

Test Report of Luminaire

Report No.:

Luminaire Type	8538-90-4000K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3800K, CRI: 94.4Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.139
Power:	15.3	Power Factor	0.917
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	960.03 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	381.243cd	Central Intensity	381.243cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.01%		
Downward Flux Ratio	-96002.52%		
50%Imax Beam Width	C0_180[50.0 , -50.7] C90_270[50.6 , -50.3]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-4000K

C\G	0	5	10	15	20	25	30	35	40	45
0	381.2	377.7	369.1	356.3	339.7	319.4	296.6	271.6	245.3	218.1
5	381.2	377.6	369.0	356.5	339.6	319.4	296.7	271.7	245.3	218.2
10	381.2	377.6	369.2	356.5	339.6	319.5	296.7	271.8	245.4	218.3
15	381.2	377.6	369.1	356.6	339.7	319.6	296.8	271.9	245.6	218.5
20	381.2	377.7	369.2	356.6	339.8	319.8	297.0	272.1	245.7	218.6
25	381.2	377.8	369.2	356.7	340.0	319.9	297.2	272.2	245.9	218.7
30	381.2	377.7	369.3	356.8	340.1	320.1	297.2	272.3	246.0	218.9
35	381.2	377.7	369.3	356.9	340.2	320.2	297.4	272.5	246.3	218.9
40	381.2	377.6	369.3	356.9	340.3	320.4	297.6	272.8	246.5	219.3
45	381.2	377.8	369.4	357.1	340.4	320.5	297.8	273.0	246.6	219.4
50	381.2	377.8	369.6	357.2	340.7	320.8	298.0	273.2	246.9	219.7
55	381.2	377.9	369.6	357.3	340.7	320.9	298.1	273.4	247.1	219.9
60	381.2	378.0	369.7	357.4	340.8	321.0	298.4	273.7	247.3	220.1
65	381.2	377.9	369.7	357.6	341.0	321.3	298.5	273.8	247.6	220.3
70	381.2	378.0	369.9	357.7	341.3	321.4	298.8	274.1	247.8	220.5
75	381.2	377.9	370.0	357.8	341.4	321.6	299.0	274.3	248.1	220.8
80	381.2	377.9	370.2	357.9	341.6	321.8	299.3	274.4	248.3	220.9
85	381.2	378.1	370.1	358.0	341.7	321.9	299.4	274.7	248.5	221.3
90	381.2	378.0	370.2	358.3	342.0	322.1	299.6	274.8	248.6	221.4
95	381.2	378.2	370.3	358.4	342.0	322.3	299.8	275.0	248.8	221.6
100	381.2	378.2	370.4	358.4	342.2	322.6	299.9	275.1	248.9	221.7
105	381.2	378.3	370.6	358.5	342.4	322.7	300.2	275.3	249.0	221.8
110	381.2	378.3	370.7	358.6	342.5	322.9	300.3	275.5	249.2	222.0
115	381.2	378.3	370.8	358.8	342.6	323.0	300.5	275.6	249.3	222.1
120	381.2	378.3	370.7	358.9	342.7	323.2	300.6	275.7	249.4	222.2
125	381.2	378.4	370.9	359.0	342.8	323.3	300.8	275.8	249.5	222.3
130	381.2	378.3	370.9	359.1	342.9	323.4	300.8	276.0	249.7	222.4
135	381.2	378.4	371.1	359.1	342.9	323.5	301.0	276.1	249.7	222.5
140	381.2	378.4	370.9	359.3	343.1	323.5	301.0	276.2	249.9	222.5
145	381.2	378.5	371.0	359.3	343.1	323.7	301.1	276.2	249.9	222.6
150	381.2	378.4	371.1	359.4	343.4	323.7	301.2	276.4	250.0	222.6
155	381.2	378.4	371.0	359.4	343.3	323.9	301.2	276.3	250.0	222.7
160	381.2	378.4	371.0	359.3	343.3	323.9	301.3	276.5	250.1	222.7
165	381.2	378.3	371.1	359.4	343.4	323.9	301.3	276.4	250.1	222.7
170	381.2	378.5	371.2	359.4	343.3	323.9	301.3	276.5	250.1	222.7
175	381.2	378.4	371.2	359.4	343.3	323.9	301.3	276.5	250.2	222.7
180	381.2	378.4	371.1	359.3	343.3	323.9	301.3	276.4	250.1	222.6
185	381.2	378.4	371.1	359.3	343.2	323.8	301.3	276.5	250.1	222.6
190	381.2	378.4	371.0	359.3	343.3	323.7	301.3	276.4	250.1	222.6
195	381.2	378.4	371.1	359.3	343.2	323.7	301.2	276.3	249.9	222.5
200	381.2	378.4	371.0	359.1	343.1	323.6	301.1	276.2	249.9	222.4
205	381.2	378.3	370.9	359.1	343.0	323.5	301.0	276.1	249.8	222.3
210	381.2	378.2	371.1	359.0	342.9	323.4	300.8	275.9	249.7	222.1
215	381.2	378.2	370.8	358.8	342.9	323.3	300.6	275.7	249.5	222.0
220	381.2	378.2	370.7	358.7	342.6	323.1	300.5	275.6	249.3	221.9
225	381.2	378.0	370.6	358.6	342.4	322.9	300.3	275.4	249.2	221.7
230	381.2	378.2	370.7	358.5	342.3	322.7	300.2	275.3	248.9	221.5
235	381.2	378.1	370.5	358.4	342.1	322.6	299.9	275.1	248.7	221.3

