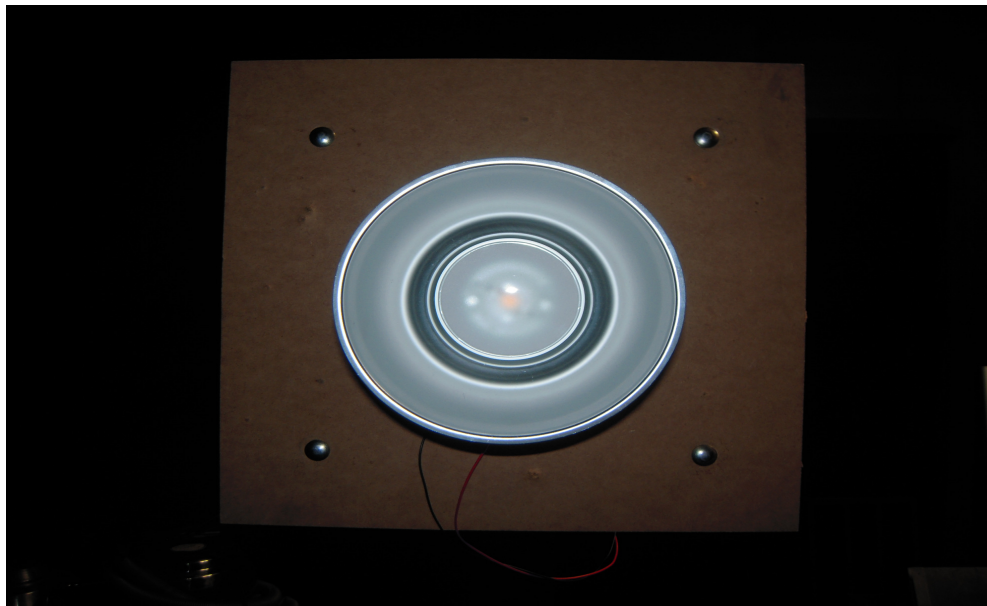


## Test Report of Luminaire

**Report No.:**

Luminaire Type	8122H-14-30		
Lamp Type	LED_CREE CXA1512-K4		
Client	ISM	EUT NO.	CCT: 3062K, CRI:83.9Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.128
Power:	15.3	Power Factor	0.997
Frequency:	60Hz	Tc	3000K
<b>Photometric Parameters</b>			
Luminaire Flux	1156.07 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	805.557cd	Central Intensity	805.557cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	-0.01%		
Downward Flux Ratio	-115606.5%		
50%Imax Beam Width	C0_180[ 37.6 , -35.0] C90_270[ 36.8 , -35.8]		
Remark			

