

Test Report of Luminaire

Report No.:

Luminaire Type	8538-90-3000K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2887K, CRI: 93.4Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.137
Power:	15.1	Power Factor	0.915
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	867.24 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	348.709cd	Central Intensity	348.709cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	-0.01%		
Downward Flux Ratio	-86724.15%		
50%Imax Beam Width	C0_180[49.5 , -50.2] C90_270[50.1 , -49.7]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3000K

C\G	0	5	10	15	20	25	30	35	40	45
0	348.7	344.4	335.7	323.4	307.8	289.3	268.1	245.5	221.6	196.9
5	348.7	344.3	335.7	323.5	307.8	289.3	268.3	245.6	221.7	197.0
10	348.7	344.4	335.7	323.5	307.9	289.5	268.4	245.8	221.8	197.1
15	348.7	344.3	335.7	323.6	307.9	289.5	268.5	245.8	221.9	197.2
20	348.7	344.3	335.7	323.5	308.1	289.6	268.7	246.0	222.0	197.3
25	348.7	344.2	335.7	323.5	308.1	289.6	268.8	246.1	222.2	197.5
30	348.7	344.4	335.8	323.7	308.2	289.7	268.9	246.2	222.3	197.7
35	348.7	344.3	335.9	323.7	308.4	290.0	269.1	246.4	222.5	197.9
40	348.7	344.4	335.9	324.2	308.4	290.1	269.2	246.6	222.7	198.1
45	348.7	344.5	336.0	323.9	308.7	290.2	269.4	246.8	222.9	198.3
50	348.7	344.4	336.1	324.1	308.7	290.4	269.5	247.0	223.1	198.4
55	348.7	344.4	336.1	324.3	308.9	290.6	269.9	247.2	223.3	198.6
60	348.7	344.3	336.2	324.4	309.0	290.8	270.2	247.4	223.5	198.7
65	348.7	344.4	336.2	324.5	309.2	290.9	270.3	247.7	223.7	199.0
70	348.7	344.4	336.4	324.5	309.4	291.1	270.5	247.8	224.0	199.2
75	348.7	344.5	336.4	324.6	309.5	291.4	270.7	248.1	224.1	199.4
80	348.7	344.5	336.5	324.6	309.6	291.5	270.8	248.1	224.3	199.6
85	348.7	344.5	336.5	324.9	309.7	291.6	270.9	248.3	224.5	199.8
90	348.7	344.6	336.6	324.9	309.9	291.8	271.1	248.5	224.7	200.0
95	348.7	344.7	336.7	325.1	309.8	291.9	271.1	248.7	224.9	200.2
100	348.7	344.7	336.7	325.2	310.0	292.1	271.4	248.9	225.0	200.2
105	348.7	344.5	336.8	325.3	310.1	292.2	271.5	249.0	225.1	200.3
110	348.7	344.6	336.8	325.4	310.3	292.4	271.7	249.1	225.2	200.5
115	348.7	344.5	336.9	325.4	310.3	292.4	271.7	249.2	225.3	200.5
120	348.7	344.6	336.9	325.5	310.4	292.5	271.8	249.3	225.4	200.5
125	348.7	344.6	336.9	325.5	310.5	292.5	271.9	249.4	225.5	200.7
130	348.7	344.6	337.0	325.6	310.7	292.6	272.0	249.4	225.5	200.7
135	348.7	344.6	337.0	325.6	310.8	292.7	272.0	249.6	225.6	200.7
140	348.7	344.6	337.0	325.6	310.7	292.7	272.1	249.5	225.5	200.8
145	348.7	344.6	337.0	325.6	310.8	292.8	272.2	249.5	225.7	200.8
150	348.7	344.6	337.0	325.8	310.8	292.9	272.3	249.5	225.6	200.7
155	348.7	344.6	337.0	325.7	310.8	292.9	272.3	249.7	225.7	200.8
160	348.7	344.6	337.0	325.7	310.9	292.9	272.2	249.6	225.7	200.8
165	348.7	344.6	337.0	325.7	310.9	292.8	272.1	249.6	225.6	200.7
170	348.7	344.6	336.9	325.6	310.9	292.9	272.2	249.5	225.6	200.7
175	348.7	344.5	336.9	325.6	310.8	292.8	272.0	249.5	225.5	200.7
180	348.7	344.6	336.9	325.5	310.8	292.7	272.1	249.4	225.5	200.6
185	348.7	344.4	336.9	325.6	310.6	292.5	272.0	249.3	225.4	200.5
190	348.7	344.5	336.8	325.5	310.6	292.7	271.9	249.3	225.4	200.5
195	348.7	344.3	336.8	325.4	310.5	292.6	271.8	249.2	225.3	200.4
200	348.7	344.3	336.7	325.3	310.3	292.4	271.8	249.1	225.1	200.3
205	348.7	344.4	336.6	325.3	310.3	292.2	271.6	248.9	225.0	200.2
210	348.7	344.2	336.6	325.2	310.1	292.1	271.4	248.8	224.9	200.0
215	348.7	344.1	336.5	325.0	310.1	291.9	271.3	248.7	224.8	199.9
220	348.7	344.1	336.5	325.0	309.8	291.8	271.1	248.6	224.5	199.7
225	348.7	344.1	336.3	324.8	309.8	291.8	270.9	248.5	224.4	199.6
230	348.7	344.0	336.2	324.8	309.6	291.6	270.8	248.2	224.3	199.3
235	348.7	344.0	336.1	324.7	309.5	291.5	270.6	248.0	224.0	199.2

