

IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

Description Information(From Photometric File)

Photometric File: YNT01910 LD-P20-30K-8D.IES

IES Format: IESNA:LM-63-2002

[TEST] YS

[TESTLAB] YS

[ISSUE DATE] 2017/07/15

[MANUFAC] 宁波宜升光电科技有限公司

[LUMCAT] 1

[LUMINAIRE] 球泡

[LAMPCAT] LED

[LAMP]

[BALLASTCAT]

[BALLAST]

[OTHER] YS02556GON-1800

[MORE] Temperature:25, Humidity:40

[More] Frequency:50.0 Voltage:229.8 Current:0.062 Power:7.1 PF:0.504

Character

Lamp Power (w):	7.1
Total Rated Lamp Lumens (lm):	509.99
Luminair Lumens (lm):	509.99
Total Luminair Efficiency:	100.00%
Luminaire Efficacy Rating (LER):	71.83
Maximum Intensity (cd):	764.05
Max Cd Angle (deg):	C=0.0 γ =1.0
Downward Lumens (lm):	509.69
Downward Total Efficiency:	99.94%
Spacing Criteria:	C0_180=0.31 C90_270=0.32
CIE Type:	Semi-Direct
Beam Angle (50%Imax):	Left=-22.3 Right=19.7
Field Angle (10%Imax):	82.0
ErP ϕ use (90deg):	453.35lm

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Candela Tabulation

	<u>C0.0</u>	<u>C30.0</u>	<u>C60.0</u>	<u>C90.0</u>	<u>C120.0</u>	<u>C150.0</u>	<u>C180.0</u>
<u>Y0.0</u>	726.01	726.01	726.01	726.01	726.01	726.01	726.01
<u>Y1.0</u>	764.05	731.07	729.87	713.00	712.03	700.92	699.67
<u>Y2.0</u>	757.60	723.33	721.01	705.28	705.78	692.94	689.38
<u>Y3.0</u>	751.80	713.18	712.74	696.40	699.37	683.48	678.68
<u>Y4.0</u>	746.15	703.09	702.93	690.42	693.38	677.16	670.74
<u>Y5.0</u>	739.29	688.26	690.45	683.15	690.74	673.14	663.88
<u>Y6.0</u>	728.05	670.51	677.02	674.19	687.03	670.25	660.24
<u>Y7.0</u>	712.37	649.87	660.04	662.70	685.32	667.49	655.55
<u>Y8.0</u>	691.55	626.14	640.29	648.95	682.21	664.38	648.80
<u>Y9.0</u>	670.32	602.77	617.03	632.59	675.65	660.19	638.02
<u>Y10.0</u>	645.36	579.05	593.36	612.84	667.67	652.77	623.46
<u>Y11.0</u>	615.72	558.32	571.72	592.69	654.94	643.18	609.67
<u>Y12.0</u>	587.49	537.90	550.38	570.04	637.75	628.09	591.66
<u>Y13.0</u>	558.46	516.63	528.67	545.65	616.05	609.80	570.88
<u>Y14.0</u>	530.72	494.70	508.63	523.04	588.33	586.32	552.24
<u>Y15.0</u>	503.24	470.44	487.07	499.74	560.21	558.84	532.53
<u>Y16.0</u>	476.09	445.90	464.84	473.88	532.96	531.96	516.04
<u>Y17.0</u>	448.84	422.22	442.15	446.85	502.44	505.97	500.52
<u>Y18.0</u>	420.17	398.95	418.71	420.86	471.39	477.88	481.27
<u>Y19.0</u>	396.14	376.63	394.95	396.69	441.04	449.57	458.17
<u>Y20.0</u>	376.08	357.52	373.46	375.81	414.01	422.64	433.94
<u>Y21.0</u>	355.93	338.82	352.47	355.42	390.89	397.76	409.14
<u>Y22.0</u>	337.96	320.98	333.05	336.38	369.23	376.59	387.83
<u>Y23.0</u>	319.39	304.29	315.84	318.63	349.17	356.21	366.67
<u>Y24.0</u>	301.44	287.70	299.14	302.03	329.67	336.37	347.35
<u>Y25.0</u>	283.25	270.85	284.06	285.07	311.36	316.29	328.07
<u>Y26.0</u>	264.11	254.50	268.57	269.23	294.21	296.27	308.00
<u>Y27.0</u>	244.85	236.40	251.40	252.52	277.19	278.41	288.67
<u>Y28.0</u>	227.08	219.69	234.33	237.06	259.14	261.41	268.83
<u>Y29.0</u>	209.99	203.05	217.50	221.70	242.49	243.53	249.96
<u>Y30.0</u>	193.36	185.82	200.51	205.16	225.10	227.11	231.58
<u>Y31.0</u>	177.99	170.83	185.05	189.88	208.63	210.64	213.35
<u>Y32.0</u>	162.34	156.25	169.10	174.57	193.63	194.29	196.69
<u>Y33.0</u>	149.18	143.10	155.52	160.04	178.68	180.05	181.84
<u>Y34.0</u>	136.95	131.84	143.18	146.73	164.52	165.36	166.80
<u>Y35.0</u>	124.45	120.76	130.40	134.21	151.59	151.48	153.30
<u>Y36.0</u>	113.67	109.96	119.60	122.13	138.23	139.09	140.77
<u>Y37.0</u>	103.44	100.76	109.49	112.00	126.86	127.28	128.90
<u>Y38.0</u>	93.55	91.59	99.14	101.60	116.17	116.12	118.12
<u>Y39.0</u>	86.70	83.82	91.14	91.30	105.85	106.14	108.84
<u>Y40.0</u>	78.19	76.76	83.77	82.95	98.04	95.71	99.72
<u>Y41.0</u>	71.16	69.95	76.71	75.09	89.12	87.15	91.30
<u>Y42.0</u>	65.54	63.84	69.98	67.64	80.81	79.09	82.48
<u>Y43.0</u>	59.32	58.89	62.92	62.00	73.56	71.05	74.04
<u>Y44.0</u>	54.15	53.40	56.94	55.87	65.57	64.82	67.81
<u>Y45.0</u>	49.80	49.53	52.50	51.04	59.95	58.79	61.15
<u>Y46.0</u>	45.33	45.64	47.97	47.09	54.93	52.62	55.56

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Candela Tabulation - (Cont.)

