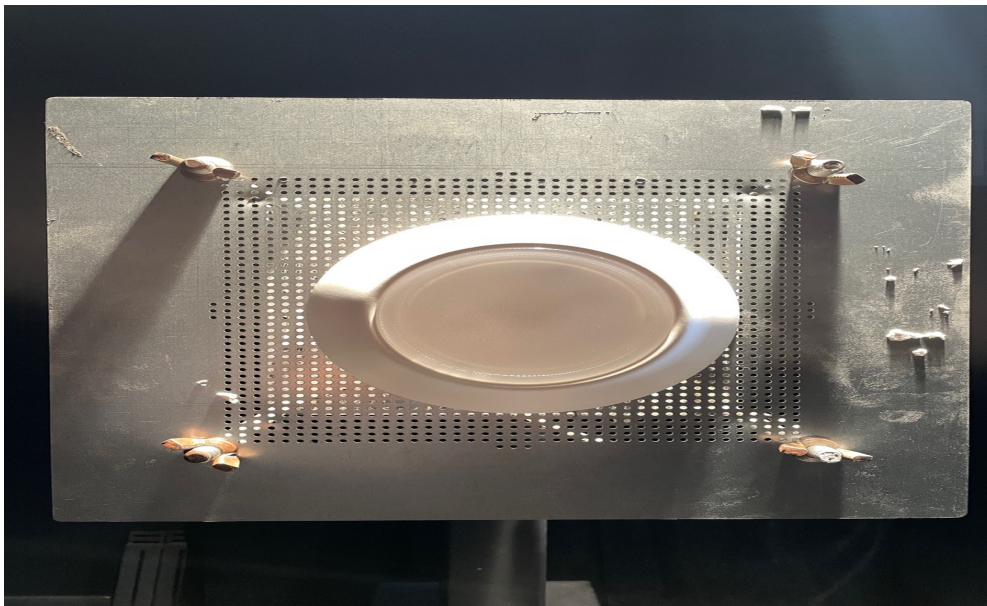


## Test Report of Luminaire

Report No.:

Luminaire Type	8538-80-3500K		
Lamp Type	LED		
Client		EUT NO.	CCT: 3457K, CRI: 85.6Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.138
Power:	15.2	Power Factor	0.914
Frequency:	60Hz	Tc	3500K
<b>Photometric Parameters</b>			
Luminaire Flux	1078.28 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	429.716cd	Central Intensity	429.717cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-107827.9%		
50%Imax Beam Width	C0_180[ 50.1 , -50.5] C90_270[ 50.0 , -50.5]		
Remark			

