

Test Report of Luminaire

Report No.:

Luminaire Type	8538-90-2700K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2644K, CRI: 92.2Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.137
Power:	15.0	Power Factor	0.915
Frequency:	60Hz	Tc	2700K
Photometric Parameters			
Luminaire Flux	817.48 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	327.434cd	Central Intensity	327.434cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-81747.67%		
50%Imax Beam Width	C0_180[49.7 , -50.3] C90_270[50.2 , -49.9]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-2700K

C\G	0	5	10	15	20	25	30	35	40	45
0	327.4	324.0	316.1	304.9	290.1	272.8	253.0	231.6	209.0	185.7
5	327.4	324.0	316.2	304.9	290.2	272.9	253.2	231.7	209.1	185.7
10	327.4	324.0	316.2	305.0	290.2	273.0	253.3	231.8	209.2	185.9
15	327.4	324.0	316.3	305.1	290.3	273.1	253.3	231.9	209.4	186.0
20	327.4	323.9	316.3	305.1	290.4	273.2	253.5	232.1	209.4	186.1
25	327.4	324.1	316.3	305.1	290.5	273.3	253.6	232.2	209.6	186.3
30	327.4	324.0	316.3	305.2	290.6	273.4	253.6	232.3	209.7	186.4
35	327.4	324.0	316.4	305.3	290.7	273.5	253.8	232.5	209.9	186.6
40	327.4	324.0	316.4	305.3	290.8	273.6	254.0	232.6	210.0	186.8
45	327.4	324.2	316.4	305.4	290.9	273.7	254.2	232.9	210.2	187.0
50	327.4	324.2	316.5	305.5	291.0	273.8	254.3	233.0	210.5	187.1
55	327.4	324.2	316.6	305.6	291.2	274.0	254.5	233.3	210.7	187.3
60	327.4	324.1	316.7	305.7	291.3	274.2	254.7	233.4	210.9	187.5
65	327.4	324.1	316.8	305.9	291.5	274.4	254.9	233.6	211.0	187.7
70	327.4	324.2	316.8	305.9	291.8	274.6	255.1	233.9	211.2	187.9
75	327.4	324.2	316.9	306.0	292.0	274.7	255.3	234.0	211.4	188.1
80	327.4	324.3	317.0	306.2	292.0	274.8	255.5	234.2	211.5	188.3
85	327.4	324.3	317.1	306.2	292.1	275.0	255.6	234.3	211.8	188.4
90	327.4	324.3	317.1	306.3	292.2	275.1	255.7	234.4	211.9	188.6
95	327.4	324.3	317.2	306.4	292.3	275.2	255.8	234.6	212.1	188.7
100	327.4	324.4	317.2	306.4	292.4	275.4	256.0	234.7	212.2	188.8
105	327.4	324.4	317.3	306.6	292.6	275.5	256.3	234.8	212.4	188.9
110	327.4	324.3	317.3	306.7	292.6	275.7	256.2	234.9	212.4	189.0
115	327.4	324.4	317.4	306.8	292.7	275.7	256.4	235.1	212.5	189.1
120	327.4	324.4	317.4	306.9	292.8	275.8	256.4	235.1	212.6	189.2
125	327.4	324.3	317.5	306.9	292.8	275.9	256.5	235.2	212.6	189.2
130	327.4	324.4	317.5	306.9	292.8	276.0	256.6	235.3	212.7	189.2
135	327.4	324.4	317.5	307.1	292.9	276.0	256.6	235.4	212.7	189.3
140	327.4	324.4	317.6	307.0	292.9	276.1	256.6	235.4	212.8	189.3
145	327.4	324.5	317.5	307.1	293.0	276.1	256.7	235.4	212.8	189.4
150	327.4	324.5	317.6	307.1	293.0	276.1	256.7	235.5	212.8	189.4
155	327.4	324.5	317.5	307.1	293.0	276.1	256.7	235.6	212.8	189.4
160	327.4	324.5	317.5	307.1	293.0	276.2	256.8	235.4	212.8	189.4
165	327.4	324.4	317.5	307.1	293.0	276.0	256.7	235.4	212.8	189.3
170	327.4	324.4	317.5	307.1	293.0	276.1	256.7	235.4	212.7	189.3
175	327.4	324.4	317.5	307.0	292.9	276.1	256.6	235.4	212.7	189.2
180	327.4	324.3	317.4	307.0	292.9	276.0	256.6	235.4	212.7	189.2
185	327.4	324.2	317.5	306.9	292.9	275.9	256.5	235.3	212.7	189.1
190	327.4	324.2	317.3	306.9	292.8	275.9	256.4	235.1	212.6	189.1
195	327.4	324.1	317.3	306.8	292.7	275.7	256.3	235.1	212.5	189.0
200	327.4	324.1	317.2	306.7	292.7	275.6	256.2	235.0	212.4	188.9
205	327.4	324.1	317.1	306.6	292.5	275.5	256.1	234.9	212.2	188.8
210	327.4	324.0	317.2	306.5	292.5	275.4	255.9	234.7	212.1	188.6
215	327.4	324.1	317.0	306.5	292.3	275.3	255.8	234.6	211.9	188.5
220	327.4	324.0	317.0	306.4	292.2	275.1	255.6	234.4	211.7	188.3
225	327.4	324.0	316.9	306.3	292.1	275.0	255.5	234.3	211.6	188.2
230	327.4	323.9	316.8	306.2	291.9	274.8	255.3	234.1	211.5	188.0
235	327.4	323.8	316.8	306.0	291.8	274.7	255.1	233.9	211.2	187.9