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3000K

240	348.7	343.8	336.0	324.4	309.3	291.2	270.4	247.8	223.7	199.0
245	348.7	343.9	335.9	324.3	309.2	291.0	270.3	247.5	223.6	198.9
250	348.7	343.8	335.9	324.2	309.0	290.9	270.0	247.4	223.4	198.7
255	348.7	343.8	335.7	324.1	308.9	290.7	269.9	247.2	223.2	198.5
260	348.7	343.7	335.6	324.0	308.7	290.6	269.7	247.0	223.0	198.3
265	348.7	343.7	335.6	323.8	308.5	290.4	269.5	246.8	222.8	198.1
270	348.7	343.6	335.5	323.6	308.5	290.3	269.3	246.6	222.7	198.0
275	348.7	343.5	335.5	323.6	308.2	290.0	269.2	246.5	222.5	197.7
280	348.7	343.5	335.4	323.5	308.1	289.9	269.0	246.4	222.3	197.6
285	348.7	343.4	335.4	323.4	308.0	289.8	268.9	246.1	222.2	197.4
290	348.7	343.4	335.3	323.3	307.9	289.5	268.8	246.0	222.0	197.3
295	348.7	343.4	335.1	323.2	307.8	289.4	268.6	245.9	222.0	197.2
300	348.7	343.3	335.0	323.2	307.7	289.3	268.4	245.7	221.9	197.1
305	348.7	343.3	335.0	323.1	307.7	289.2	268.4	245.7	221.8	197.0
310	348.7	343.2	335.0	323.1	307.6	289.1	268.3	245.5	221.7	196.9
315	348.7	343.2	334.9	323.0	307.5	289.0	268.2	245.5	221.5	196.9
320	348.7	343.1	334.9	322.9	307.5	289.0	268.1	245.4	221.5	196.8
325	348.7	343.2	334.7	322.8	307.4	288.9	268.0	245.3	221.4	196.7
330	348.7	343.1	334.6	322.8	307.4	288.9	268.0	245.3	221.4	196.7
335	348.7	343.1	334.8	322.9	307.3	289.0	268.0	245.3	221.4	196.7
340	348.7	343.1	334.7	322.8	307.3	288.9	268.0	245.3	221.4	196.7
345	348.7	343.0	334.8	322.9	307.3	288.9	268.1	245.3	221.4	196.8
350	348.7	343.0	334.8	322.8	307.3	289.0	268.1	245.4	221.4	196.8
355	348.7	343.1	334.9	322.9	307.4	289.0	268.1	245.5	221.6	196.8
360	348.7	344.4	335.7	323.4	307.8	289.3	268.1	245.5	221.6	196.9

