

## Test Report of Luminaire

Report No.:

Luminaire Type	8538-90-5000K		
Lamp Type	LED		
Client		EUT NO.	CCT: 4779K, CRI: 93.3Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.137
Power:	15.0	Power Factor	0.914
Frequency:	60Hz	Tc	5000K
<b>Photometric Parameters</b>			
Luminaire Flux	882.83 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	350.637cd	Central Intensity	350.638cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-88283.12%		
50%Imax Beam Width	C0_180[ 50.0 , -50.7] C90_270[ 50.5 , -50.3]		
Remark			

### Luminaire Figure



## RP Lighting + Fans

### Photometric Data Table

[Unit:cd] 8538-90-5000K

C\G	0	5	10	15	20	25	30	35	40	45
0	350.6	347.0	338.9	327.1	311.6	293.4	272.4	249.5	225.4	200.4
5	350.6	347.0	339.0	327.2	311.7	293.4	272.4	249.6	225.4	200.5
10	350.6	347.0	338.9	327.2	311.7	293.5	272.5	249.7	225.5	200.6
15	350.6	346.9	339.0	327.3	311.8	293.5	272.6	249.8	225.6	200.7
20	350.6	346.9	339.0	327.3	311.9	293.5	272.7	249.9	225.7	200.9
25	350.6	346.9	339.0	327.3	311.9	293.7	272.8	250.0	225.9	201.0
30	350.6	347.0	339.1	327.5	312.1	293.8	273.0	250.1	226.0	201.2
35	350.6	347.0	339.1	327.4	312.1	293.9	273.1	250.3	226.2	201.3
40	350.6	347.0	339.2	327.5	312.2	294.1	273.3	250.5	226.3	201.5
45	350.6	347.1	339.2	327.7	312.4	294.3	273.4	250.6	226.6	201.7
50	350.6	347.0	339.3	327.8	312.5	294.3	273.5	250.8	226.8	201.9
55	350.6	347.1	339.3	327.9	312.6	294.5	273.7	251.0	226.9	202.1
60	350.6	347.1	339.5	328.1	312.8	294.7	273.8	251.2	227.2	202.2
65	350.6	347.2	339.6	328.1	313.0	294.8	274.1	251.5	227.3	202.5
70	350.6	347.2	339.6	328.3	313.1	295.1	274.3	251.6	227.6	202.6
75	350.6	347.2	339.8	328.4	313.3	295.2	274.5	251.9	227.8	202.8
80	350.6	347.3	339.9	328.6	313.5	295.4	274.7	252.0	227.9	203.0
85	350.6	347.3	340.0	328.6	313.6	295.6	274.8	252.2	228.2	203.2
90	350.6	347.4	340.1	328.8	313.8	295.8	275.1	252.4	228.3	203.4
95	350.6	347.4	340.1	329.0	313.9	296.0	275.2	252.6	228.5	203.5
100	350.6	347.5	340.2	329.0	314.1	296.1	275.4	252.7	228.7	203.7
105	350.6	347.5	340.2	329.2	314.2	296.2	275.6	252.9	228.8	203.8
110	350.6	347.5	340.2	329.3	314.4	296.4	275.7	253.0	228.9	203.9
115	350.6	347.6	340.3	329.3	314.5	296.5	275.8	253.2	229.1	204.1
120	350.6	347.6	340.4	329.4	314.6	296.7	276.0	253.4	229.2	204.2
125	350.6	347.6	340.5	329.5	314.7	296.8	276.1	253.5	229.4	204.3
130	350.6	347.7	340.5	329.7	314.9	296.9	276.3	253.6	229.4	204.4
135	350.6	347.7	340.7	329.7	314.9	297.1	276.4	253.8	229.5	204.5
140	350.6	347.5	340.8	329.8	315.0	297.1	276.5	253.8	229.6	204.6
145	350.6	347.7	340.9	329.9	315.1	297.3	276.6	253.9	229.7	204.6
150	350.6	347.6	340.9	330.0	315.1	297.3	276.6	254.0	229.7	204.7
155	350.6	347.7	340.9	330.0	315.2	297.4	276.7	254.1	229.8	204.8
160	350.6	347.6	340.9	330.0	315.2	297.5	276.8	254.1	229.9	204.8
165	350.6	347.7	341.0	330.0	315.3	297.5	276.8	254.3	229.9	204.8
170	350.6	347.8	340.9	330.2	315.3	297.6	276.8	254.2	229.9	204.8
175	350.6	347.7	340.9	330.0	315.3	297.5	276.9	254.2	230.1	204.9
180	350.6	347.8	340.9	330.0	315.3	297.5	276.9	254.3	230.0	204.9
185	350.6	347.7	340.9	330.0	315.3	297.5	276.8	254.2	230.0	204.9
190	350.6	347.7	340.8	330.0	315.3	297.5	276.8	254.2	230.0	204.8
195	350.6	347.6	340.8	330.0	315.2	297.5	276.7	254.1	229.9	204.8
200	350.6	347.6	340.7	329.9	315.2	297.4	276.7	254.0	229.9	204.7
205	350.6	347.6	340.7	329.9	315.1	297.3	276.6	254.0	229.8	204.6
210	350.6	347.5	340.6	329.7	315.0	297.2	276.5	253.8	229.7	204.5
215	350.6	347.5	340.7	329.7	314.9	297.1	276.4	253.7	229.5	204.4
220	350.6	347.4	340.6	329.7	314.8	296.9	276.3	253.6	229.4	204.3
225	350.6	347.4	340.5	329.6	314.7	296.8	276.1	253.4	229.2	204.1
230	350.6	347.4	340.4	329.5	314.5	296.6	276.0	253.3	229.1	203.9
235	350.6	347.4	340.3	329.3	314.5	296.5	275.7	253.1	228.8	203.8