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-2700K

240	327.4	323.7	316.7	305.9	291.6	274.6	255.0	233.7	211.1	187.7
245	327.4	323.8	316.5	305.8	291.5	274.4	254.8	233.5	210.9	187.5
250	327.4	323.7	316.5	305.7	291.3	274.2	254.6	233.3	210.7	187.3
255	327.4	323.6	316.4	305.5	291.2	274.0	254.5	233.1	210.5	187.1
260	327.4	323.6	316.3	305.5	291.1	273.8	254.2	232.9	210.3	186.9
265	327.4	323.7	316.3	305.3	290.9	273.8	254.1	232.7	210.2	186.8
270	327.4	323.5	316.2	305.3	290.8	273.7	254.0	232.7	210.0	186.7
275	327.4	323.6	316.2	305.2	290.7	273.5	253.8	232.4	209.9	186.5
280	327.4	323.4	316.1	305.1	290.6	273.3	253.7	232.4	209.7	186.4
285	327.4	323.4	316.0	305.0	290.5	273.2	253.5	232.2	209.6	186.3
290	327.4	323.3	315.9	304.8	290.4	273.0	253.4	232.1	209.5	186.1
295	327.4	323.3	315.8	304.8	290.3	273.0	253.3	232.0	209.3	186.1
300	327.4	323.3	315.8	304.7	290.2	272.9	253.2	231.8	209.2	186.0
305	327.4	323.3	315.7	304.7	290.1	272.8	253.0	231.8	209.1	185.9
310	327.4	323.3	315.7	304.6	290.0	272.7	253.0	231.7	209.1	185.8
315	327.4	323.3	315.6	304.6	289.9	272.7	252.9	231.6	209.0	185.8
320	327.4	323.2	315.6	304.5	290.0	272.6	252.9	231.6	209.0	185.7
325	327.4	323.2	315.5	304.4	290.0	272.5	252.8	231.5	209.0	185.6
330	327.4	323.2	315.5	304.5	289.9	272.5	252.8	231.5	208.9	185.6
335	327.4	323.1	315.5	304.4	290.0	272.5	252.8	231.5	208.9	185.5
340	327.4	323.2	315.6	304.4	289.9	272.5	252.7	231.5	208.8	185.6
345	327.4	323.0	315.7	304.3	289.8	272.6	252.9	231.5	208.9	185.6
350	327.4	323.2	315.6	304.4	289.8	272.6	252.8	231.5	208.9	185.6
355	327.4	323.1	315.6	304.4	289.8	272.5	252.9	231.5	208.9	185.6
360	327.4	324.0	316.1	304.9	290.1	272.8	253.0	231.6	209.0	185.7

