

Test Report of Luminaire

Report No.:

Luminaire Type	8538-90-3500K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3249K, CRI: 94.0Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.139
Power:	15.3	Power Factor	0.918
Frequency:	60Hz	Tc	3500K
Photometric Parameters			
Luminaire Flux	942.77 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	374.586cd	Central Intensity	374.586cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-94276.8%		
50%Imax Beam Width	C0_180[49.9 , -50.7] C90_270[50.5 , -50.2]		
Remark			

Luminaire Figure



RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3500K

C\G	0	5	10	15	20	25	30	35	40	45
0	374.6	371.2	363.0	350.3	333.9	314.1	291.5	267.0	240.9	214.1
5	374.6	371.3	363.0	350.5	333.9	314.1	291.6	267.0	241.0	214.2
10	374.6	371.2	363.1	350.4	334.0	314.2	291.7	267.0	241.1	214.3
15	374.6	371.3	363.1	350.6	334.1	314.3	291.8	267.2	241.2	214.4
20	374.6	371.3	363.1	350.6	334.1	314.4	291.8	267.3	241.3	214.5
25	374.6	371.3	363.2	350.7	334.3	314.5	292.1	267.5	241.5	214.6
30	374.6	371.4	363.1	350.8	334.5	314.7	292.1	267.6	241.7	214.8
35	374.6	371.4	363.3	350.8	334.5	314.8	292.4	267.8	241.9	215.0
40	374.6	371.3	363.3	351.1	334.6	315.0	292.5	268.1	242.1	215.2
45	374.6	371.4	363.5	351.1	334.8	315.2	292.8	268.3	242.3	215.5
50	374.6	371.4	363.5	351.3	334.9	315.3	293.0	268.5	242.5	215.7
55	374.6	371.5	363.6	351.3	335.1	315.6	293.1	268.7	242.7	216.0
60	374.6	371.6	363.7	351.4	335.3	315.7	293.4	269.0	243.0	216.2
65	374.6	371.6	363.8	351.6	335.5	316.0	293.6	269.2	243.2	216.4
70	374.6	371.6	364.0	351.7	335.7	316.1	293.9	269.4	243.5	216.6
75	374.6	371.7	364.0	351.9	335.8	316.3	294.0	269.6	243.7	216.8
80	374.6	371.7	364.1	351.9	336.1	316.5	294.3	269.8	243.9	217.0
85	374.6	371.6	364.2	352.2	336.1	316.7	294.5	270.1	244.1	217.2
90	374.6	371.8	364.3	352.2	336.4	316.9	294.7	270.3	244.2	217.4
95	374.6	371.8	364.4	352.4	336.4	317.0	294.8	270.4	244.5	217.6
100	374.6	371.8	364.3	352.5	336.6	317.3	295.0	270.6	244.6	217.8
105	374.6	372.0	364.5	352.6	336.7	317.4	295.1	270.8	244.8	217.9
110	374.6	371.9	364.5	352.7	336.8	317.5	295.3	270.9	244.9	218.1
115	374.6	371.9	364.6	352.9	337.0	317.6	295.4	271.0	245.0	218.1
120	374.6	372.0	364.6	353.0	337.0	317.7	295.5	271.1	245.1	218.2
125	374.6	372.0	364.8	353.0	337.2	317.9	295.7	271.2	245.3	218.3
130	374.6	372.2	364.7	353.2	337.2	317.9	295.7	271.3	245.3	218.4
135	374.6	372.1	364.9	353.2	337.3	318.0	295.8	271.4	245.4	218.5
140	374.6	372.2	364.9	353.3	337.4	318.1	295.9	271.5	245.5	218.5
145	374.6	372.2	365.0	353.3	337.4	318.2	295.9	271.5	245.5	218.5
150	374.6	372.2	364.9	353.3	337.4	318.2	296.0	271.6	245.5	218.6
155	374.6	372.1	365.0	353.4	337.6	318.3	296.0	271.6	245.5	218.6
160	374.6	372.2	365.0	353.3	337.5	318.3	296.1	271.6	245.6	218.6
165	374.6	372.1	364.9	353.4	337.6	318.4	296.0	271.7	245.6	218.6
170	374.6	372.2	365.0	353.3	337.5	318.3	296.1	271.6	245.6	218.6
175	374.6	372.2	365.0	353.4	337.6	318.2	296.0	271.6	245.6	218.5
180	374.6	372.1	365.0	353.3	337.5	318.2	296.0	271.6	245.5	218.5
185	374.6	372.2	365.0	353.3	337.4	318.1	296.0	271.5	245.5	218.4
190	374.6	372.1	364.9	353.2	337.4	318.1	295.8	271.5	245.4	218.4
195	374.6	372.2	364.9	353.2	337.4	318.0	295.8	271.4	245.4	218.2
200	374.6	372.0	364.7	353.1	337.2	317.9	295.6	271.3	245.2	218.1
205	374.6	372.0	364.8	353.0	337.2	317.8	295.5	271.1	245.1	218.0
210	374.6	371.9	364.6	353.0	337.0	317.7	295.4	271.0	244.9	217.9
215	374.6	371.9	364.6	352.8	336.9	317.5	295.2	270.8	244.8	217.8
220	374.6	371.9	364.5	352.7	336.8	317.3	295.0	270.7	244.7	217.6
225	374.6	371.9	364.4	352.5	336.6	317.2	294.9	270.5	244.4	217.4
230	374.6	371.8	364.4	352.5	336.5	317.0	294.7	270.2	244.3	217.2
235	374.6	371.9	364.3	352.3	336.3	316.8	294.5	270.1	244.0	217.1

