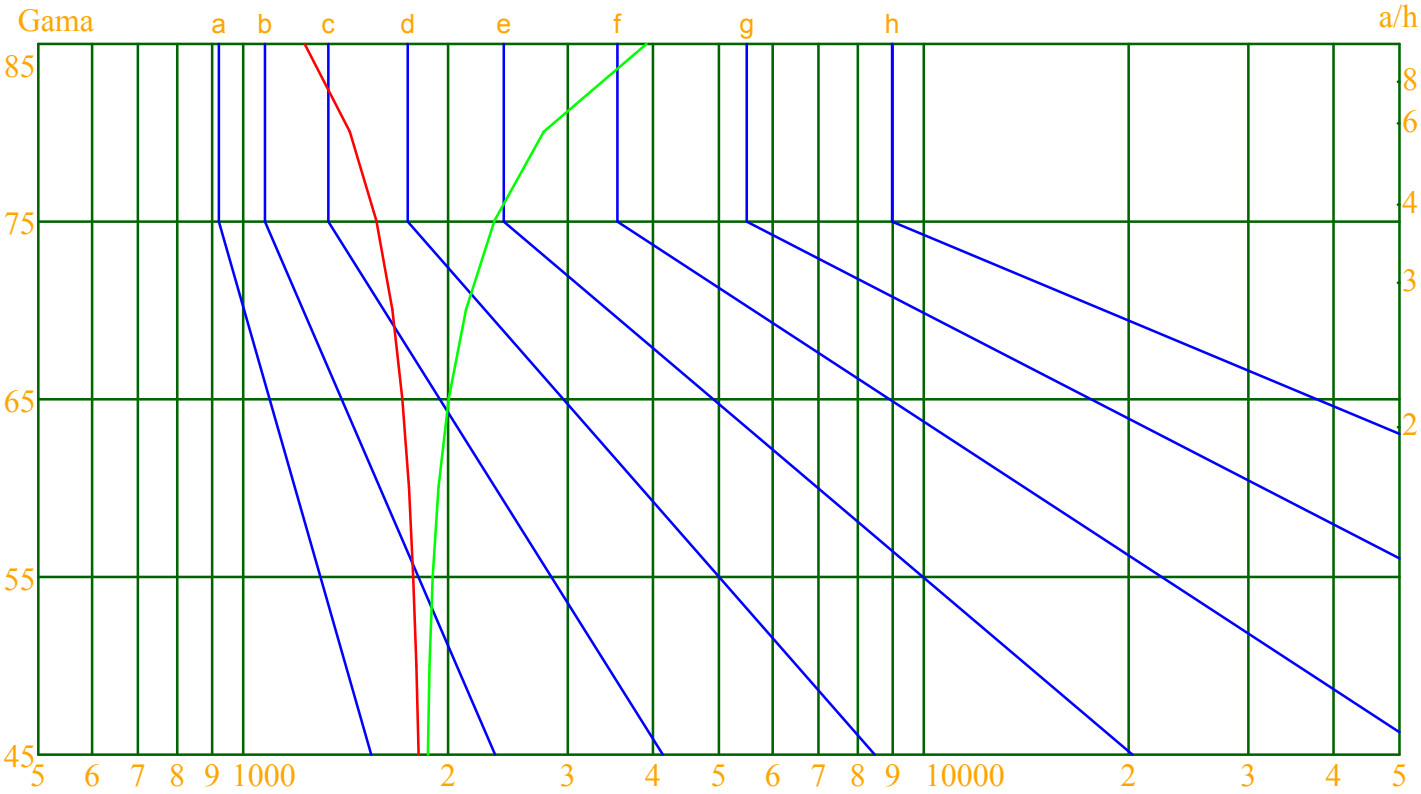
Glare Grade Table

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

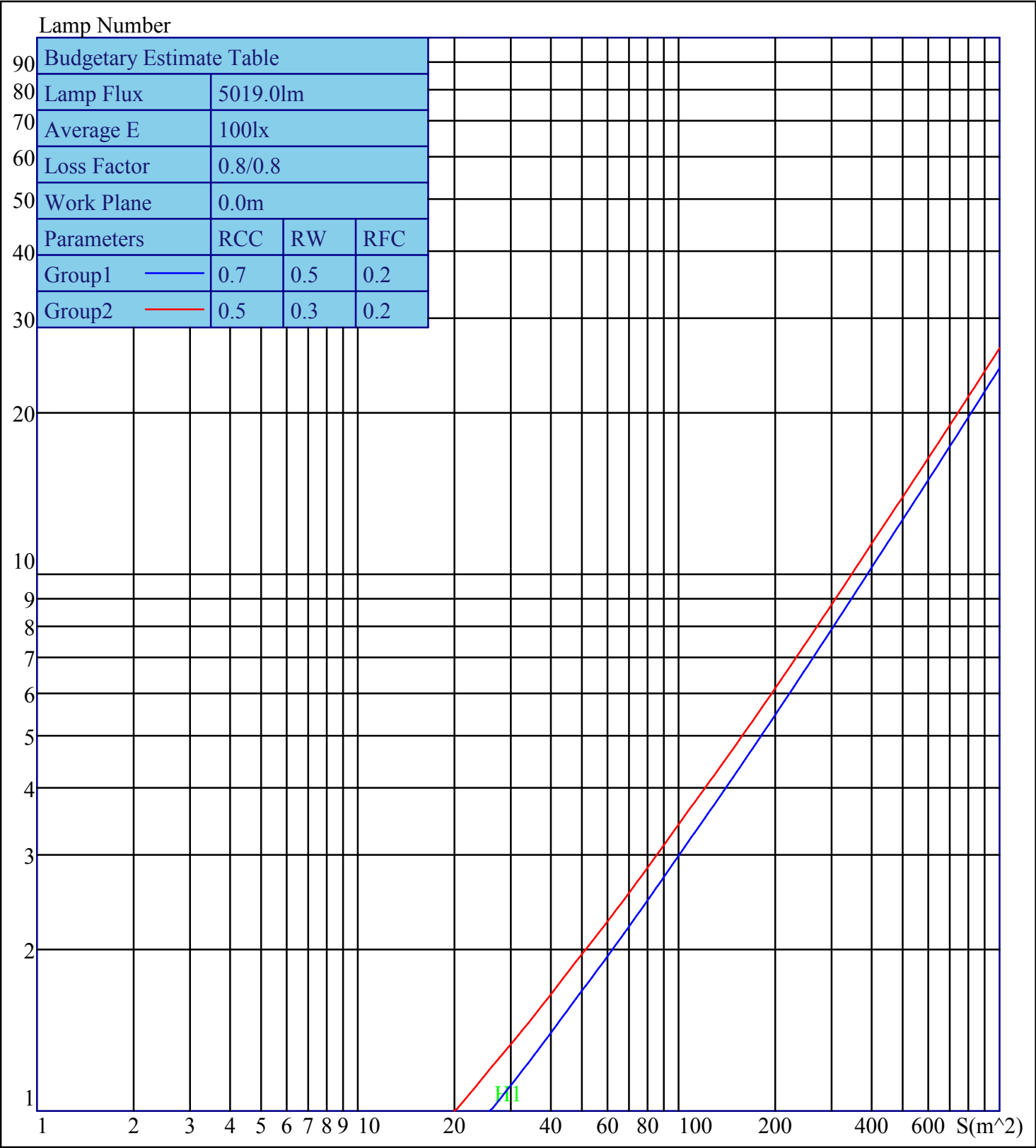
Gama(deg)	45	50	55	60	65	70	75	80	85
C0	3446	3406	3352	3279	3172	3015	2780	2427	1932
C90	3614	3638	3697	3808	4012	4383	5067	6506	10959

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	93	93	93	93	90	90	90	90	85	85	85	80	80	80	76	76	76	74
1	84	80	76	72	81	77	74	70	73	70	67	68	66	64	65	63	61	59
2	76	69	63	58	73	67	61	57	63	58	55	59	56	52	56	53	50	48
3	69	60	53	48	66	58	52	47	55	50	45	52	48	44	49	45	42	40
4	63	53	46	40	61	52	45	40	49	43	38	46	41	37	44	40	36	34
5	58	47	40	34	56	46	39	34	44	38	33	41	36	32	39	35	31	29
6	53	42	35	30	51	41	35	30	39	33	29	37	32	28	36	31	27	26
7	49	38	31	26	48	38	31	26	36	30	25	34	29	25	32	28	24	23
8	46	35	28	23	44	34	28	23	33	27	23	31	26	22	30	25	22	20
9	43	32	25	21	41	31	25	21	30	24	20	29	24	20	28	23	20	18
10	40	30	23	19	39	29	23	19	28	22	18	27	22	18	26	21	18	16