C\G	50	55	60	65	70	75	80	85	90
0	162.1	138.5	115.0	91.8	69.2	47.5	27.6	11.4	0.8
5	162.2	138.5	115.1	91.9	69.2	47.5	27.7	11.4	0.8
10	162.3	138.6	115.1	91.9	69.2	47.5	27.6	11.4	0.8
15	162.4	138.7	115.2	92.0	69.3	47.5	27.6	11.3	0.7
20	162.5	138.8	115.3	92.1	69.3	47.5	27.7	11.3	0.7
25	162.6	138.9	115.4	92.2	69.4	47.6	27.7	11.3	0.7
30	162.8	139.1	115.5	92.3	69.5	47.7	27.7	11.3	0.7
35	162.9	139.3	115.7	92.4	69.6	47.7	27.8	11.4	0.7
40	163.1	139.4	115.8	92.5	69.7	47.9	27.9	11.4	0.6
45	163.3	139.6	116.0	92.7	69.8	47.9	28.0	11.5	0.6
50	163.5	139.7	116.1	92.8	70.0	48.0	28.1	11.6	0.6
55	163.6	139.9	116.3	93.0	70.1	48.2	28.2	11.7	0.6
60	163.9	140.1	116.5	93.1	70.2	48.3	28.2	11.7	0.6
65	164.1	140.3	116.6	93.3	70.4	48.4	28.4	11.8	0.6
70	164.2	140.5	116.8	93.4	70.5	48.5	28.5	11.9	0.6
75	164.4	140.7	116.9	93.5	70.6	48.6	28.5	11.9	0.6
80	164.5	140.8	117.1	93.6	70.7	48.7	28.6	12.0	0.7
85	164.7	140.9	117.3	93.8	70.8	48.8	28.7	12.0	0.7
90	164.9	141.1	117.4	93.9	70.9	48.9	28.7	12.0	0.7
95	165.0	141.2	117.5	94.0	71.0	48.9	28.8	12.1	0.7
100	165.1	141.3	117.5	94.1	71.0	48.9	28.8	12.1	0.7

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-2700K

105	165.2	141.4	117.7	94.2	71.1	49.0	28.9	12.1	0.7
110	165.3	141.5	117.7	94.2	71.1	49.0	28.9	12.2	0.7
115	165.4	141.5	117.8	94.2	71.2	49.1	28.9	12.2	0.7
120	165.4	141.5	117.8	94.3	71.2	49.1	28.9	12.2	0.8
125	165.5	141.6	117.8	94.3	71.2	49.1	28.9	12.2	0.8
130	165.5	141.5	117.9	94.3	71.2	49.1	28.9	12.2	0.8
135	165.6	141.6	117.9	94.3	71.2	49.1	28.9	12.2	0.8
140	165.6	141.6	117.9	94.4	71.2	49.1	28.9	12.2	0.8
145	165.6	141.6	117.9	94.3	71.2	49.1	28.9	12.2	0.8
150	165.6	141.6	117.9	94.3	71.2	49.1	28.9	12.2	0.8
155	165.6	141.6	117.8	94.2	71.2	49.0	28.8	12.2	0.8
160	165.5	141.6	117.8	94.2	71.2	49.0	28.8	12.1	0.9
165	165.5	141.6	117.8	94.2	71.1	49.0	28.8	12.1	0.9