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3500K

240	374.6	371.7	364.2	352.2	336.2	316.7	294.4	269.8	243.8	216.8
245	374.6	371.7	364.0	352.1	336.0	316.4	294.1	269.6	243.5	216.6
250	374.6	371.7	364.0	351.9	335.8	316.3	293.9	269.4	243.3	216.4
255	374.6	371.5	363.8	351.7	335.7	316.1	293.6	269.1	243.0	216.2
260	374.6	371.4	363.8	351.5	335.4	315.8	293.5	268.9	242.9	216.0
265	374.6	371.4	363.7	351.5	335.3	315.6	293.2	268.6	242.6	215.7
270	374.6	371.3	363.6	351.2	335.1	315.4	293.0	268.4	242.4	215.6
275	374.6	371.4	363.5	351.2	335.0	315.2	292.8	268.2	242.2	215.3
280	374.6	371.3	363.4	351.0	334.8	315.1	292.6	268.0	242.0	215.2
285	374.6	371.3	363.4	350.9	334.6	314.8	292.5	267.8	241.8	215.0
290	374.6	371.2	363.2	350.8	334.6	314.7	292.2	267.7	241.6	214.8
295	374.6	371.2	363.2	350.6	334.3	314.5	292.1	267.5	241.4	214.7
300	374.6	371.1	363.2	350.6	334.3	314.4	291.9	267.3	241.3	214.5
305	374.6	371.1	363.1	350.5	334.1	314.3	291.8	267.2	241.2	214.4
310	374.6	371.1	362.9	350.5	334.0	314.2	291.6	267.0	241.1	214.3
315	374.6	371.0	362.8	350.4	333.9	314.1	291.5	267.0	240.9	214.2
320	374.6	371.0	362.8	350.3	333.9	314.0	291.5	266.9	240.9	214.1
325	374.6	370.9	362.7	350.3	333.8	314.0	291.4	266.8	240.8	214.1
330	374.6	370.9	362.8	350.2	333.8	313.8	291.4	266.8	240.8	214.0
335	374.6	370.9	362.7	350.2	333.7	313.9	291.3	266.8	240.7	214.0
340	374.6	370.9	362.8	350.1	333.7	313.8	291.3	266.8	240.7	214.0
345	374.6	371.0	362.8	350.2	333.7	313.8	291.3	266.8	240.7	213.9
350	374.6	371.0	362.8	350.1	333.7	313.8	291.3	266.8	240.7	214.0
355	374.6	370.9	362.9	350.2	333.8	313.9	291.3	266.9	240.8	214.0
360	374.6	371.2	363.0	350.3	333.9	314.1	291.5	267.0	240.9	214.1