### Luminaire Figure



## RP Lighting + Fan

### Photometric Data Table

[Unit:cd] 8538-80-3500K

C\G	0	5	10	15	20	25	30	35	40	45
0	429.7	425.7	416.2	401.9	383.2	360.6	334.8	306.8	277.1	246.3
5	429.7	425.8	416.2	401.9	383.1	360.5	334.7	306.6	276.8	246.2
10	429.7	425.7	416.1	401.8	382.9	360.4	334.5	306.5	276.7	245.9
15	429.7	425.7	416.1	401.7	382.9	360.2	334.4	306.3	276.5	245.8
20	429.7	425.6	416.0	401.6	382.7	360.0	334.3	306.1	276.3	245.6
25	429.7	425.6	415.9	401.6	382.8	360.0	334.1	306.1	276.2	245.4
30	429.7	425.5	415.9	401.6	382.7	359.9	334.1	305.9	276.0	245.3
35	429.7	425.5	415.8	401.6	382.7	359.9	334.0	305.9	276.0	245.2
40	429.7	425.5	415.9	401.6	382.6	359.9	334.0	305.8	275.9	245.2
45	429.7	425.4	415.9	401.6	382.6	359.9	334.0	305.9	276.0	245.1
50	429.7	425.5	416.0	401.6	382.6	359.9	334.0	305.9	276.0	245.2
55	429.7	425.4	416.0	401.6	382.7	359.9	334.1	305.9	276.1	245.2
60	429.7	425.5	416.0	401.7	382.7	360.1	334.1	306.0	276.1	245.2
65	429.7	425.5	416.1	401.7	382.8	360.1	334.3	306.1	276.3	245.4
70	429.7	425.5	416.2	401.8	382.9	360.3	334.4	306.3	276.4	245.5
75	429.7	425.6	416.2	401.9	383.0	360.4	334.6	306.4	276.6	245.7
80	429.7	425.6	416.3	402.0	383.2	360.6	334.8	306.6	276.8	245.8
85	429.7	425.7	416.3	402.1	383.3	360.8	334.9	306.8	276.9	246.1
90	429.7	425.7	416.4	402.3	383.6	360.9	335.2	307.0	277.2	246.2
95	429.7	425.7	416.5	402.3	383.7	361.2	335.4	307.3	277.3	246.4
100	429.7	425.8	416.6	402.6	383.9	361.3	335.7	307.5	277.6	246.7
105	429.7	425.8	416.7	402.6	384.1	361.6	335.9	307.7	277.8	246.9
110	429.7	425.8	416.7	402.8	384.2	361.8	336.1	307.9	278.1	247.2
115	429.7	425.9	416.8	402.9	384.5	362.0	336.3	308.2	278.4	247.3
120	429.7	425.9	416.9	403.0	384.6	362.3	336.5	308.4	278.6	247.6
125	429.7	425.9	417.0	403.2	384.8	362.4	336.7	308.6	278.8	247.8
130	429.7	425.9	417.2	403.3	385.0	362.6	337.0	308.9	279.0	248.0
135	429.7	425.9	417.2	403.5	385.1	362.8	337.1	309.0	279.2	248.2
140	429.7	426.1	417.3	403.6	385.3	363.0	337.3	309.3	279.3	248.3
145	429.7	426.1	417.4	403.7	385.4	363.1	337.6	309.4	279.5	248.5
150	429.7	426.2	417.5	403.8	385.5	363.3	337.7	309.6	279.7	248.6
155	429.7	426.2	417.6	404.0	385.7	363.3	337.9	309.7	279.8	248.8
160	429.7	426.2	417.6	404.0	385.7	363.5	338.0	309.8	280.0	248.9
165	429.7	426.3	417.7	404.1	385.9	363.6	338.1	310.0	280.1	249.0
170	429.7	426.2	417.7	404.2	385.9	363.7	338.2	310.0	280.1	249.1
175	429.7	426.4	417.8	404.2	386.0	363.8	338.2	310.2	280.3	249.1
180	429.7	426.3	417.8	404.3	386.0	363.8	338.3	310.2	280.3	249.2
185	429.7	426.4	417.8	404.2	386.0	363.9	338.3	310.3	280.4	249.2
190	429.7	426.3	417.8	404.3	386.0	363.9	338.3	310.3	280.4	249.3
195	429.7	426.3	417.7	404.3	386.1	364.0	338.3	310.2	280.4	249.3
200	429.7	426.3	417.7	404.3	386.1	363.9	338.3	310.3	280.4	249.4
205	429.7	426.3	417.8	404.3	386.1	363.9	338.3	310.2	280.4	249.4
210	429.7	426.3	417.8	404.4	386.1	363.9	338.3	310.3	280.4	249.4
215	429.7	426.3	417.8	404.2	386.0	363.8	338.3	310.2	280.4	249.4
220	429.7	426.2	417.8	404.3	386.0	363.8	338.2	310.1	280.3	249.3
225	429.7	426.3	417.7	404.2	385.9	363.7	338.2	310.0	280.3	249.4
230	429.7	426.2	417.8	404.2	386.0	363.7	338.1	310.0	280.2	249.3
235	429.7	426.2	417.7	404.1	385.9	363.6	338.1	309.9	280.2	249.3