## RP Lighting + Fans

### Photometric Data Table

[Unit:cd] 8538-90-5000K

240	350.6	347.3	340.2	329.2	314.2	296.3	275.5	252.9	228.7	203.5
245	350.6	347.4	340.1	329.0	314.0	296.1	275.4	252.7	228.4	203.4
250	350.6	347.2	340.1	328.9	313.9	295.9	275.1	252.4	228.2	203.1
255	350.6	347.2	340.1	328.8	313.8	295.7	274.9	252.2	227.9	202.9
260	350.6	347.1	339.8	328.6	313.5	295.5	274.7	252.0	227.7	202.7
265	350.6	347.1	339.8	328.5	313.3	295.3	274.5	251.8	227.5	202.4
270	350.6	347.0	339.7	328.3	313.2	295.2	274.2	251.5	227.2	202.2
275	350.6	346.9	339.5	328.2	313.0	294.9	274.0	251.2	227.0	202.0
280	350.6	347.0	339.5	328.1	312.8	294.7	273.8	251.0	226.8	201.8
285	350.6	346.8	339.3	327.9	312.7	294.6	273.6	250.8	226.6	201.6
290	350.6	346.8	339.2	327.8	312.5	294.3	273.4	250.6	226.4	201.3
295	350.6	346.7	339.2	327.7	312.3	294.2	273.2	250.4	226.2	201.1
300	350.6	346.6	339.0	327.6	312.3	294.0	273.1	250.2	226.0	200.9
305	350.6	346.7	339.1	327.5	312.1	293.9	272.9	250.0	225.8	200.9
310	350.6	346.6	338.9	327.4	311.9	293.7	272.8	249.8	225.7	200.7
315	350.6	346.6	338.9	327.3	311.9	293.6	272.6	249.7	225.5	200.6
320	350.6	346.5	338.8	327.3	311.7	293.5	272.5	249.6	225.5	200.5
325	350.6	346.5	338.8	327.1	311.7	293.4	272.4	249.6	225.4	200.4
330	350.6	346.5	338.7	327.2	311.6	293.4	272.3	249.4	225.3	200.4
335	350.6	346.4	338.6	327.0	311.6	293.3	272.2	249.4	225.3	200.4
340	350.6	346.5	338.7	327.0	311.5	293.3	272.3	249.4	225.2	200.4
345	350.6	346.4	338.7	327.0	311.6	293.3	272.3	249.4	225.3	200.4
350	350.6	346.4	338.6	326.9	311.6	293.3	272.3	249.4	225.3	200.4
355	350.6	346.4	338.6	327.0	311.6	293.3	272.3	249.4	225.3	200.4
360	350.6	347.0	338.9	327.1	311.6	293.4	272.4	249.5	225.4	200.4