C\G	50	55	60	65	70	75	80	85	90
0	187.0	159.8	132.7	106.0	79.8	54.8	32.0	13.2	0.9
5	187.1	159.9	132.7	106.0	79.9	54.8	31.9	13.2	0.9
10	187.2	160.0	132.8	106.1	79.9	54.8	31.9	13.2	0.9
15	187.3	160.1	132.9	106.1	79.9	54.8	31.9	13.2	0.8
20	187.5	160.2	133.0	106.2	80.0	54.9	32.0	13.1	0.8
25	187.6	160.3	133.2	106.3	80.1	55.0	32.0	13.1	0.8
30	187.8	160.5	133.3	106.5	80.2	55.0	32.0	13.1	0.7
35	187.9	160.6	133.5	106.6	80.3	55.1	32.1	13.2	0.7
40	188.1	160.9	133.7	106.7	80.5	55.2	32.2	13.2	0.7
45	188.4	161.1	133.9	106.9	80.6	55.4	32.3	13.3	0.7
50	188.6	161.3	134.1	107.1	80.8	55.5	32.4	13.4	0.7
55	188.8	161.5	134.2	107.3	80.9	55.6	32.5	13.5	0.7
60	189.0	161.7	134.5	107.4	81.1	55.8	32.6	13.6	0.7
65	189.3	161.9	134.6	107.6	81.2	55.9	32.7	13.7	0.7
70	189.5	162.1	134.8	107.8	81.4	56.0	32.9	13.7	0.7
75	189.7	162.3	135.0	107.9	81.5	56.1	33.0	13.8	0.7
80	189.9	162.4	135.2	108.1	81.6	56.2	33.0	13.8	0.7
85	190.1	162.7	135.4	108.2	81.8	56.4	33.1	13.9	0.7
90	190.2	162.8	135.5	108.4	81.9	56.4	33.2	13.9	0.7
95	190.4	162.9	135.6	108.5	82.0	56.5	33.2	14.0	0.8
100	190.5	163.1	135.7	108.6	82.0	56.6	33.3	14.0	0.8

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3500K

105	190.6	163.1	135.8	108.6	82.1	56.6	33.3	14.0	0.8
110	190.7	163.3	135.9	108.7	82.1	56.7	33.3	14.0	0.8
115	190.8	163.3	135.9	108.7	82.2	56.7	33.4	14.0	0.8
120	190.9	163.4	136.0	108.8	82.2	56.7	33.4	14.1	0.8
125	191.0	163.5	136.1	108.8	82.3	56.7	33.4	14.1	0.8
130	191.0	163.5	136.1	108.8	82.3	56.7	33.4	14.1	0.9
135	191.1	163.6	136.1	108.9	82.3	56.8	33.4	14.1	0.9
140	191.1	163.5	136.1	108.9	82.3	56.7	33.4	14.1	0.9
145	191.1	163.6	136.1	108.9	82.3	56.7	33.4	14.0	0.9
150	191.2	163.6	136.2	108.9	82.3	56.7	33.3	14.0	0.9
155	191.1	163.6	136.2	108.9	82.2	56.7	33.3	14.0	1.0
160	191.2	163.6	136.2	108.9	82.2	56.6	33.3	14.0	1.0
165	191.1	163.6	136.1	108.8	82.2	56.6	33.3	14.0	1.0