## RP Lighting + Fan

### Photometric Data Table

[Unit:cd] 8538-80-3500K

240	429.7	426.2	417.7	404.0	385.8	363.6	338.0	310.0	280.2	249.3
245	429.7	426.2	417.6	404.1	385.8	363.4	338.0	309.9	280.1	249.2
250	429.7	426.1	417.5	404.0	385.7	363.4	337.9	309.8	280.1	249.2
255	429.7	426.2	417.5	403.9	385.8	363.4	337.8	309.8	280.0	249.1
260	429.7	426.1	417.4	403.9	385.5	363.3	337.8	309.7	280.1	249.1
265	429.7	426.1	417.4	403.7	385.5	363.3	337.7	309.8	279.9	249.1
270	429.7	426.0	417.3	403.7	385.4	363.2	337.7	309.6	279.9	249.1
275	429.7	426.0	417.3	403.7	385.4	363.1	337.6	309.6	279.9	249.0
280	429.7	426.0	417.2	403.5	385.2	363.0	337.4	309.5	279.8	249.0
285	429.7	425.9	417.1	403.5	385.1	363.0	337.4	309.4	279.7	248.9
290	429.7	425.9	417.1	403.4	385.1	362.8	337.3	309.3	279.6	248.9
295	429.7	425.9	416.9	403.2	384.9	362.8	337.1	309.1	279.5	248.8
300	429.7	425.8	417.0	403.2	384.9	362.6	337.1	309.1	279.5	248.7
305	429.7	425.6	416.8	403.1	384.7	362.4	336.9	308.9	279.3	248.6
310	429.7	425.6	416.8	403.0	384.5	362.3	336.7	308.9	279.2	248.5
315	429.7	425.5	416.7	402.9	384.4	362.1	336.6	308.6	279.0	248.4
320	429.7	425.4	416.6	402.7	384.2	362.0	336.3	308.5	278.8	248.1
325	429.7	425.5	416.6	402.7	384.1	361.7	336.2	308.3	278.7	248.0
330	429.7	425.4	416.5	402.5	383.8	361.6	336.0	308.1	278.5	247.8
335	429.7	425.4	416.3	402.4	383.8	361.4	335.9	308.0	278.3	247.5
340	429.7	425.4	416.3	402.2	383.6	361.2	335.6	307.7	278.0	247.3
345	429.7	425.3	416.2	402.1	383.5	361.1	335.4	307.5	277.7	247.0
350	429.7	425.3	416.0	401.9	383.4	360.9	335.2	307.3	277.6	246.8
355	429.7	425.2	416.0	402.0	383.2	360.8	335.0	307.1	277.2	246.6
360	429.7	425.7	416.2	401.9	383.2	360.6	334.8	306.8	277.1	246.3

C\G	50	55	60	65	70	75	80	85	90
0	215.3	184.1	153.1	122.4	92.5	63.7	37.4	15.8	1.3
5	215.1	183.9	152.9	122.3	92.3	63.5	37.3	15.7	1.3
10	214.9	183.7	152.7	122.0	92.1	63.4	37.2	15.7	1.3
15	214.7	183.5	152.5	121.9	91.9	63.2	37.0	15.5	1.2
20	214.5	183.3	152.3	121.7	91.7	63.0	36.9	15.4	1.2
25	214.3	183.2	152.2	121.5	91.6	62.9	36.7	15.3	1.2
30	214.2	183.0	152.0	121.4	91.4	62.7	36.6	15.2	1.2
35	214.1	183.0	151.9	121.2	91.3	62.6	36.5	15.1	1.2
40	214.1	182.8	151.8	121.1	91.2	62.5	36.3	15.0	1.2
45	214.0	182.8	151.7	121.1	91.1	62.4	36.2	14.9	1.2
50	214.1	182.8	151.7	121.0	91.0	62.3	36.1	14.7	1.2
55	214.1	182.8	151.7	121.0	91.0	62.2	36.0	14.7	1.2
60	214.1	182.8	151.7	121.0	90.9	62.1	35.9	14.6	1.2
65	214.3	182.9	151.7	121.0	90.9	62.1	35.8	14.5	1.2
70	214.3	183.0	151.8	121.0	90.9	62.0	35.7	14.4	1.1
75	214.5	183.1	151.9	121.0	90.8	62.0	35.7	14.3	1.1
80	214.6	183.2	151.9	121.1	90.9	61.9	35.6	14.3	1.1
85	214.8	183.3	152.1	121.1	90.9	61.9	35.6	14.2	1.1
90	214.9	183.5	152.2	121.2	90.9	61.9	35.6	14.2	1.1
95	215.2	183.7	152.3	121.3	91.0	61.9	35.5	14.2	1.0
100	215.3	183.8	152.4	121.4	91.0	61.9	35.5	14.1	1.0