**Luminaire Figure**



# RP Lighting + Fans

## Photometric Data Table [Unit:cd] 8122H-14-30

C\G	0	5	10	15	20	25	30	35	40	45
0	805.6	793.4	778.7	761.7	772.7	794.4	799.1	520.7	295.7	178.6
5	805.6	794.1	779.4	762.4	773.7	794.8	799.1	525.1	298.1	179.9
10	805.6	794.8	780.4	763.4	773.7	794.4	799.4	529.7	300.7	180.9
15	805.6	795.4	781.1	763.7	773.4	794.4	800.1	532.7	302.4	181.9
20	805.6	796.1	781.7	764.4	773.7	795.1	801.4	534.7	304.4	182.6
25	805.6	796.8	782.4	765.1	774.4	795.4	802.4	536.7	306.1	183.9
30	805.6	797.8	783.1	765.7	775.1	796.8	803.8	539.1	307.4	184.3
35	805.6	798.1	783.4	766.1	775.4	796.8	804.4	539.7	307.8	184.3
40	805.6	798.4	783.7	766.4	775.1	796.4	804.4	539.1	306.8	183.9
45	805.6	799.1	784.1	766.7	775.1	795.4	804.1	537.1	304.8	182.9
50	805.6	799.4	784.1	766.4	774.4	795.1	802.8	533.7	302.8	181.9
55	805.6	800.1	784.1	766.7	774.1	794.4	801.4	530.1	299.4	180.2
60	805.6	800.4	784.1	766.7	774.1	794.4	799.4	525.4	295.7	178.9
65	805.6	800.8	784.4	766.7	774.7	794.1	796.1	519.0	291.4	176.9
70	805.6	801.4	784.4	767.1	775.1	794.1	791.4	511.7	286.4	175.2
75	805.6	801.8	784.7	767.1	775.4	793.1	786.4	504.0	282.1	173.2
80	805.6	802.1	784.7	767.7	775.4	791.4	780.7	495.7	277.0	165.3
85	805.6	802.1	784.7	768.1	775.7	789.1	773.7	486.7	272.4	165.5
90	805.6	802.4	784.4	768.1	775.4	786.7	767.1	478.0	268.4	164.0
95	805.6	802.8	784.1	768.1	775.7	784.4	760.7	470.6	265.0	162.6
100	805.6	803.1	783.4	767.4	775.1	782.1	755.4	464.0	262.4	161.5
105	805.6	803.4	783.1	767.1	774.1	780.4	749.4	456.6	259.7	160.4
110	805.6	803.4	783.1	766.4	772.7	778.4	745.0	450.3	257.4	159.2
115	805.6	803.8	782.4	766.4	772.4	776.7	741.7	444.3	255.0	158.0
120	805.6	803.8	781.7	766.1	772.4	776.1	739.4	438.9	253.0	156.5
125	805.6	803.4	781.7	766.4	772.7	776.4	737.7	434.6	251.3	155.2
130	805.6	803.4	781.4	766.7	773.4	777.1	737.7	432.3	250.3	154.1
135	805.6	803.4	781.1	766.7	773.7	778.4	738.7	430.3	250.0	153.3
140	805.6	803.1	780.7	766.7	774.1	778.1	738.0	427.9	250.0	152.8
145	805.6	802.1	780.4	766.7	773.7	777.4	735.7	424.6	250.0	152.4
150	805.6	801.4	779.7	766.1	773.4	776.1	732.3	419.9	250.3	152.2
155	805.6	800.4	779.4	766.1	772.7	774.4	728.7	414.9	250.3	152.1
160	805.6	800.1	779.1	765.7	772.4	772.7	725.0	409.9	250.3	152.0
165	805.6	799.4	779.1	765.7	772.4	771.4	722.3	406.6	250.0	151.8
170	805.6	798.4	779.1	765.7	772.4	771.4	721.7	403.9	250.7	151.7
175	805.6	798.1	779.1	766.1	772.4	772.4	722.7	402.6	251.0	151.7
180	805.6	797.8	778.7	766.7	774.1	774.1	724.3	401.9	251.3	151.9
185	805.6	797.1	778.1	766.7	775.1	775.7	725.7	401.6	252.0	152.1
190	805.6	796.4	777.7	767.4	775.4	777.7	727.0	400.9	253.0	152.3
195	805.6	796.1	777.7	767.7	776.4	779.1	728.0	400.9	253.7	152.6
200	805.6	795.4	777.4	767.4	777.4	780.7	729.0	400.6	254.7	153.0
205	805.6	794.8	777.1	767.4	777.7	781.7	729.7	400.9	255.4	153.5
210	805.6	794.4	776.4	767.1	777.7	782.1	730.3	401.6	256.0	154.0
215	805.6	794.1	776.1	766.7	777.4	782.1	731.0	402.2	256.7	154.6
220	805.6	793.8	775.4	765.7	777.4	783.1	732.0	403.2	257.7	155.1
225	805.6	793.1	775.1	765.4	777.4	783.7	734.7	403.9	258.4	155.8
230	805.6	792.4	774.7	764.4	777.1	785.4	738.0	406.6	259.4	156.6
235	805.6	791.8	774.1	764.4	777.4	787.4	742.0	409.2	260.7	157.5