170	191.2	163.5	136.1	108.8	82.2	56.5	33.2	14.0	1.0
175	191.1	163.5	136.1	108.7	82.1	56.5	33.2	14.0	1.1
180	191.1	163.5	136.0	108.7	82.0	56.4	33.1	13.9	1.1
185	191.0	163.4	135.9	108.6	82.0	56.4	33.1	13.9	1.1
190	191.0	163.3	135.8	108.6	81.9	56.4	33.0	13.9	1.1
195	190.8	163.2	135.8	108.5	81.9	56.2	33.0	13.8	1.2
200	190.8	163.2	135.7	108.4	81.8	56.2	32.9	13.8	1.2
205	190.6	163.0	135.6	108.3	81.7	56.1	32.9	13.7	1.2
210	190.5	162.9	135.5	108.2	81.6	56.1	32.8	13.7	1.3
215	190.4	162.8	135.4	108.1	81.5	56.0	32.8	13.7	1.3
220	190.2	162.6	135.2	108.0	81.5	56.0	32.8	13.7	1.3
225	190.1	162.5	135.1	107.9	81.4	56.0	32.8	13.8	1.4
230	189.9	162.3	134.9	107.8	81.3	55.9	32.8	13.8	1.4
235	189.7	162.2	134.8	107.7	81.2	55.8	32.8	13.8	1.4
240	189.5	162.0	134.6	107.5	81.2	55.8	32.8	13.8	1.4
245	189.3	161.8	134.5	107.4	81.0	55.8	32.8	13.9	1.4
250	189.1	161.6	134.4	107.3	81.0	55.7	32.7	13.9	1.4
255	188.9	161.4	134.2	107.2	80.9	55.7	32.7	13.9	1.5
260	188.7	161.2	134.0	107.1	80.8	55.6	32.7	13.8	1.5
265	188.5	161.1	133.9	106.9	80.7	55.6	32.7	13.8	1.5
270	188.3	160.9	133.8	106.8	80.6	55.5	32.6	13.8	1.5
275	188.1	160.8	133.6	106.7	80.5	55.4	32.6	13.8	1.5
280	187.9	160.6	133.5	106.6	80.4	55.4	32.6	13.7	1.5
285	187.8	160.5	133.4	106.5	80.4	55.3	32.5	13.7	1.5
290	187.6	160.3	133.2	106.4	80.3	55.3	32.5	13.7	1.4
295	187.5	160.2	133.1	106.3	80.2	55.2	32.4	13.6	1.4
300	187.4	160.1	133.0	106.2	80.2	55.2	32.4	13.6	1.4
305	187.2	160.0	132.9	106.2	80.1	55.1	32.3	13.6	1.3
310	187.2	159.9	132.8	106.1	80.0	55.1	32.3	13.5	1.3
315	187.1	159.8	132.8	106.1	80.0	55.0	32.2	13.5	1.3
320	187.0	159.8	132.7	106.0	79.9	55.0	32.2	13.4	1.3
325	186.9	159.7	132.6	105.9	79.9	54.9	32.2	13.4	1.2
330	186.9	159.6	132.6	105.9	79.8	54.9	32.1	13.4	1.2
335	186.8	159.6	132.6	105.9	79.8	54.8	32.1	13.4	1.1
340	186.9	159.6	132.6	105.9	79.8	54.8	32.0	13.3	1.1
345	186.9	159.7	132.6	105.9	79.8	54.8	32.0	13.3	1.0