## RP Lighting + Fan

### Photometric Data Table

[Unit:cd] 8538-80-3500K

105	215.6	184.0	152.6	121.5	91.1	61.9	35.5	14.1	1.0
110	215.8	184.2	152.7	121.6	91.2	62.0	35.5	14.1	1.0
115	216.0	184.4	152.9	121.7	91.2	62.0	35.5	14.0	1.0
120	216.2	184.5	153.0	121.8	91.3	62.1	35.4	14.0	0.9
125	216.3	184.7	153.1	121.9	91.4	62.1	35.5	14.0	0.9
130	216.6	184.8	153.3	122.0	91.4	62.1	35.5	14.0	0.9
135	216.7	185.1	153.4	122.1	91.5	62.2	35.5	14.0	0.8
140	216.9	185.2	153.5	122.2	91.6	62.2	35.5	14.0	0.8
145	217.1	185.3	153.7	122.4	91.7	62.3	35.5	14.0	0.8
150	217.2	185.4	153.8	122.4	91.8	62.4	35.6	14.0	0.8
155	217.3	185.5	153.9	122.6	91.9	62.4	35.7	14.0	0.8
160	217.4	185.7	154.0	122.7	92.0	62.6	35.7	14.1	0.7
165	217.6	185.8	154.1	122.8	92.1	62.7	35.9	14.2	0.7
170	217.6	185.9	154.2	122.9	92.2	62.8	36.0	14.3	0.7
175	217.7	186.0	154.3	123.0	92.3	62.9	36.1	14.4	0.7
180	217.8	186.1	154.4	123.1	92.5	63.0	36.3	14.5	0.7
185	217.8	186.1	154.5	123.2	92.6	63.2	36.4	14.7	0.7
190	217.9	186.2	154.6	123.3	92.7	63.3	36.5	14.7	0.7
195	217.9	186.2	154.7	123.4	92.8	63.4	36.7	14.8	0.7
200	218.0	186.3	154.7	123.5	92.9	63.5	36.8	14.9	0.7
205	217.9	186.3	154.8	123.6	93.0	63.6	36.9	15.0	0.8
210	218.0	186.3	154.8	123.6	93.1	63.8	37.0	15.1	0.8
215	218.0	186.4	154.9	123.7	93.2	63.9	37.2	15.2	0.8
220	218.0	186.4	154.9	123.8	93.3	64.0	37.3	15.3	0.8
225	218.0	186.5	155.0	123.9	93.4	64.1	37.4	15.4	0.9
230	218.0	186.4	155.0	123.9	93.5	64.2	37.5	15.5	0.8
235	218.0	186.5	155.0	124.0	93.6	64.3	37.6	15.6	0.9
240	217.9	186.5	155.1	124.0	93.6	64.4	37.7	15.7	1.0
245	218.0	186.5	155.1	124.1	93.7	64.5	37.8	15.8	1.0
250	217.9	186.5	155.1	124.2	93.8	64.6	37.9	15.9	1.1
255	218.0	186.5	155.2	124.3	93.9	64.7	38.0	16.0	1.1
260	217.9	186.6	155.2	124.3	94.0	64.8	38.1	16.1	1.2
265	217.9	186.5	155.3	124.4	94.0	64.9	38.2	16.2	1.2
270	217.9	186.6	155.3	124.4	94.1	65.0	38.3	16.3	1.2
275	217.9	186.5	155.3	124.4	94.1	65.0	38.3	16.3	1.3
280	217.9	186.5	155.3	124.4	94.1	65.0	38.4	16.4	1.3
285	217.8	186.5	155.3	124.4	94.2	65.1	38.4	16.4	1.4
290	217.8	186.4	155.3	124.4	94.2	65.1	38.4	16.4	1.4
295	217.7	186.4	155.2	124.4	94.2	65.0	38.4	16.5	1.4
300	217.7	186.3	155.2	124.3	94.1	65.0	38.4	16.4	1.4
305	217.5	186.2	155.1	124.3	94.0	65.0	38.4	16.4	1.4
310	217.4	186.1	155.0	124.1	94.0	64.9	38.3	16.4	1.4
315	217.3	186.0	154.8	124.1	93.9	64.8	38.3	16.3	1.4
320	217.1	185.8	154.7	123.9	93.8	64.7	38.2	16.3	1.4
325	216.9	185.6	154.5	123.8	93.6	64.6	38.1	16.2	1.3
330	216.7	185.4	154.4	123.6	93.5	64.5	38.0	16.1	1.3
335	216.5	185.3	154.1	123.5	93.3	64.4	37.9	16.1	1.3
340	216.2	185.0	154.0	123.3	93.2	64.2	37.8	16.0	1.3
345	216.0	184.8	153.8	123.1	93.0	64.1	37.7	16.0	1.3