170	165.5	141.6	117.7	94.1	71.1	48.9	28.8	12.1	0.9
175	165.4	141.5	117.7	94.1	71.0	48.9	28.7	12.1	0.9
180	165.4	141.4	117.6	94.1	71.0	48.8	28.6	12.0	1.0
185	165.3	141.4	117.6	94.0	70.9	48.8	28.6	12.0	1.0
190	165.2	141.3	117.5	93.9	70.8	48.7	28.6	12.0	1.0
195	165.1	141.2	117.4	93.8	70.8	48.7	28.5	11.9	1.0
200	165.1	141.1	117.3	93.8	70.7	48.6	28.5	11.9	1.1
205	164.9	141.0	117.2	93.7	70.6	48.5	28.4	11.9	1.1
210	164.9	140.9	117.1	93.6	70.5	48.5	28.4	11.9	1.1
215	164.7	140.8	117.0	93.5	70.5	48.5	28.4	11.9	1.2
220	164.5	140.6	116.9	93.4	70.4	48.4	28.4	11.9	1.2
225	164.4	140.5	116.8	93.4	70.3	48.4	28.4	11.9	1.2
230	164.3	140.4	116.7	93.2	70.3	48.3	28.4	11.9	1.2
235	164.1	140.2	116.5	93.1	70.2	48.3	28.4	11.9	1.2
240	163.9	140.1	116.4	93.0	70.2	48.3	28.3	12.0	1.3
245	163.7	140.0	116.3	92.9	70.1	48.2	28.3	12.0	1.3
250	163.6	139.8	116.2	92.8	70.0	48.2	28.3	12.0	1.3
255	163.5	139.6	116.1	92.8	69.9	48.2	28.3	12.0	1.3
260	163.3	139.5	115.9	92.7	69.9	48.1	28.3	12.0	1.3
265	163.2	139.4	115.9	92.6	69.8	48.1	28.3	11.9	1.3
270	163.0	139.3	115.7	92.5	69.8	48.0	28.2	11.9	1.3
275	162.9	139.2	115.6	92.4	69.7	48.0	28.2	11.9	1.3
280	162.8	139.1	115.5	92.4	69.6	47.9	28.2	11.9	1.3
285	162.6	139.0	115.5	92.3	69.6	47.9	28.1	11.9	1.3
290	162.6	138.9	115.4	92.2	69.5	47.8	28.1	11.8	1.3
295	162.5	138.8	115.4	92.1	69.5	47.8	28.1	11.8	1.3
300	162.4	138.7	115.3	92.1	69.4	47.8	28.0	11.8	1.2
305	162.3	138.7	115.2	92.0	69.4	47.7	28.0	11.7	1.2
310	162.2	138.6	115.2	92.0	69.3	47.7	28.0	11.7	1.2
315	162.1	138.5	115.1	91.9	69.3	47.6	27.9	11.6	1.2
320	162.1	138.5	115.1	91.9	69.2	47.6	27.9	11.6	1.1
325	162.1	138.4	115.0	91.9	69.2	47.5	27.8	11.6	1.1
330	162.1	138.4	115.0	91.8	69.2	47.5	27.8	11.5	1.0
335	162.1	138.4	115.0	91.8	69.2	47.5	27.8	11.5	1.0
340	162.0	138.3	114.9	91.8	69.1	47.5	27.7	11.5	1.0
345	162.0	138.4	115.0	91.8	69.1	47.4	27.7	11.5	0.9

