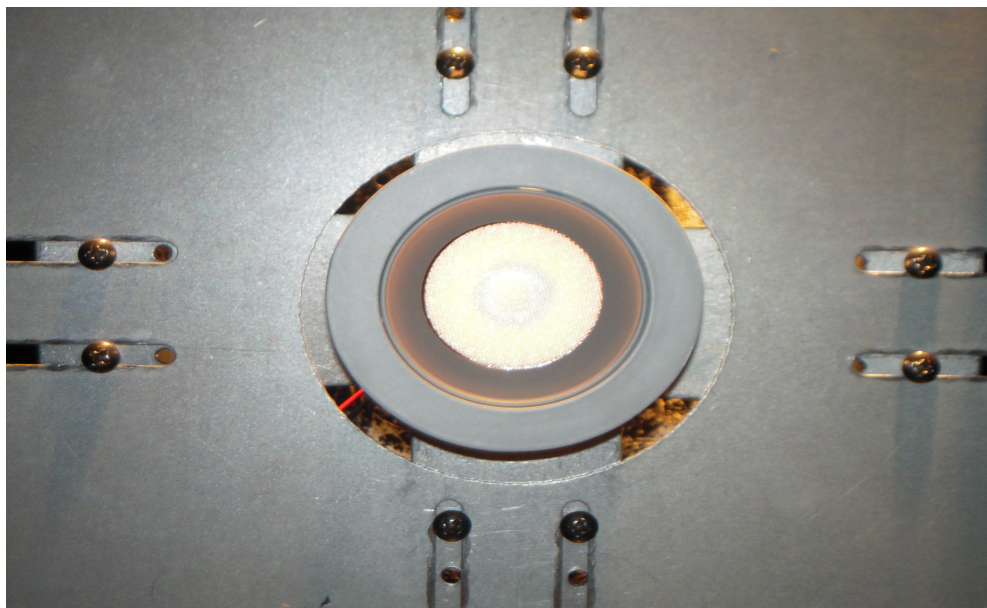


Test Report of Luminaire

Report No.:

Luminaire Type	8320H-23-30		
Lamp Type	LED_CXA1520/36V		
Client		EUT NO.	CCT: 3115K, CRI: 93.7Ra
Luminaire Parameters:			
Voltage	220.0	Current	0.098
Power:	20.4	Power Factor	0.947
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	1024.76 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	3071.658cd	Central Intensity	3071.658cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-102476.0%		
50%Imax Beam Width	C0_180[16.0 , -15.3] C90_270[16.1 , -15.4]		
Remark			