	<u>C0.0</u>	<u>C30.0</u>	<u>C60.0</u>	<u>C90.0</u>	<u>C120.0</u>	<u>C150.0</u>	<u>C180.0</u>
<u>Y 47.0</u>	41.84	41.21	44.47	42.51	49.70	48.20	50.84
<u>Y 48.0</u>	38.52	38.47	40.90	38.94	46.21	43.28	45.47
<u>Y 49.0</u>	35.01	35.13	37.06	36.00	41.64	39.19	41.48
<u>Y 50.0</u>	32.74	32.15	34.62	32.72	37.86	36.08	37.96
<u>Y 51.0</u>	30.16	30.27	31.85	30.03	35.16	32.39	33.86
<u>Y 52.0</u>	27.60	27.62	29.03	27.96	31.58	29.55	31.00
<u>Y 53.0</u>	26.17	25.53	27.36	25.25	29.17	27.25	28.27
<u>Y 54.0</u>	24.09	24.17	24.96	23.60	27.22	24.67	25.44
<u>Y 55.0</u>	22.31	22.17	23.14	22.49	24.41	22.79	23.46
<u>Y 56.0</u>	21.37	20.75	21.95	20.41	22.95	21.47	21.72
<u>Y 57.0</u>	19.40	19.82	19.84	19.55	21.23	19.38	19.65
<u>Y 58.0</u>	18.45	18.27	19.24	18.48	19.46	18.40	18.92
<u>Y 59.0</u>	17.70	17.08	17.91	16.66	18.56	17.42	17.62
<u>Y 60.0</u>	16.01	16.42	16.30	15.92	17.16	15.70	15.89
<u>Y 61.0</u>	15.66	14.69	15.83	14.76	15.99	15.27	15.40
<u>Y 62.0</u>	14.40	14.14	14.14	13.34	15.52	13.90	13.94
<u>Y 63.0</u>	12.81	13.09	13.24	12.76	14.21	12.78	12.88
<u>Y 64.0</u>	12.40	11.38	12.64	11.87	13.20	12.48	12.60
<u>Y 65.0</u>	10.76	11.00	10.89	10.49	12.48	11.18	11.40
<u>Y 66.0</u>	10.40	9.74	10.51	10.23	10.92	10.33	10.52
<u>Y 67.0</u>	9.69	8.62	9.65	9.27	10.27	9.95	10.08
<u>Y 68.0</u>	8.23	8.44	8.21	7.96	9.73	8.78	9.06
<u>Y 69.0</u>	8.10	7.36	8.14	7.92	8.28	8.04	8.16
<u>Y 70.0</u>	6.93	6.54	6.88	6.81	8.23	7.65	8.00
<u>Y 71.0</u>	6.12	6.36	6.14	5.95	7.46	6.62	7.11
<u>Y 72.0</u>	6.18	5.47	6.18	6.06	6.31	5.98	6.10
<u>Y 73.0</u>	4.97	4.83	4.92	5.06	6.34	5.76	6.07
<u>Y 74.0</u>	4.95	4.91	4.88	4.59	5.14	4.60	4.96
<u>Y 75.0</u>	4.79	4.27	4.65	4.56	4.60	4.33	4.39
<u>Y 76.0</u>	3.79	3.85	3.58	3.80	4.79	4.33	4.51
<u>Y 77.0</u>	3.96	3.94	3.93	3.35	3.70	3.33	3.70
<u>Y 78.0</u>	3.35	2.93	3.32	3.39	3.85	3.58	3.44
<u>Y 79.0</u>	2.70	3.08	3.02	2.39	3.57	2.94	3.49
<u>Y 80.0</u>	2.96	2.74	3.11	2.29	3.02	2.40	2.88
<u>Y 81.0</u>	1.97	1.71	2.18	2.40	3.19	2.67	2.50
<u>Y 82.0</u>	1.85	1.87	2.01	1.42	2.66	2.12	2.69
<u>Y 83.0</u>	1.48	1.07	1.87	1.70	2.11	1.73	1.76
<u>Y 84.0</u>	0.49	0.26	0.99	1.39	2.12	1.82	1.51
<u>Y 85.0</u>	0.48	0.45	0.76	0.39	1.43	1.20	1.78
<u>Y 86.0</u>	0.10	0.00	0.39	0.52	0.88	0.72	0.89
<u>Y 87.0</u>	0.00	0.00	0.00	0.05	0.80	0.81	0.82
<u>Y 88.0</u>	0.06	0.02	0.01	0.00	0.06	0.10	0.73
<u>Y 89.0</u>	0.00	0.00	0.00	0.02	0.00	0.00	0.00
<u>Y 90.0</u>	0.00	0.00	0.00	0.00	0.11	0.11	0.00
<u>Y 91.0</u>	0.06	0.10	0.17	0.00	0.00	0.00	0.07
<u>Y 92.0</u>	0.00	0.00	0.00	0.02	0.00	0.00	0.00
<u>Y 93.0</u>	0.00	0.00	0.00	0.00	0.04	0.10	0.00

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<u>Y 94.0</u>	0.00	0.11	0.04	0.00	0.00	0.00	0.09
<u>Y 95.0</u>	0.00	0.00	0.00	0.13	0.13	0.06	0.00
<u>Y 96.0</u>	0.00	0.07	0.13	0.00	0.00	0.00	0.00
<u>Y 97.0</u>	0.00	0.10	0.00	0.00	0.00	0.00	0.12
<u>Y 98.0</u>	0.00	0.00	0.00	0.13	0.14	0.05	0.00
<u>Y 99.0</u>	0.19	0.08	0.19	0.00	0.00	0.00	0.00
<u>Y 100.0</u>	0.00	0.00	0.00	0.05	0.00	0.00	0.00
<u>Y 101.0</u>	0.00	0.00	0.00	0.09	0.14	0.11	0.00
<u>Y 102.0</u>	0.04	0.08	0.17	0.00	0.00	0.00	0.00
<u>Y 103.0</u>	0.00	0.00	0.00	0.08	0.00	0.00	0.00
<u>Y 104.0</u>	0.20	0.00	0.05	0.00	0.00	0.03	0.00
<u>Y 105.0</u>	0.00	0.10	0.15	0.00	0.00	0.00	0.00
<u>Y 106.0</u>	0.00	0.00	0.00	0.14	0.00	0.00	0.04
<u>Y 107.0</u>	0.18	0.00	0.12	0.00	0.00	0.00	0.00
<u>Y 108.0</u>	0.00	0.05	0.00	0.00	0.00	0.00	0.00
<u>Y 109.0</u>	0.00	0.00	0.00	0.13	0.00	0.00	0.08
<u>Y 110.0</u>	0.12	0.00	0.14	0.00	0.00	0.00	0.00
<u>Y 111.0</u>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<u>Y 112.0</u>	0.17	0.00	0.00	0.00	0.15	0.10	0.00
<u>Y 113.0</u>	0.03	0.12	0.15	0.00	0.00	0.00	0.00
<u>Y 114.0</u>	0.00	0.04	0.00	0.00	0.00	0.00	0.00
<u>Y 115.0</u>	0.16	0.00	0.00	0.00	0.16	0.14	0.00
<u>Y 116.0</u>	0.00	0.16	0.00	0.00	0.00	0.00	0.00
<u>Y 117.0</u>	0.00	0.00	0.00	0.18	0.00	0.00	0.14
<u>Y 118.0</u>	0.16	0.00	0.06	0.00	0.19	0.12	0.00
<u>Y 119.0</u>	0.00	0.16	0.00	0.00	0.00	0.00	0.00
<u>Y 120.0</u>	0.06	0.00	0.00	0.17	0.00	0.08	0.08
<u>Y 121.0</u>	0.00	0.00	0.08	0.00	0.02	0.00	0.00
<u>Y 122.0</u>	0.00	0.17	0.00	0.00	0.00	0.00	0.00
<u>Y 123.0</u>	0.13	0.00	0.00	0.13	0.00	0.09	0.05
<u>Y 124.0</u>	0.00	0.00	0.00	0.00	0.05	0.00	0.00
<u>Y 125.0</u>	0.00	0.00	0.00	0.06	0.00	0.00	0.00
<u>Y 126.0</u>	0.19	0.00	0.00	0.14	0.00	0.12	0.01
<u>Y 127.0</u>	0.00	0.00	0.02	0.00	0.07	0.00	0.00
<u>Y 128.0</u>	0.00	0.00	0.00	0.13	0.00	0.00	0.00
<u>Y 129.0</u>	0.00	0.00	0.17	0.00	0.14	0.00	0.15
<u>Y 130.0</u>	0.00	0.22	0.00	0.00	0.08	0.00	0.00
<u>Y 131.0</u>	0.13	0.00	0.00	0.14	0.00	0.00	0.00
<u>Y 132.0</u>	0.00	0.00	0.18	0.00	0.12	0.00	0.14
<u>Y 133.0</u>	0.00	0.17	0.00	0.00	0.00	0.00	0.00
<u>Y 134.0</u>	0.20	0.00	0.04	0.02	0.00	0.16	0.00
<u>Y 135.0</u>	0.00	0.00	0.17	0.00	0.09	0.00	0.12
<u>Y 136.0</u>	0.00	0.18	0.00	0.00	0.00	0.00	0.00
<u>Y 137.0</u>	0.00	0.00	0.08	0.00	0.00	0.14	0.00
<u>Y 138.0</u>	0.00	0.17	0.00	0.00	0.15	0.00	0.07
<u>Y 139.0</u>	0.00	0.17	0.00	0.00	0.00	0.00	0.00
<u>Y 140.0</u>	0.00	0.00	0.09	0.00	0.00	0.06	0.00