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-2700K

350	162.0	138.4	115.0	91.8	69.1	47.4	27.7	11.5	0.9
355	162.1	138.4	115.0	91.8	69.1	47.4	27.7	11.4	0.8
360	162.1	138.5	115.0	91.8	69.2	47.5	27.6	11.4	0.8

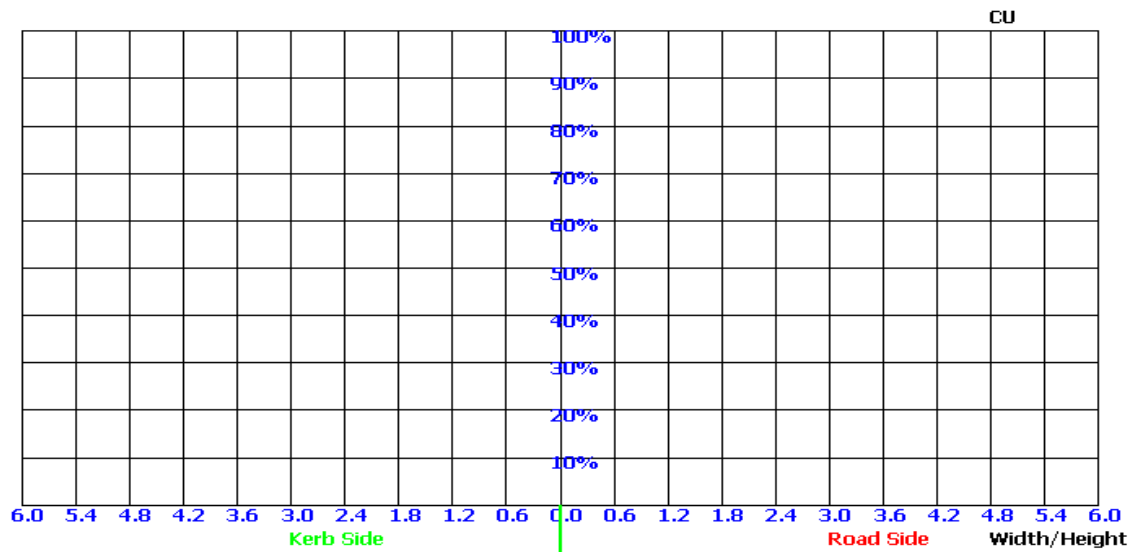
RP Lighting + Fans

Zonal Flux 8538-90-2700K

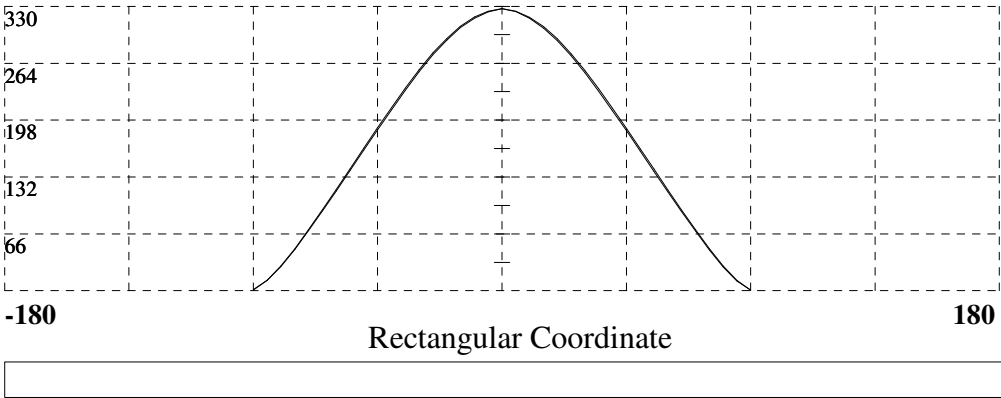
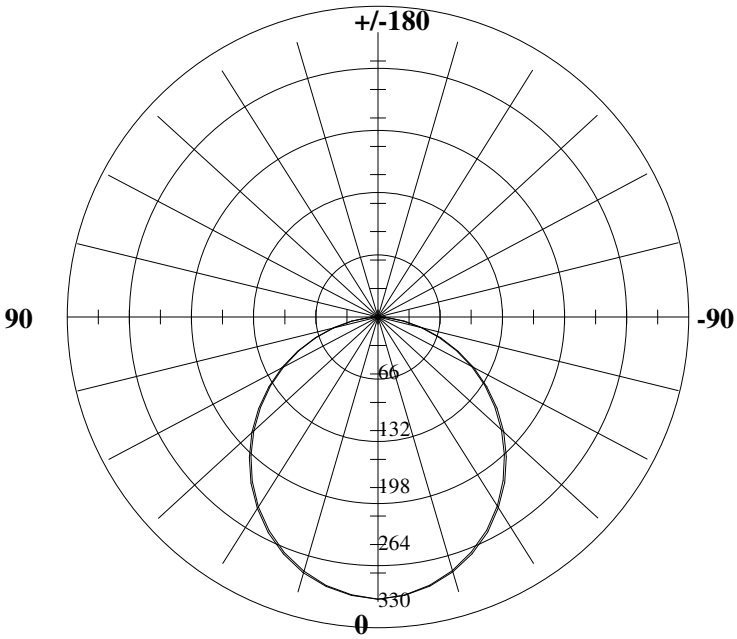
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	327.43	0.00	0.00	0.00	0.00
5	323.94	7.79	7.79	-778.70	-778.70
10	316.65	22.92	30.70	-2291.61	-3070.31
15	305.80	36.92	67.63	-3692.32	-6762.64
20	291.50	49.23	116.85	-4922.54	-11685.18
25	274.37	59.35	176.20	-5934.90	-17620.08
30	254.81	66.97	243.17	-6696.85	-24316.93
35	233.50	71.91	315.08	-7190.79	-31507.73
40	210.90	74.14	389.22	-7414.48	-38922.20
45	187.53	73.77	462.99	-7377.23	-46299.41
50	163.84	71.00	533.99	-7100.07	-53399.49
55	140.05	66.08	600.07	-6607.66	-60007.12
60	116.43	59.28	659.36	-5928.38	-65935.52
65	93.06	50.93	710.28	-5092.66	-71028.14
70	70.18	41.33	751.61	-4133.26	-75161.40
75	48.27	30.96	782.58	-3096.14	-78257.54
80	28.31	20.49	803.07	-2049.12	-80306.67
85	11.84	10.91	813.98	-1090.91	-81397.59
90	0.94	3.50	817.48	-349.99	-81747.60