Luminaire Figure


RP Lighting + Fans

Photometric Data Table [Unit:cd] 8320H-23-30

C\G	0	5	10	15	20	25	30	35	40	45
0	3071.7	2847.6	2315.9	1666.0	1022.4	461.0	147.8	56.2	34.2	27.8
5	3071.7	2849.3	2316.9	1670.0	1024.4	462.6	148.6	56.8	34.2	27.8
10	3071.7	2849.6	2317.5	1671.3	1026.7	464.0	149.4	56.9	34.3	27.9
15	3071.7	2852.6	2319.5	1673.0	1029.1	465.6	149.0	57.6	34.4	28.2
20	3071.7	2854.3	2324.5	1675.0	1030.4	465.0	149.6	58.1	34.5	28.7
25	3071.7	2855.6	2327.5	1676.3	1031.8	465.0	150.0	58.5	34.6	29.2
30	3071.7	2858.3	2330.2	1679.6	1030.8	463.3	149.3	58.8	34.5	29.8
35	3071.7	2859.9	2332.9	1682.7	1031.1	461.0	148.9	58.8	34.5	30.4
40	3071.7	2862.9	2336.9	1684.0	1031.4	458.6	148.5	58.7	34.4	30.8
45	3071.7	2865.3	2342.9	1684.0	1028.4	455.3	147.3	58.7	34.3	31.3
50	3071.7	2866.6	2348.6	1685.0	1026.1	450.6	145.8	57.8	34.0	31.8
55	3071.7	2870.3	2352.9	1691.0	1020.4	445.3	143.7	56.8	33.6	32.1
60	3071.7	2871.6	2357.6	1693.3	1016.7	439.6	141.3	56.2	34.0	32.0
65	3071.7	2873.0	2363.6	1697.3	1012.7	432.9	138.3	55.1	34.7	31.6
70	3071.7	2875.6	2367.9	1695.7	1005.4	424.3	136.3	53.8	35.3	31.1
75	3071.7	2878.0	2372.3	1697.7	998.7	418.2	134.0	52.9	35.4	30.5
80	3071.7	2879.6	2375.3	1698.3	991.4	410.9	131.5	52.2	36.2	30.7
85	3071.7	2883.0	2377.3	1698.3	982.7	402.9	128.6	51.5	37.3	31.3
90	3071.7	2883.0	2379.6	1699.0	974.7	394.5	125.9	50.8	39.3	31.8
95	3071.7	2885.3	2379.9	1696.7	964.3	385.5	124.4	50.3	42.0	32.2
100	3071.7	2886.3	2383.3	1694.3	954.3	377.5	122.6	51.1	45.7	33.2
105	3071.7	2889.3	2386.0	1690.7	942.0	367.8	120.5	53.6	48.4	34.9
110	3071.7	2890.3	2385.6	1688.0	929.6	360.2	119.3	57.9	50.9	37.4
115	3071.7	2892.0	2385.0	1682.3	916.6	351.5	117.3	63.4	54.0	39.4
120	3071.7	2892.3	2382.6	1676.0	905.9	343.1	115.3	67.9	56.4	40.7
125	3071.7	2891.6	2378.9	1667.6	895.2	334.5	113.5	72.1	58.2	41.1
130	3071.7	2890.6	2374.9	1656.9	883.2	328.1	112.1	77.0	59.6	41.5
135	3071.7	2888.0	2371.6	1648.9	872.5	321.4	110.1	81.3	60.3	41.6
140	3071.7	2886.3	2364.6	1639.9	861.2	316.4	108.1	83.5	60.0	41.9
145	3071.7	2884.3	2360.9	1631.2	852.5	311.1	106.4	84.9	57.7	41.0
150	3071.7	2881.6	2354.2	1619.6	841.5	304.1	104.8	83.1	53.3	39.1
155	3071.7	2879.3	2348.6	1611.6	831.8	300.4	102.9	77.1	47.8	36.9
160	3071.7	2875.6	2343.2	1603.9	822.8	296.7	101.3	69.4	42.2	34.4
165	3071.7	2873.0	2336.6	1595.2	815.5	291.7	99.4	63.3	37.5	32.4
170	3071.7	2870.6	2330.9	1585.9	807.1	290.1	98.4	58.0	33.9	31.5
175	3071.7	2866.9	2324.9	1580.2	799.8	287.7	97.9	54.1	31.8	31.2
180	3071.7	2864.3	2317.5	1577.5	796.1	284.7	97.3	53.7	31.6	31.3
185	3071.7	2860.6	2309.8	1570.8	792.4	282.4	97.2	56.2	33.3	31.6
190	3071.7	2858.3	2305.8	1565.2	788.4	280.7	97.4	61.0	36.8	32.5
195	3071.7	2855.6	2303.5	1560.5	788.1	281.1	97.3	66.5	41.5	34.4
200	3071.7	2851.9	2297.8	1557.5	784.7	280.4	97.8	76.6	46.7	36.8
205	3071.7	2847.3	2292.5	1553.5	786.1	281.1	98.5	85.4	52.1	39.3
210	3071.7	2843.2	2289.8	1552.5	787.1	281.4	98.6	91.6	57.6	41.6
215	3071.7	2838.6	2285.5	1551.5	788.1	283.1	99.3	93.5	62.0	43.1
220	3071.7	2833.6	2282.1	1553.5	791.4	283.7	99.8	92.5	64.3	43.9
225	3071.7	2829.6	2277.1	1558.1	796.1	287.4	100.6	91.1	64.8	44.0
230	3071.7	2826.2	2274.1	1562.2	803.1	289.1	101.2	88.4	64.8	44.0
235	3071.7	2824.9	2275.1	1564.8	810.8	293.1	101.8	85.8	63.8	43.8