C\G	50	55	60	65	70	75	80	85	90
0	171.9	146.9	122.0	97.5	73.5	50.5	29.5	12.2	0.8
5	172.0	146.9	122.1	97.6	73.5	50.5	29.5	12.2	0.8
10	172.1	147.0	122.2	97.6	73.5	50.6	29.5	12.2	0.8
15	172.1	147.1	122.3	97.7	73.6	50.6	29.5	12.2	0.7
20	172.3	147.3	122.3	97.8	73.7	50.6	29.5	12.2	0.7
25	172.5	147.4	122.5	97.9	73.7	50.7	29.6	12.2	0.7
30	172.6	147.6	122.6	98.0	73.8	50.8	29.6	12.2	0.7
35	172.8	147.7	122.8	98.1	73.9	50.8	29.6	12.2	0.6
40	172.9	147.9	122.9	98.3	74.1	50.9	29.7	12.3	0.6
45	173.2	148.1	123.0	98.4	74.2	51.1	29.8	12.3	0.6
50	173.4	148.2	123.2	98.6	74.3	51.2	29.9	12.4	0.6
55	173.6	148.4	123.4	98.8	74.5	51.3	30.0	12.5	0.6
60	173.8	148.6	123.6	98.9	74.6	51.4	30.1	12.6	0.6
65	174.0	148.8	123.8	99.1	74.8	51.5	30.2	12.6	0.6
70	174.2	149.0	123.9	99.2	74.9	51.6	30.3	12.7	0.6
75	174.4	149.1	124.1	99.3	75.0	51.7	30.4	12.7	0.7
80	174.5	149.3	124.2	99.4	75.1	51.8	30.5	12.8	0.7
85	174.7	149.4	124.4	99.6	75.2	51.9	30.6	12.8	0.7
90	174.9	149.6	124.5	99.7	75.2	52.0	30.6	12.9	0.7
95	174.9	149.7	124.6	99.7	75.4	52.0	30.7	12.9	0.7
100	175.1	149.8	124.7	99.9	75.5	52.1	30.7	12.9	0.7

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3000K

105	175.2	149.9	124.8	99.9	75.5	52.1	30.7	12.9	0.7
110	175.3	149.9	124.8	100.0	75.5	52.1	30.7	13.0	0.7
115	175.3	150.0	124.9	100.0	75.6	52.2	30.7	13.0	0.8
120	175.4	150.1	124.9	100.0	75.6	52.2	30.8	13.0	0.8
125	175.5	150.2	125.0	100.1	75.6	52.2	30.8	12.9	0.8
130	175.5	150.2	125.0	100.1	75.6	52.2	30.7	13.0	0.8
135	175.5	150.2	125.0	100.1	75.6	52.2	30.7	13.0	0.8
140	175.5	150.2	125.0	100.1	75.6	52.2	30.7	13.0	0.8
145	175.6	150.2	125.1	100.1	75.6	52.1	30.7	12.9	0.8
150	175.5	150.2	125.1	100.0	75.6	52.1	30.7	12.9	0.9
155	175.6	150.2	125.0	100.0	75.6	52.1	30.7	12.9	0.9
160	175.5	150.2	124.9	100.0	75.6	52.1	30.7	12.9	0.9
165	175.5	150.2	124.9	100.0	75.5	52.1	30.6	12.9	1.0