## ***RP Lighting + Fan***

### **Photometric Data Table**

**[Unit:cd] 8538-80-3500K**

<b>350</b>	215.7	184.6	153.5	122.9	92.9	64.0	37.6	16.0	1.3
<b>355</b>	215.5	184.3	153.3	122.7	92.6	63.8	37.5	15.9	1.3
<b>360</b>	215.3	184.1	153.1	122.4	92.5	63.7	37.4	15.8	1.3

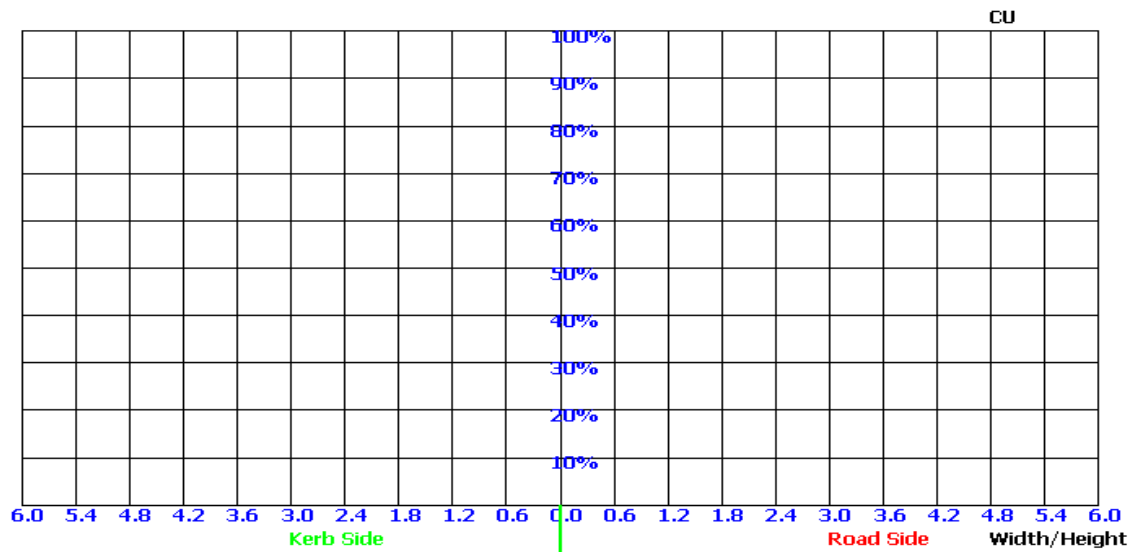
## ***RP Lighting + Fan***

### **Zonal Flux 8538-80-3500K**

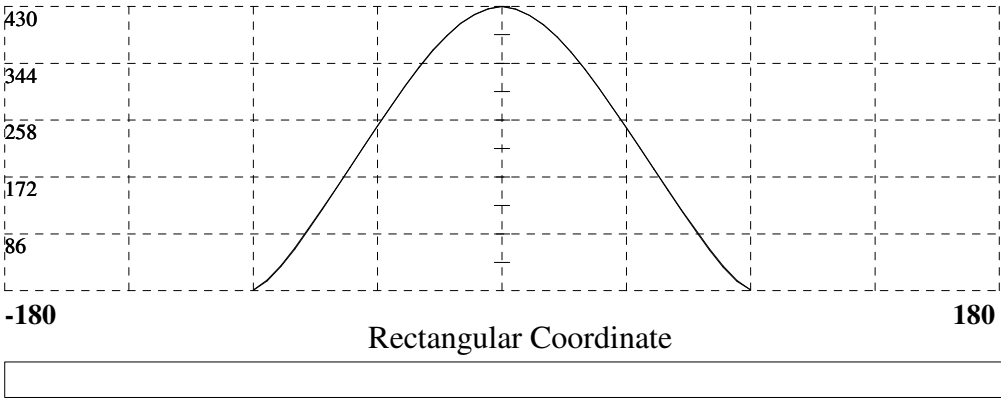
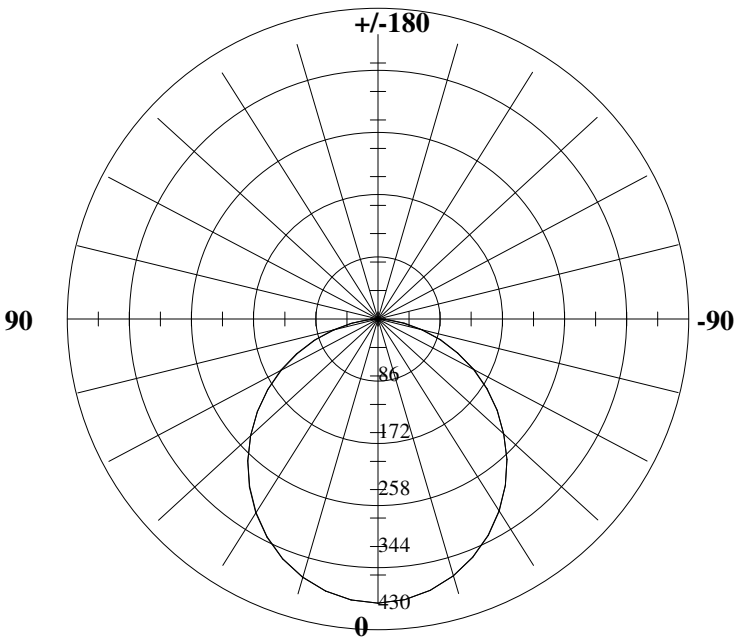
<b>Gamma [°]</b>	<b>I<sub>mean</sub> [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum.Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum.Flux [%]</b>
<b>0</b>	429.72	0.00	0.00	0.00	0.00
<b>5</b>	425.84	10.23	10.23	-1022.80	-1022.80
<b>10</b>	416.91	30.15	40.38	-3014.78	-4037.58