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8320H-23-30

240	3071.7	2823.6	2274.5	1569.2	817.8	296.7	102.8	81.5	61.9	43.1
245	3071.7	2823.2	2273.1	1572.8	824.1	302.8	103.6	76.3	59.9	41.9
250	3071.7	2822.6	2273.1	1575.2	832.1	307.4	104.5	71.7	56.8	40.3
255	3071.7	2821.2	2273.5	1578.2	840.8	313.8	105.3	66.0	52.4	38.3
260	3071.7	2818.9	2272.5	1580.5	852.5	320.4	106.1	59.6	49.5	36.3
265	3071.7	2816.5	2274.5	1578.5	864.5	327.8	107.8	53.9	46.3	34.9
270	3071.7	2817.5	2273.8	1585.9	875.9	336.1	109.7	50.7	43.5	34.4
275	3071.7	2818.2	2274.8	1590.9	888.2	344.8	112.4	48.9	41.6	33.9
280	3071.7	2818.5	2279.5	1595.2	900.2	353.8	116.0	49.3	40.2	33.3
285	3071.7	2818.5	2279.8	1600.2	912.3	361.2	118.9	50.0	39.3	33.4
290	3071.7	2818.5	2279.1	1601.9	922.9	370.2	122.0	51.1	39.1	34.1
295	3071.7	2818.5	2281.1	1604.9	934.0	378.9	125.6	51.8	38.6	34.9
300	3071.7	2819.2	2281.5	1608.2	943.3	387.2	129.0	53.0	38.1	35.3
305	3071.7	2818.5	2281.1	1614.2	951.3	395.5	131.8	54.0	36.3	35.2
310	3071.7	2819.5	2281.5	1616.6	959.0	403.9	134.5	54.9	35.4	35.0
315	3071.7	2820.6	2284.1	1620.2	967.0	413.2	136.4	55.7	34.3	34.4
320	3071.7	2821.6	2287.1	1623.9	974.7	421.9	138.8	56.4	34.4	33.7
325	3071.7	2822.2	2290.2	1628.6	983.4	427.6	140.8	56.7	34.5	32.9
330	3071.7	2825.2	2292.5	1633.9	993.7	434.3	142.2	56.5	34.4	32.0
335	3071.7	2828.6	2295.5	1638.6	997.7	440.9	143.3	56.6	34.3	31.2
340	3071.7	2831.2	2299.2	1645.9	1003.7	445.6	144.5	56.4	34.2	30.4
345	3071.7	2832.6	2305.2	1651.3	1009.1	450.3	146.3	56.0	34.1	29.8
350	3071.7	2833.6	2308.5	1653.3	1011.7	455.6	147.3	56.2	34.0	29.1
355	3071.7	2837.2	2306.8	1656.6	1017.1	458.6	146.8	55.9	34.1	28.5
360	3071.7	2847.6	2315.9	1666.0	1022.4	461.0	147.8	56.2	34.2	27.8

C\G	50	55	60	65	70	75	80	85	90
0	23.3	20.4	18.8	17.8	15.3	12.5	9.3	5.9	2.9
5	23.6	20.5	18.7	17.7	15.2	12.5	9.3	5.9	2.9
10	24.0	20.6	18.6	17.6	15.2	12.4	9.3	5.8	2.8
15	24.3	20.9	18.6	17.5	15.1	12.4	9.2	5.8	2.7
20	24.6	21.2	18.7	17.4	15.0	12.3	9.2	5.7	2.6
25	25.0	21.4	18.8	17.3	14.9	12.3	9.1	5.6	2.5
30	25.3	21.5	18.9	17.2	14.8	12.1	9.0	5.5	2.4
35	25.6	21.6	18.9	16.9	14.5	11.9	8.8	5.4	2.3
40	25.9	21.7	18.8	16.8	14.2	11.5	8.6	5.2	2.1
45	26.2	21.8	18.8	16.6	14.1	11.4	8.5	5.1	1.9
50	26.3	21.7	18.8	16.4	14.0	11.3	8.4	5.0	1.9
55	26.2	21.7	18.7	16.3	13.9	11.2	8.2	4.9	1.8
60	26.1	21.8	18.6	16.2	13.8	11.1	8.1	4.8	1.7
65	25.9	21.6	18.6	16.0	13.7	11.0	8.0	4.7	1.6
70	25.6	21.2	18.5	15.9	13.6	10.9	7.9	4.6	1.5
75	25.2	20.9	18.3	15.8	13.5	10.9	7.9	4.5	1.5
80	24.9	20.7	18.3	15.7	13.5	10.8	7.8	4.4	1.5
85	25.1	20.6	18.2	15.7	13.4	10.7	7.7	4.3	1.5
90	25.3	20.7	18.2	15.6	13.4	10.7	7.7	4.1	1.6
95	25.6	20.9	18.3	15.7	13.4	10.7	7.6	4.1	2.3
100	26.4	21.3	18.6	15.7	13.5	10.7	7.7	4.1	3.2