RP Lighting + Fans

Coefficient Utilization Curve 8538-90-2700K

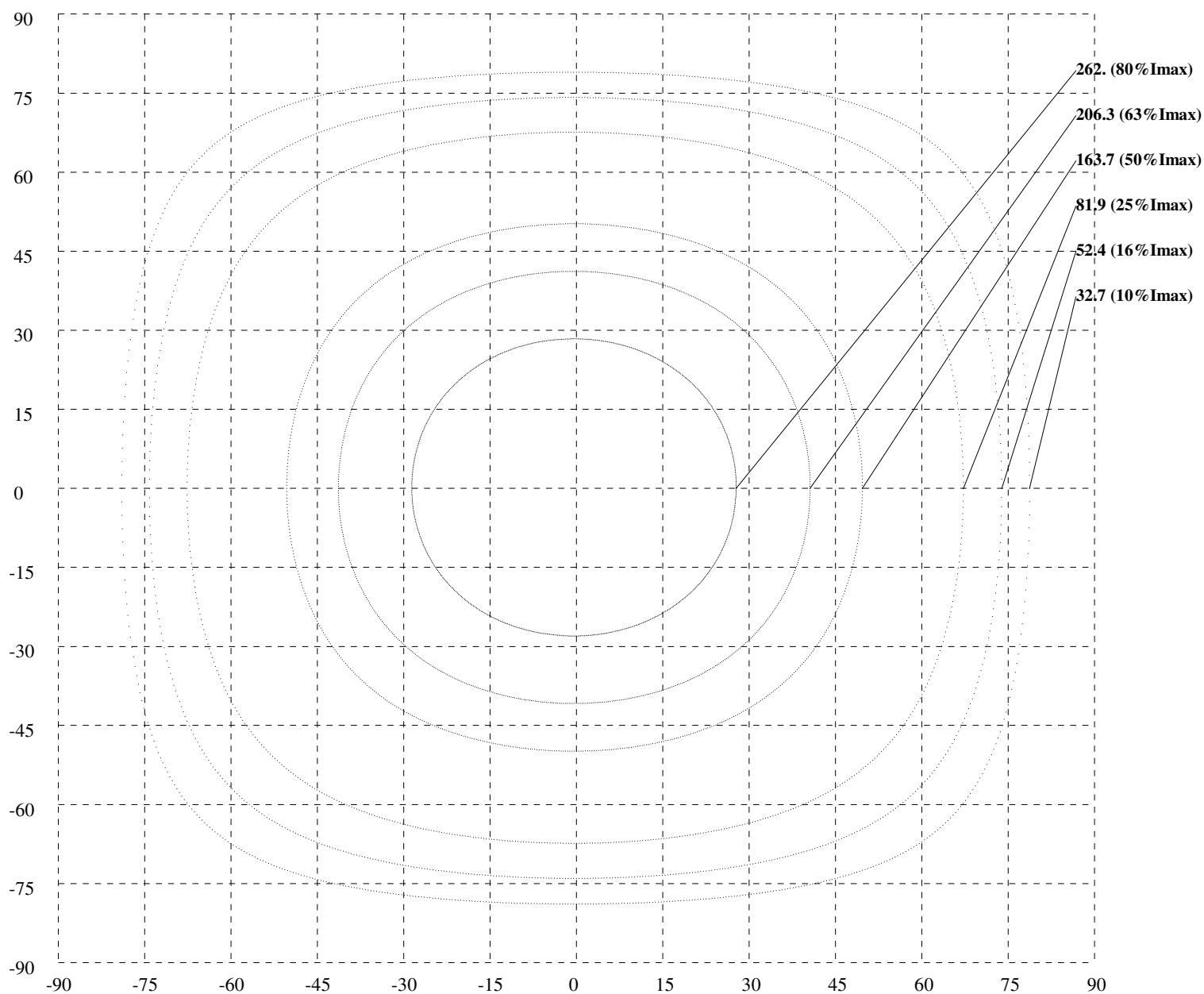


Light Distribution Curve[Unit: cd]