<b>15</b>	403.02	48.64	89.01	-4863.73	-8901.31
<b>20</b>	384.52	64.90	153.92	-6490.42	-15391.73
<b>25</b>	362.14	78.31	232.23	-7831.07	-23222.80
<b>30</b>	336.48	88.41	320.64	-8840.98	-32063.79
<b>35</b>	308.41	94.96	415.60	-9496.33	-41560.13
<b>40</b>	278.61	97.94	513.54	-9793.91	-51354.04
<b>45</b>	247.74	97.46	611.00	-9745.82	-61099.87
<b>50</b>	216.49	93.80	704.80	-9380.49	-70480.38
<b>55</b>	185.04	87.31	792.11	-8730.60	-79210.99
<b>60</b>	153.75	78.31	870.42	-7831.09	-87042.07
<b>65</b>	122.79	67.23	937.65	-6722.82	-93764.87
<b>70</b>	92.47	54.51	992.15	-5450.61	-99215.49
<b>75</b>	63.37	40.74	1032.89	-4073.53	-103289.03
<b>80</b>	36.84	26.81	1059.71	-2681.49	-105970.51
<b>85</b>	15.16	14.13	1073.84	-1412.96	-107383.48
<b>90</b>	1.07	4.44	1078.28	-444.38	-107827.88