C\G	50	55	60	65	70	75	80	85	90
0	175.1	149.8	124.6	99.5	75.0	51.4	30.0	12.5	0.9
5	175.2	149.8	124.6	99.6	75.0	51.5	30.0	12.4	0.9
10	175.3	150.0	124.7	99.6	75.0	51.5	30.0	12.4	0.8
15	175.4	150.1	124.8	99.7	75.1	51.5	30.0	12.4	0.8
20	175.5	150.2	124.9	99.8	75.2	51.5	30.0	12.4	0.8
25	175.7	150.3	125.0	99.9	75.2	51.6	30.0	12.4	0.7
30	175.8	150.4	125.1	100.0	75.3	51.7	30.1	12.4	0.7
35	176.0	150.6	125.3	100.1	75.4	51.7	30.2	12.4	0.7
40	176.2	150.7	125.4	100.3	75.6	51.9	30.2	12.5	0.7
45	176.3	150.9	125.6	100.4	75.7	51.9	30.3	12.5	0.7
50	176.6	151.1	125.8	100.5	75.8	52.1	30.4	12.6	0.7
55	176.7	151.3	125.9	100.7	76.0	52.2	30.5	12.7	0.7
60	176.9	151.4	126.1	100.9	76.1	52.3	30.6	12.8	0.7
65	177.1	151.7	126.2	101.0	76.2	52.4	30.7	12.8	0.7
70	177.3	151.8	126.4	101.2	76.4	52.5	30.8	12.9	0.7
75	177.5	152.0	126.6	101.3	76.5	52.6	30.9	12.9	0.7
80	177.7	152.1	126.7	101.4	76.6	52.7	31.0	13.0	0.7
85	177.9	152.3	126.8	101.6	76.7	52.8	31.0	13.0	0.7
90	178.0	152.4	127.0	101.7	76.8	52.9	31.1	13.0	0.7
95	178.1	152.6	127.1	101.8	76.9	52.9	31.1	13.1	0.8
100	178.3	152.7	127.2	101.9	76.9	53.0	31.2	13.1	0.8

## RP Lighting + Fans

### Photometric Data Table

[Unit:cd] 8538-90-5000K

105	178.4	152.8	127.3	101.9	77.0	53.0	31.2	13.1	0.8
110	178.5	152.9	127.4	102.0	77.0	53.0	31.2	13.1	0.8
115	178.6	153.0	127.4	102.1	77.1	53.1	31.2	13.1	0.8
120	178.7	153.1	127.5	102.1	77.1	53.1	31.2	13.1	0.8
125	178.8	153.1	127.5	102.2	77.1	53.1	31.2	13.1	0.8
130	178.9	153.2	127.6	102.2	77.1	53.1	31.2	13.1	0.8
135	178.9	153.3	127.7	102.2	77.1	53.2	31.2	13.1	0.9
140	179.0	153.3	127.7	102.2	77.1	53.1	31.2	13.2	0.9
145	179.0	153.4	127.7	102.2	77.2	53.1	31.2	13.1	0.9
150	179.1	153.4	127.7	102.3	77.2	53.2	31.2	13.1	0.9
155	179.1	153.4	127.7	102.3	77.2	53.1	31.2	13.1	0.9
160	179.2	153.4	127.8	102.3	77.2	53.1	31.2	13.1	1.0
165	179.2	153.5	127.8	102.3	77.2	53.1	31.1	13.1	1.0
170	179.2	153.4	127.8	102.2	77.1	53.1	31.1	13.1	1.0
175	179.2	153.4	127.8	102.2	77.1	53.0	31.1	13.1	1.0
180	179.2	153.4	127.7	102.2	77.1	53.0	31.1	13.1	1.1
185	179.2	153.4	127.7	102.1	77.0	53.0	31.0	13.0	1.1
190	179.1	153.4	127.7	102.1	77.0	52.9	31.0	13.0	1.1
195	179.1	153.3	127.6	102.0	76.9	52.9	30.9	13.0	1.2
200	179.0	153.3	127.5	101.9	76.9	52.8	30.9	12.9	1.2
205	178.9	153.1	127.4	101.9	76.8	52.8	30.9	12.9	1.2
210	178.9	153.1	127.4	101.8	76.8	52.7	30.8	12.9	1.2
215	178.7	153.0	127.3	101.7	76.7	52.7	30.8	12.9	1.3
220	178.6	152.9	127.2	101.7	76.6	52.6	30.8	12.9	1.3
225	178.5	152.8	127.1	101.6	76.6	52.6	30.8	12.9	1.3
230	178.3	152.6	126.9	101.5	76.5	52.6	30.8	13.0	1.3
235	178.2	152.5	126.8	101.4	76.4	52.6	30.8	13.0	1.4
240	178.0	152.3	126.7	101.2	76.4	52.5	30.8	13.0	1.4
245	177.7	152.1	126.5	101.1	76.2	52.5	30.8	13.0	1.4
250	177.5	151.9	126.3	101.0	76.2	52.4	30.7	13.0	1.4
255	177.3	151.7	126.2	100.9	76.1	52.3	30.8	13.0	1.4
260	177.1	151.6	126.0	100.8	76.0	52.3	30.7	13.0	1.4
265	177.0	151.4	125.9	100.6	75.9	52.2	30.7	13.0	1.4
270	176.7	151.2	125.7	100.5	75.8	52.2	30.7	13.0	1.5
275	176.6	151.0	125.6	100.4	75.7	52.1	30.6	13.0	1.4
280	176.3	150.9	125.4	100.3	75.6	52.0	30.6	12.9	1.4
285	176.2	150.7	125.3	100.1	75.5	52.0	30.5	12.9	1.4
290	176.0	150.5	125.2	100.0	75.5	51.9	30.5	12.9	1.4
295	175.8	150.3	125.0	99.9	75.3	51.8	30.5	12.8	1.4
300	175.7	150.2	124.9	99.8	75.3	51.8	30.4	12.8	1.3
305	175.5	150.1	124.8	99.8	75.2	51.7	30.4	12.8	1.3
310	175.4	150.0	124.7	99.7	75.2	51.7	30.3	12.7	1.3
315	175.3	149.9	124.6	99.6	75.1	51.6	30.3	12.7	1.2
320	175.3	149.8	124.6	99.6	75.1	51.6	30.2	12.7	1.2
325	175.2	149.8	124.5	99.5	75.0	51.5	30.2	12.6	1.2
330	175.1	149.7	124.5	99.5	75.0	51.5	30.2	12.6	1.1
335	175.1	149.7	124.5	99.4	74.9	51.5	30.1	12.6	1.1
340	175.0	149.7	124.4	99.5	74.9	51.5	30.1	12.6	1.0
345	175.1	149.7	124.5	99.5	74.9	51.4	30.1	12.5	1.0

