

# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.IES

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## Description Information(From Photometric File)

Photometric File: YNT01910 LD-P30-30K-12D.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:0.096 Power:9.7 PF:0.442

## Character

Lamp Power (w) :	9.7
Total Rated Lamp Lumens (lm) :	793.72
Luminair Lumens (lm) :	793.72
Total Luminair Efficiency:	100.00%
Luminaire Efficacy Rating (LER) :	81.83
Maximum Intensity (cd) :	989.38
Max Cd Angle (deg) :	C=0.0 $\gamma$ =1.0
Downward Lumens (lm) :	762.32
Downward Total Efficiency:	96.04%
Spacing Criteria:	C0_180=0.31 C90_270=0.34
CIE Type:	Semi-Direct
Beam Angle (50%Imax) :	Left=-23.5 Right=19.8
Field Angle (10%Imax) :	89.7
ErP $\phi$ use (90deg) :	634.05lm

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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>	970.76	970.76	970.76	970.76	970.76	970.76	970.76
<u>Y1.0</u>	989.38	966.08	964.43	956.01	964.54	962.64	970.54
<u>Y2.0</u>	968.29	948.20	959.64	952.17	962.95	968.44	971.22
<u>Y3.0</u>	954.69	929.00	939.02	939.48	962.97	964.83	974.91
<u>Y4.0</u>	930.16	903.56	905.39	913.85	949.19	961.97	980.39
<u>Y5.0</u>	897.90	867.30	881.67	895.34	938.23	957.32	969.12
<u>Y6.0</u>	867.89	838.86	849.96	862.61	908.85	943.41	963.44
<u>Y7.0</u>	833.10	805.28	823.43	835.76	884.36	926.20	945.49
<u>Y8.0</u>	808.98	780.56	791.86	806.68	858.53	902.31	922.78
<u>Y9.0</u>	778.60	751.52	764.07	777.76	828.86	879.45	892.26
<u>Y10.0</u>	756.08	729.62	749.86	759.45	798.42	844.81	855.65
<u>Y11.0</u>	726.40	705.17	723.32	739.03	762.78	818.69	827.69
<u>Y12.0</u>	703.68	689.30	705.28	720.01	733.82	789.81	798.86
<u>Y13.0</u>	677.70	669.44	694.26	708.95	717.05	752.85	764.16
<u>Y14.0</u>	648.99	645.38	671.01	685.23	695.54	725.94	742.81
<u>Y15.0</u>	629.45	629.62	657.68	669.70	673.03	691.58	713.86
<u>Y16.0</u>	601.68	606.62	640.03	650.60	655.25	661.44	685.65
<u>Y17.0</u>	570.82	578.79	610.89	620.47	632.71	637.85	664.54
<u>Y18.0</u>	549.00	559.59	590.74	598.98	603.54	605.99	635.88
<u>Y19.0</u>	515.83	529.66	561.18	569.05	582.66	577.17	610.04
<u>Y20.0</u>	489.71	504.87	532.48	541.31	556.41	554.98	589.00
<u>Y21.0</u>	470.96	487.14	513.09	521.75	524.10	528.52	559.62
<u>Y22.0</u>	442.03	459.20	483.45	493.02	503.98	502.06	532.74
<u>Y23.0</u>	420.76	434.24	461.38	469.19	476.69	483.95	510.32
<u>Y24.0</u>	400.61	414.39	438.51	450.26	452.32	459.60	481.34
<u>Y25.0</u>	370.96	388.02	410.55	421.81	432.95	432.87	461.90
<u>Y26.0</u>	351.15	362.35	388.29	398.66	407.12	414.98	442.40
<u>Y27.0</u>	329.73	343.95	364.69	374.87	380.43	387.46	414.80
<u>Y28.0</u>	303.43	315.74	337.55	346.75	361.21	364.49	399.43
<u>Y29.0</u>	286.26	295.42	319.28	326.31	335.84	347.73	376.90
<u>Y30.0</u>	266.77	281.09	297.24	303.56	309.39	320.89	350.95
<u>Y31.0</u>	243.32	256.65	274.08	279.54	293.65	298.68	335.16
<u>Y32.0</u>	231.16	240.36	259.75	265.02	267.93	281.75	308.48
<u>Y33.0</u>	212.91	226.83	238.96	243.59	247.84	259.09	288.36
<u>Y34.0</u>	194.42	206.14	220.06	223.48	234.32	238.85	274.06
<u>Y35.0</u>	186.19	192.81	208.63	211.15	212.88	225.66	248.48
<u>Y36.0</u>	166.73	182.20	187.50	189.14	196.64	202.92	235.06
<u>Y37.0</u>	155.39	166.33	176.36	177.66	184.41	188.63	219.60
<u>Y38.0</u>	149.46	155.17	167.81	166.91	167.58	179.74	197.74
<u>Y39.0</u>	132.54	147.73	149.85	149.43	153.33	160.33	188.51
<u>Y40.0</u>	127.57	131.48	145.30	144.88	145.98	151.78	172.00
<u>Y41.0</u>	119.93	123.49	131.02	132.49	129.48	142.44	158.83
<u>Y42.0</u>	104.89	118.84	120.25	119.00	120.10	126.04	151.58
<u>Y43.0</u>	103.08	104.88	117.67	116.20	115.72	119.19	135.90
<u>Y44.0</u>	92.83	101.66	104.66	101.47	101.72	110.64	126.59
<u>Y45.0</u>	85.17	93.79	98.70	98.31	96.07	98.59	119.03
<u>Y46.0</u>	85.43	84.26	94.85	92.55	91.98	94.39	105.95

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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>	74.80	80.76	82.96	79.65	80.82	88.22	100.49
<u>Y 48.0</u>	70.53	75.56	79.25	79.80	76.04	78.37	94.39
<u>Y 49.0</u>	67.97	66.07	75.33	71.13	74.64	78.73	83.67
<u>Y 50.0</u>	59.73	63.83	67.09	64.13	66.43	71.80	81.34
<u>Y 51.0</u>	57.83	61.65	64.50	65.92	61.29	62.58	74.60
<u>Y 52.0</u>	56.16	53.29	61.26	57.10	61.82	64.26	66.68
<u>Y 53.0</u>	48.20	55.54	53.74	55.15	52.27	55.25	67.06
<u>Y 54.0</u>	48.82	52.60	53.57	55.08	49.86	50.58	59.37
<u>Y 55.0</u>	46.60	44.16	50.65	46.06	51.78	52.75	54.24
<u>Y 56.0</u>	39.82	46.38	44.13	46.98	43.68	44.75	54.94
<u>Y 57.0</u>	43.63	42.04	47.78	43.95	43.83	43.46	45.42
<u>Y 58.0</u>	38.76	36.58	42.87	37.93	44.17	44.46	44.83
<u>Y 59.0</u>	33.25	37.99	36.75	40.58	36.97	37.07	45.59
<u>Y 60.0</u>	36.84	35.51	40.30	36.40	36.59	37.03	37.68
<u>Y 61.0</u>	28.57	30.42	32.35	32.97	37.10	36.30	41.49
<u>Y 62.0</u>	27.02	34.06	33.22	34.94	29.79	29.96	34.38
<u>Y 63.0</u>	30.60	30.67	33.99	29.16	29.95	30.98	30.97
<u>Y 64.0</u>	23.10	23.85	26.20	27.53	31.75	30.61	35.29
<u>Y 65.0</u>	25.64	27.93	27.96	28.72	23.68	24.05	27.16
<u>Y 66.0</u>	23.39	22.38	26.25	22.04	26.50	28.06	28.07
<u>Y 67.0</u>	18.75	18.76	21.17	23.21	26.64	25.33	29.11
<u>Y 68.0</u>	21.51	22.65	23.21	23.22	19.60	19.69	22.13
<u>Y 69.0</u>	18.81	19.31	21.91	17.72	22.02	24.45	23.84
<u>Y 70.0</u>	15.16	16.22	16.78	23.02	20.94	17.81	22.21
<u>Y 71.0</u>	18.15	18.79	19.03	19.45	16.50	15.81	17.70
<u>Y 72.0</u>	15.85	16.42	18.43	15.24	17.78	21.16	20.40
<u>Y 73.0</u>	12.24	12.85	13.67	19.88	18.40	14.95	18.79
<u>Y 74.0</u>	16.79	17.07	18.61	12.37	12.62	16.55	15.03
<u>Y 75.0</u>	13.29	14.11	15.66	13.06	14.48	18.30	17.56
<u>Y 76.0</u>	9.60	9.67	10.90	17.06	16.40	11.85	15.24
<u>Y 77.0</u>	14.37	14.69	15.91	9.92	10.21	13.75	12.25
<u>Y 78.0</u>	7.90	8.60	10.04	14.53	14.43	14.26	16.45
<u>Y 79.0</u>	7.50	10.44	11.49	11.07	11.45	9.19	9.47
<u>Y 80.0</u>	12.56	12.78	13.65	8.39	8.03	11.58	9.87
<u>Y 81.0</u>	6.34	7.31	8.02	13.80	12.01	12.08	14.49
<u>Y 82.0</u>	8.90	7.93	9.07	8.82	10.54	7.37	7.44
<u>Y 83.0</u>	8.57	9.43	10.53	8.29	7.28	12.82	12.11
<u>Y 84.0</u>	4.71	5.22	6.25	10.94	9.83	10.53	12.63
<u>Y 85.0</u>	6.16	5.24	6.52	5.55	9.08	5.78	5.82
<u>Y 86.0</u>	6.87	7.65	8.77	5.88	4.53	11.50	10.49
<u>Y 87.0</u>	2.17	2.01	2.04	7.86	9.91	4.79	7.55
<u>Y 88.0</u>	4.86	4.16	3.76	3.63	7.52	3.90	4.00
<u>Y 89.0</u>	7.05	7.61	7.69	4.41	2.22	9.26	8.32
<u>Y 90.0</u>	1.79	1.93	1.76	6.62	7.67	2.84	5.45
<u>Y 91.0</u>	7.49	7.72	6.70	1.86	3.32	5.80	3.29
<u>Y 92.0</u>	7.96	7.55	8.01	4.90	1.80	8.42	6.69
<u>Y 93.0</u>	2.14	1.91	2.22	6.59	7.31	2.59	4.90