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-4000K

240	381.2	378.1	370.4	358.2	342.1	322.3	299.8	274.9	248.4	221.1
245	381.2	378.1	370.3	358.2	341.8	322.1	299.5	274.7	248.3	220.8
250	381.2	378.1	370.3	358.1	341.7	322.0	299.3	274.4	248.0	220.6
255	381.2	378.0	370.1	357.9	341.6	321.7	299.0	274.2	247.8	220.4
260	381.2	378.0	370.1	357.8	341.4	321.5	298.9	273.9	247.5	220.2
265	381.2	377.8	369.9	357.7	341.2	321.3	298.7	273.7	247.3	219.9
270	381.2	377.8	369.8	357.6	341.0	321.2	298.4	273.5	247.0	219.7
275	381.2	377.7	369.7	357.3	340.9	320.9	298.2	273.3	246.8	219.5
280	381.2	377.7	369.5	357.1	340.7	320.7	297.9	273.1	246.6	219.3
285	381.2	377.6	369.5	357.0	340.5	320.4	297.8	272.9	246.3	219.1
290	381.2	377.4	369.4	356.9	340.4	320.4	297.5	272.7	246.3	218.9
295	381.2	377.3	369.3	356.8	340.2	320.1	297.3	272.4	246.0	218.7
300	381.2	377.2	369.2	356.6	340.0	320.0	297.1	272.3	245.9	218.5
305	381.2	377.3	369.2	356.6	340.0	319.9	297.0	272.1	245.7	218.4
310	381.2	377.3	369.1	356.5	339.8	319.8	296.9	271.9	245.5	218.3
315	381.2	377.2	368.9	356.4	339.7	319.7	296.8	271.9	245.4	218.2
320	381.2	377.3	369.0	356.3	339.6	319.5	296.7	271.8	245.3	218.2
325	381.2	377.2	368.8	356.3	339.5	319.5	296.6	271.7	245.3	218.0
330	381.2	377.2	368.8	356.2	339.5	319.4	296.5	271.6	245.2	218.0
335	381.2	377.2	368.7	356.2	339.4	319.4	296.5	271.6	245.2	218.0
340	381.2	377.2	368.8	356.1	339.5	319.3	296.5	271.5	245.2	218.0
345	381.2	377.2	368.8	356.1	339.3	319.3	296.5	271.5	245.1	217.9
350	381.2	377.1	368.8	356.2	339.4	319.4	296.4	271.5	245.2	217.9
355	381.2	377.1	368.9	356.1	339.4	319.3	296.5	271.6	245.2	218.1
360	381.2	377.7	369.1	356.3	339.7	319.4	296.6	271.6	245.3	218.1