170	175.6	150.1	124.9	99.9	75.5	52.0	30.6	12.9	1.0
175	175.4	150.0	124.9	99.9	75.4	51.9	30.5	12.9	1.0
180	175.4	150.0	124.8	99.8	75.4	51.9	30.5	12.8	1.0
185	175.3	149.9	124.7	99.7	75.3	51.8	30.4	12.8	1.0
190	175.3	149.9	124.6	99.6	75.2	51.8	30.4	12.8	1.1
195	175.2	149.8	124.5	99.6	75.1	51.7	30.3	12.7	1.1
200	175.0	149.6	124.5	99.5	75.0	51.6	30.3	12.7	1.1
205	174.9	149.5	124.4	99.4	75.0	51.6	30.2	12.7	1.1
210	174.8	149.4	124.3	99.3	74.9	51.5	30.2	12.6	1.2
215	174.7	149.4	124.1	99.2	74.8	51.5	30.2	12.6	1.2
220	174.5	149.2	124.1	99.1	74.8	51.5	30.2	12.6	1.2
225	174.4	149.0	123.9	99.0	74.7	51.4	30.2	12.7	1.2
230	174.2	148.9	123.8	98.9	74.6	51.4	30.2	12.7	1.3
235	174.0	148.8	123.6	98.8	74.5	51.3	30.2	12.7	1.3
240	173.8	148.6	123.5	98.7	74.5	51.3	30.1	12.8	1.3
245	173.6	148.4	123.4	98.6	74.4	51.2	30.1	12.8	1.3
250	173.5	148.3	123.3	98.5	74.3	51.2	30.1	12.8	1.3
255	173.4	148.1	123.2	98.4	74.3	51.2	30.1	12.8	1.4
260	173.1	148.0	123.0	98.3	74.2	51.1	30.1	12.8	1.3
265	173.0	147.9	122.9	98.2	74.1	51.1	30.0	12.8	1.4
270	172.9	147.7	122.8	98.1	74.1	51.0	30.0	12.7	1.3
275	172.6	147.6	122.7	98.0	74.0	51.0	30.0	12.7	1.3
280	172.6	147.5	122.6	98.0	74.0	51.0	30.0	12.7	1.3
285	172.4	147.3	122.5	97.9	73.9	50.9	29.9	12.7	1.3
290	172.3	147.2	122.4	97.8	73.9	50.9	29.9	12.6	1.3
295	172.2	147.2	122.3	97.8	73.8	50.8	29.9	12.6	1.3
300	172.1	147.0	122.3	97.7	73.7	50.8	29.9	12.6	1.3
305	172.0	147.0	122.1	97.7	73.7	50.7	29.8	12.5	1.2
310	171.9	146.9	122.1	97.6	73.6	50.7	29.8	12.5	1.2
315	171.9	146.9	122.0	97.6	73.6	50.7	29.7	12.5	1.2
320	171.8	146.8	122.0	97.5	73.6	50.6	29.7	12.4	1.1
325	171.8	146.8	121.9	97.5	73.5	50.6	29.7	12.4	1.1
330	171.8	146.7	121.9	97.4	73.5	50.5	29.6	12.4	1.0
335	171.7	146.7	121.9	97.4	73.5	50.5	29.6	12.4	1.0
340	171.8	146.7	121.9	97.4	73.5	50.5	29.6	12.3	1.0
345	171.7	146.7	121.9	97.4	73.4	50.5	29.6	12.3	0.9