## ***RP Lighting + Fans***

### **Photometric Data Table**

**[Unit:cd] 8538-90-5000K**

<b>350</b>	175.1	149.7	124.5	99.5	74.9	51.4	30.0	12.5	1.0
<b>355</b>	175.1	149.7	124.5	99.5	74.9	51.4	30.0	12.5	0.9
<b>360</b>	175.1	149.8	124.6	99.5	75.0	51.4	30.0	12.5	0.9

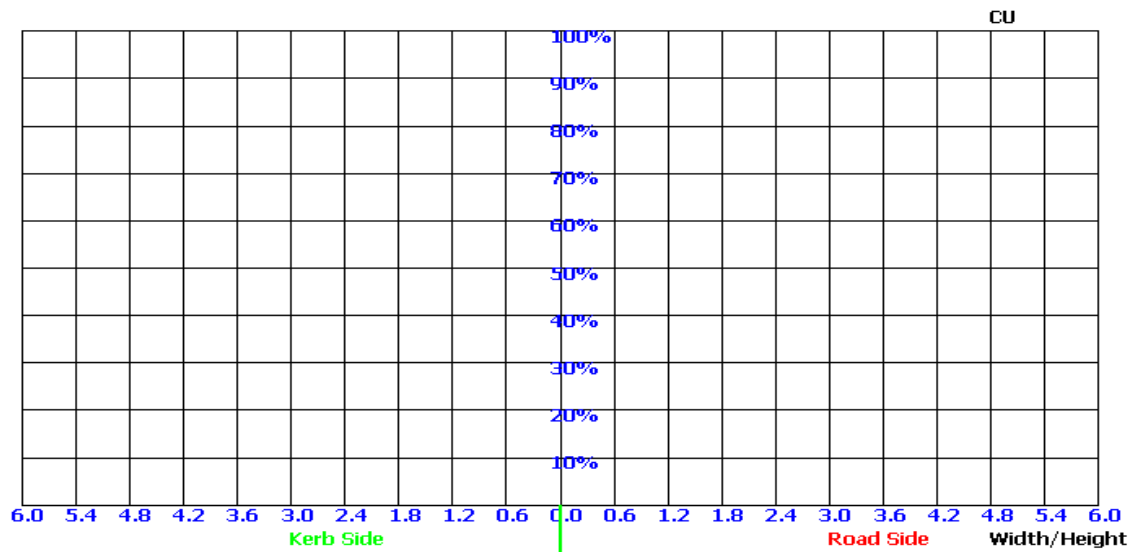
## ***RP Lighting + Fans***

### **Zonal Flux 8538-90-5000K**

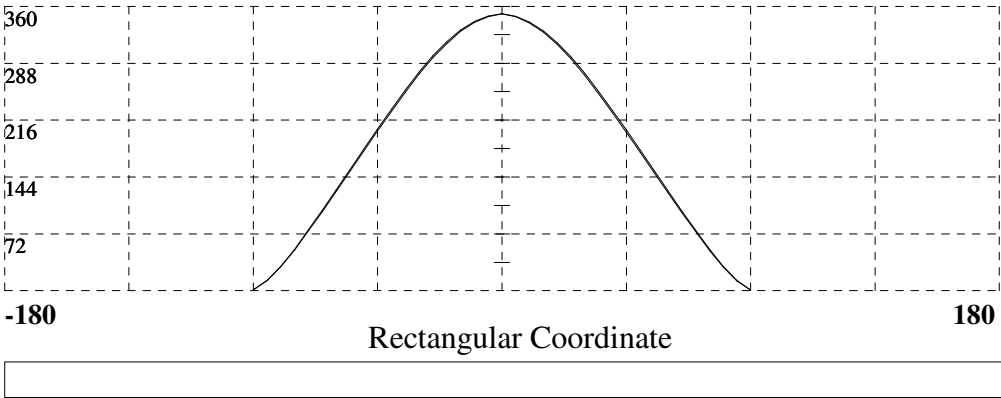
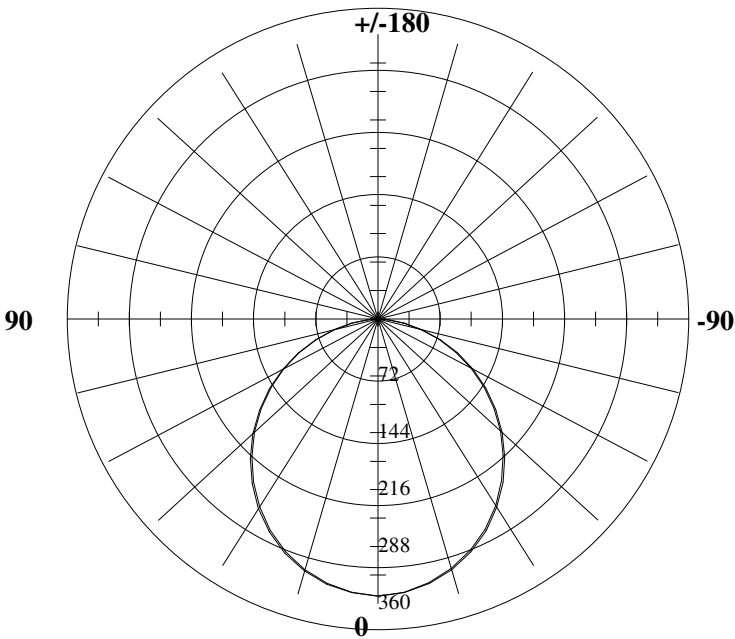
<b>Gamma [°]</b>	<b>I<sub>mean</sub> [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum.Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum.Flux [%]</b>
<b>0</b>	350.64	0.00	0.00	0.00	0.00
<b>5</b>	347.19	8.34	8.34	-834.24	-834.24
<b>10</b>	339.83	24.58	32.92	-2457.71	-3291.95
<b>15</b>	328.54	39.65	72.57	-3964.76	-7256.71
<b>20</b>	313.47	52.91	125.48	-5291.08	-12547.79
<b>25</b>	295.44	63.86	189.34	-6386.28	-18934.07
<b>30</b>	274.63	72.14	261.48	-7214.22	-26148.28
<b>35</b>	251.90	77.54	339.02	-7753.50	-33901.79
<b>40</b>	227.74	80.02	419.04	-8002.36	-41904.15
<b>45</b>	202.73	79.70	498.75	-7970.47	-49874.61
<b>50</b>	177.28	76.79	575.53	-7678.71	-57553.34
<b>55</b>	151.72	71.54	647.07	-7153.59	-64706.91
<b>60</b>	126.24	64.25	711.32	-6425.05	-71131.97
<b>65</b>	100.97	55.23	766.55	-5523.50	-76655.44
<b>70</b>	76.14	44.84	811.40	-4484.49	-81139.93
<b>75</b>	52.35	33.59	844.99	-3358.64	-84498.57
<b>80</b>	30.69	22.22	867.20	-2221.89	-86720.47
<b>85</b>	12.84	11.83	879.03	-1182.72	-87903.23
<b>90</b>	1.03	3.80	882.83	-379.81	-88283.01