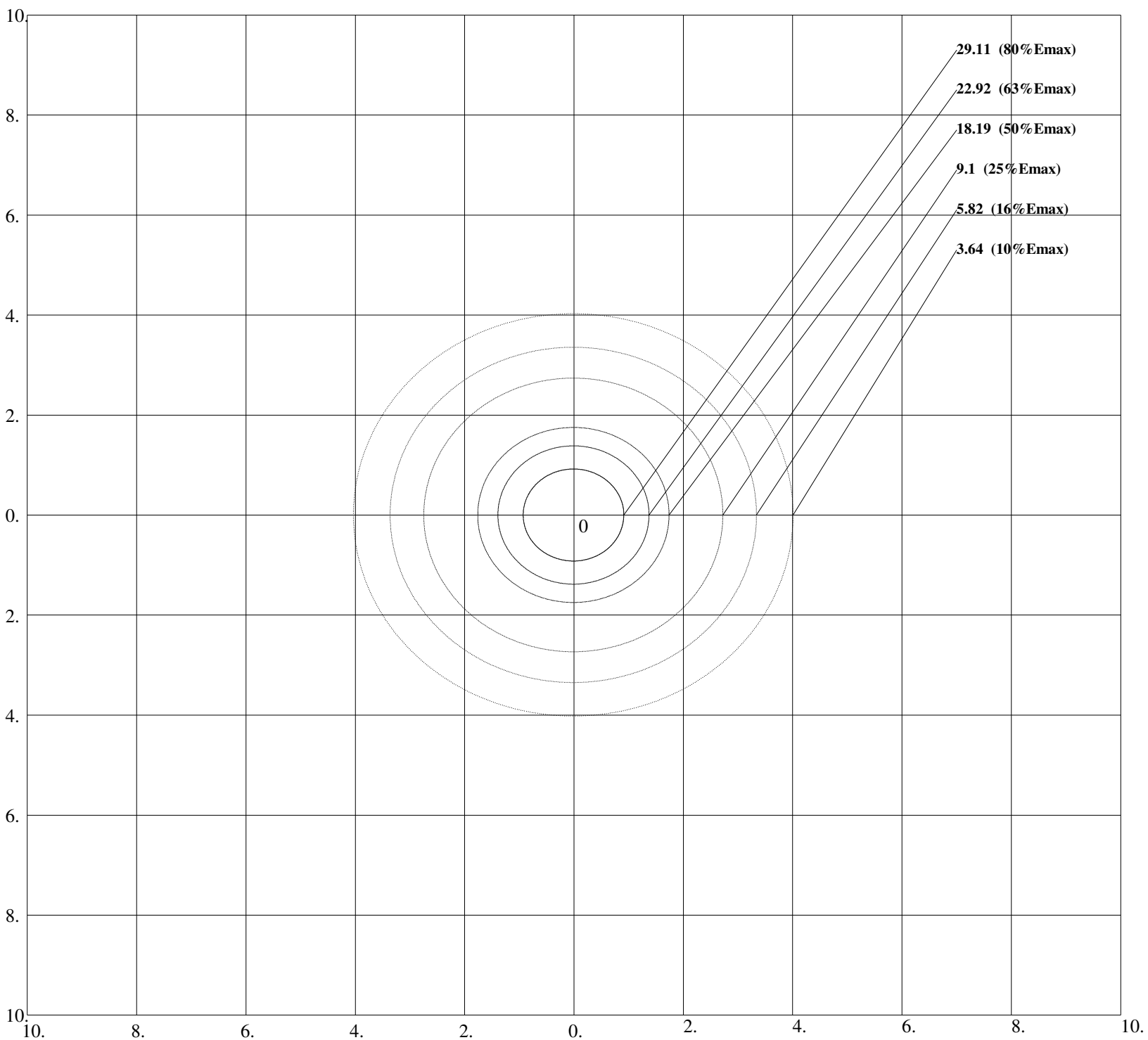
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-90-2700K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-90-2700K



Units: lx
Height: 3 m
Max Illuminance : 36.38lx

RP Lighting + Fans

Lux-Distance Curve