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3000K

350	171.7	146.8	122.0	97.4	73.4	50.5	29.5	12.3	0.9
355	171.8	146.8	122.0	97.5	73.5	50.5	29.5	12.3	0.9
360	171.9	146.9	122.0	97.5	73.5	50.5	29.5	12.2	0.8

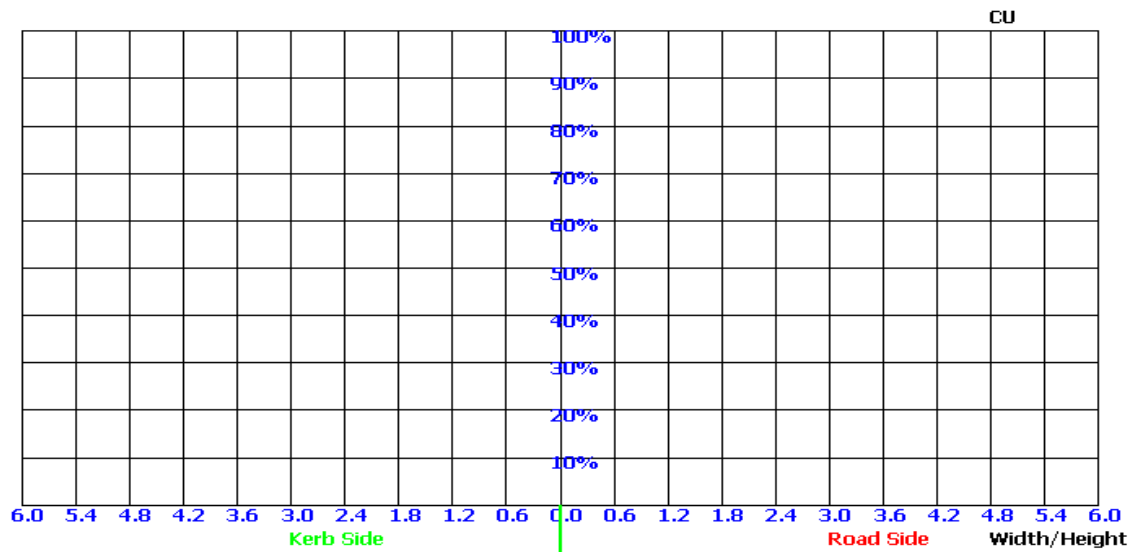
RP Lighting + Fans

Zonal Flux 8538-90-3000K

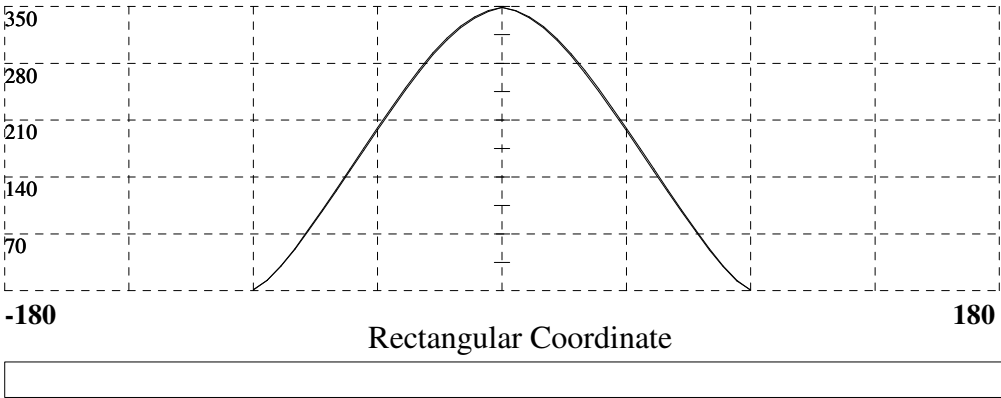
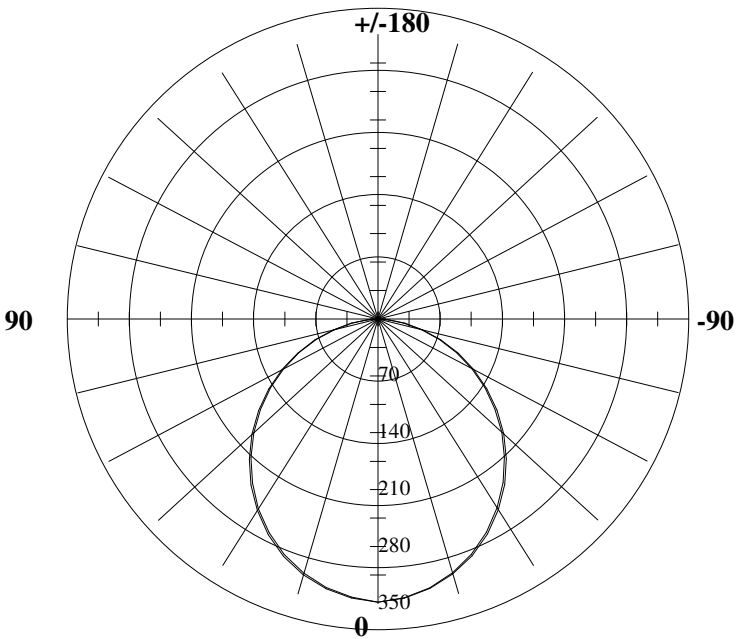
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	348.71	0.00	0.00	0.00	0.00
5	344.09	8.28	8.28	-828.22	-828.22
10	336.05	24.33	32.61	-2433.07	-3261.29
15	324.37	39.18	71.79	-3917.60	-7178.88
20	309.13	52.21	124.00	-5220.96	-12399.85
25	290.96	62.94	186.94	-6293.81	-18693.66
30	270.17	71.01	257.95	-7101.12	-25794.77
35	247.55	76.24	334.19	-7623.78	-33418.55
40	223.62	78.61	412.80	-7861.01	-41279.56
45	198.85	78.22	491.02	-7822.35	-49101.91
50	173.74	75.29	566.31	-7528.75	-56630.65
55	148.55	70.08	636.38	-7007.59	-63638.24
60	123.52	62.89	699.27	-6288.69	-69926.93
65	98.77	54.04	753.31	-5403.95	-75330.89
70	74.54	43.88	797.19	-4388.49	-79719.37
75	51.34	32.90	830.10	-3290.37	-83009.74
80	30.14	21.80	851.90	-2180.32	-85190.06
85	12.62	11.62	863.52	-1162.08	-86352.14
90	0.97	3.72	867.24	-372.03	-86724.19