RP Lighting + Fans

Photometric Data Table [Unit:cd] 8320H-23-30

105	27.5	22.0	18.9	15.9	13.6	10.8	7.7	4.1	3.7
110	28.8	22.8	19.2	16.0	13.7	10.9	7.8	4.1	4.1
115	30.0	23.4	19.4	16.2	13.8	11.1	7.8	4.1	4.4
120	30.8	23.7	19.5	16.3	14.0	11.2	7.9	4.0	4.7
125	31.0	23.8	19.5	16.3	13.9	11.2	7.9	4.0	4.9
130	31.3	23.8	19.2	15.9	13.5	11.0	7.8	3.9	4.8
135	31.3	23.8	19.0	15.9	13.4	10.9	7.9	3.9	4.0
140	31.4	23.9	19.2	16.2	13.8	11.3	8.1	3.9	4.5
145	31.1	24.0	19.5	16.7	14.3	11.6	8.3	4.0	5.7
150	30.5	24.0	19.6	16.8	14.5	11.8	8.3	4.1	6.0
155	29.7	23.9	19.7	16.9	14.5	11.8	8.4	4.1	6.1
160	29.0	23.7	19.7	16.8	14.5	11.6	8.3	4.1	6.2
165	28.3	23.5	19.5	16.7	14.3	11.5	8.3	4.2	6.3
170	27.9	23.2	19.4	16.5	14.1	11.4	8.3	4.2	6.3
175	27.9	23.1	19.3	16.5	14.1	11.4	8.3	4.2	6.3
180	28.0	23.1	19.4	16.5	14.0	11.3	8.3	4.2	6.3
185	28.0	23.3	19.4	16.5	14.0	11.3	8.3	4.3	6.4
190	28.3	23.5	19.6	16.7	14.3	11.5	8.4	4.3	6.4
195	29.0	23.7	19.8	16.9	14.5	11.6	8.5	4.4	6.4
200	29.9	24.0	19.9	17.1	14.6	11.8	8.6	4.4	6.3
205	30.7	24.2	20.1	17.3	14.8	12.0	8.6	4.5	6.2
210	31.2	24.4	20.2	17.4	15.0	12.1	8.7	4.5	6.1
215	31.6	24.4	20.3	17.4	15.0	12.2	8.7	4.5	5.9
220	31.9	24.5	20.2	17.2	14.7	11.9	8.6	4.5	5.5
225	32.0	24.5	20.1	16.9	14.2	11.5	8.4	4.5	4.1
230	32.0	24.6	20.1	16.8	14.1	11.4	8.3	4.5	4.2
235	31.8	24.6	20.5	17.2	14.5	11.6	8.4	4.6	5.0
240	31.8	24.7	20.7	17.5	14.9	12.1	8.5	4.7	4.9
245	31.3	24.6	20.8	17.5	14.9	12.0	8.5	4.7	4.7
250	30.3	24.3	20.7	17.5	14.9	11.9	8.4	4.8	4.4
255	29.0	23.6	20.4	17.4	14.7	11.8	8.4	4.8	4.1
260	27.6	22.9	20.1	17.2	14.7	11.7	8.3	4.8	3.6
265	26.7	22.2	19.8	17.1	14.6	11.6	8.3	4.8	2.8
270	26.3	21.9	19.7	17.1	14.5	11.6	8.4	4.8	2.3
275	26.3	21.9	19.7	17.1	14.6	11.7	8.4	5.0	2.2
280	26.4	22.2	19.8	17.2	14.7	11.8	8.5	5.1	2.2
285	27.0	22.5	19.9	17.3	14.8	11.9	8.6	5.2	2.2
290	27.9	22.9	20.0	17.5	14.9	12.0	8.7	5.3	2.3
295	28.5	23.2	20.2	17.6	15.0	12.0	8.7	5.3	2.3
300	28.7	23.4	20.3	17.7	15.1	12.1	8.8	5.4	2.4
305	28.8	23.5	20.4	17.7	15.1	12.2	8.9	5.5	2.4
310	28.6	23.5	20.4	17.8	15.1	12.1	8.9	5.6	2.4
315	28.2	23.4	20.3	17.9	15.0	12.1	9.0	5.7	2.3
320	27.8	23.3	20.2	18.1	15.1	12.3	9.1	5.7	2.6
325	27.4	23.1	20.2	18.3	15.4	12.5	9.3	5.8	2.7
330	26.8	22.7	20.1	18.4	15.6	12.7	9.4	5.9	2.8
335	25.8	22.1	19.9	18.4	15.7	12.7	9.4	6.0	2.9
340	24.9	21.5	19.6	18.3	15.6	12.7	9.4	6.0	2.9
345	24.1	21.0	19.3	18.2	15.6	12.7	9.4	6.0	2.9