## *RP Lighting + Fans*

### *Coefficient Utilization Curve 8538-90-5000K*

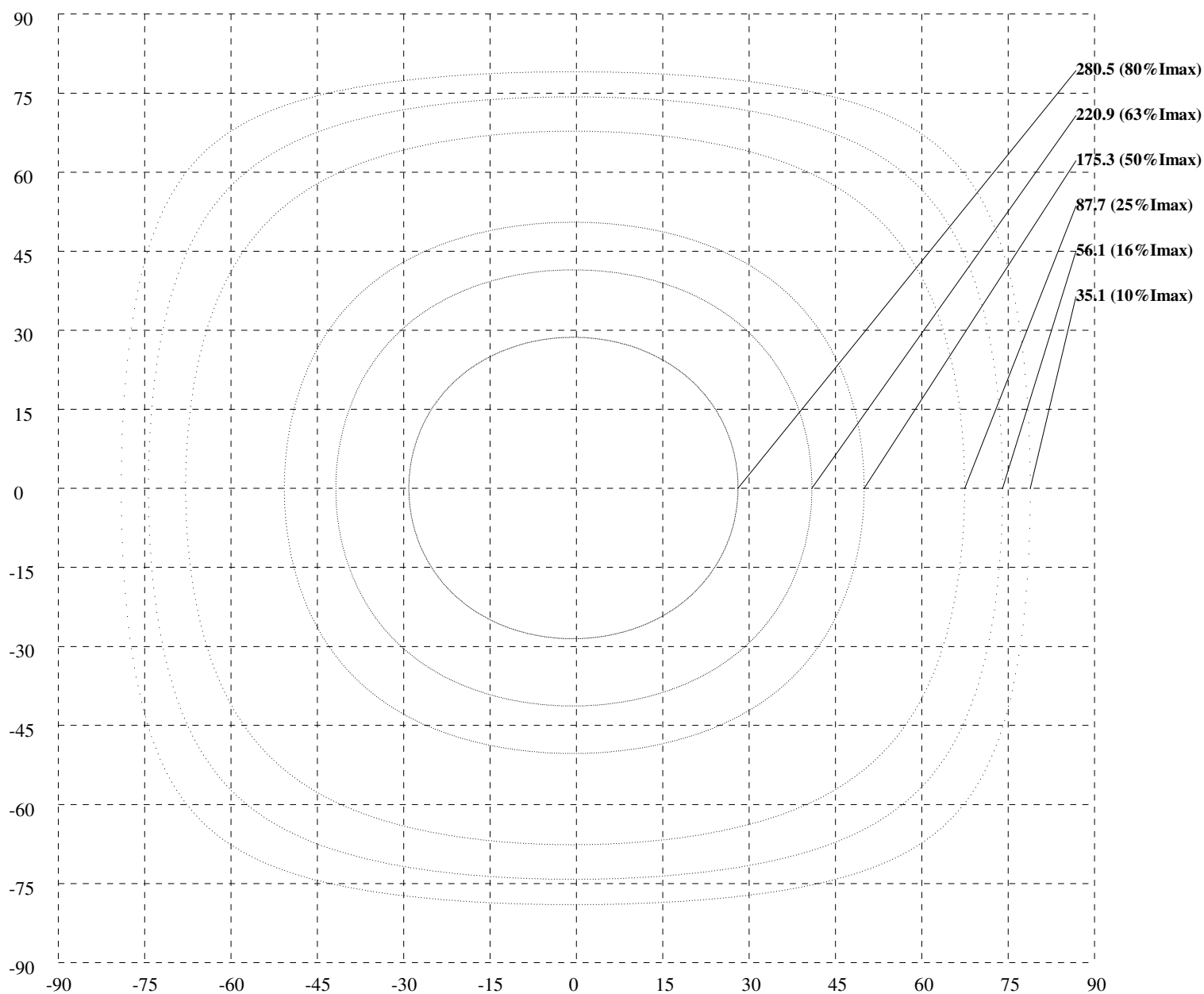


Light Distribution Curve[Unit: cd]