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<u>Y 141.0</u>	0.00	0.18	0.00	0.00	0.22	0.00	0.18
<u>Y 142.0</u>	0.26	0.00	0.00	0.21	0.00	0.18	0.00
<u>Y 143.0</u>	0.00	0.00	0.17	0.00	0.00	0.09	0.00
<u>Y 144.0</u>	0.00	0.18	0.00	0.00	0.19	0.00	0.16
<u>Y 145.0</u>	0.22	0.00	0.00	0.21	0.00	0.23	0.00
<u>Y 146.0</u>	0.00	0.00	0.12	0.00	0.00	0.00	0.10
<u>Y 147.0</u>	0.00	0.15	0.00	0.09	0.21	0.00	0.20
<u>Y 148.0</u>	0.14	0.00	0.00	0.23	0.00	0.20	0.00
<u>Y 149.0</u>	0.00	0.00	0.09	0.00	0.00	0.00	0.04
<u>Y 150.0</u>	0.33	0.15	0.00	0.16	0.20	0.00	0.00
<u>Y 151.0</u>	0.05	0.00	0.21	0.00	0.00	0.00	0.00
<u>Y 152.0</u>	0.00	0.00	0.08	0.00	0.00	0.00	0.03
<u>Y 153.0</u>	0.33	0.18	0.00	0.26	0.25	0.13	0.00
<u>Y 154.0</u>	0.00	0.00	0.28	0.00	0.00	0.00	0.00
<u>Y 155.0</u>	0.00	0.27	0.00	0.00	0.11	0.00	0.29
<u>Y 156.0</u>	0.35	0.23	0.00	0.28	0.26	0.20	0.00
<u>Y 157.0</u>	0.00	0.00	0.30	0.00	0.00	0.00	0.00
<u>Y 158.0</u>	0.32	0.31	0.00	0.00	0.06	0.00	0.33
<u>Y 159.0</u>	0.00	0.00	0.09	0.17	0.10	0.16	0.00
<u>Y 160.0</u>	0.00	0.00	0.31	0.00	0.00	0.00	0.00
<u>Y 161.0</u>	0.35	0.34	0.00	0.08	0.05	0.00	0.30
<u>Y 162.0</u>	0.00	0.00	0.11	0.12	0.21	0.14	0.00
<u>Y 163.0</u>	0.07	0.00	0.06	0.00	0.00	0.00	0.15
<u>Y 164.0</u>	0.43	0.31	0.00	0.34	0.00	0.33	0.34
<u>Y 165.0</u>	0.00	0.00	0.12	0.00	0.29	0.10	0.00
<u>Y 166.0</u>	0.17	0.00	0.08	0.00	0.00	0.00	0.19
<u>Y 167.0</u>	0.16	0.32	0.00	0.34	0.32	0.34	0.03
<u>Y 168.0</u>	0.00	0.00	0.16	0.00	0.34	0.00	0.00
<u>Y 169.0</u>	0.22	0.00	0.07	0.00	0.00	0.00	0.24
<u>Y 170.0</u>	0.11	0.40	0.00	0.26	0.28	0.36	0.00
<u>Y 171.0</u>	0.00	0.00	0.37	0.00	0.08	0.00	0.00
<u>Y 172.0</u>	0.00	0.00	0.19	0.00	0.39	0.00	0.00
<u>Y 173.0</u>	0.30	0.00	0.05	0.14	0.00	0.00	0.29
<u>Y 174.0</u>	0.00	0.00	0.41	0.00	0.16	0.00	0.00
<u>Y 175.0</u>	0.44	0.41	0.00	0.09	0.10	0.31	0.00
<u>Y 176.0</u>	0.00	0.00	0.43	0.00	0.17	0.00	0.00
<u>Y 177.0</u>	0.07	0.42	0.00	0.00	0.07	0.22	0.00
<u>Y 178.0</u>	0.28	0.13	0.00	0.21	0.00	0.39	0.25
<u>Y 179.0</u>	0.00	0.00	0.24	0.13	0.34	0.00	0.00
<u>Y 180.0</u>	0.10	0.10	0.10	0.10	0.10	0.10	0.10

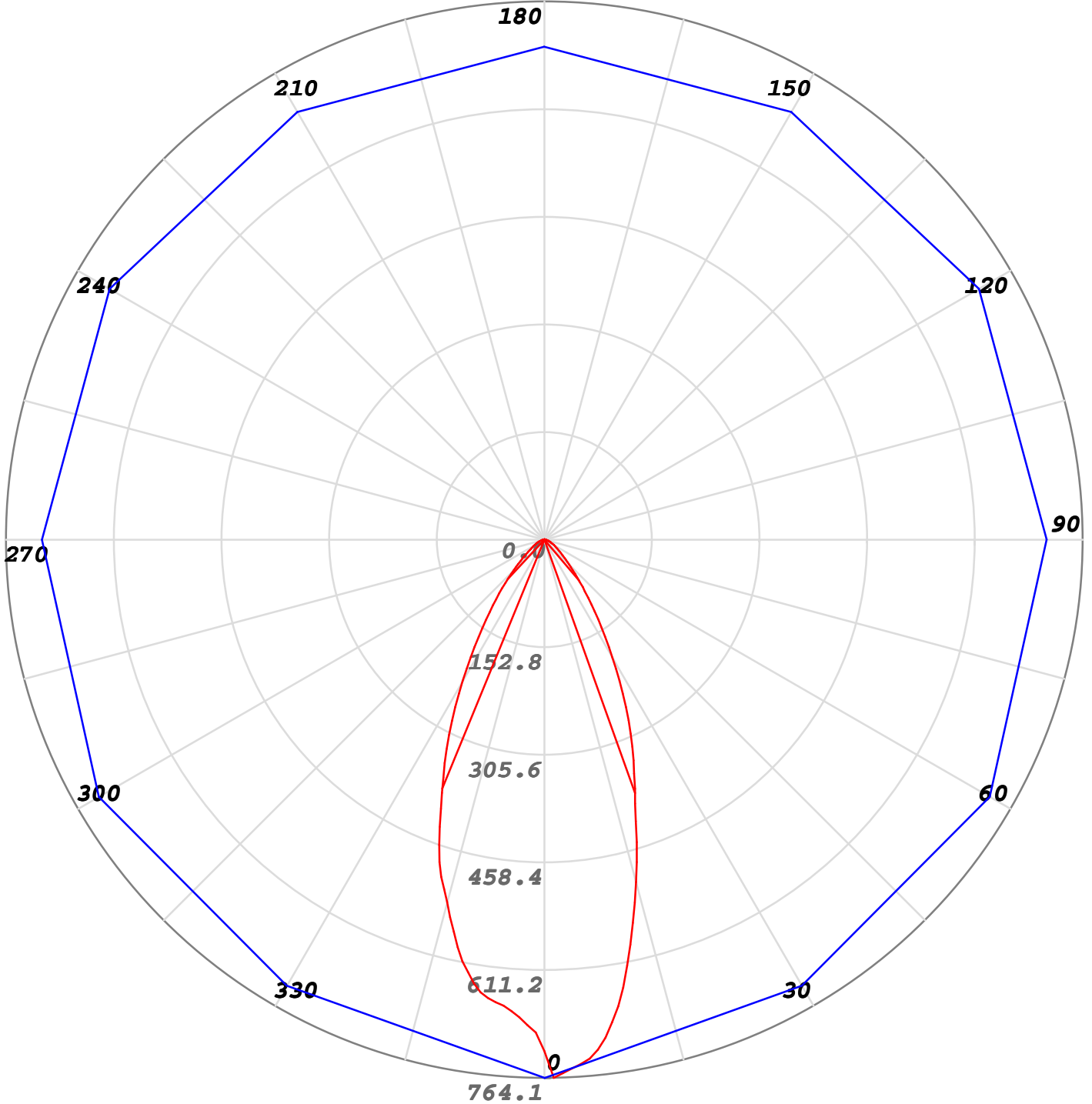
IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

2D Light Intensity Distribution Curve

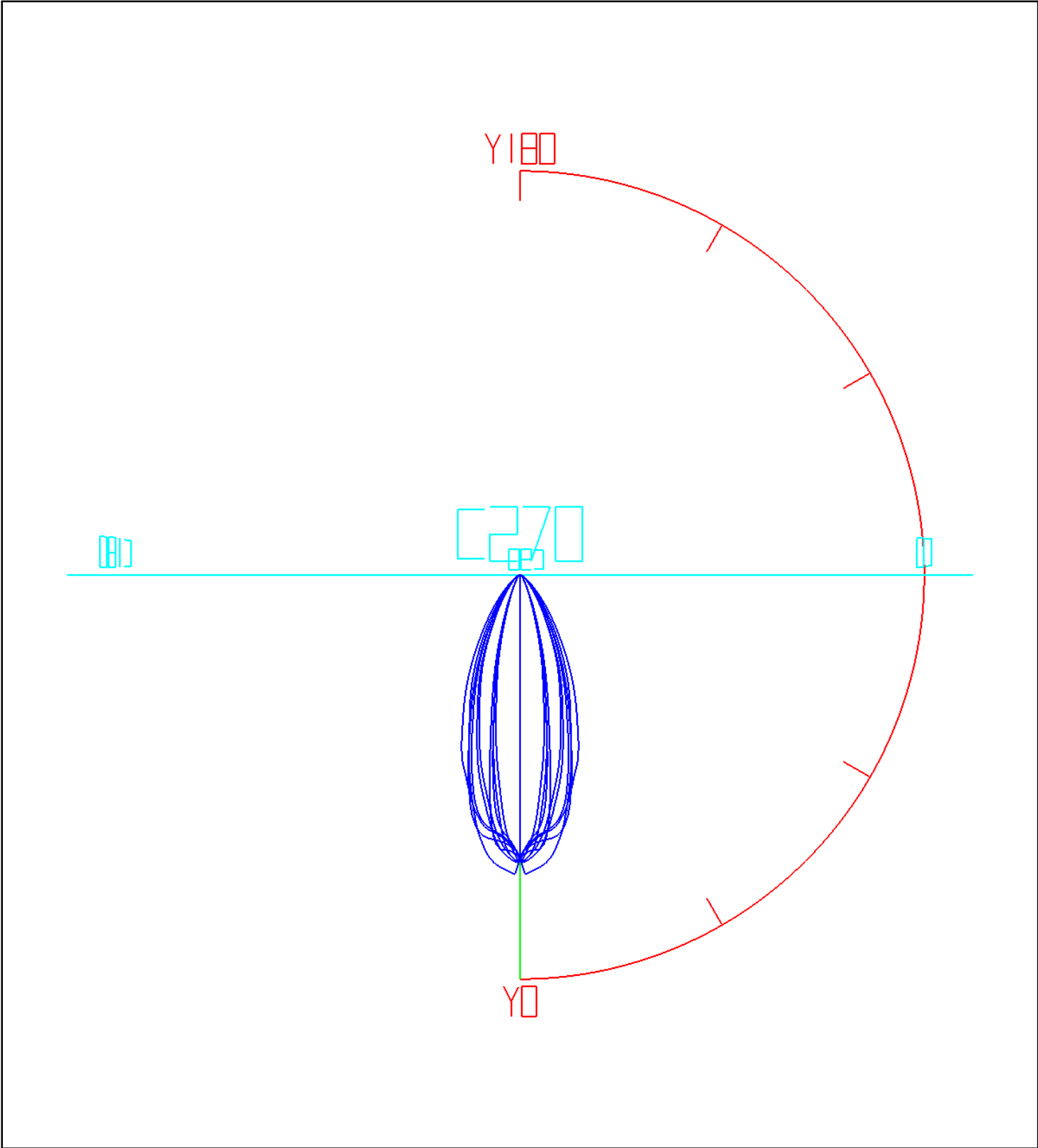
Plane [50%Ang.] [10%Ang.]
C0.0: 42.0 83.0