C\G	50	55	60	65	70	75	80	85	90
0	190.6	162.8	135.3	108.1	81.4	55.8	32.5	13.5	0.9
5	190.6	162.9	135.5	108.1	81.5	55.8	32.5	13.4	0.9
10	190.7	163.0	135.5	108.2	81.5	55.8	32.5	13.4	0.9
15	190.8	163.1	135.6	108.2	81.6	55.8	32.5	13.4	0.8
20	190.9	163.2	135.7	108.3	81.6	55.8	32.5	13.3	0.8
25	191.1	163.4	135.8	108.5	81.7	55.9	32.5	13.4	0.8
30	191.3	163.5	135.9	108.5	81.8	56.0	32.6	13.4	0.7
35	191.5	163.7	136.1	108.7	81.9	56.1	32.7	13.4	0.7
40	191.6	163.9	136.2	108.8	82.1	56.2	32.8	13.5	0.7
45	191.9	164.1	136.4	109.1	82.2	56.3	32.9	13.6	0.7
50	192.1	164.3	136.6	109.2	82.3	56.4	33.0	13.6	0.7
55	192.3	164.5	136.8	109.4	82.5	56.5	33.1	13.7	0.7
60	192.5	164.7	137.0	109.6	82.6	56.7	33.2	13.8	0.7
65	192.8	164.9	137.1	109.7	82.8	56.8	33.3	13.9	0.7
70	193.0	165.1	137.4	109.9	82.9	57.0	33.4	13.9	0.7
75	193.1	165.3	137.5	110.0	83.1	57.0	33.5	14.0	0.7
80	193.3	165.5	137.7	110.2	83.2	57.2	33.5	14.0	0.7
85	193.5	165.7	137.8	110.3	83.3	57.2	33.6	14.1	0.7
90	193.7	165.8	138.0	110.4	83.4	57.3	33.7	14.1	0.8
95	193.8	166.0	138.1	110.5	83.5	57.4	33.7	14.2	0.8
100	194.0	166.1	138.2	110.6	83.6	57.4	33.8	14.2	0.8

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-4000K

105	194.2	166.2	138.3	110.7	83.7	57.5	33.8	14.2	0.8
110	194.3	166.3	138.4	110.8	83.7	57.5	33.8	14.2	0.8
115	194.3	166.3	138.5	110.8	83.8	57.6	33.9	14.2	0.8
120	194.4	166.5	138.5	110.9	83.8	57.6	33.9	14.2	0.8
125	194.6	166.5	138.6	110.9	83.8	57.6	33.9	14.3	0.9
130	194.6	166.6	138.6	110.9	83.8	57.6	33.9	14.3	0.9
135	194.7	166.6	138.6	111.0	83.8	57.6	33.9	14.3	0.9
140	194.7	166.7	138.6	111.0	83.9	57.6	33.9	14.3	0.9
145	194.8	166.7	138.7	111.0	83.9	57.6	33.9	14.2	0.9
150	194.8	166.7	138.7	111.0	83.8	57.6	33.9	14.2	1.0
155	194.8	166.7	138.7	111.0	83.8	57.6	33.8	14.2	1.0
160	194.9	166.7	138.7	111.0	83.8	57.6	33.8	14.2	1.0
165	194.9	166.7	138.7	111.0	83.8	57.6	33.8	14.2	1.0