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8320H-23-30

350	23.5	20.6	19.1	18.1	15.5	12.6	9.4	6.0	3.0
355	23.1	20.4	18.9	18.0	15.3	12.6	9.4	5.9	2.9
360	23.3	20.4	18.8	17.8	15.3	12.5	9.3	5.9	2.9

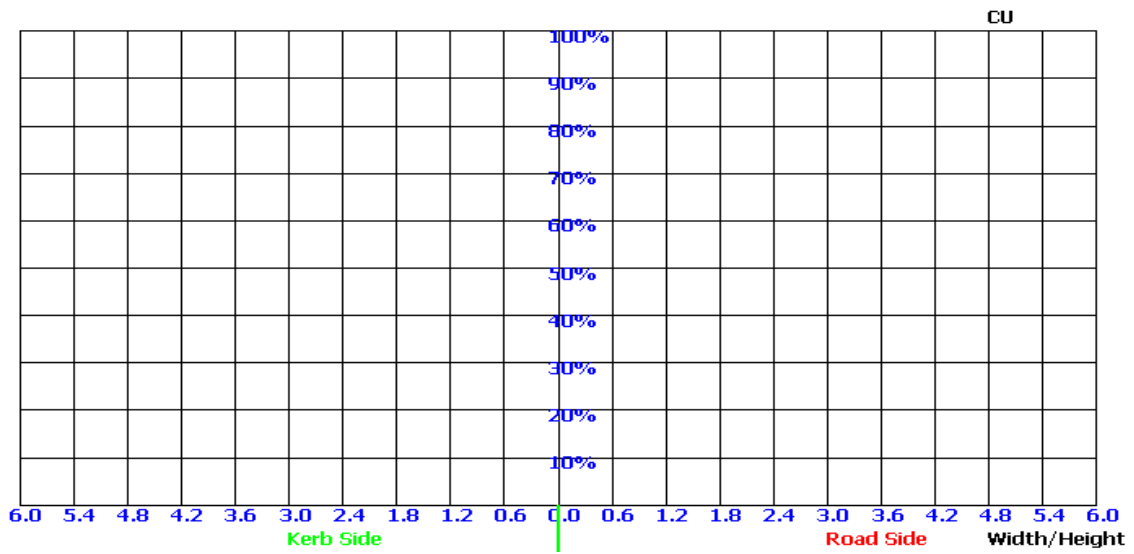
RP Lighting + Fans Zonal Flux

8320H-23-30

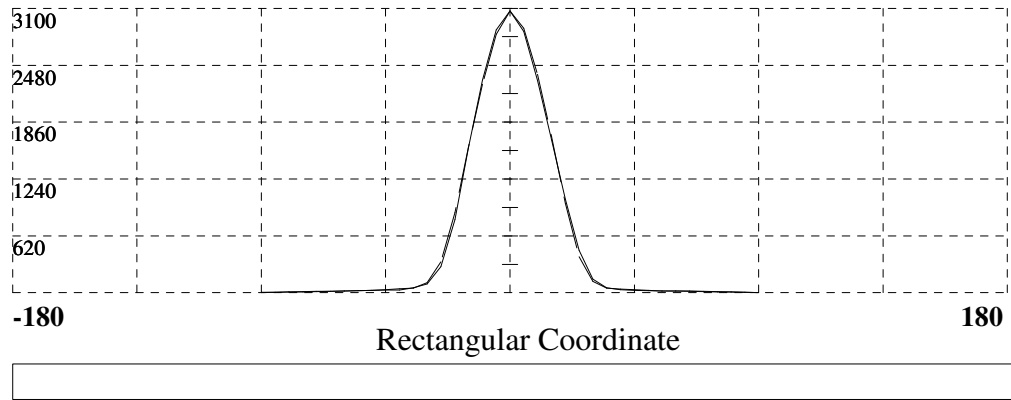
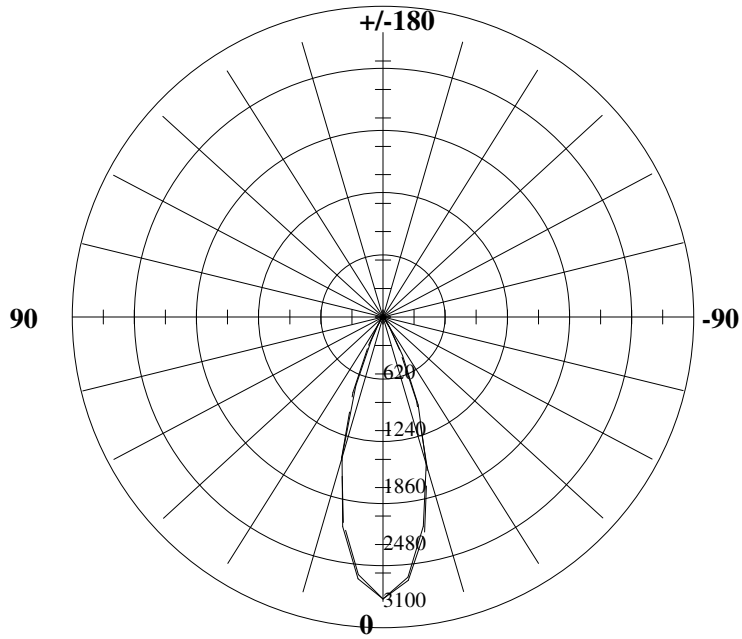
Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	3071.66	0.00	0.00	0.00	0.00
5	2851.94	70.81	70.81	-7081.50	-7081.50
10	2320.62	185.04	255.85	-18503.87	-25585.37
15	1629.70	234.33	490.18	-23433.03	-49018.38
20	916.67	209.86	700.04	-20985.68	-70004.05
25	368.96	134.84	834.88	-13483.95	-83487.99
30	122.10	62.14	897.02	-6214.42	-89702.43
35	63.01	27.26	924.28	-2725.81	-92428.25
40	43.19	17.72	942.00	-1771.83	-94200.07
45	34.70	14.42	956.42	-1442.17	-95642.24
50	27.75	12.62	969.04	-1261.91	-96904.16
55	22.66	10.96	980.00	-1096.13	-98000.26
60	19.46	9.74	989.74	-973.52	-98973.74
65	16.96	8.85	998.59	-885.41	-99859.12
70	14.47	7.96	1006.55	-795.99	-100655.09
75	11.71	6.84	1013.39	-684.33	-101339.40
80	8.52	5.41	1018.81	-541.18	-101880.55
85	4.84	3.63	1022.44	-362.96	-102243.53
90	3.65	2.32	1024.76	-232.38	-102475.94