Polar Graph



C Plane: C0.0 ———
γ Cone: γ1.0 ———

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: YNT01910 LD-P20-30K-8D.IES

Zonal Liumens 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	0.69	0.69	0.14	0.14	47.0-48.0	3.52	3.52	0.69	0.69
1.0-2.0	2.05	2.75	0.40	0.54	48.0-49.0	3.27	6.78	0.64	1.33
2.0-3.0	3.39	6.13	0.66	1.20	49.0-50.0	3.03	9.81	0.59	1.92
3.0-4.0	4.68	10.82	0.92	2.12	50.0-51.0	2.82	12.64	0.55	2.48
4.0-5.0	5.95	16.77	1.17	3.29	51.0-52.0	2.62	15.26	0.51	2.99
5.0-6.0	7.18	23.95	1.41	4.70	52.0-53.0	2.44	17.70	0.48	3.47
6.0-7.0	8.36	32.31	1.64	6.34	53.0-54.0	2.29	19.99	0.45	3.92
7.0-8.0	9.47	41.79	1.86	8.19	54.0-55.0	2.14	22.13	0.42	4.34
8.0-9.0	10.50	52.29	2.06	10.25	55.0-56.0	2.01	24.14	0.39	4.73
9.0-10.0	11.44	63.72	2.24	12.50	56.0-57.0	1.89	26.03	0.37	5.10
10.0-11.0	12.28	76.00	2.41	14.90	57.0-58.0	1.79	27.82	0.35	5.45
11.0-12.0	13.02	89.02	2.55	17.46	58.0-59.0	1.70	29.51	0.33	5.79
12.0-13.0	13.64	102.66	2.67	20.13	59.0-60.0	1.60	31.11	0.31	6.10
13.0-14.0	14.13	116.79	2.77	22.90	60.0-61.0	1.51	32.62	0.30	6.40
14.0-15.0	14.50	131.29	2.84	25.74	61.0-62.0	1.42	34.04	0.28	6.67
15.0-16.0	14.75	146.04	2.89	28.64	62.0-63.0	1.33	35.37	0.26	6.94
16.0-17.0	14.90	160.94	2.92	31.56	63.0-64.0	1.25	36.62	0.25	7.18
17.0-18.0	14.93	175.87	2.93	34.49	64.0-65.0	1.16	37.79	0.23	7.41
18.0-19.0	14.86	190.73	2.91	37.40	65.0-66.0	1.08	38.86	0.21	7.62
19.0-20.0	14.75	205.48	2.89	40.29	66.0-67.0	1.00	39.87	0.20	7.82
20.0-21.0	14.61	220.09	2.87	43.16	67.0-68.0	0.92	40.79	0.18	8.00
21.0-22.0	14.46	234.55	2.84	45.99	68.0-69.0	0.85	41.64	0.17	8.16
22.0-23.0	14.29	248.84	2.80	48.79	69.0-70.0	0.78	42.42	0.15	8.32
23.0-24.0	14.09	262.93	2.76	51.56	70.0-71.0	0.71	43.13	0.14	8.46
24.0-25.0	13.84	276.77	2.71	54.27	71.0-72.0	0.65	43.79	0.13	8.59
25.0-26.0	13.54	290.31	2.66	56.93	72.0-73.0	0.60	44.38	0.12	8.70
26.0-27.0	13.18	303.49	2.58	59.51	73.0-74.0	0.54	44.92	0.11	8.81
27.0-28.0	12.75	316.24	2.50	62.01	74.0-75.0	0.49	45.42	0.10	8.91
28.0-29.0	12.29	328.53	2.41	64.42	75.0-76.0	0.46	45.87	0.09	8.99
29.0-30.0	11.76	340.29	2.31	66.73	76.0-77.0	0.41	46.29	0.08	9.08
30.0-31.0	11.21	351.50	2.20	68.92	77.0-78.0	0.38	46.67	0.07	9.15
31.0-32.0	10.64	362.14	2.09	71.01	78.0-79.0	0.35	47.01	0.07	9.22
32.0-33.0	10.07	372.21	1.97	72.98	79.0-80.0	0.31	47.32	0.06	9.28
33.0-34.0	9.51	381.72	1.87	74.85	80.0-81.0	0.28	47.60	0.05	9.33
34.0-35.0	8.96	390.68	1.76	76.61	81.0-82.0	0.24	47.84	0.05	9.38
35.0-36.0	8.40	399.09	1.65	78.25	82.0-83.0	0.20	48.04	0.04	9.42
36.0-37.0	7.88	406.96	1.54	79.80	83.0-84.0	0.16	48.21	0.03	9.45
37.0-38.0	7.36	414.32	1.44	81.24	84.0-85.0	0.12	48.32	0.02	9.48
38.0-39.0	6.86	421.18	1.35	82.59	85.0-86.0	0.08	48.40	0.01	9.49
39.0-40.0	6.41	427.59	1.26	83.84	86.0-87.0	0.05	48.45	0.01	9.50
40.0-41.0	5.97	433.56	1.17	85.01	87.0-88.0	0.02	48.47	0.00	9.50
41.0-42.0	5.54	439.10	1.09	86.10	88.0-89.0	0.01	48.47	0.00	9.51
42.0-43.0	5.13	444.22	1.01	87.11	89.0-90.0	0.00	48.48	0.00	9.51
43.0-44.0	4.73	448.96	0.93	88.03	90.0-91.0	0.01	48.48	0.00	9.51
44.0-45.0	4.39	453.35	0.86	88.89	91.0-92.0	0.00	48.49	0.00	9.51
45.0-46.0	4.08	457.43	0.80	89.69	92.0-93.0	0.00	48.49	0.00	9.51
46.0-47.0	3.79	461.21	0.74	90.44	93.0-94.0	0.00	48.49	0.00	9.51

IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

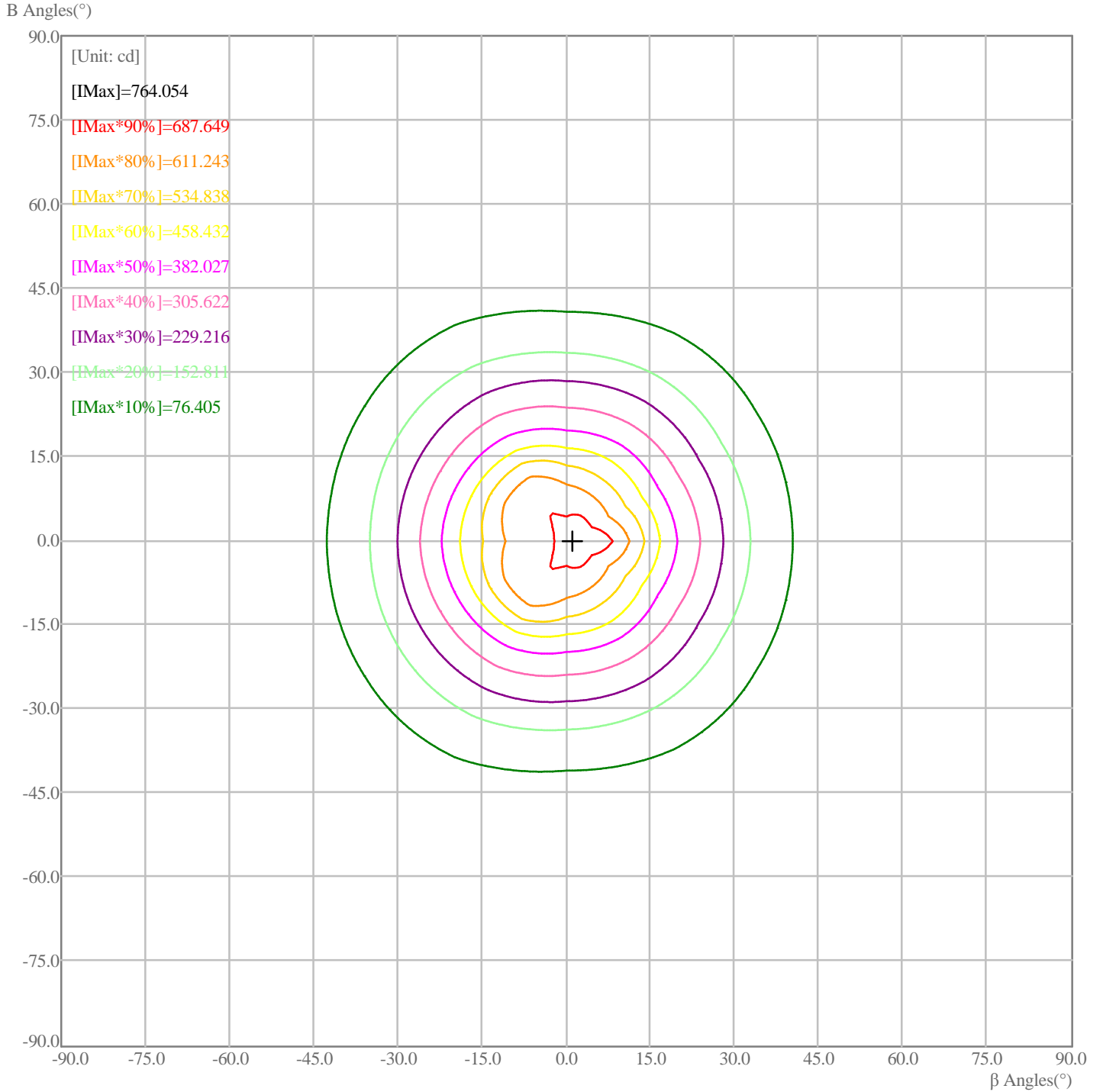
Zonal Liumens Tabulation - (Cont.)

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	0.00	0.00	0.00	0.00	141.0-142.0	0.01	0.01	0.00	0.00
95.0-96.0	0.00	0.01	0.00	0.00	142.0-143.0	0.00	0.01	0.00	0.00
96.0-97.0	0.00	0.01	0.00	0.00	143.0-144.0	0.00	0.01	0.00	0.00
97.0-98.0	0.00	0.02	0.00	0.00	144.0-145.0	0.01	0.02	0.00	0.00
98.0-99.0	0.01	0.02	0.00	0.00	145.0-146.0	0.00	0.02	0.00	0.00
99.0-100.0	0.00	0.03	0.00	0.01	146.0-147.0	0.00	0.03	0.00	0.01
100.0-101.0	0.00	0.03	0.00	0.01	147.0-148.0	0.01	0.03	0.00	0.01
101.0-102.0	0.01	0.04	0.00	0.01	148.0-149.0	0.00	0.03	0.00	0.01
102.0-103.0	0.00	0.04	0.00	0.01	149.0-150.0	0.00	0.04	0.00	0.01
103.0-104.0	0.00	0.04	0.00	0.01	150.0-151.0	0.00	0.04	0.00	0.01
104.0-105.0	0.00	0.05	0.00	0.01	151.0-152.0	0.00	0.04	0.00	0.01
105.0-106.0	0.00	0.05	0.00	0.01	152.0-153.0	0.00	0.05	0.00	0.01
106.0-107.0	0.00	0.05	0.00	0.01	153.0-154.0	0.01	0.05	0.00	0.01
107.0-108.0	0.00	0.05	0.00	0.01	154.0-155.0	0.00	0.06	0.00	0.01
108.0-109.0	0.00	0.06	0.00	0.01	155.0-156.0	0.01	0.06	0.00	0.01
109.0-110.0	0.00	0.06	0.00	0.01	156.0-157.0	0.01	0.07	0.00	0.01
110.0-111.0	0.00	0.06	0.00	0.01	157.0-158.0	0.00	0.07	0.00	0.01
111.0-112.0	0.00	0.06	0.00	0.01	158.0-159.0	0.00	0.08	0.00	0.01
112.0-113.0	0.01	0.07	0.00	0.01	159.0-160.0	0.00	0.08	0.00	0.02
113.0-114.0	0.00	0.07	0.00	0.01	160.0-161.0	0.00	0.08	0.00	0.02
114.0-115.0	0.00	0.08	0.00	0.01	161.0-162.0	0.00	0.09	0.00	0.02
115.0-116.0	0.00	0.08	0.00	0.02	162.0-163.0	0.00	0.09	0.00	0.02
116.0-117.0	0.00	0.08	0.00	0.02	163.0-164.0	0.00	0.09	0.00	0.02
117.0-118.0	0.01	0.09	0.00	0.02	164.0-165.0	0.00	0.10	0.00	0.02
118.0-119.0	0.00	0.09	0.00	0.02	165.0-166.0	0.00	0.10	0.00	0.02
119.0-120.0	0.00	0.10	0.00	0.02	166.0-167.0	0.00	0.10	0.00	0.02
120.0-121.0	0.00	0.10	0.00	0.02	167.0-168.0	0.00	0.11	0.00	0.02
121.0-122.0	0.00	0.10	0.00	0.02	168.0-169.0	0.00	0.11	0.00	0.02
122.0-123.0	0.00	0.11	0.00	0.02	169.0-170.0	0.00	0.11	0.00	0.02
123.0-124.0	0.00	0.11	0.00	0.02	170.0-171.0	0.00	0.11	0.00	0.02
124.0-125.0	0.00	0.11	0.00	0.02	171.0-172.0	0.00	0.11	0.00	0.02
125.0-126.0	0.00	0.11	0.00	0.02	172.0-173.0	0.00	0.12	0.00	0.02
126.0-127.0	0.00	0.12	0.00	0.02	173.0-174.0	0.00	0.12	0.00	0.02
127.0-128.0	0.00	0.12	0.00	0.02	174.0-175.0	0.00	0.12	0.00	0.02
128.0-129.0	0.00	0.12	0.00	0.02	175.0-176.0	0.00	0.12	0.00	0.02
129.0-130.0	0.00	0.13	0.00	0.02	176.0-177.0	0.00	0.12	0.00	0.02
130.0-131.0	0.00	0.13	0.00	0.03	177.0-178.0	0.00	0.12	0.00	0.02
131.0-132.0	0.00	0.13	0.00	0.03	178.0-179.0	0.00	0.12	0.00	0.02
132.0-133.0	0.00	0.14	0.00	0.03	179.0-180.0	0.00	0.12	0.00	0.02
133.0-134.0	0.00	0.14	0.00	0.03					
134.0-135.0	0.00	0.15	0.00	0.03					
135.0-136.0	0.00	0.15	0.00	0.03					
136.0-137.0	0.00	0.15	0.00	0.03					
137.0-138.0	0.00	0.15	0.00	0.03					
138.0-139.0	0.00	0.16	0.00	0.03					
139.0-140.0	0.00	0.16	0.00	0.03					
140.0-141.0	0.00	0.16	0.00	0.03					

IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

Rectangle ISO Light Intensity Curve



Curves: 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —

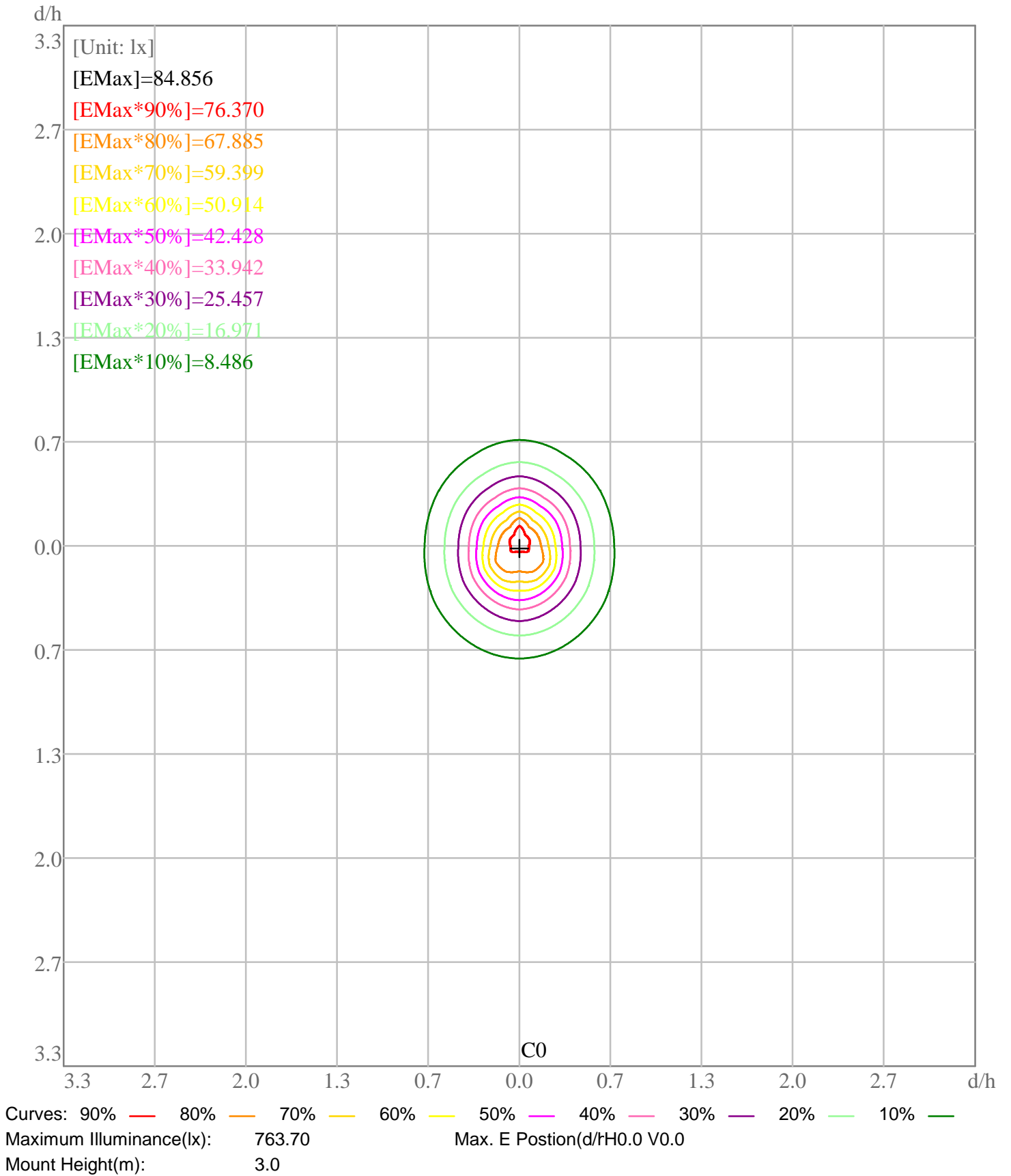
Maximum Light Intensity(cd): 764.05

Maximum Cd. Angles: H1.0 V0.0

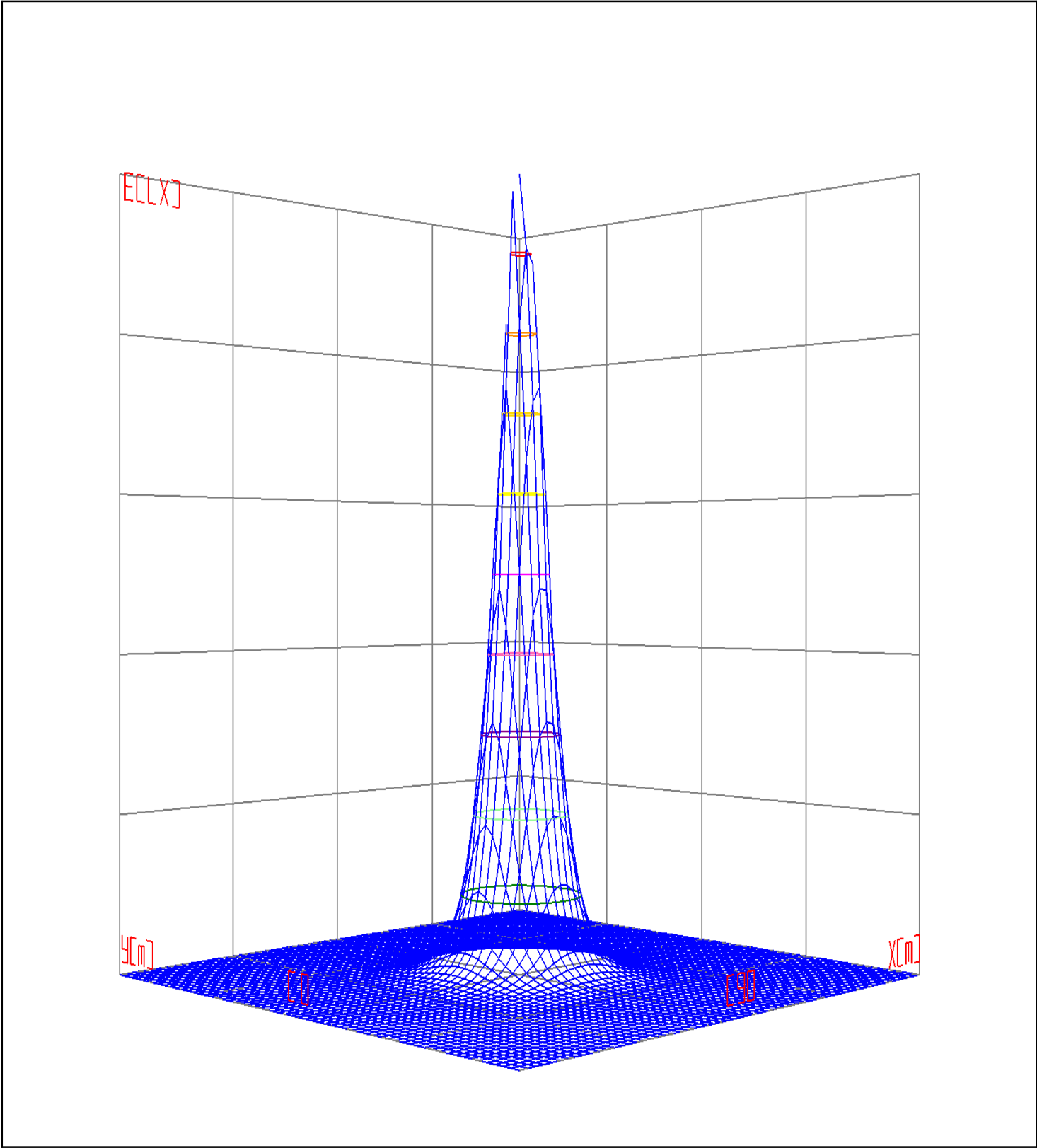
IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