170	194.9	166.7	138.7	111.0	83.8	57.5	33.7	14.2	1.1
175	194.8	166.7	138.7	110.9	83.7	57.5	33.7	14.2	1.1
180	194.8	166.7	138.7	110.9	83.7	57.4	33.6	14.2	1.1
185	194.8	166.7	138.6	110.8	83.6	57.3	33.6	14.1	1.1
190	194.7	166.6	138.5	110.8	83.6	57.3	33.6	14.1	1.2
195	194.6	166.5	138.5	110.7	83.5	57.2	33.5	14.0	1.2
200	194.5	166.4	138.4	110.6	83.4	57.2	33.5	14.0	1.2
205	194.5	166.3	138.3	110.6	83.3	57.2	33.4	14.0	1.3
210	194.3	166.2	138.2	110.5	83.2	57.1	33.4	13.9	1.3
215	194.2	166.1	138.1	110.4	83.2	57.0	33.4	13.9	1.3
220	194.0	166.0	138.0	110.3	83.1	57.0	33.4	14.0	1.3
225	193.9	165.8	137.8	110.2	83.1	57.0	33.4	14.0	1.4
230	193.7	165.6	137.7	110.1	83.0	57.0	33.4	14.0	1.4
235	193.5	165.5	137.5	109.9	82.9	56.9	33.4	14.1	1.4
240	193.3	165.3	137.4	109.8	82.8	56.9	33.3	14.1	1.5
245	193.1	165.2	137.3	109.7	82.7	56.8	33.3	14.1	1.5
250	193.0	164.9	137.1	109.6	82.6	56.8	33.3	14.1	1.5
255	192.7	164.8	136.9	109.5	82.6	56.7	33.3	14.1	1.5
260	192.5	164.6	136.8	109.4	82.4	56.6	33.3	14.1	1.5
265	192.3	164.5	136.7	109.2	82.4	56.6	33.3	14.1	1.5
270	192.1	164.3	136.5	109.1	82.3	56.5	33.2	14.0	1.5
275	191.8	164.1	136.4	108.9	82.2	56.4	33.2	14.0	1.5
280	191.6	163.9	136.2	108.8	82.1	56.4	33.1	14.0	1.5
285	191.5	163.7	136.1	108.7	82.0	56.3	33.1	13.9	1.4
290	191.3	163.6	135.9	108.6	81.9	56.2	33.0	13.9	1.4
295	191.2	163.4	135.8	108.5	81.8	56.2	33.0	13.9	1.4
300	191.0	163.3	135.7	108.4	81.8	56.1	33.0	13.8	1.4
305	190.8	163.2	135.6	108.3	81.7	56.0	32.9	13.8	1.4
310	190.7	163.1	135.5	108.2	81.6	56.0	32.8	13.8	1.3
315	190.6	163.0	135.5	108.2	81.6	55.9	32.8	13.8	1.3
320	190.5	162.9	135.4	108.1	81.5	55.9	32.8	13.7	1.2
325	190.5	162.8	135.3	108.0	81.5	55.8	32.7	13.7	1.2
330	190.4	162.8	135.3	108.0	81.4	55.8	32.7	13.6	1.2
335	190.4	162.7	135.2	108.0	81.4	55.8	32.7	13.6	1.1
340	190.4	162.7	135.2	108.0	81.4	55.8	32.6	13.6	1.1
345	190.3	162.7	135.2	108.0	81.4	55.7	32.6	13.6	1.1