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	<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 94.0</u>	7.11	7.74	6.05	1.87	3.73	6.15	3.07
<u>Y 95.0</u>	4.55	4.29	5.76	7.89	3.69	6.15	8.26
<u>Y 96.0</u>	2.08	3.79	2.24	3.18	7.91	2.35	1.84
<u>Y 97.0</u>	6.34	7.78	5.22	1.85	4.60	5.91	3.10
<u>Y 98.0</u>	5.53	4.41	6.74	8.00	3.27	5.71	8.10
<u>Y 99.0</u>	2.71	3.83	1.89	3.33	8.00	2.50	1.69
<u>Y 100.0</u>	5.87	7.36	7.69	4.44	2.15	8.11	6.49
<u>Y 101.0</u>	6.22	4.07	7.42	7.70	2.69	5.36	8.19
<u>Y 102.0</u>	2.13	4.00	2.30	3.57	8.13	2.39	1.89
<u>Y 103.0</u>	8.39	7.47	7.57	4.29	2.33	8.23	6.45
<u>Y 104.0</u>	3.63	1.90	4.22	7.09	5.74	2.03	4.88
<u>Y 105.0</u>	1.83	3.80	2.30	3.85	8.18	2.44	1.89
<u>Y 106.0</u>	7.53	7.03	6.99	3.77	2.64	8.01	6.78
<u>Y 107.0</u>	3.93	2.07	5.26	7.34	5.34	1.85	5.20
<u>Y 108.0</u>	3.70	8.06	3.11	1.56	6.76	6.07	2.84
<u>Y 109.0</u>	7.13	7.65	5.82	3.53	2.97	8.05	6.40
<u>Y 110.0</u>	5.07	1.71	6.08	7.47	5.16	2.18	4.99
<u>Y 111.0</u>	3.14	7.90	2.57	1.74	6.98	6.00	2.13
<u>Y 112.0</u>	8.07	3.52	8.27	6.77	2.14	5.16	8.11
<u>Y 113.0</u>	5.97	4.68	6.71	4.42	4.67	2.71	5.28
<u>Y 114.0</u>	2.43	7.99	2.08	1.40	7.12	6.66	2.06
<u>Y 115.0</u>	8.17	2.90	7.76	6.44	2.00	5.07	8.15
<u>Y 116.0</u>	2.97	5.04	3.42	4.95	7.86	2.58	2.34
<u>Y 117.0</u>	1.95	6.62	4.51	2.80	3.79	8.13	5.17
<u>Y 118.0</u>	7.86	3.09	7.58	6.13	2.04	5.21	7.92
<u>Y 119.0</u>	3.87	5.40	4.04	5.60	7.36	2.58	2.52
<u>Y 120.0</u>	4.50	6.54	4.04	2.46	4.12	8.24	4.93
<u>Y 121.0</u>	7.59	2.10	7.82	8.03	3.93	2.38	6.42
<u>Y 122.0</u>	4.42	5.90	4.56	6.00	7.23	2.67	3.18
<u>Y 123.0</u>	3.29	6.25	3.35	2.17	4.26	8.10	4.55
<u>Y 124.0</u>	7.74	2.49	8.03	8.09	3.26	2.27	7.16
<u>Y 125.0</u>	2.24	8.57	2.20	2.66	7.91	5.95	1.95
<u>Y 126.0</u>	3.06	5.59	2.91	1.99	4.40	8.08	4.00
<u>Y 127.0</u>	8.50	3.04	8.43	7.82	3.28	2.75	7.56
<u>Y 128.0</u>	2.72	8.59	2.36	3.24	7.82	5.97	1.74
<u>Y 129.0</u>	5.58	2.34	5.75	3.72	1.91	6.16	6.70
<u>Y 130.0</u>	8.36	7.52	8.21	7.10	3.56	2.25	7.91
<u>Y 131.0</u>	3.37	8.27	2.62	3.84	7.96	5.36	2.09
<u>Y 132.0</u>	4.67	2.27	5.30	3.39	2.28	6.32	6.46
<u>Y 133.0</u>	7.65	7.84	6.51	7.49	7.07	2.10	5.28
<u>Y 134.0</u>	4.06	4.40	2.09	1.52	4.96	8.05	2.63
<u>Y 135.0</u>	3.81	2.14	4.51	2.78	2.06	7.03	5.80
<u>Y 136.0</u>	7.96	8.18	7.23	8.07	6.77	2.30	5.93
<u>Y 137.0</u>	2.36	3.33	1.86	1.92	5.55	7.76	2.20
<u>Y 138.0</u>	6.28	5.12	7.55	6.05	3.06	3.37	8.06
<u>Y 139.0</u>	8.29	8.59	7.51	8.09	6.61	2.39	6.16
<u>Y 140.0</u>	3.10	2.79	2.12	2.22	5.82	7.73	2.00

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	<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>Y141.0</u>	6.12	6.23	7.45	5.64	2.78	4.02	7.83
<u>Y142.0</u>	6.19	6.01	4.97	5.81	8.65	4.01	3.35
<u>Y143.0</u>	3.18	2.29	1.93	2.65	5.80	7.65	1.69
<u>Y144.0</u>	4.90	6.99	6.59	4.75	2.67	4.90	7.56
<u>Y145.0</u>	7.09	5.27	5.21	6.64	8.64	3.40	3.61
<u>Y146.0</u>	2.00	3.42	2.98	1.58	2.96	8.27	3.47
<u>Y147.0</u>	4.13	8.16	5.96	7.86	2.63	2.18	6.98
<u>Y148.0</u>	7.72	4.41	6.08	7.21	8.29	3.19	4.34
<u>Y149.0</u>	2.04	4.19	2.28	1.80	3.11	8.15	3.33
<u>Y150.0</u>	6.91	7.50	8.45	7.42	4.94	2.53	7.92
<u>Y151.0</u>	8.27	2.13	3.07	3.76	7.30	6.25	2.05
<u>Y152.0</u>	2.41	5.04	2.31	2.01	3.64	8.15	2.55
<u>Y153.0</u>	6.10	6.81	7.80	7.61	4.56	2.86	7.95
<u>Y154.0</u>	6.82	2.84	3.20	4.64	8.06	5.07	2.22
<u>Y155.0</u>	2.98	8.47	4.90	3.43	2.17	6.97	5.80
<u>Y156.0</u>	5.06	5.61	7.76	7.34	3.96	3.47	8.10
<u>Y157.0</u>	7.10	3.10	3.58	5.30	8.17	4.68	2.67
<u>Y158.0</u>	2.10	8.50	4.54	3.13	2.24	7.26	5.11
<u>Y159.0</u>	7.59	2.09	7.61	8.06	6.59	1.94	6.73
<u>Y160.0</u>	7.95	3.57	3.88	5.38	8.32	3.99	2.84
<u>Y161.0</u>	2.37	7.92	4.14	2.89	2.67	7.81	4.42
<u>Y162.0</u>	7.13	1.81	7.76	8.20	6.01	2.05	6.70
<u>Y163.0</u>	4.91	7.94	2.01	2.73	6.43	6.86	1.68
<u>Y164.0</u>	2.25	3.35	3.76	6.20	2.91	5.34	4.28
<u>Y165.0</u>	6.43	2.04	8.09	8.21	4.95	2.18	7.30
<u>Y166.0</u>	5.80	8.41	1.80	2.58	6.89	6.23	1.73
<u>Y167.0</u>	2.53	2.80	7.46	5.82	1.98	5.86	7.19
<u>Y168.0</u>	5.58	5.55	8.03	6.42	4.43	2.30	7.79
<u>Y169.0</u>	6.91	8.52	2.14	2.97	7.91	5.42	1.43
<u>Y170.0</u>	2.24	2.56	7.00	5.78	1.73	6.97	6.79
<u>Y171.0</u>	8.01	6.66	4.68	6.46	6.99	2.28	4.62
<u>Y172.0</u>	4.45	6.67	8.28	6.27	3.21	2.01	8.17
<u>Y173.0</u>	7.62	8.81	2.15	2.82	8.04	4.19	2.11
<u>Y174.0</u>	7.06	7.30	4.91	6.26	6.34	2.15	5.36
<u>Y175.0</u>	5.15	2.07	6.60	5.39	2.58	8.20	5.67
<u>Y176.0</u>	6.46	7.95	5.21	6.73	5.78	2.41	5.93
<u>Y177.0</u>	2.73	1.97	6.99	4.92	3.03	8.47	5.22
<u>Y178.0</u>	8.31	3.76	3.04	1.97	7.23	6.21	1.91
<u>Y179.0</u>	2.17	8.10	8.39	6.78	2.06	2.94	7.82
<u>Y180.0</u>	4.38	4.38	4.38	4.38	4.38	4.38	4.38