Plane ISO-Illuminance Curve

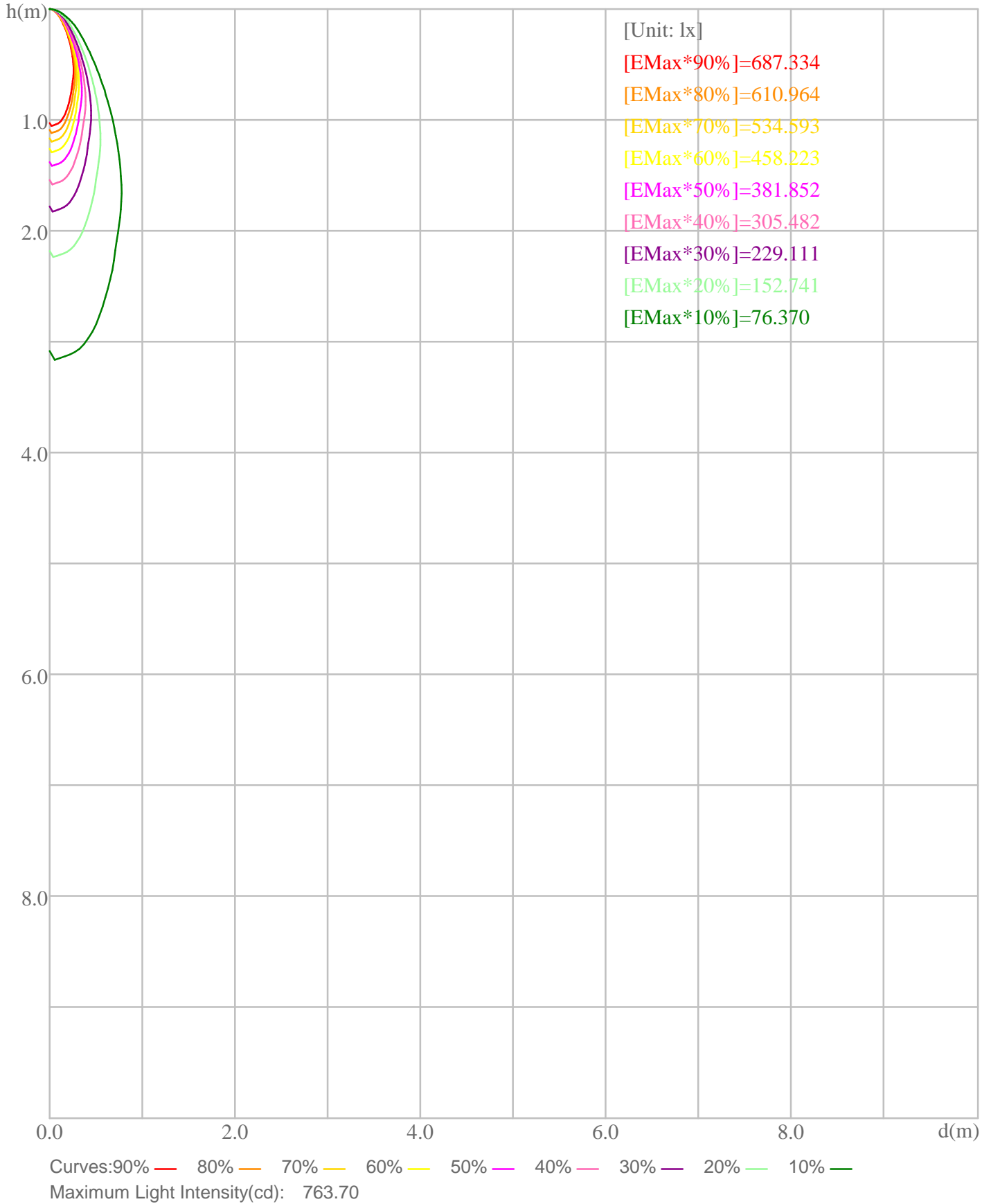


3D Plane ISO Illuminance Curve

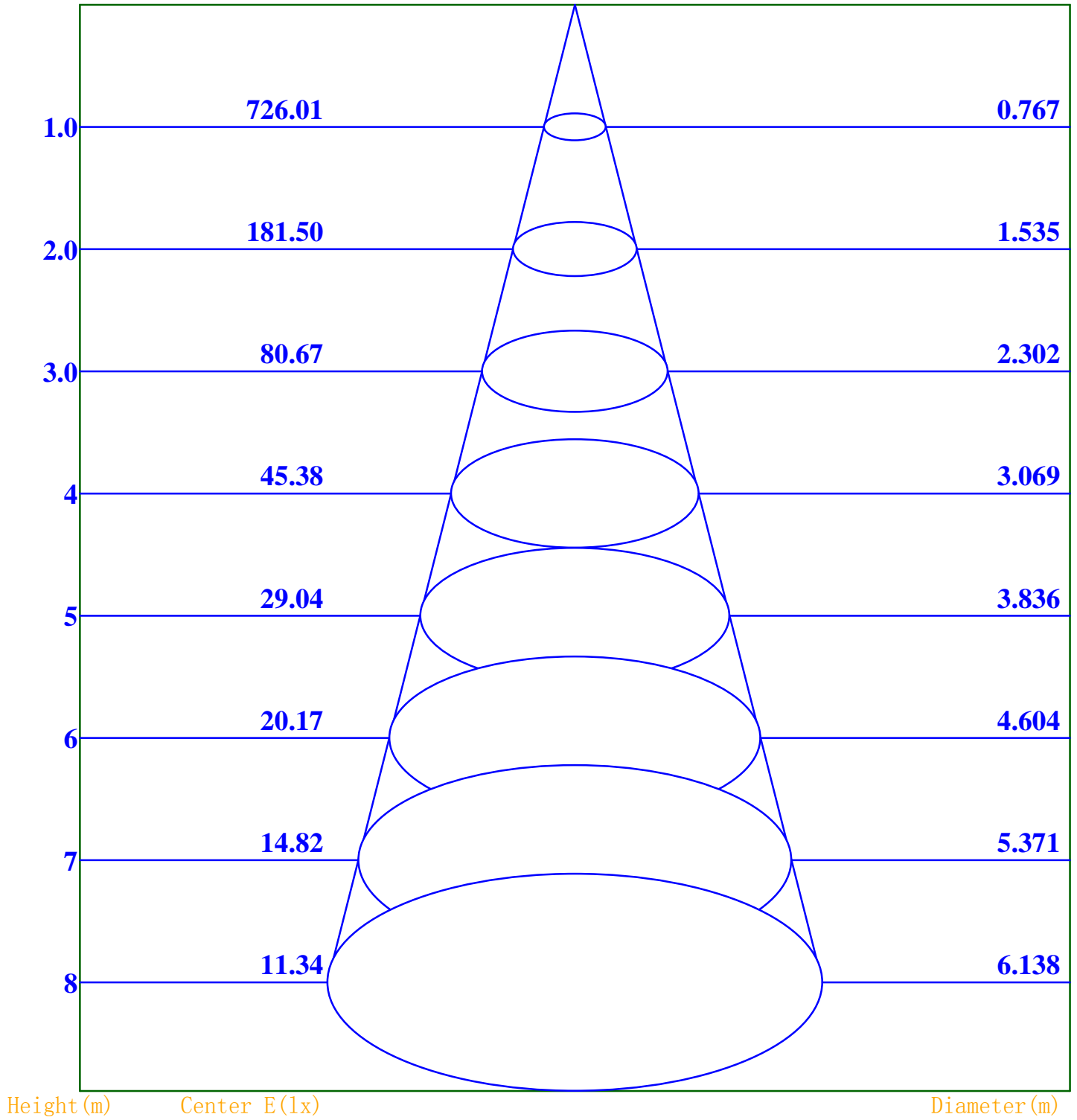


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Curve



Illuminance-Distance Curve



Beam Angle:42.0

IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

Indoor Luminance Limiting Curve

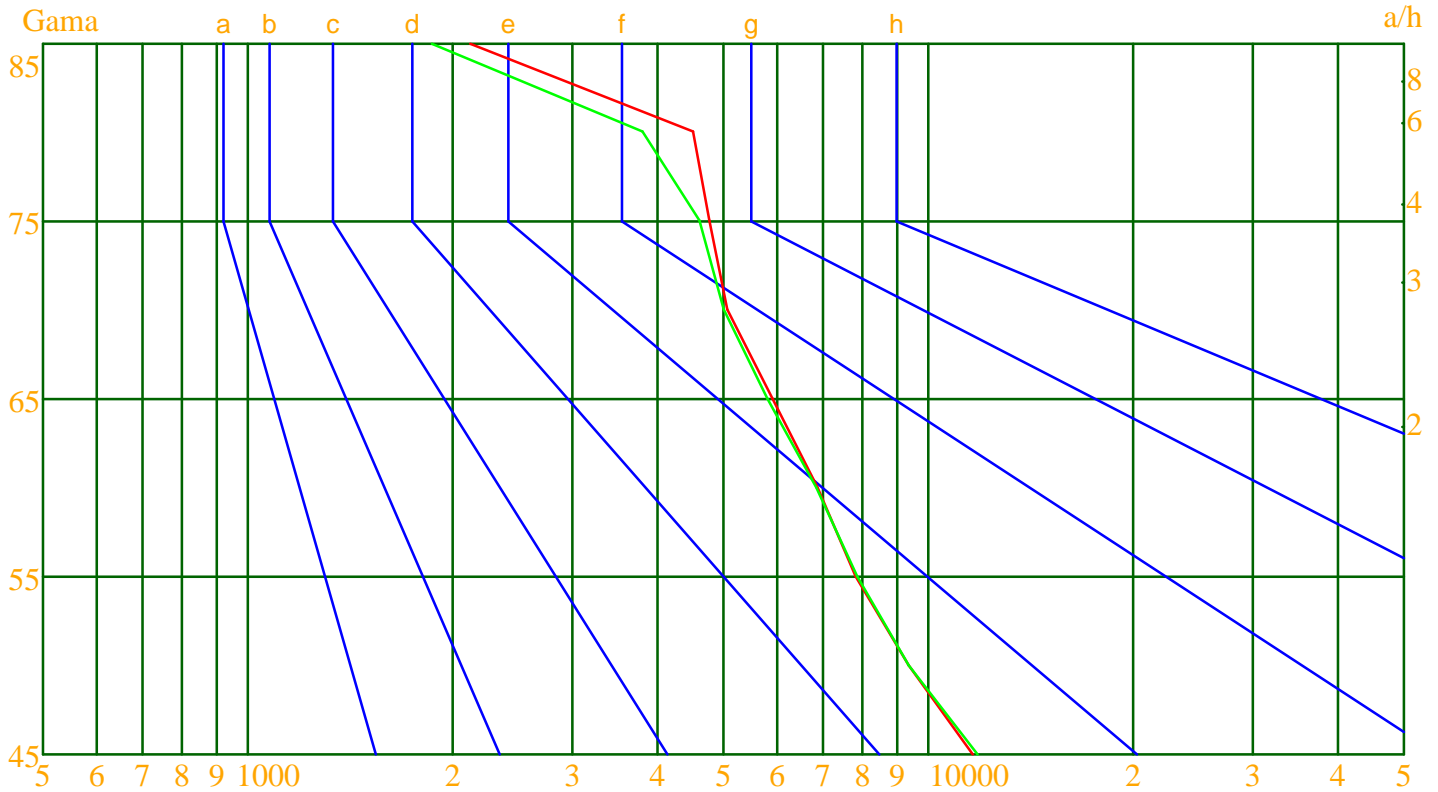
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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	56042	40534	30949	25487	20257	16131	14728	13560	4374
C90	57442	40511	31200	25333	19752	15849	14008	10476	3597