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-4000K

350	190.4	162.7	135.2	108.0	81.4	55.7	32.6	13.5	1.0
355	190.4	162.8	135.3	108.0	81.4	55.7	32.5	13.5	1.0
360	190.6	162.8	135.3	108.1	81.4	55.8	32.5	13.5	0.9

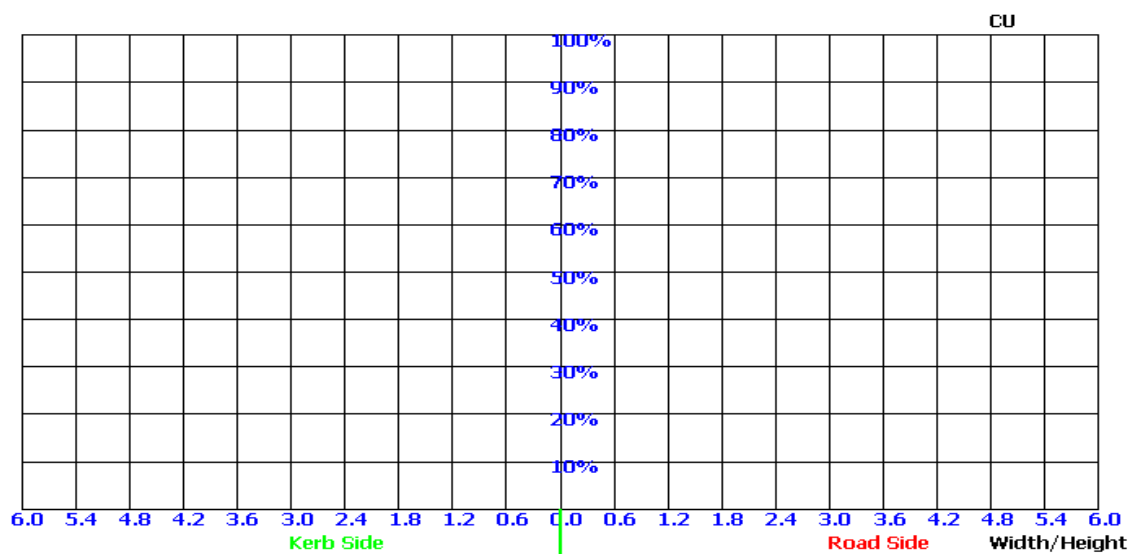
RP Lighting + Fans

Zonal Flux 8538-90-4000K

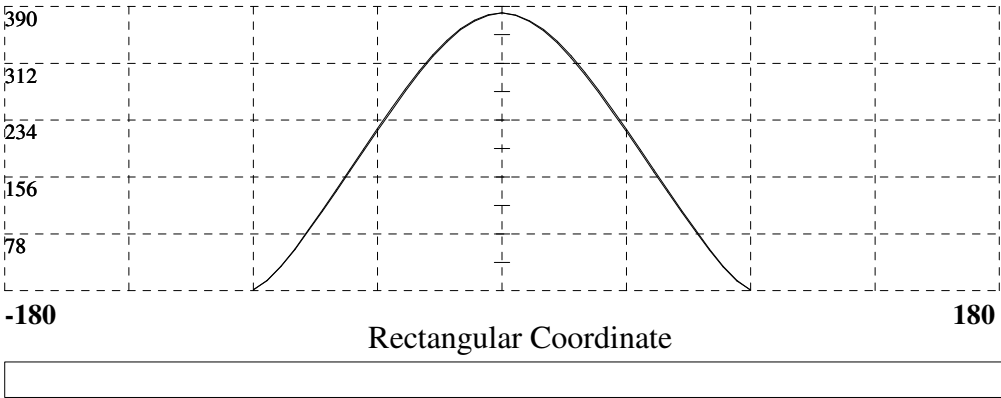
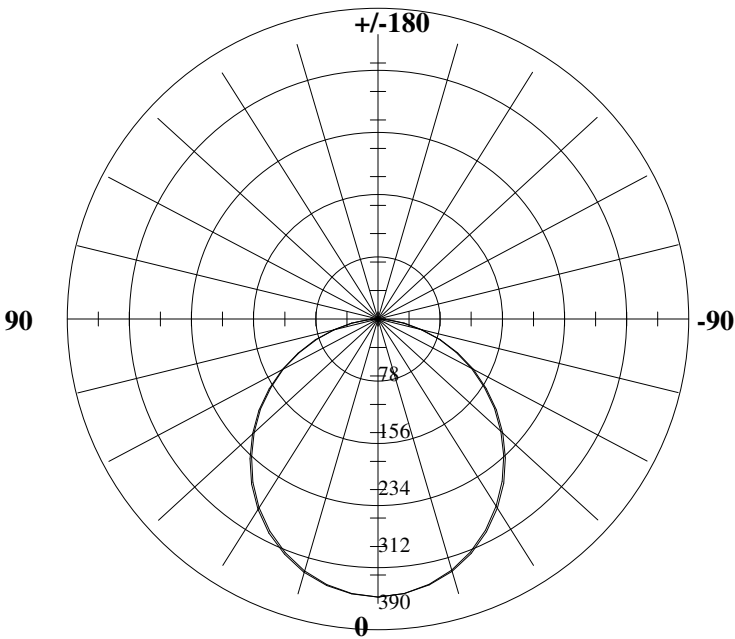
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	381.24	0.00	0.00	0.00	0.00
5	377.90	9.08	9.08	-907.53	-907.53
10	370.04	26.76	35.83	-2675.61	-3583.14
15	357.82	43.18	79.01	-4317.59	-7900.73
20	341.43	57.63	136.63	-5762.75	-13663.49
25	321.65	69.54	206.18	-6954.48	-20617.97
30	298.97	78.54	284.72	-7854.03	-28472.01
35	274.11	84.39	369.11	-8438.98	-36910.98
40	247.76	87.07	456.18	-8706.93	-45617.90
45	220.46	86.69	542.87	-8669.42	-54287.32
50	192.77	83.50	626.37	-8349.80	-62637.12
55	164.87	77.76	704.13	-7776.30	-70413.42
60	137.09	69.80	773.93	-6979.77	-77393.18
65	109.60	59.97	833.90	-5996.98	-83390.16
70	82.69	48.69	882.59	-4868.83	-88258.98
75	56.73	36.44	919.03	-3644.28	-91903.27
80	33.26	24.08	943.11	-2408.01	-94311.31
85	13.90	12.81	955.93	-1281.46	-95592.79
90	1.07	4.10	960.03	-409.77	-96002.52