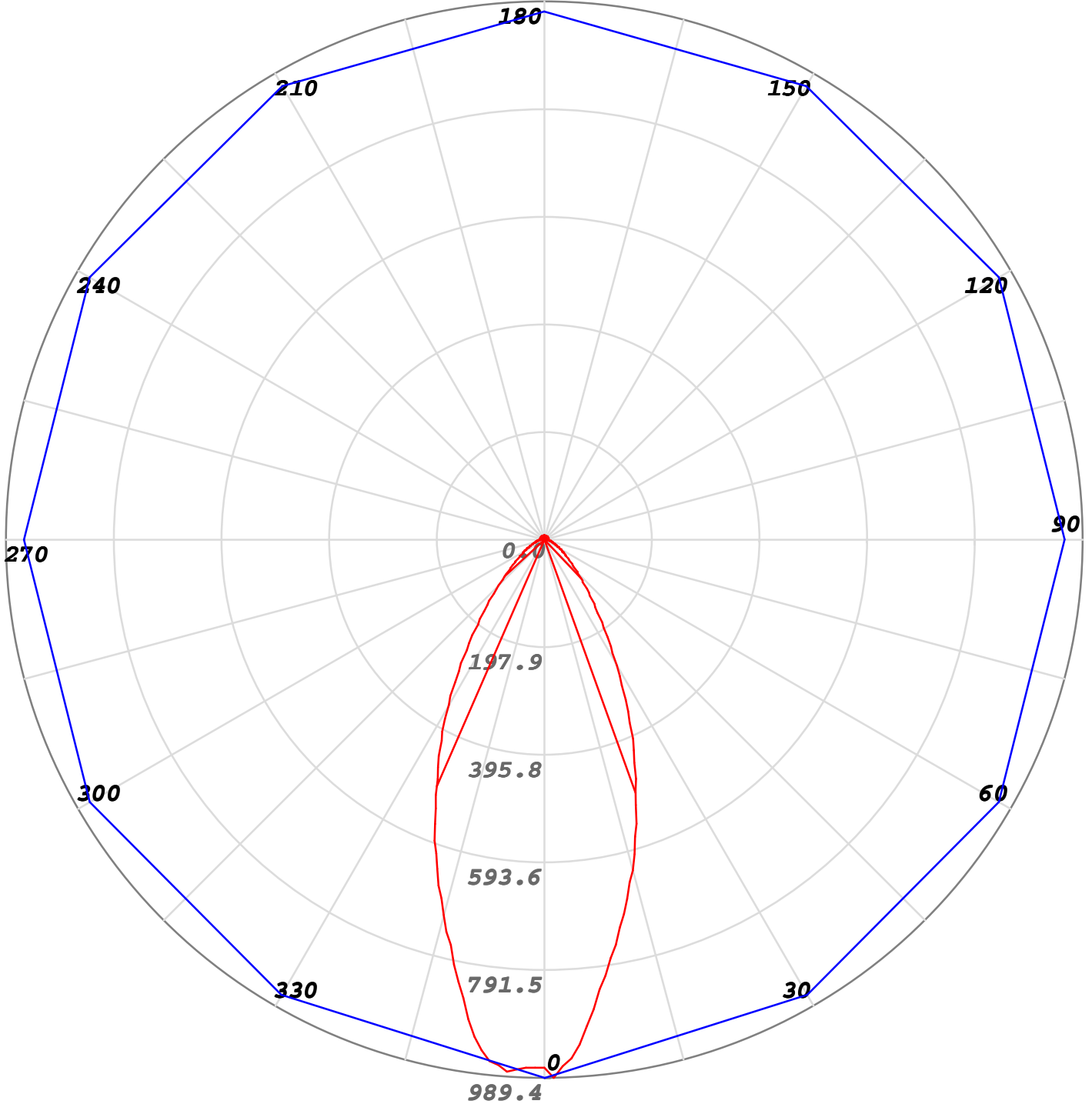
# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.IES

## 2D Light Intensity Distribution Curve

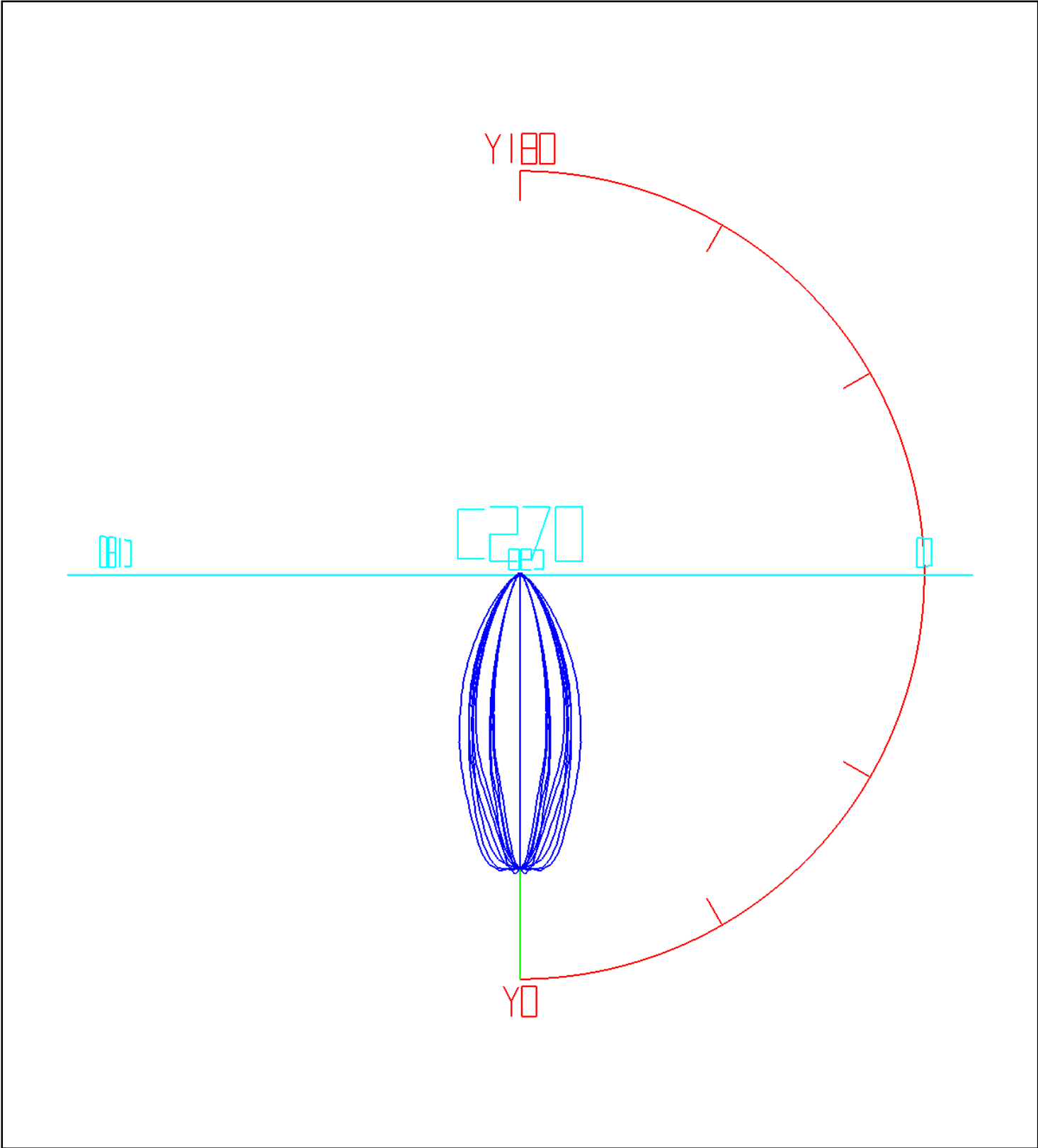
Plane [50%Ang.] [10%Ang.]  
C0.0: 43.3 90.7