RP Lighting + Fans

Photometric Data Table

[Unit:cd] 8538-90-3500K

350	186.9	159.7	132.6	105.9	79.8	54.8	32.0	13.3	1.0
355	187.0	159.7	132.6	105.9	79.8	54.8	32.0	13.2	1.0
360	187.0	159.8	132.7	106.0	79.8	54.8	32.0	13.2	0.9

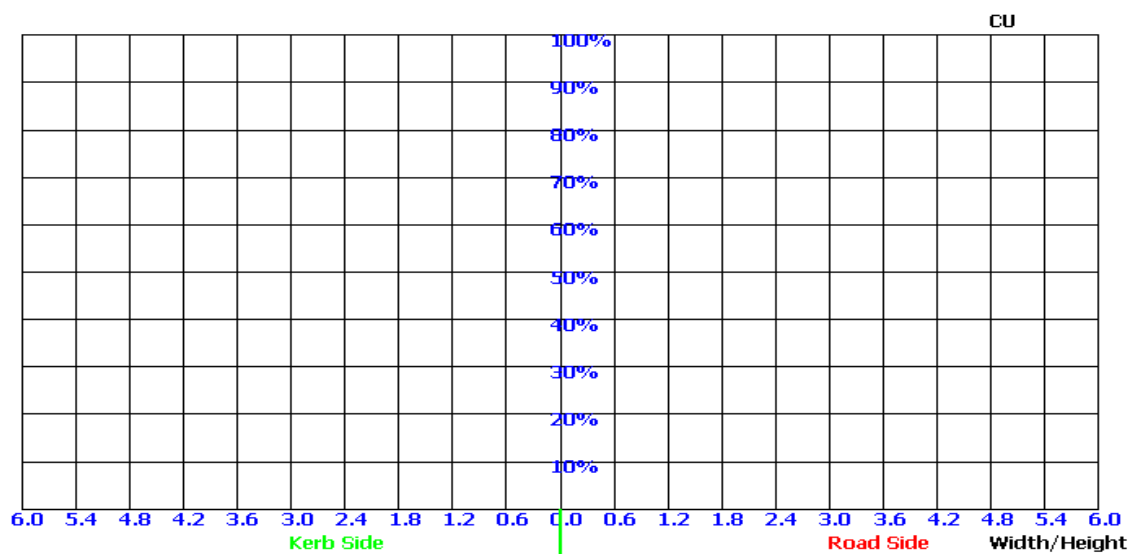
RP Lighting + Fans

Zonal Flux 8538-90-3500K

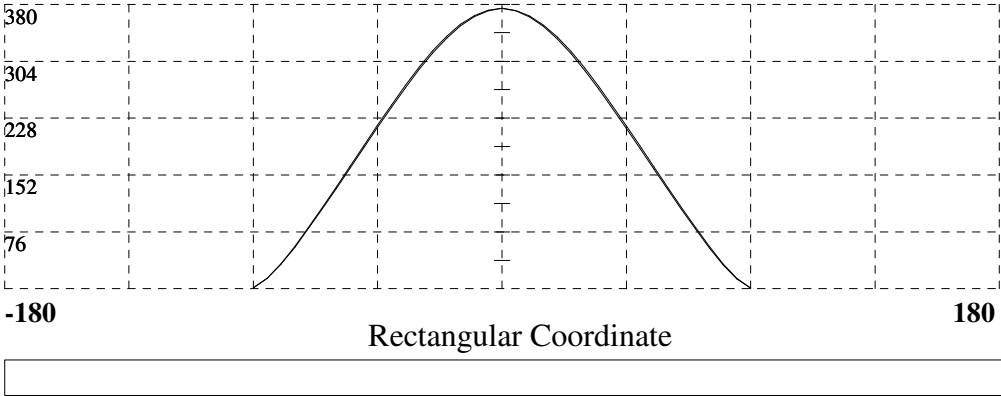
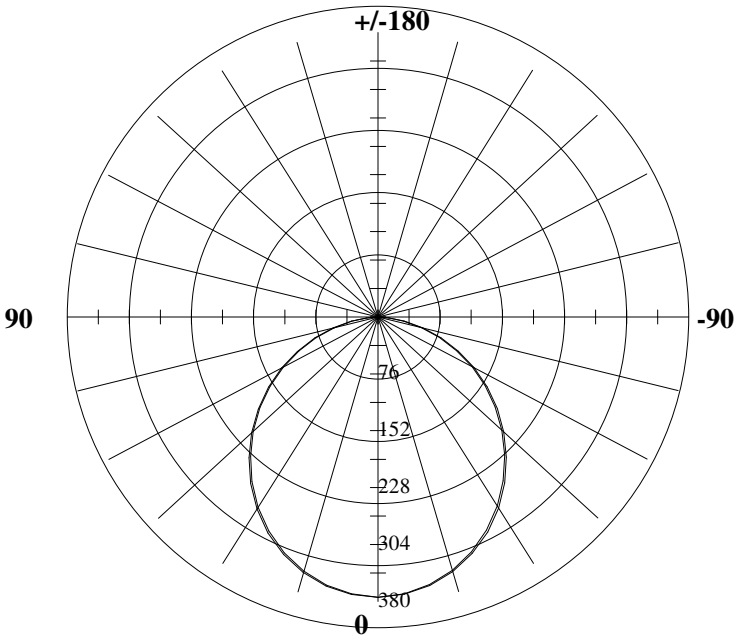
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	374.59	0.00	0.00	0.00	0.00
5	371.61	8.92	8.92	-892.06	-892.06
10	363.92	26.31	35.23	-2631.24	-3523.31
15	351.80	42.46	77.69	-4245.59	-7768.90
20	335.68	56.66	134.35	-5665.79	-13434.70
25	316.13	68.36	202.71	-6836.25	-20270.95
30	293.77	77.18	279.89	-7718.29	-27989.23
35	269.29	82.91	362.81	-8291.43	-36280.66
40	243.27	85.52	448.32	-8551.65	-44832.31
45	216.38	85.11	533.43	-8510.88	-53343.18
50	189.13	81.94	615.37	-8194.09	-61537.27
55	161.72	76.29	691.66	-7628.77	-69166.05
60	134.46	68.46	760.12	-6846.22	-76012.26
65	107.46	58.81	818.93	-5881.15	-81893.38
70	81.09	47.74	866.67	-4774.04	-86667.41
75	55.79	35.78	902.45	-3577.63	-90245.04
80	32.71	23.68	926.13	-2367.97	-92612.96
85	13.67	12.60	938.73	-1260.40	-93873.35
90	1.05	4.03	942.77	-403.28	-94276.65