RP Lighting + Fans

Coefficient Utilization Curve 8538-90-4000K

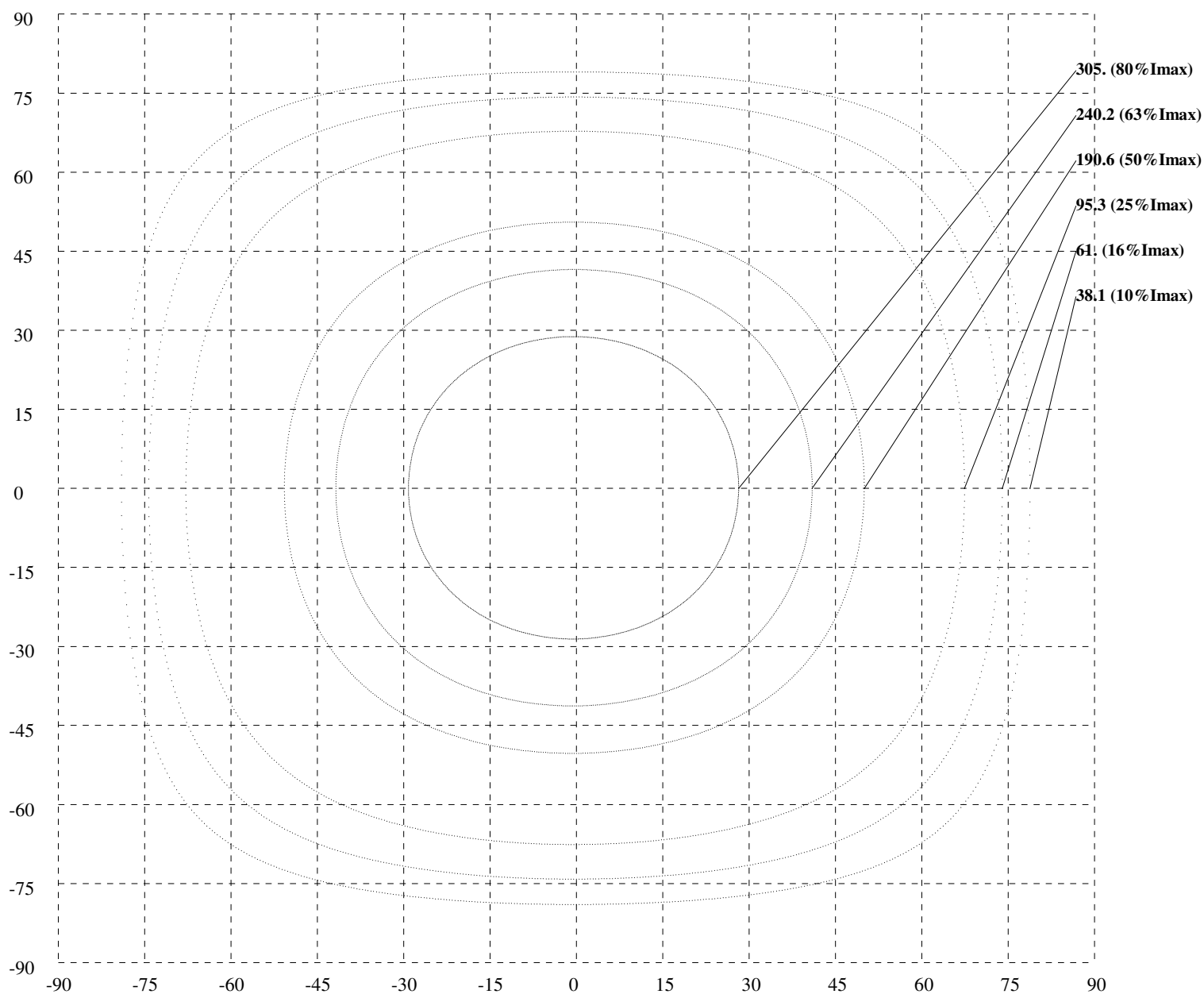


Light Distribution Curve[Unit: cd]