## RP Lighting + Fans

### Photometric Data Table [Unit:cd] 8122H-14-30

240	805.6	791.1	773.7	764.1	777.7	789.4	746.4	411.6	262.0	158.3
245	805.6	790.4	773.7	763.4	778.1	791.4	751.0	415.9	263.7	159.8
250	805.6	789.8	773.4	763.4	778.4	792.4	754.4	418.6	264.7	160.8
255	805.6	789.4	773.1	763.4	778.7	793.1	756.7	421.6	266.0	161.7
260	805.6	789.1	772.7	762.7	778.7	792.8	758.7	423.6	266.4	162.6
265	805.6	788.8	772.4	762.7	778.7	793.1	761.4	426.3	267.7	163.5
270	805.6	788.1	772.4	762.0	778.7	793.8	764.1	430.3	268.4	164.5
275	805.6	788.1	772.4	762.0	778.7	794.4	766.7	434.3	269.4	165.4
280	805.6	787.8	772.7	761.7	778.1	795.1	769.1	438.3	270.4	166.3
285	805.6	787.4	772.4	762.0	778.1	795.1	770.7	442.3	270.7	167.0
290	805.6	787.4	772.4	762.4	778.1	795.1	772.1	446.3	271.4	167.6
295	805.6	787.4	772.7	762.7	778.1	795.1	773.1	450.3	271.7	167.9
300	805.6	787.4	772.4	763.1	778.4	794.8	775.1	454.6	271.7	167.9
305	805.6	787.4	772.7	763.4	777.7	794.4	777.1	459.0	272.0	167.6
310	805.6	787.8	772.7	762.7	776.7	794.1	779.1	463.3	272.0	167.1
315	805.6	787.8	773.1	762.0	775.7	793.4	780.4	467.3	272.0	166.8
320	805.6	787.8	773.4	761.4	774.4	792.4	782.1	471.6	272.4	166.6
325	805.6	788.1	773.4	760.7	773.1	792.1	784.1	476.3	273.7	166.8
330	805.6	788.8	773.7	759.7	772.4	791.8	786.1	481.3	275.7	167.3
335	805.6	789.1	774.7	759.0	771.7	792.4	788.8	487.3	278.7	168.3
340	805.6	789.4	775.1	759.0	771.1	793.1	791.4	494.0	282.1	169.6
345	805.6	790.4	775.7	758.7	770.7	793.8	793.8	500.4	285.1	170.8
350	805.6	791.1	776.7	759.4	771.1	794.1	796.4	506.4	288.1	171.9
355	805.6	791.8	777.4	760.4	772.1	794.1	798.1	513.0	291.7	173.2
360	805.6	793.4	778.7	761.7	772.7	794.4	799.1	520.7	295.7	178.6

C\G	50	55	60	65	70	75	80	85	90
0	93.8	45.5	23.0	13.7	9.1	6.0	3.7	1.8	0.5
5	94.5	46.0	23.1	13.8	9.1	6.0	3.7	1.8	0.5
10	95.2	46.5	23.3	13.8	9.1	6.0	3.7	1.8	0.5
15	95.9	47.0	23.4	13.8	9.1	6.0	3.7	1.8	0.6
20	96.5	47.5	23.6	13.9	9.1	6.0	3.7	1.8	0.5
25	97.1	47.9	23.8	14.0	9.1	6.0	3.7	1.8	0.5
30	97.4	48.3	24.0	14.0	9.2	6.0	3.7	1.8	0.6
35	97.5	48.6	24.2	14.1	9.2	6.0	3.7	1.8	0.5
40	97.4	48.7	24.3	14.2	9.2	6.1	3.7	1.8	0.5
45	96.9	48.7	24.4	14.3	9.3	6.1	3.7	1.8	0.5
50	96.4	48.6	24.4	14.3	9.3	6.1	3.7	1.8	0.6
55	95.6	48.4	24.5	14.4	9.3	6.1	3.7	1.8	0.5
60	94.8	48.1	24.6	14.5	9.4	6.1	3.7	1.8	0.6
65	93.8	47.8	24.6	14.6	9.5	6.2	3.7	1.8	0.5
70	92.9	47.5	24.7	14.8	9.6	6.2	3.7	1.7	0.5
75	91.9	47.2	24.9	14.9	9.6	6.3	3.7	1.7	0.5
80	91.0	47.0	25.1	15.1	9.8	6.3	3.8	1.7	0.5
85	90.1	46.8	25.3	15.3	9.9	6.4	3.8	1.8	0.5
90	89.4	46.7	25.6	15.6	10.1	6.5	3.8	1.7	0.5
95	88.8	46.7	25.9	15.9	10.3	6.6	3.9	1.7	0.5
100	88.2	46.7	26.2	16.2	10.4	6.7	3.9	1.7	0.5