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-P30-30K-12D.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	0.93	0.93	0.12	0.12	47.0-48.0	6.55	6.55	0.82	0.82
1.0-2.0	2.76	3.69	0.35	0.46	48.0-49.0	6.25	12.80	0.79	1.61
2.0-3.0	4.57	8.26	0.58	1.04	49.0-50.0	5.88	18.67	0.74	2.35
3.0-4.0	6.30	14.56	0.79	1.83	50.0-51.0	5.54	24.21	0.70	3.05
4.0-5.0	7.93	22.49	1.00	2.83	51.0-52.0	5.30	29.52	0.67	3.72
5.0-6.0	9.45	31.94	1.19	4.02	52.0-53.0	4.99	34.51	0.63	4.35
6.0-7.0	10.85	42.79	1.37	5.39	53.0-54.0	4.74	39.25	0.60	4.95
7.0-8.0	12.13	54.92	1.53	6.92	54.0-55.0	4.55	43.80	0.57	5.52
8.0-9.0	13.30	68.21	1.68	8.59	55.0-56.0	4.29	48.09	0.54	6.06
9.0-10.0	14.37	82.58	1.81	10.40	56.0-57.0	4.11	52.19	0.52	6.58
10.0-11.0	15.34	97.92	1.93	12.34	57.0-58.0	3.96	56.15	0.50	7.07
11.0-12.0	16.24	114.17	2.05	14.38	58.0-59.0	3.71	59.86	0.47	7.54
12.0-13.0	17.11	131.28	2.16	16.54	59.0-60.0	3.56	63.42	0.45	7.99
13.0-14.0	17.88	149.17	2.25	18.79	60.0-61.0	3.40	66.82	0.43	8.42
14.0-15.0	18.56	167.73	2.34	21.13	61.0-62.0	3.19	70.01	0.40	8.82
15.0-16.0	19.17	186.90	2.42	23.55	62.0-63.0	3.07	73.07	0.39	9.21
16.0-17.0	19.61	206.51	2.47	26.02	63.0-64.0	2.90	75.97	0.37	9.57
17.0-18.0	19.92	226.43	2.51	28.53	64.0-65.0	2.70	78.68	0.34	9.91
18.0-19.0	20.11	246.54	2.53	31.06	65.0-66.0	2.58	81.25	0.32	10.24
19.0-20.0	20.17	266.71	2.54	33.60	66.0-67.0	2.43	83.68	0.31	10.54
20.0-21.0	20.22	286.93	2.55	36.15	67.0-68.0	2.27	85.96	0.29	10.83
21.0-22.0	20.16	307.09	2.54	38.69	68.0-69.0	2.18	88.14	0.28	11.10
22.0-23.0	20.00	327.10	2.52	41.21	69.0-70.0	2.06	90.20	0.26	11.36
23.0-24.0	19.85	346.94	2.50	43.71	70.0-71.0	1.90	92.10	0.24	11.60
24.0-25.0	19.55	366.49	2.46	46.17	71.0-72.0	1.86	93.96	0.23	11.84
25.0-26.0	19.16	385.66	2.41	48.59	72.0-73.0	1.76	95.72	0.22	12.06
26.0-27.0	18.72	404.38	2.36	50.95	73.0-74.0	1.65	97.37	0.21	12.27
27.0-28.0	18.15	422.53	2.29	53.23	74.0-75.0	1.62	99.00	0.20	12.47
28.0-29.0	17.59	440.12	2.22	55.45	75.0-76.0	1.50	100.49	0.19	12.66
29.0-30.0	17.00	457.11	2.14	57.59	76.0-77.0	1.39	101.88	0.17	12.84
30.0-31.0	16.29	473.41	2.05	59.64	77.0-78.0	1.35	103.24	0.17	13.01
31.0-32.0	15.64	489.05	1.97	61.61	78.0-79.0	1.22	104.46	0.15	13.16
32.0-33.0	14.98	504.03	1.89	63.50	79.0-80.0	1.15	105.60	0.14	13.30
33.0-34.0	14.24	518.28	1.79	65.30	80.0-81.0	1.17	106.77	0.15	13.45
34.0-35.0	13.59	531.87	1.71	67.01	81.0-82.0	1.04	107.81	0.13	13.58
35.0-36.0	12.88	544.75	1.62	68.63	82.0-83.0	1.00	108.81	0.13	13.71
36.0-37.0	12.18	556.93	1.53	70.17	83.0-84.0	1.00	109.81	0.13	13.84
37.0-38.0	11.64	568.56	1.47	71.63	84.0-85.0	0.82	110.63	0.10	13.94
38.0-39.0	10.99	579.55	1.38	73.02	85.0-86.0	0.78	111.41	0.10	14.04
39.0-40.0	10.41	589.96	1.31	74.33	86.0-87.0	0.72	112.12	0.09	14.13
40.0-41.0	9.90	599.86	1.25	75.58	87.0-88.0	0.54	112.66	0.07	14.19
41.0-42.0	9.27	609.13	1.17	76.74	88.0-89.0	0.61	113.26	0.08	14.27
42.0-43.0	8.80	617.93	1.11	77.85	89.0-90.0	0.58	113.84	0.07	14.34
43.0-44.0	8.32	626.25	1.05	78.90	90.0-91.0	0.50	114.35	0.06	14.41
44.0-45.0	7.80	634.05	0.98	79.88	91.0-92.0	0.63	114.98	0.08	14.49
45.0-46.0	7.44	641.49	0.94	80.82	92.0-93.0	0.57	115.54	0.07	14.56
46.0-47.0	6.99	648.47	0.88	81.70	93.0-94.0	0.50	116.04	0.06	14.62



# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.IES

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## Zonal Liumens Tabulation - (Cont.)