RP Lighting + Fans

Coefficient Utilization Curve 8538-90-3500K

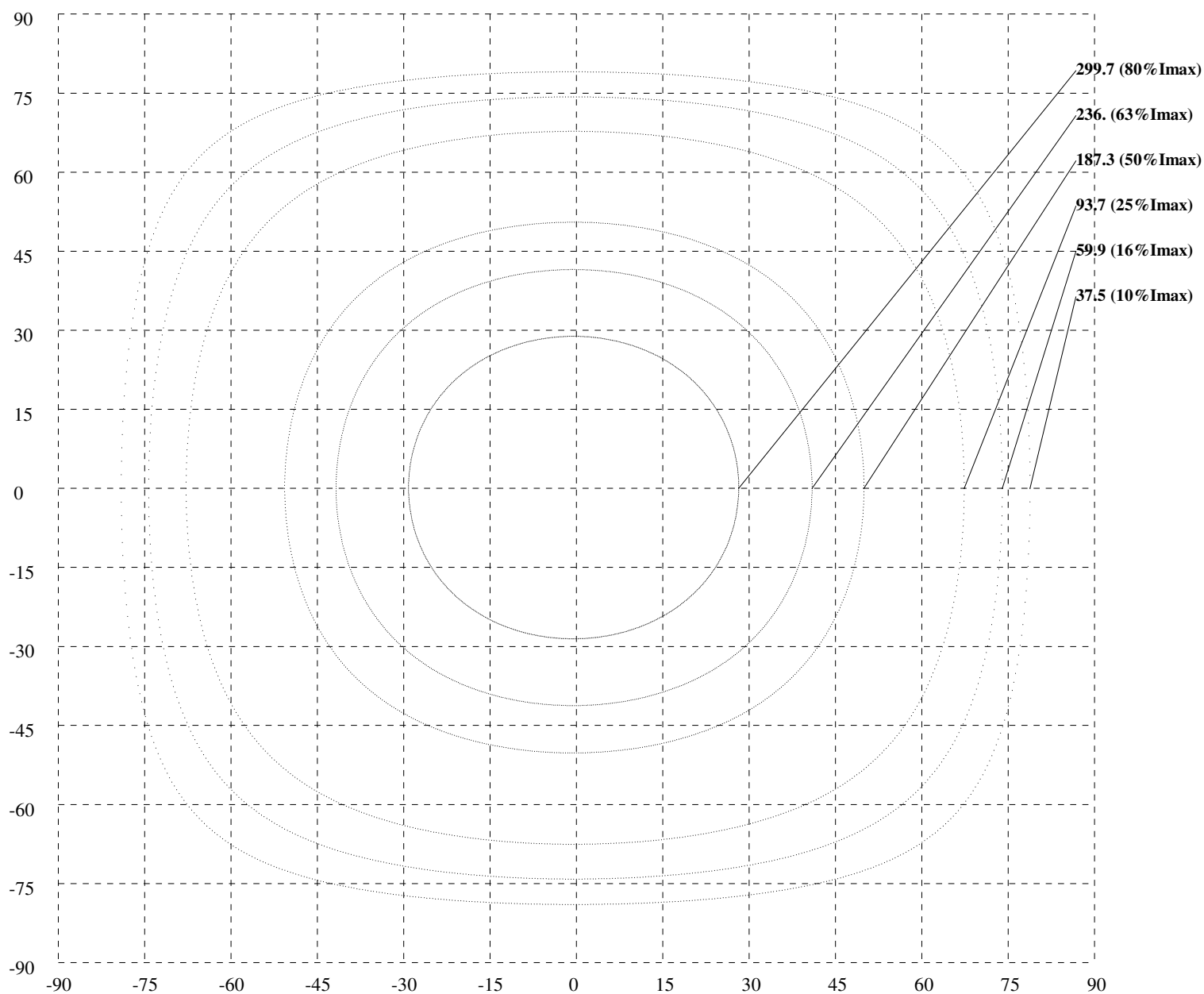


Light Distribution Curve[Unit: cd]