## RP Lighting + Fans

### Photometric Data Table [Unit:cd] 8122H-14-30

105	87.5	46.6	26.4	16.4	10.6	6.7	3.9	1.7	0.5
110	86.9	46.5	26.5	16.5	10.6	6.8	3.9	1.7	0.5
115	86.1	46.2	26.5	16.5	10.7	6.8	3.9	1.7	0.5
120	85.2	45.8	26.3	16.4	10.6	6.7	3.9	1.7	0.5
125	84.3	45.2	26.0	16.2	10.5	6.6	3.9	1.7	0.5
130	83.5	44.7	25.6	16.0	10.3	6.6	3.8	1.6	0.5
135	82.7	44.1	25.2	15.7	10.1	6.4	3.7	1.6	0.5
140	82.1	43.7	24.8	15.4	9.9	6.3	3.7	1.6	0.5
145	81.6	43.2	24.3	15.0	9.7	6.2	3.6	1.5	0.5
150	81.2	42.9	24.0	14.7	9.5	6.0	3.6	1.5	0.5
155	80.9	42.5	23.6	14.5	9.3	5.9	3.5	1.5	0.5
160	80.6	42.2	23.3	14.2	9.2	5.8	3.4	1.5	0.5
165	80.3	41.9	23.1	14.0	9.0	5.7	3.4	1.4	0.5
170	80.0	41.7	22.8	13.9	8.9	5.7	3.3	1.4	0.5
175	79.8	41.5	22.7	13.7	8.8	5.6	3.3	1.4	0.5
180	79.6	41.3	22.5	13.6	8.7	5.6	3.3	1.4	0.5
185	79.6	41.2	22.3	13.5	8.6	5.5	3.2	1.3	0.5
190	79.5	41.0	22.2	13.4	8.6	5.5	3.2	1.3	0.5
195	79.6	41.0	22.1	13.3	8.5	5.5	3.2	1.3	0.5
200	79.7	40.9	22.1	13.3	8.5	5.5	3.2	1.3	0.5
205	79.9	40.9	22.0	13.3	8.5	5.4	3.2	1.3	0.5
210	80.1	41.0	22.0	13.2	8.5	5.4	3.2	1.3	0.5
215	80.4	41.0	22.1	13.2	8.5	5.4	3.2	1.3	0.5
220	80.7	41.1	22.1	13.3	8.5	5.5	3.2	1.3	0.5
225	81.0	41.2	22.2	13.3	8.5	5.5	3.2	1.3	0.5
230	81.4	41.4	22.3	13.4	8.5	5.5	3.2	1.4	0.5
235	81.9	41.6	22.4	13.5	8.6	5.5	3.2	1.4	0.5
240	82.5	41.9	22.6	13.6	8.7	5.6	3.2	1.4	0.5
245	83.5	42.4	22.9	13.8	8.8	5.6	3.3	1.4	0.5
250	84.1	42.7	23.1	13.9	8.9	5.7	3.3	1.4	0.5
255	84.8	43.0	23.3	14.1	9.0	5.7	3.4	1.4	0.5
260	85.5	43.4	23.6	14.3	9.2	5.8	3.4	1.5	0.5
265	86.2	43.7	24.0	14.6	9.3	5.9	3.5	1.5	0.5
270	86.9	44.1	24.3	14.8	9.5	6.0	3.5	1.5	0.5
275	87.6	44.5	24.6	15.0	9.7	6.1	3.6	1.6	0.5
280	88.2	44.8	24.9	15.2	9.8	6.2	3.6	1.6	0.5
285	88.8	45.0	25.1	15.4	9.9	6.3	3.7	1.6	0.5
290	89.2	45.1	25.2	15.5	10.0	6.4	3.8	1.6	0.5
295	89.4	45.0	25.1	15.5	10.1	6.4	3.8	1.7	0.5
300	89.4	44.7	25.0	15.5	10.1	6.4	3.8	1.7	0.5
305	89.2	44.3	24.7	15.3	10.0	6.4	3.8	1.7	0.5
310	89.0	43.9	24.3	15.1	9.9	6.4	3.8	1.7	0.5
315	88.7	43.5	23.9	14.9	9.8	6.3	3.8	1.7	0.5
320	88.7	43.2	23.6	14.6	9.6	6.3	3.8	1.7	0.5
325	88.8	43.0	23.3	14.4	9.5	6.2	3.8	1.7	0.5
330	89.2	43.0	23.0	14.2	9.4	6.2	3.7	1.7	0.5
335	89.7	43.2	22.9	14.1	9.3	6.1	3.7	1.7	0.5
340	90.5	43.5	22.8	13.9	9.2	6.1	3.7	1.8	0.6
345	91.2	43.9	22.8	13.8	9.2	6.1	3.7	1.8	0.5