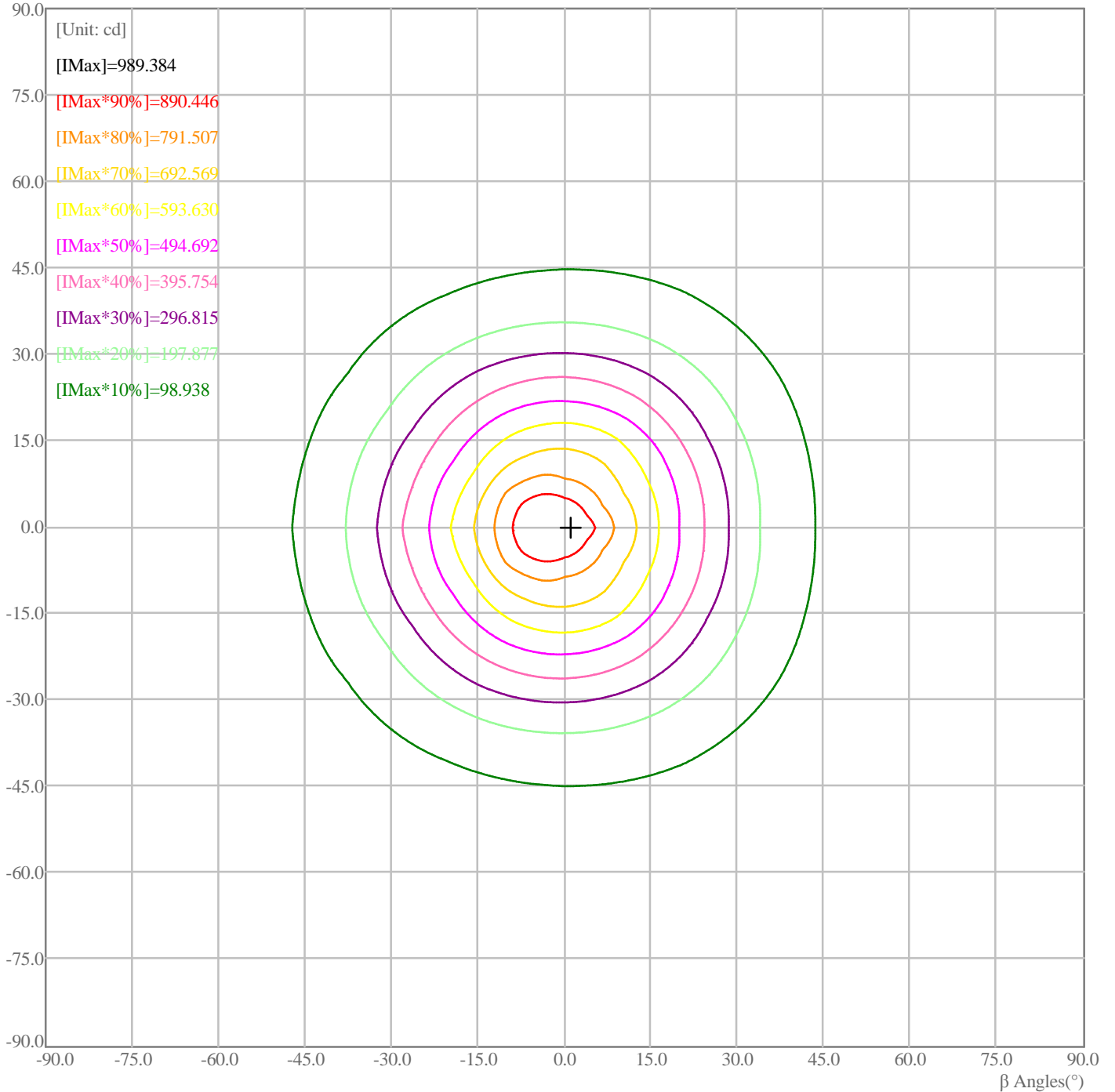
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.59	0.59	0.07	0.07	141.0-142.0	0.38	0.38	0.05	0.05
95.0-96.0	0.51	1.10	0.06	0.14	142.0-143.0	0.32	0.70	0.04	0.09
96.0-97.0	0.47	1.56	0.06	0.20	143.0-144.0	0.30	1.00	0.04	0.13
97.0-98.0	0.59	2.15	0.07	0.27	144.0-145.0	0.35	1.35	0.04	0.17
98.0-99.0	0.51	2.67	0.06	0.34	145.0-146.0	0.29	1.64	0.04	0.21
99.0-100.0	0.52	3.19	0.07	0.40	146.0-147.0	0.27	1.92	0.03	0.24
100.0-101.0	0.63	3.82	0.08	0.48	147.0-148.0	0.33	2.25	0.04	0.28
101.0-102.0	0.51	4.33	0.06	0.55	148.0-149.0	0.27	2.52	0.03	0.32
102.0-103.0	0.53	4.86	0.07	0.61	149.0-150.0	0.28	2.80	0.04	0.35
103.0-104.0	0.56	5.41	0.07	0.68	150.0-151.0	0.30	3.10	0.04	0.39
104.0-105.0	0.42	5.84	0.05	0.74	151.0-152.0	0.22	3.32	0.03	0.42
105.0-106.0	0.51	6.35	0.06	0.80	152.0-153.0	0.25	3.58	0.03	0.45
106.0-107.0	0.54	6.89	0.07	0.87	153.0-154.0	0.27	3.84	0.03	0.48
107.0-108.0	0.48	7.37	0.06	0.93	154.0-155.0	0.23	4.07	0.03	0.51
108.0-109.0	0.55	7.92	0.07	1.00	155.0-156.0	0.25	4.32	0.03	0.54
109.0-110.0	0.54	8.46	0.07	1.07	156.0-157.0	0.23	4.56	0.03	0.57
110.0-111.0	0.47	8.94	0.06	1.13	157.0-158.0	0.21	4.76	0.03	0.60
111.0-112.0	0.53	9.46	0.07	1.19	158.0-159.0	0.21	4.97	0.03	0.63
112.0-113.0	0.53	9.99	0.07	1.26	159.0-160.0	0.20	5.18	0.03	0.65
113.0-114.0	0.47	10.46	0.06	1.32	160.0-161.0	0.18	5.36	0.02	0.68
114.0-115.0	0.50	10.96	0.06	1.38	161.0-162.0	0.18	5.54	0.02	0.70
115.0-116.0	0.49	11.45	0.06	1.44	162.0-163.0	0.17	5.71	0.02	0.72
116.0-117.0	0.46	11.90	0.06	1.50	163.0-164.0	0.14	5.85	0.02	0.74
117.0-118.0	0.50	12.40	0.06	1.56	164.0-165.0	0.14	5.99	0.02	0.75
118.0-119.0	0.48	12.88	0.06	1.62	165.0-166.0	0.14	6.13	0.02	0.77
119.0-120.0	0.46	13.35	0.06	1.68	166.0-167.0	0.12	6.25	0.02	0.79
120.0-121.0	0.48	13.83	0.06	1.74	167.0-168.0	0.12	6.38	0.02	0.80
121.0-122.0	0.48	14.31	0.06	1.80	168.0-169.0	0.12	6.49	0.01	0.82
122.0-123.0	0.45	14.76	0.06	1.86	169.0-170.0	0.10	6.59	0.01	0.83
123.0-124.0	0.45	15.21	0.06	1.92	170.0-171.0	0.09	6.69	0.01	0.84
124.0-125.0	0.46	15.67	0.06	1.97	171.0-172.0	0.09	6.78	0.01	0.85
125.0-126.0	0.42	16.09	0.05	2.03	172.0-173.0	0.08	6.85	0.01	0.86
126.0-127.0	0.44	16.53	0.06	2.08	173.0-174.0	0.07	6.92	0.01	0.87
127.0-128.0	0.46	16.99	0.06	2.14	174.0-175.0	0.06	6.97	0.01	0.88
128.0-129.0	0.40	17.39	0.05	2.19	175.0-176.0	0.05	7.02	0.01	0.88
129.0-130.0	0.44	17.83	0.06	2.25	176.0-177.0	0.04	7.06	0.00	0.89
130.0-131.0	0.47	18.30	0.06	2.31	177.0-178.0	0.02	7.08	0.00	0.89
131.0-132.0	0.38	18.68	0.05	2.35	178.0-179.0	0.01	7.09	0.00	0.89
132.0-133.0	0.42	19.11	0.05	2.41	179.0-180.0	0.00	7.10	0.00	0.89
133.0-134.0	0.41	19.52	0.05	2.46					
134.0-135.0	0.31	19.83	0.04	2.50					
135.0-136.0	0.40	20.23	0.05	2.55					
136.0-137.0	0.39	20.62	0.05	2.60					
137.0-138.0	0.34	20.96	0.04	2.64					
138.0-139.0	0.44	21.40	0.06	2.70					
139.0-140.0	0.38	21.78	0.05	2.74					
140.0-141.0	0.33	22.11	0.04	2.79					

# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.IES

## Rectangle ISO Light Intensity Curve

B Angles(°)