RP Lighting + Fans

Coefficient Utilization Curve 8538-90-3000K

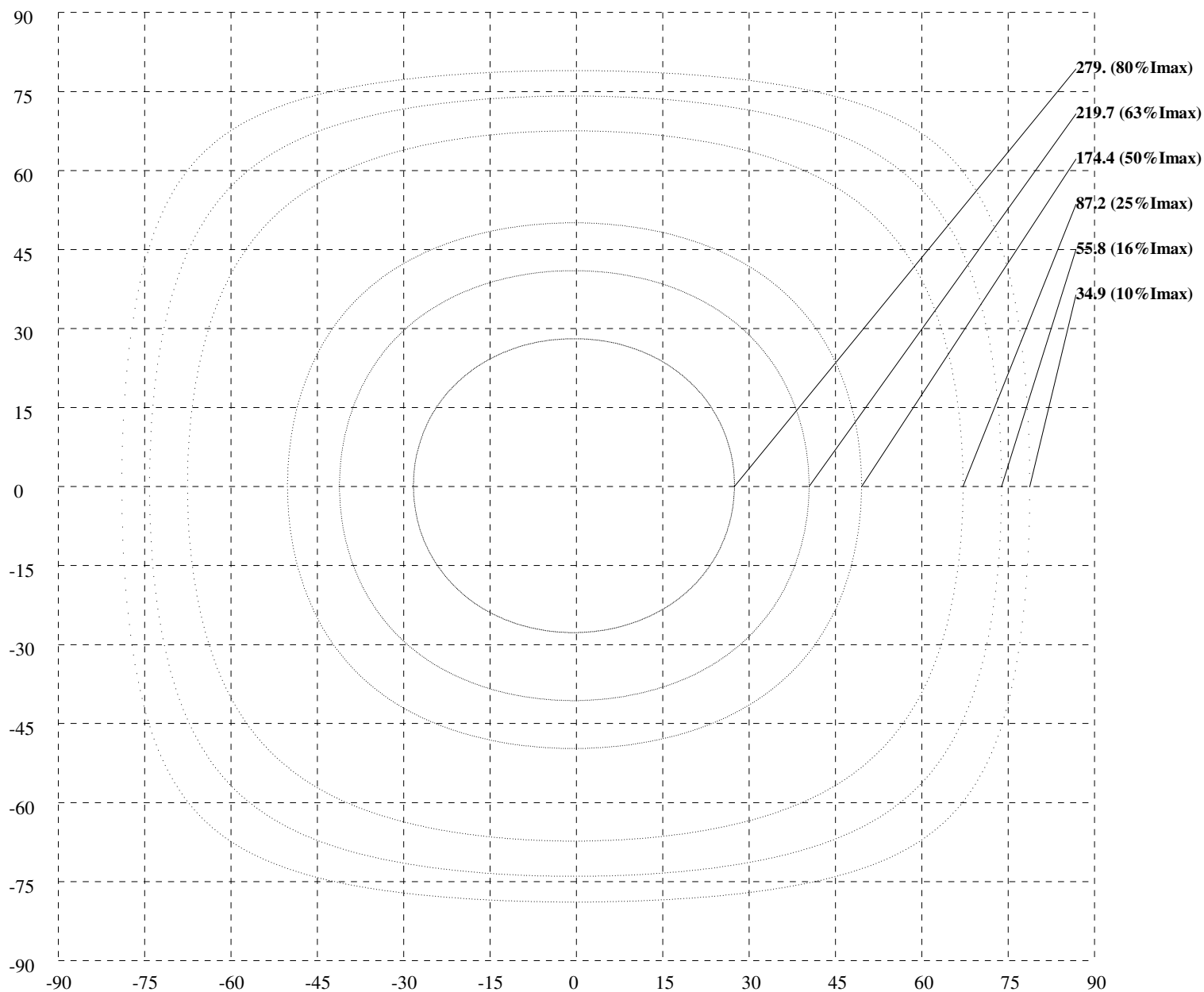


Light Distribution Curve[Unit: cd]