RP Lighting + Fans

Coefficient Utilization Curve 8320H-23-30

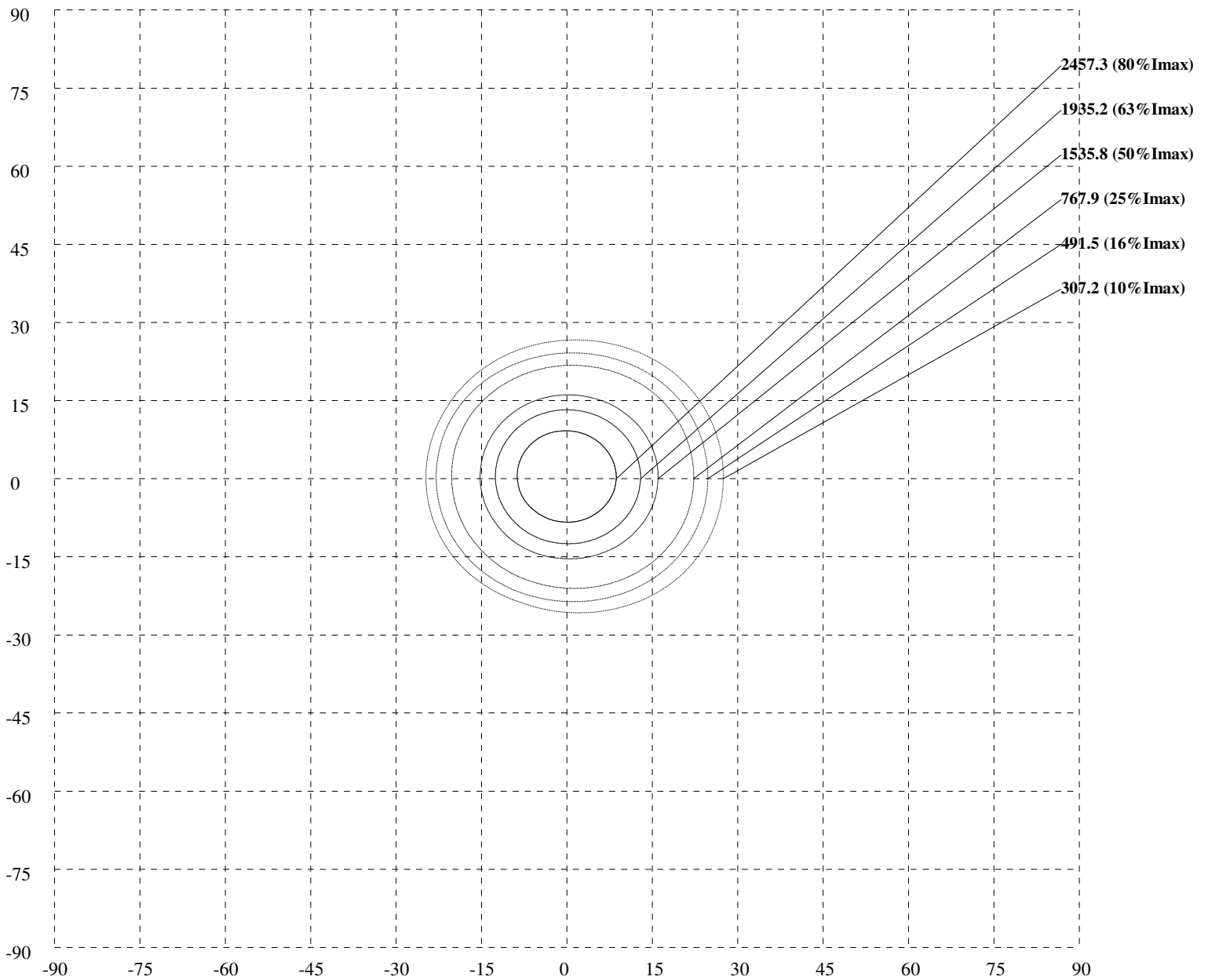


Light Distribution Curve[Unit: cd]