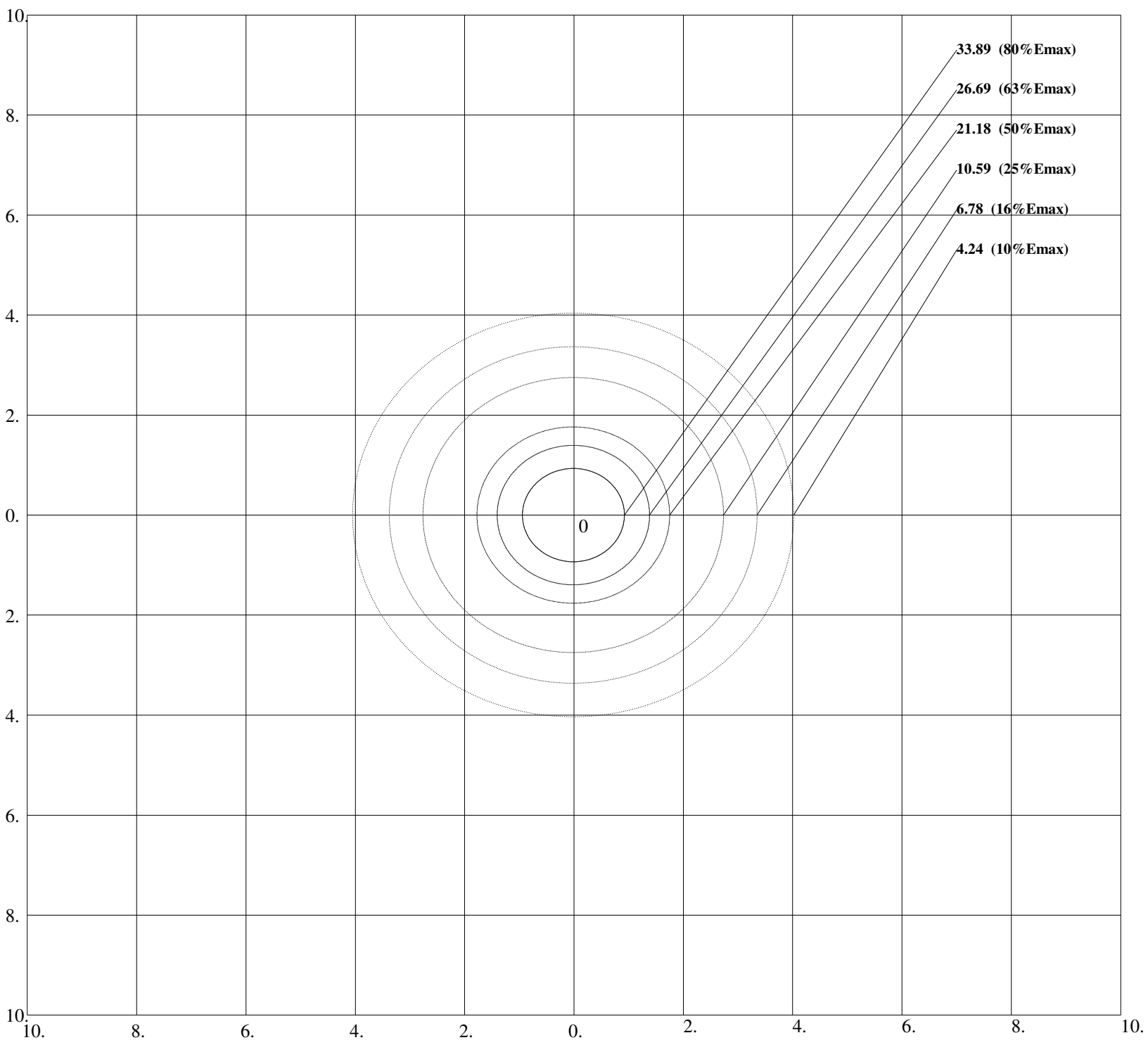
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-90-4000K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-90-4000K



Units: lx
Height: 3 m
Max Illuminance : 42.36lx

RP Lighting + Fans

Lux-Distance Curve