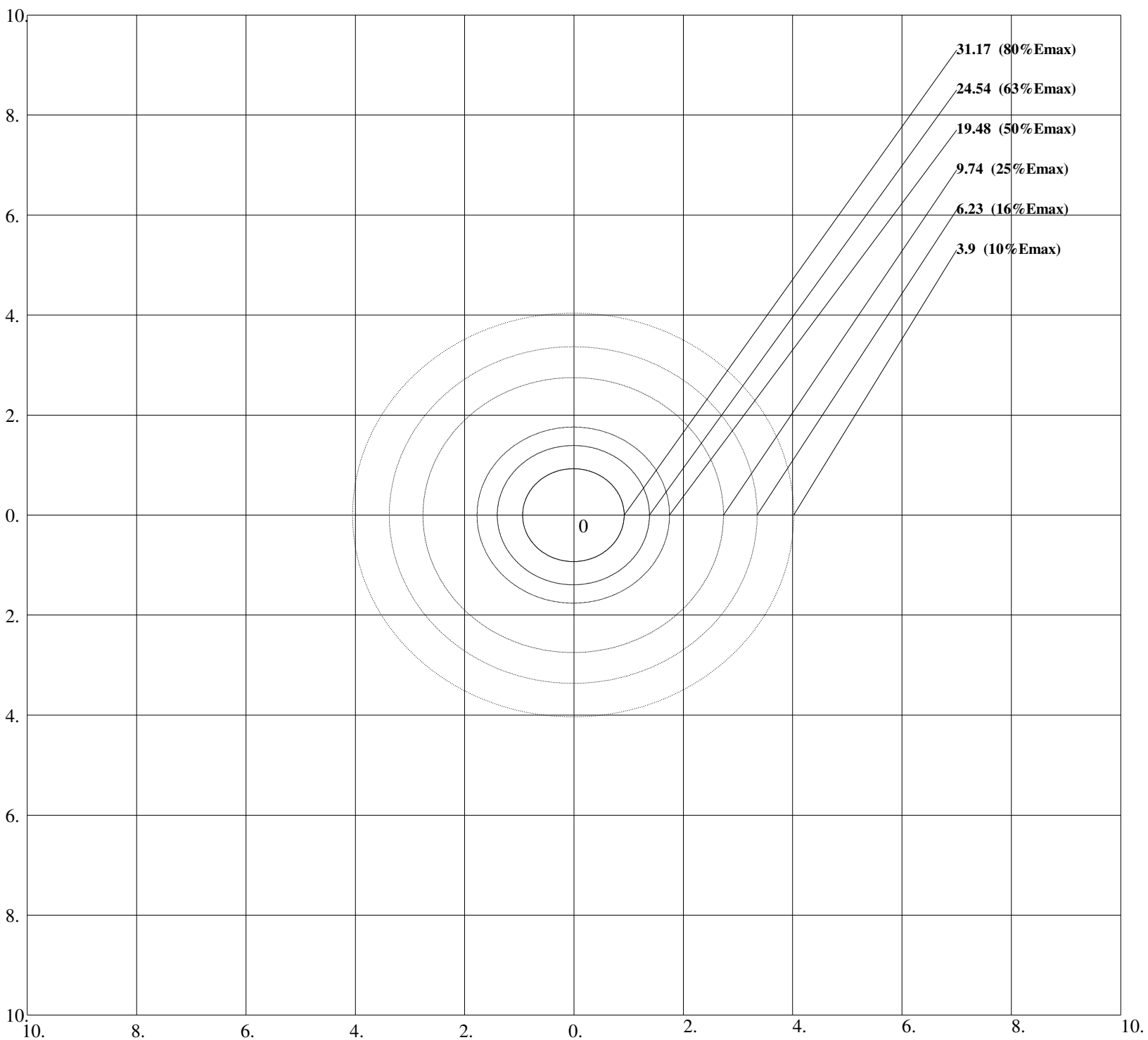
## *RP Lighting + Fans*

**ISO-Candela V-H [Unit :cd] 8538-90-5000K**



RP Lighting + Fans

Iso-Lux [Unit :lx] 8538-90-5000K



Units: lx  
Height: 3 m  
Max Illuminance : 38.96lx

## *RP Lighting + Fans*

### *Lux-Distance Curve*