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

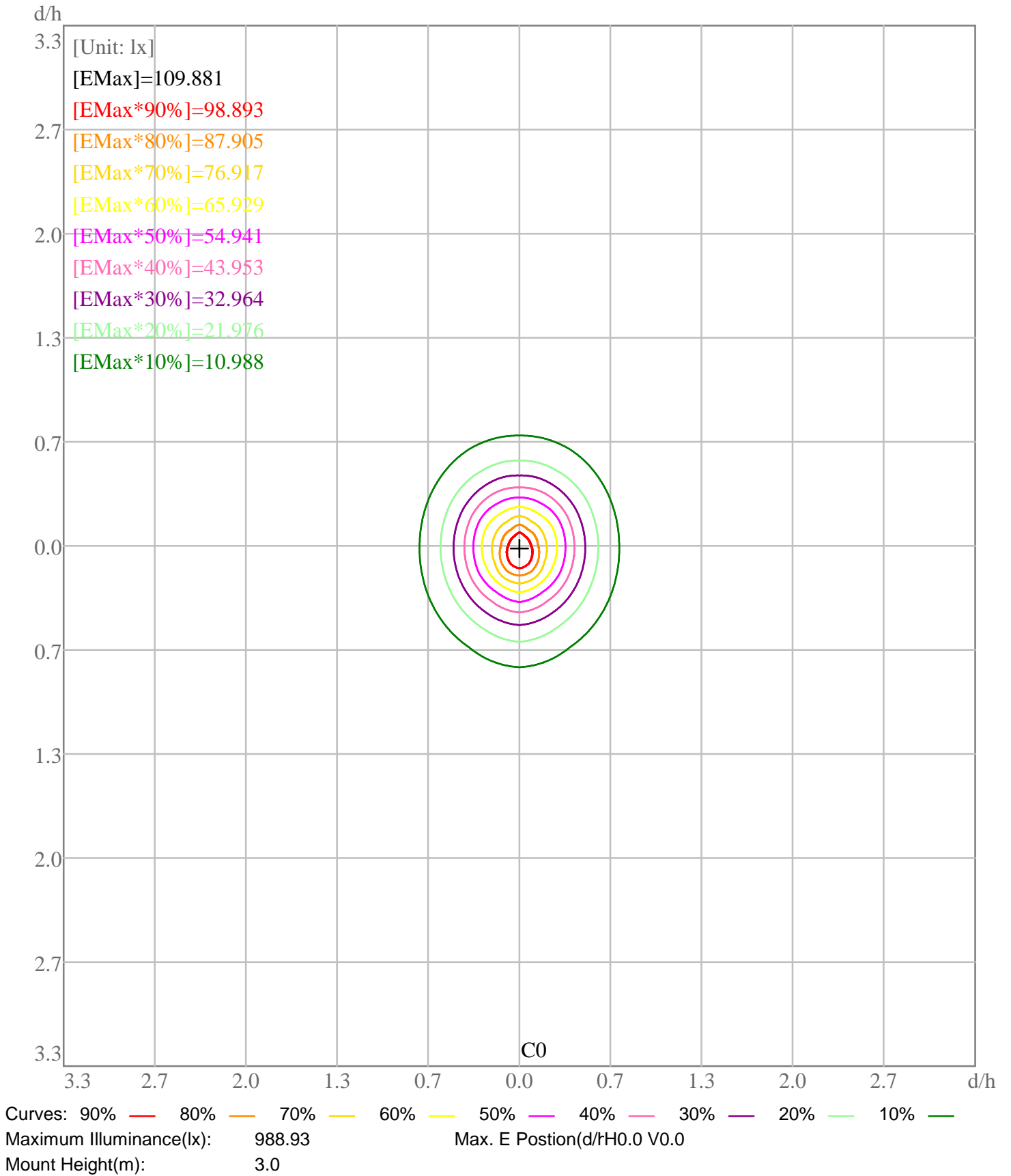
Maximum Light Intensity(cd): 989.38

Maximum Cd. Angles: H1.0 V0.0

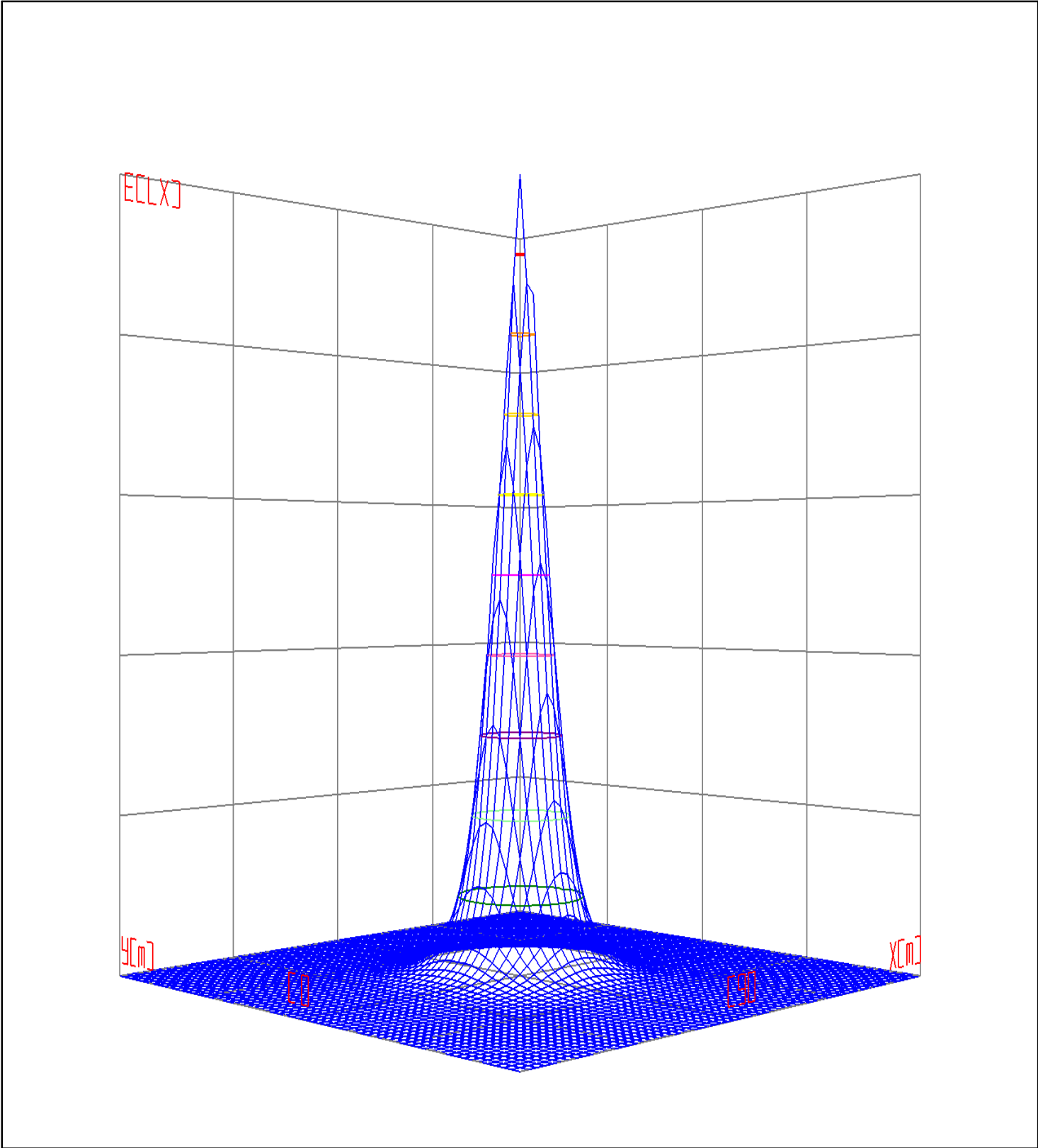
# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.IES