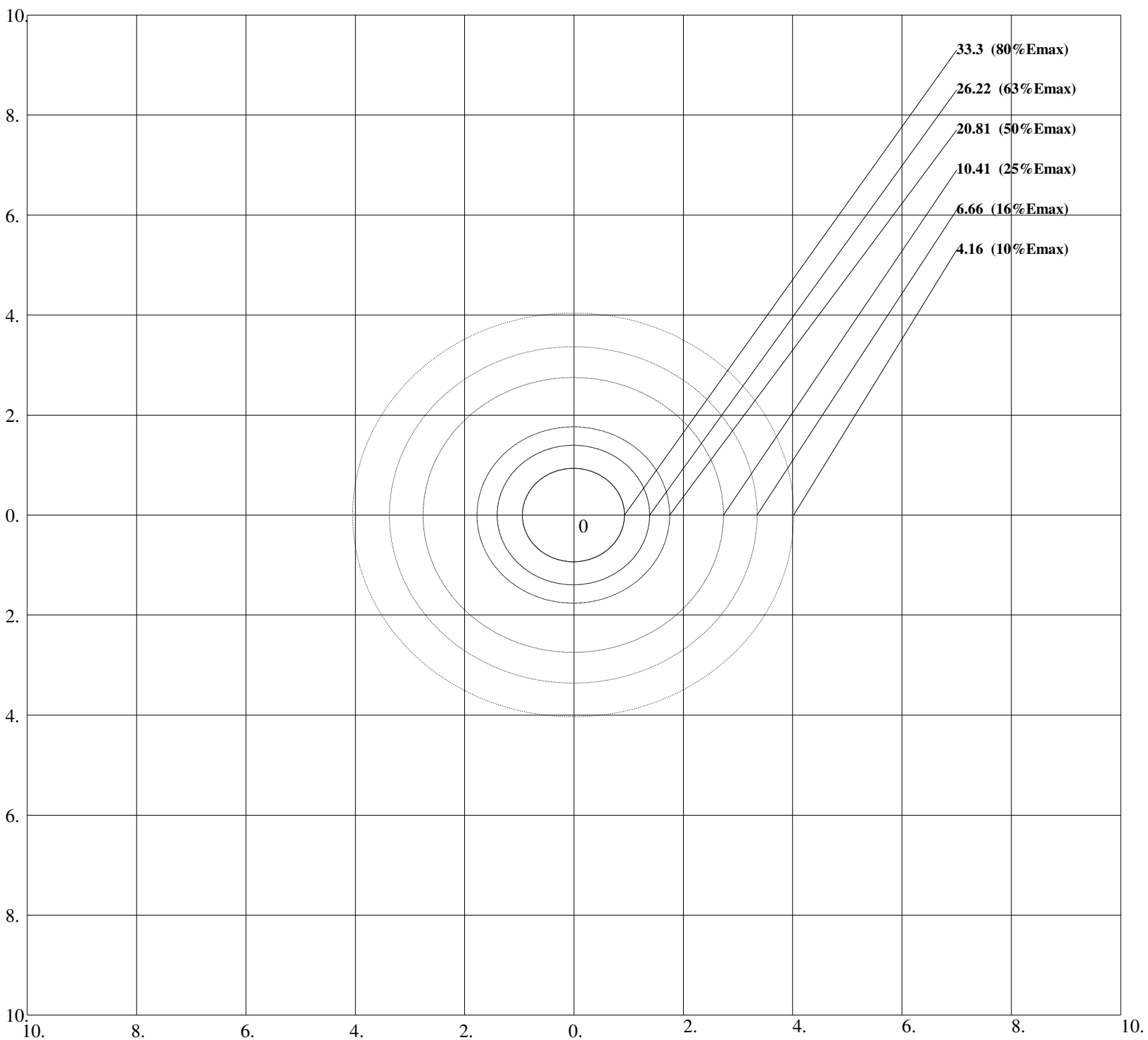
RP Lighting + Fans

ISO-Candela V-H [Unit :cd] 8538-90-3500K



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-90-3500K



Units: lx
Height: 3 m
Max Illuminance : 41.62lx

RP Lighting + Fans

Lux-Distance Curve