***RP Lighting + Fans***

**Photometric Data Table [Unit:cd] 8122H-14-30**

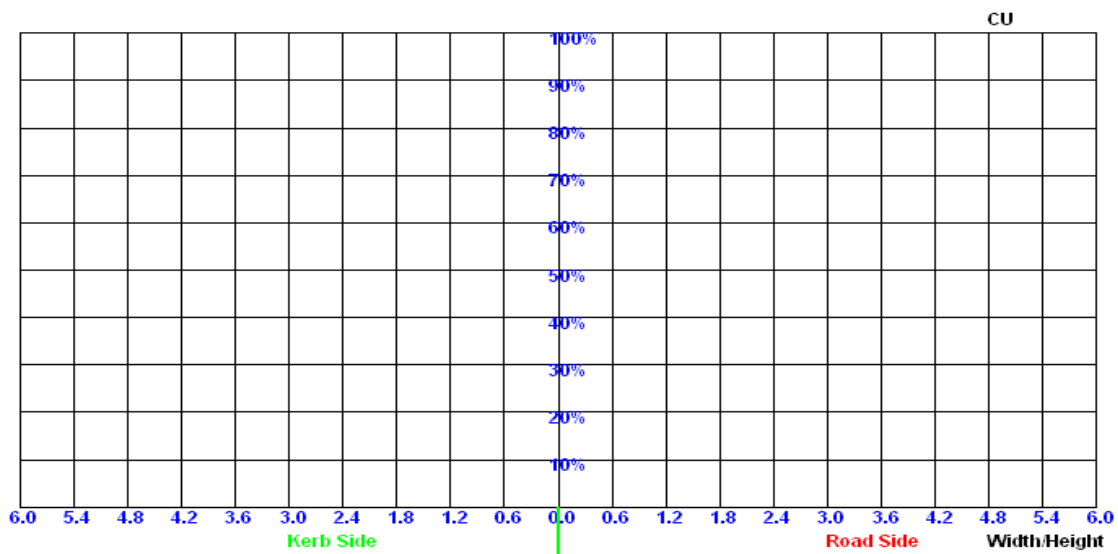
<b>350</b>	92.1	44.4	22.8	13.8	9.1	6.0	3.7	1.7	0.6
<b>355</b>	92.9	44.9	22.9	13.7	9.1	6.0	3.7	1.8	0.5
<b>360</b>	93.8	45.5	23.0	13.7	9.1	6.0	3.7	1.8	0.5