## Plane ISO-Illuminance Curve

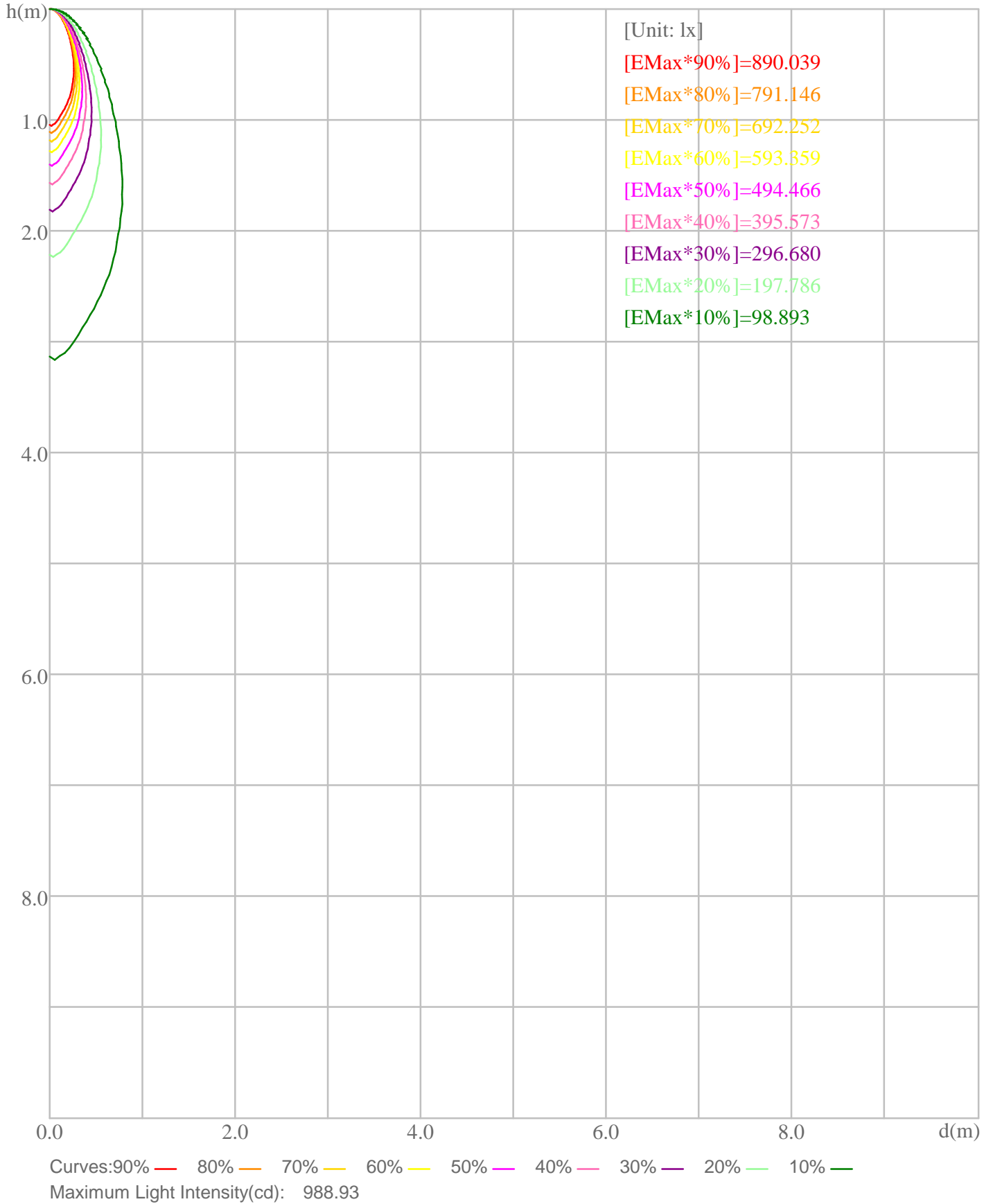


3D Plane ISO Illuminance Curve

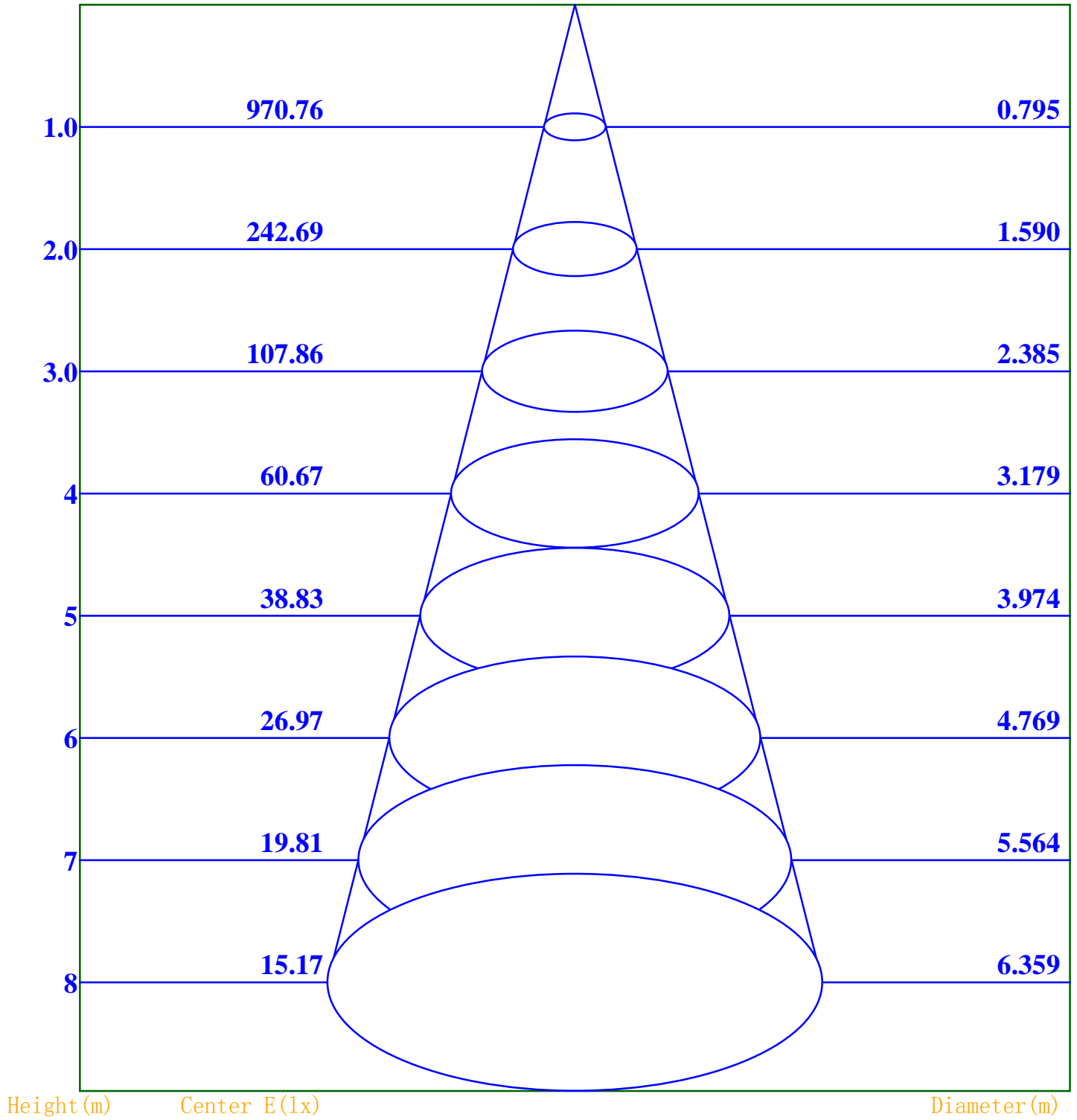


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10%  
View Angles(deg): 0      Height(m): 3.0      Distance(m): 10.0