## *RP Lighting + Fan*

### *Coefficient Utilization Curve 8538-80-3500K*

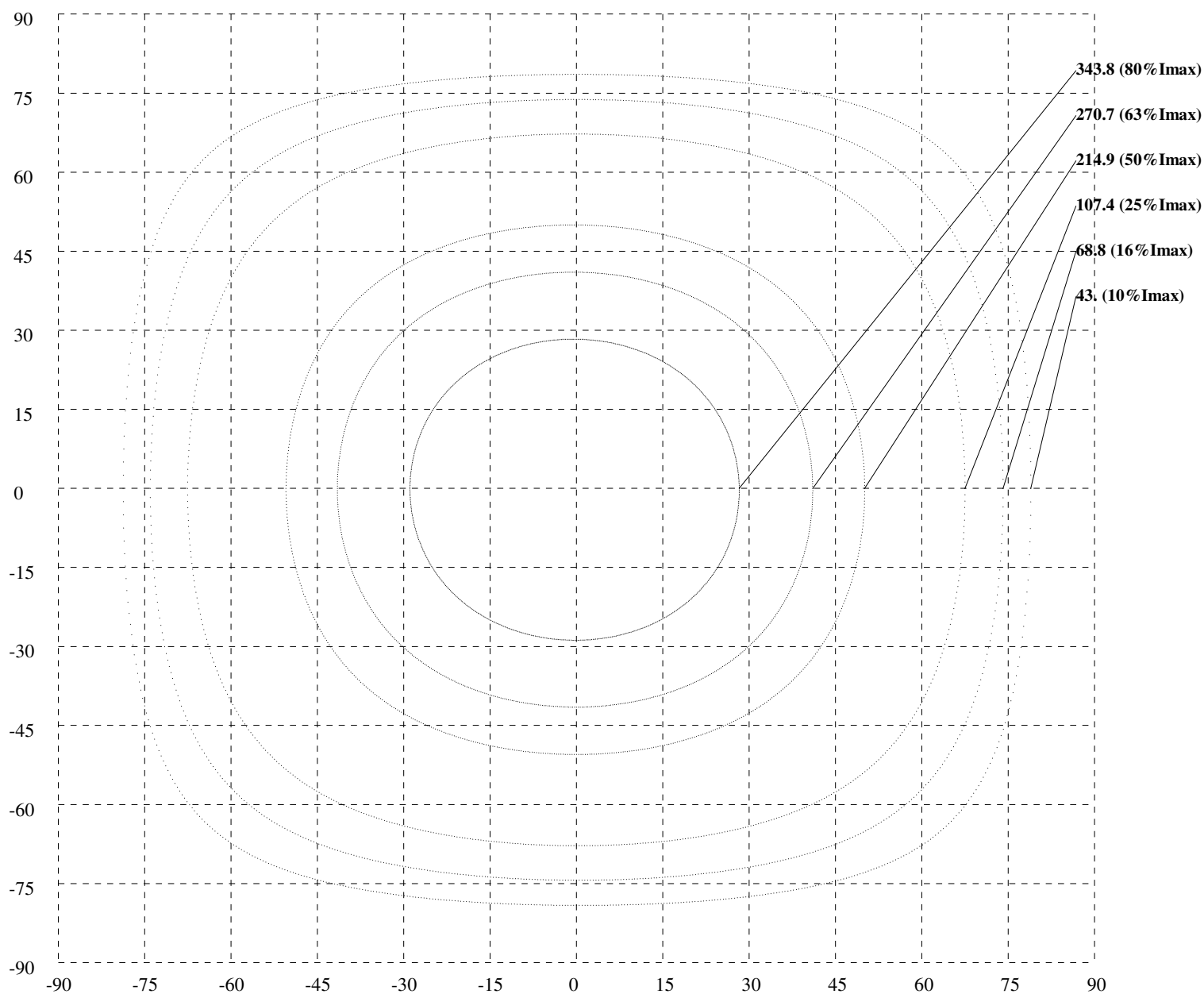


Light Distribution Curve[Unit: cd]