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

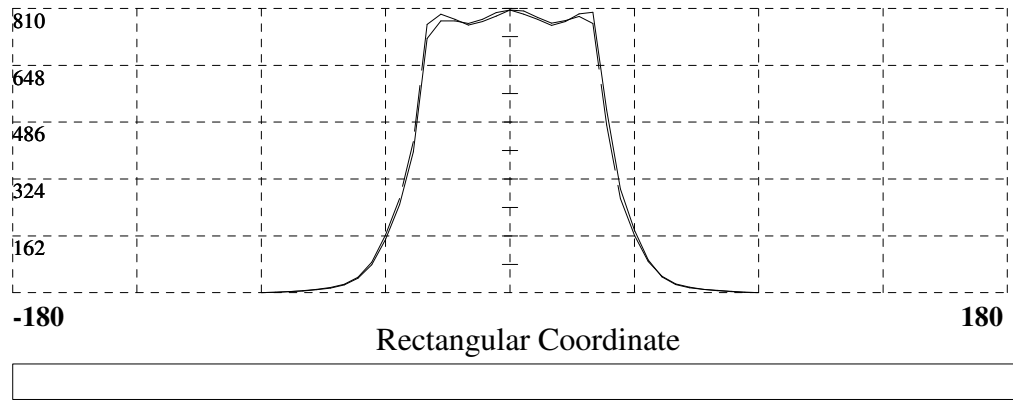
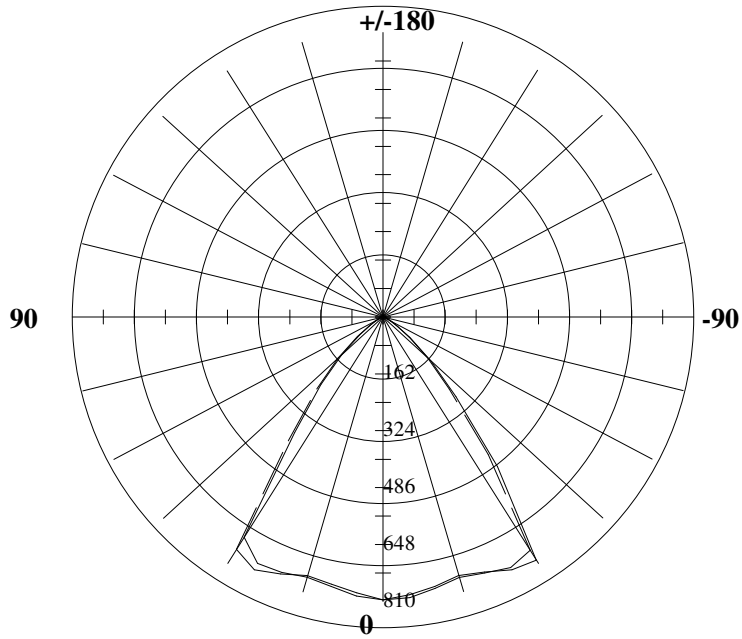
### **Zonal Flux - 8122H-14-30**

<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>	805.56	0.00	0.00	0.00	0.00
<b>5</b>	795.51	19.14	19.14	-1914.03	-1914.03
<b>10</b>	778.34	56.30	75.44	-5630.15	-7544.18
<b>15</b>	764.71	91.53	166.97	-9153.24	-16697.44
<b>20</b>	775.11	126.90	293.88	-12690.31	-29387.75
<b>25</b>	787.56	163.90	457.77	-16389.57	-45777.33
<b>30</b>	763.86	196.33	654.11	-19633.33	-65410.68
<b>35</b>	458.59	180.01	834.12	-18001.32	-83411.99
<b>40</b>	271.29	121.77	955.90	-12177.49	-95589.50
<b>45</b>	164.73	80.73	1036.63	-8073.27	-103662.77
<b>50</b>	87.46	50.96	1087.59	-5095.81	-108758.51
<b>55</b>	44.43	28.68	1116.26	-2867.76	-111626.29
<b>60</b>	23.90	15.79	1132.06	-1579.49	-113205.81
<b>65</b>	14.48	9.33	1141.39	-933.14	-114138.94
<b>70</b>	9.40	6.05	1147.44	-604.74	-114743.65
<b>75</b>	6.06	4.04	1151.48	-404.12	-115147.75
<b>80</b>	3.60	2.58	1154.06	-258.48	-115406.20
<b>85</b>	1.61	1.42	1155.48	-141.52	-115547.69
<b>90</b>	0.54	0.59	1156.06	-58.71	-115606.41