Space ISO Illuminance Curve



Illuminance-Distance Curve



**Beam Angle:43.3**

# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.IES

## Indoor Luminance Limiting Curve

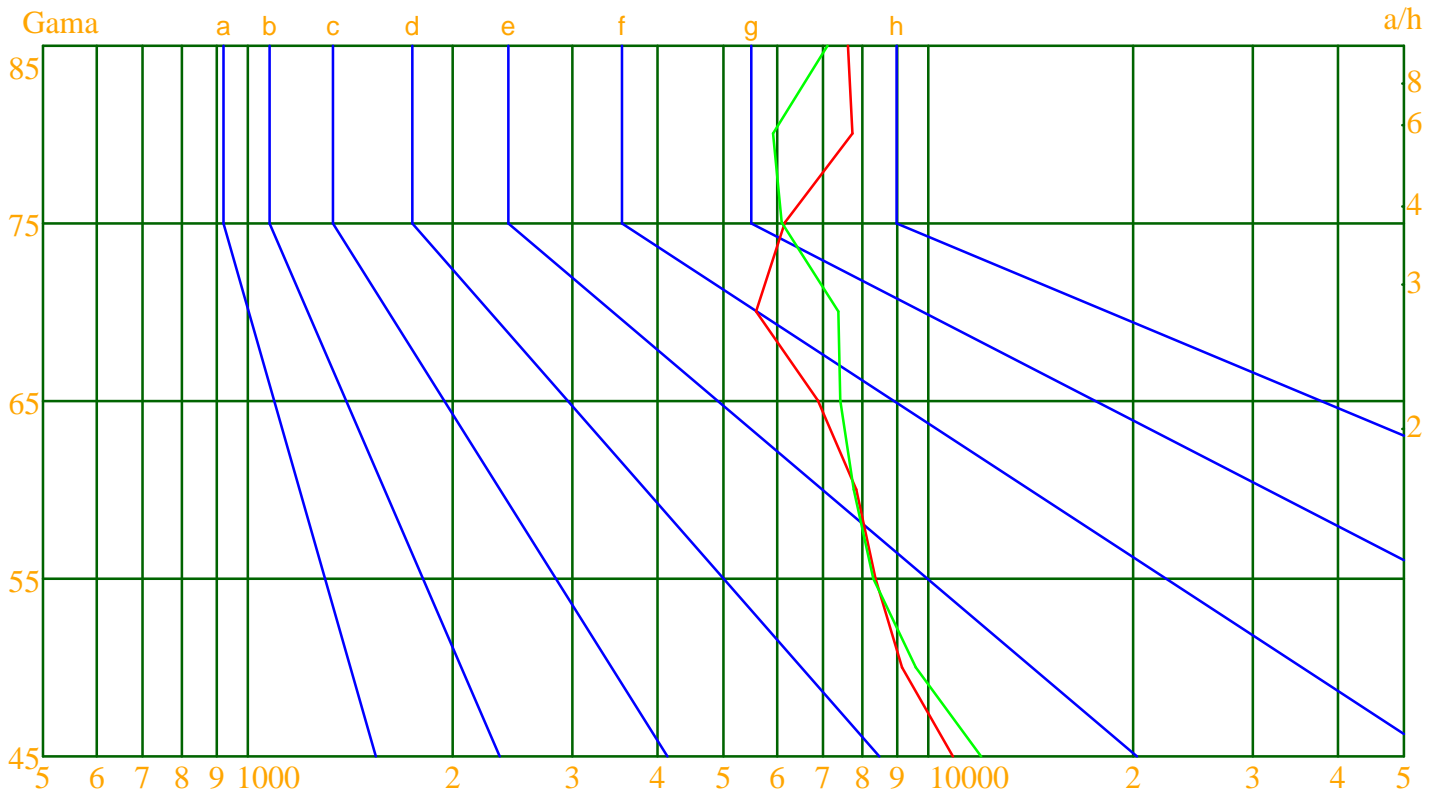
Glare Grade Table

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

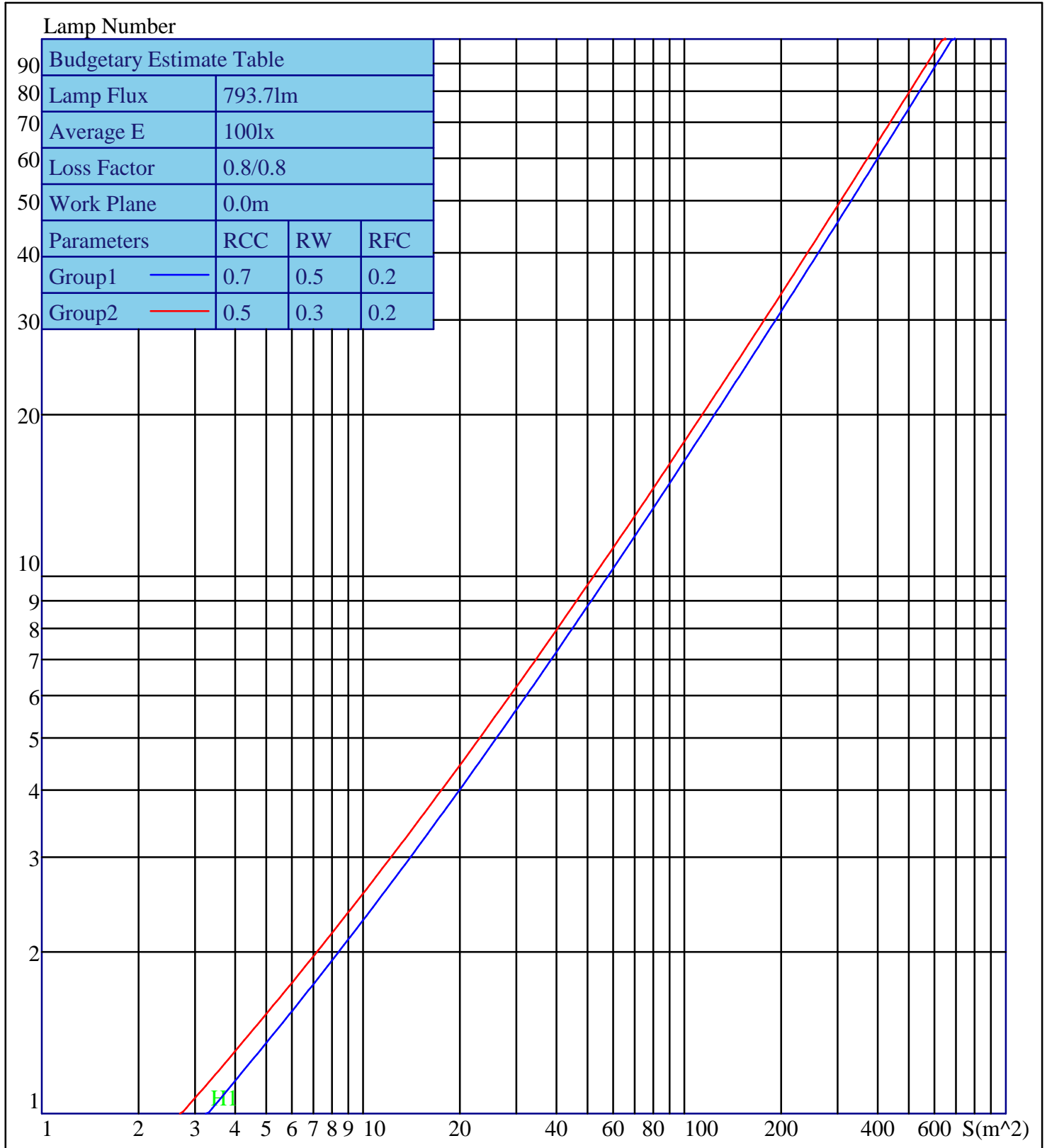
Gama(deg)	45	50	55	60	65	70	75	80	85
C0	50695	39115	34195	31015	25532	18663	21613	30437	29749
C90	58517	41992	33803	30645	28600	28331	21234	20334	26827

Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=-0.055 Height(m)=0.000 Area(m^2)=0.002376  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	111	108	105	102	108	105	102	100	100	98	96	96	94	92	92	90	89	87
2	104	98	94	89	102	96	92	88	92	89	86	89	86	83	85	83	81	79
3	98	90	85	80	96	89	83	79	85	81	77	82	79	75	80	76	74	72
4	92	83	77	72	90	82	76	71	79	74	70	77	72	69	74	71	68	66
5	87	77	71	66	85	76	70	65	74	68	64	72	67	63	70	66	62	61
6	82	72	65	60	80	71	65	60	69	63	59	67	62	59	65	61	58	56
7	78	67	61	56	76	66	60	56	65	59	55	63	58	54	62	57	54	52
8	74	63	57	52	72	62	56	52	61	55	51	60	55	51	58	54	50	49
9	70	59	53	49	69	59	53	48	57	52	48	56	51	48	55	51	47	46
10	67	56	50	46	65	55	49	45	54	49	45	53	48	45	52	48	44	43

# IES Indoor Report

Photometric Filename: YNT01910 LD-P30-30K-12D.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	41.8	44.1	42.8	45.0	45.8	42.6	44.9	43.6	45.8	46.6
	Y=3H	43.4	45.7	44.4	46.6	47.4	44.3	46.6	45.3	47.5	48.4
	Y=4H	44.8	46.8	45.7	47.7	48.5	45.7	47.8	46.7	48.7	49.5
	Y=6H	45.8	47.8	46.8	48.7	49.6	47.0	49.0	47.9	49.8	50.7
	Y=8H	46.4	48.4	47.4	49.3	50.1	47.7	49.7	48.7	50.6	51.4
	Y=12H	46.9	48.9	47.9	49.8	50.6	48.5	50.5	49.5	51.4	52.2
X=4H	Y=2H	42.2	44.2	43.2	45.1	46.0	42.9	44.9	43.9	45.8	46.7
	Y=3H	44.2	46.2	45.2	47.1	48.0	45.0	47.0	45.9	47.9	48.8
	Y=4H	43.8	45.0	45.0	46.2	47.2	44.7	45.9	45.9	47.0	48.1
	Y=6H	45.4	46.6	46.7	47.7	48.8	46.4	47.6	47.6	48.7	49.8
	Y=8H	46.3	47.4	47.5	48.6	49.6	47.5	48.7	48.7	49.8	50.8
	Y=12H	46.2	47.1	47.5	48.3	49.5	47.7	48.6	49.0	49.9	51.0
X=8H	Y=4H	44.0	45.2	45.2	46.3	47.4	44.8	45.9	46.0	47.1	48.1
	Y=6H	45.0	45.9	46.4	47.1	48.3	45.9	46.8	47.3	48.0	49.2
	Y=8H	45.7	46.3	47.1	47.7	48.9	46.8	47.4	48.2	48.8	50.0
	Y=12H	46.7	47.4	48.1	48.7	49.9	48.2	48.8	49.6	50.2	51.4
X=12H	Y=4H	43.1	44.0	44.5	45.3	46.5	43.9	44.8	45.2	46.0	47.2
	Y=6H	44.6	45.3	46.0	46.6	47.8	45.5	46.1	46.9	47.5	48.7
	Y=8H	45.8	46.5	47.2	47.8	49.0	46.8	47.5	48.2	48.8	50.0
Variations with the objerver position at spacings											
	S=1.0H	1.7/-4.2					1.8/-5.0				
	S=1.5H	-4.2/-22.9					-5.0/-23.8				
	S=2.0H	-4.2/-22.9					-5.0/-23.8				