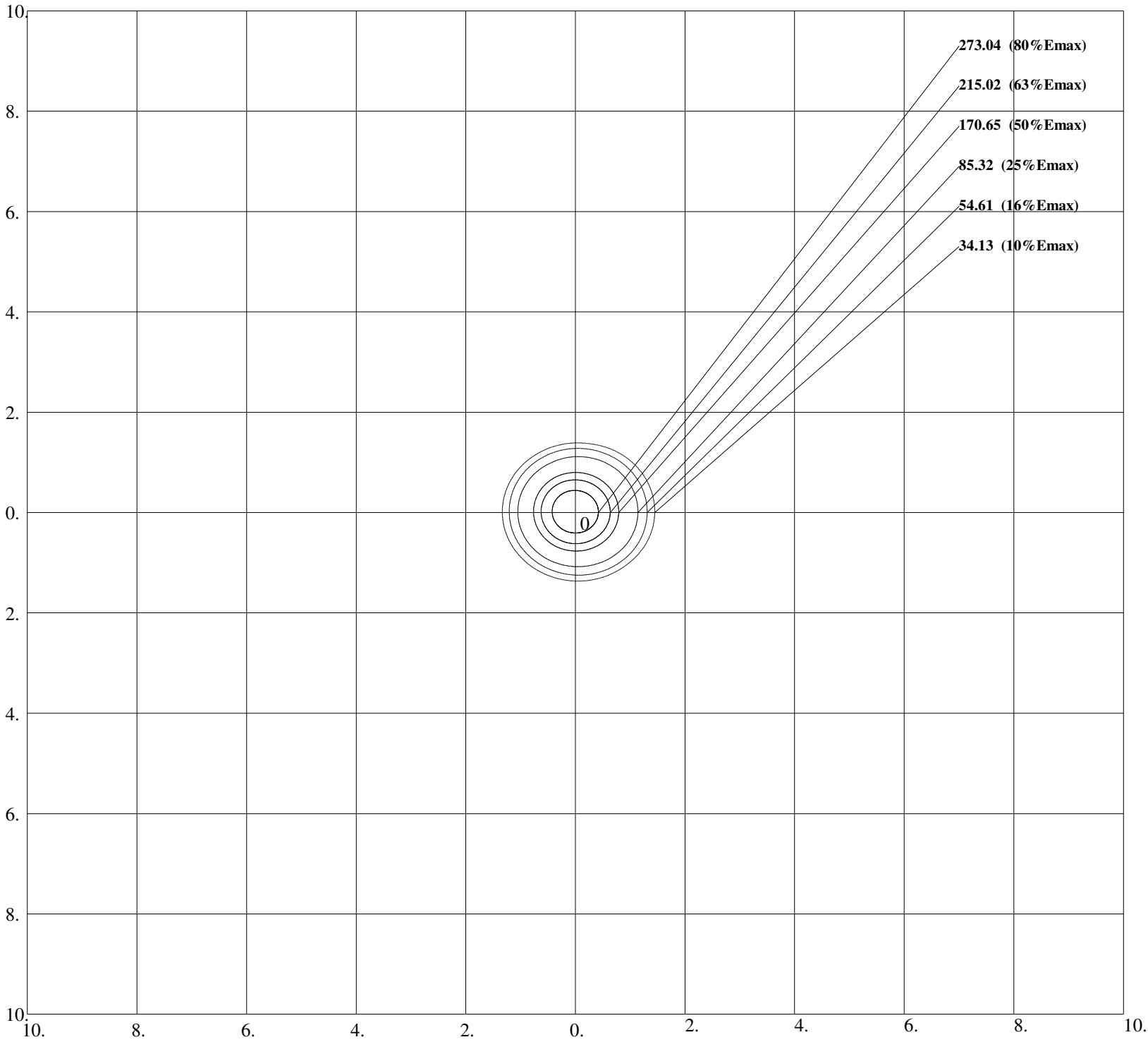
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8320H-23-30



RP Lighting + Fans

Iso-Lux [Unit :lx] 8320H-23-30



Units: lx
Height: 3 m
Max Illuminance : 341.3lx

RP Lighting + Fans

Lux-Distance Curve