**RP Lighting + Fans**  
**Coefficient Utilization Curve 8122H-14-30**



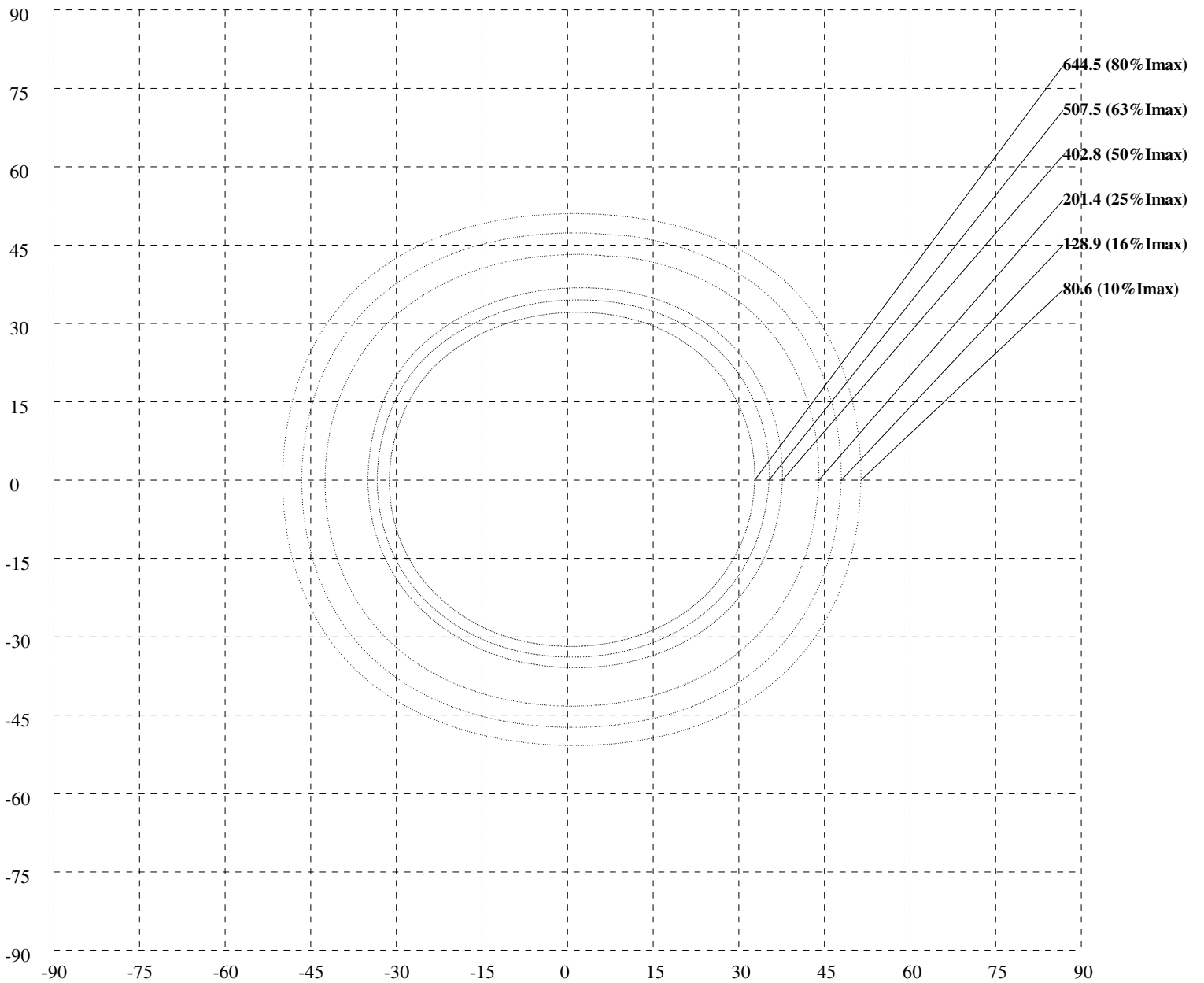
Light Distribution Curve[Unit: cd]