Luminance Limiting Curve

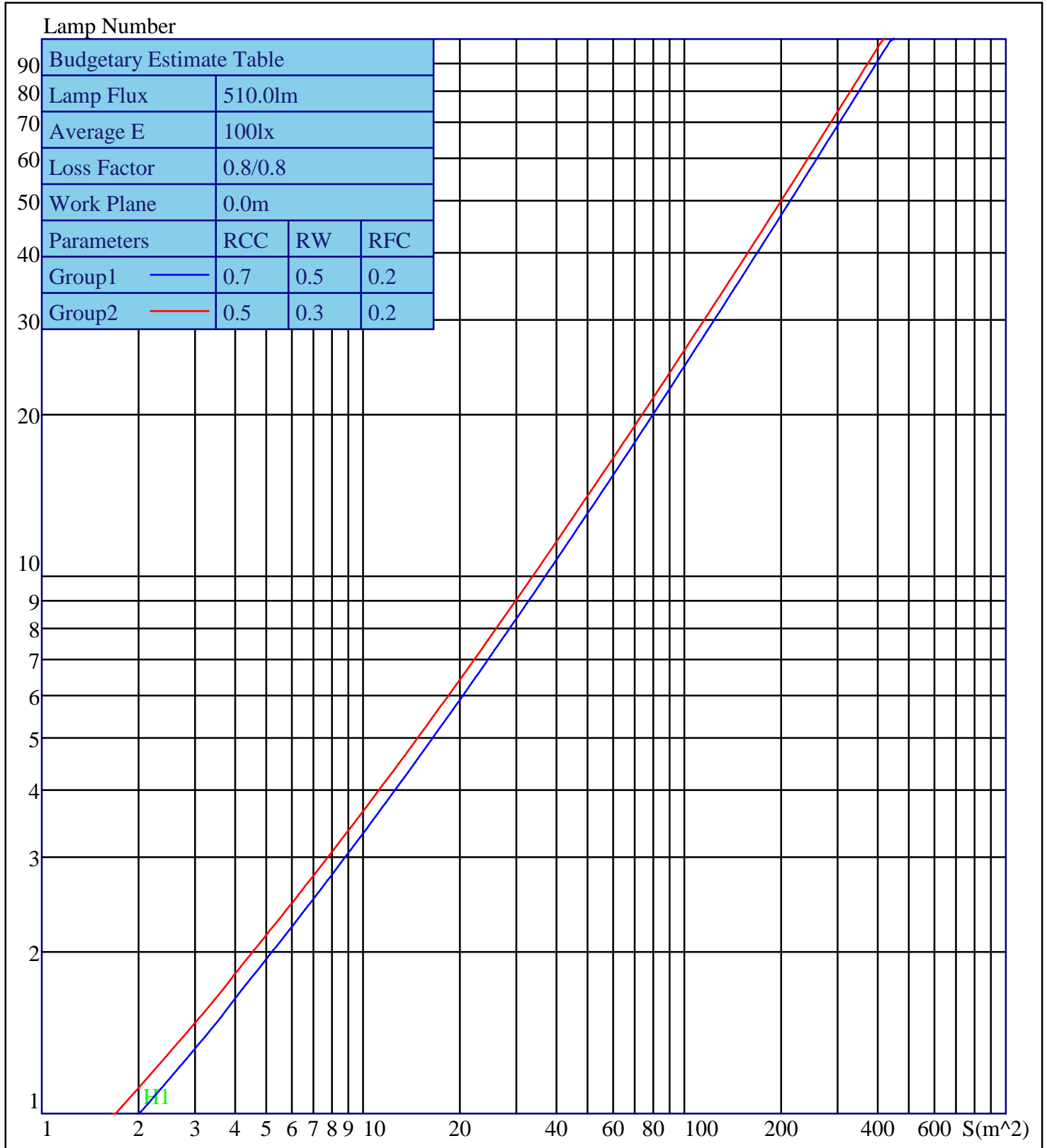


Luminous Size: Length(m)=0.000 Width(m)=-0.040 Height(m)=0.000 Area(m^2)=0.001257
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

Indoor Budgetary Estimate Table



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	67	62	58	66	61	57	65	61	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	54	51	59	54	51	58	54	51	49

IES Indoor Report

Photometric Filename: YNT01910 LD-P20-30K-8D.IES

Unified Glare Rating

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	46.0	48.0	46.7	48.6	49.2	46.4	48.4	47.1	49.0	49.6
	Y=3H	46.7	48.8	47.5	49.4	50.0	47.1	49.1	47.8	49.8	50.3
	Y=4H	47.4	49.2	48.1	49.8	50.4	47.7	49.5	48.4	50.2	50.7
	Y=6H	47.6	49.5	48.4	50.1	50.7	47.9	49.8	48.7	50.4	50.9
	Y=8H	47.7	49.5	48.4	50.1	50.7	48.0	49.8	48.7	50.4	51.0
	Y=12H	47.7	49.5	48.4	50.1	50.7	48.0	49.8	48.7	50.4	51.0
X=4H	Y=2H	46.0	47.8	46.7	48.5	49.0	46.4	48.2	47.1	48.8	49.4
	Y=3H	46.9	48.7	47.6	49.4	49.9	47.2	49.1	48.0	49.7	50.3
	Y=4H	45.6	46.7	46.5	47.5	48.3	45.9	47.0	46.9	47.9	48.6
	Y=6H	46.1	47.1	47.0	48.0	48.8	46.4	47.4	47.3	48.3	49.0
	Y=8H	46.2	47.3	47.2	48.1	48.9	46.5	47.6	47.5	48.4	49.2
	Y=12H	45.3	46.1	46.4	47.1	48.0	45.7	46.5	46.8	47.5	48.4
X=8H	Y=4H	45.5	46.5	46.4	47.4	48.2	45.8	46.9	46.8	47.7	48.5
	Y=6H	45.2	46.0	46.2	46.9	47.8	45.5	46.2	46.5	47.2	48.1
	Y=8H	44.9	45.5	46.0	46.5	47.4	45.2	45.8	46.3	46.8	47.8
	Y=12H	44.9	45.5	46.0	46.5	47.4	45.3	45.9	46.4	46.9	47.9
X=12H	Y=4H	44.6	45.4	45.6	46.3	47.2	44.9	45.7	45.9	46.6	47.5
	Y=6H	44.7	45.3	45.8	46.3	47.2	44.9	45.5	46.0	46.6	47.5
	Y=8H	44.8	45.4	45.9	46.5	47.4	45.1	45.7	46.2	46.8	47.7
Variations with the objerver position at spacings											
	S=1.0H	0.3/-7.0					0.6/-7.4				
	S=1.5H	-7.0/-27.7					-7.4/-28.1				
	S=2.0H	-7.0/-27.7					-7.4/-28.1				