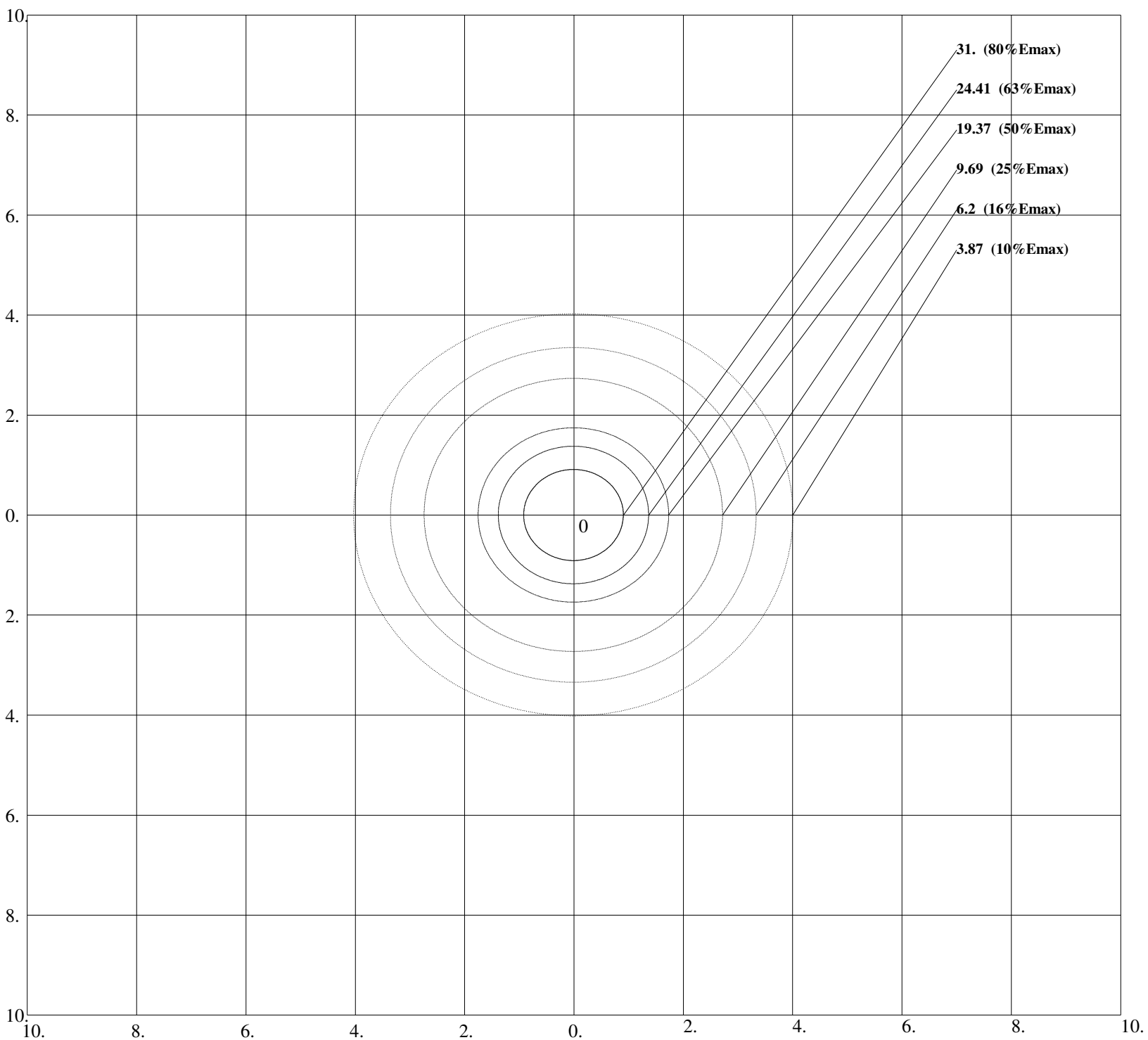
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-90-3000K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-90-3000K



Units: lx
Height: 3 m
Max Illuminance : 38.75lx

RP Lighting + Fans

Lux-Distance Curve