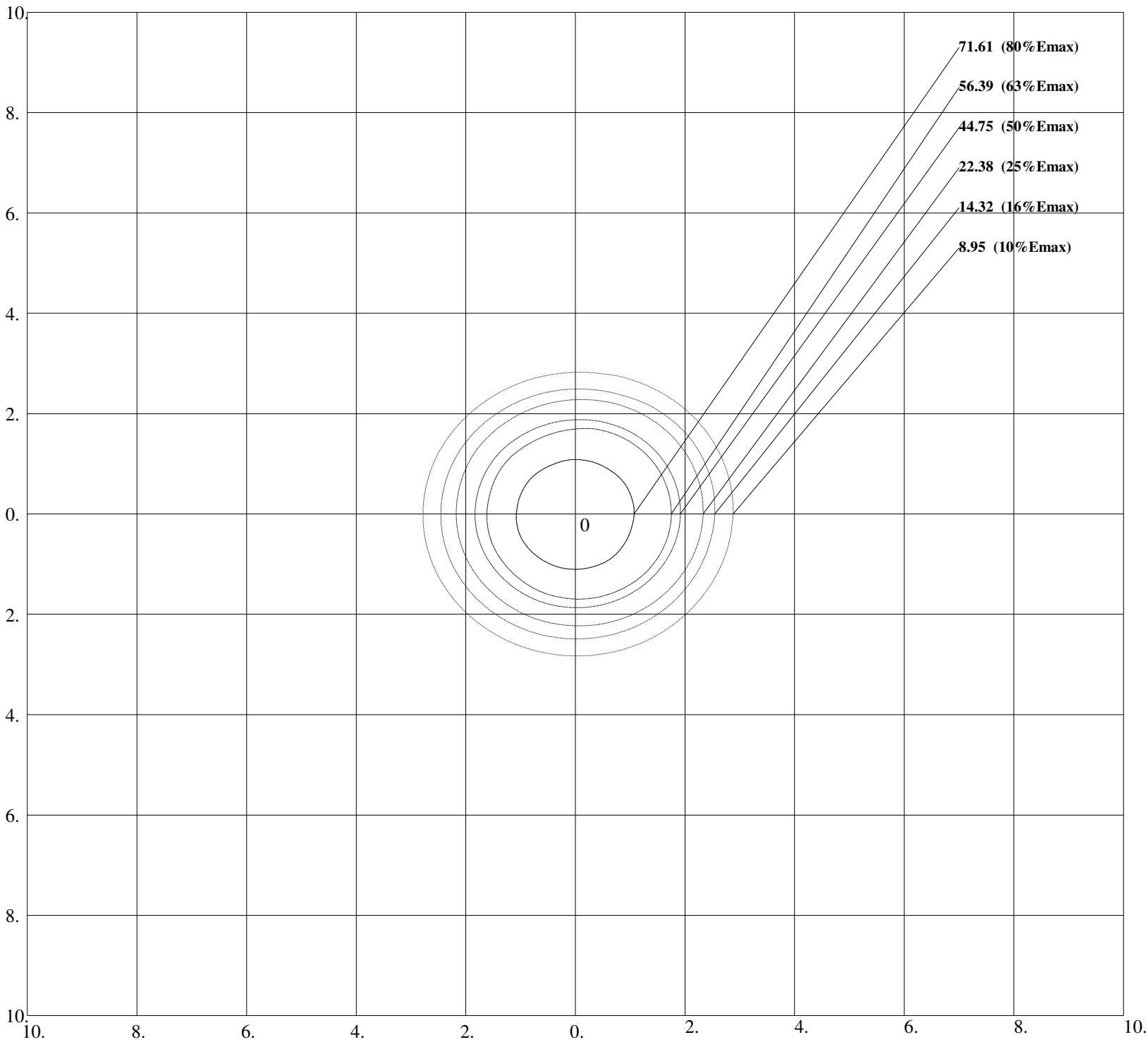
# RP Lighting + Fans

## ISO-Candela V-H [Unit :cd] 8122H-14-30



**RP Lighting + Fans**

**Iso-Lux [Unit :lx] 8122H-14-30**



Units: lx  
Height: 3 m  
Max Illuminance : 89.51lx

# RP Lighting + Fans

## Lux-Distance Curve