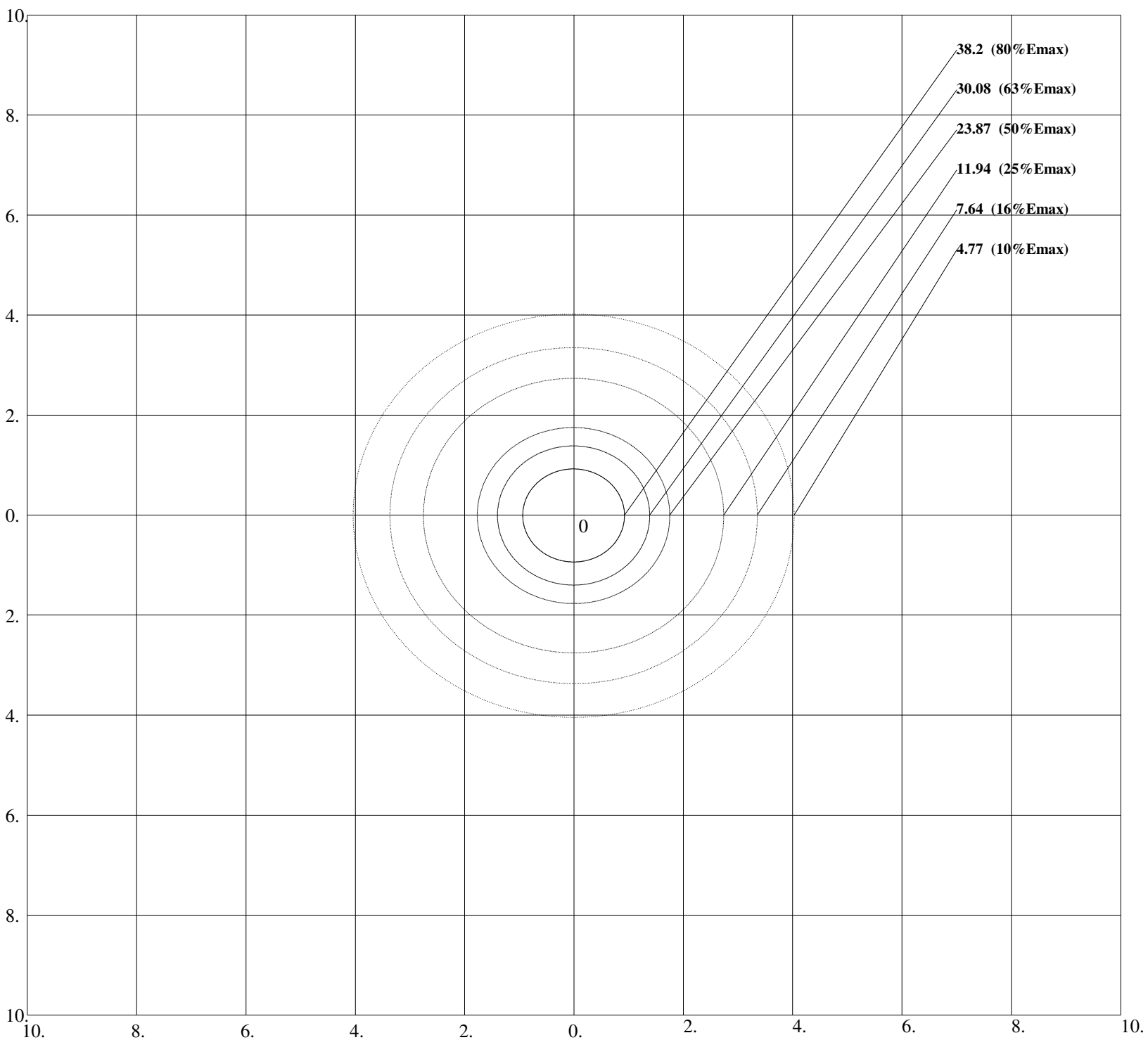
## *RP Lighting + Fan*

**ISO-Candela V-H [Unit :cd] 8538-80-3500K**



RP Lighting + Fan

Iso-Lux [Unit :lx] 8538-80-3500K



Units: lx  
Height: 3 m  
Max Illuminance : 47.75lx

## *RP Lighting + Fan*

### *Lux-Distance Curve*

