

## Test Report of Luminaire

Report No.:

Luminaire Type	8537-90-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2937K, CRI: 93.7Ra
<b>Luminaire Parameters:</b>			
Voltage	120.1	Current	0.17
Power:	18.5	Power Factor	0.906
Frequency:	60Hz	Tc	3000K
<b>Photometric Parameters</b>			
Luminaire Flux	1325.85 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	465.587cd	Central Intensity	465.587cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-132584.6%		
50%Imax Beam Width	C0_180[ 55.4 , -56.5] C90_270[ 55.8 , -55.7]		
Remark			

### Luminaire Figure



## RP Lighting + Fans

### Photometric Data Table [Unit:cd] 8537-90-3K

C\G	0	5	10	15	20	25	30	35	40	45
0	465.6	463.1	457.6	448.7	436.0	419.5	399.0	374.2	345.1	312.0
5	465.6	463.2	457.7	448.8	436.1	419.5	398.9	374.1	345.1	311.9
10	465.6	463.1	457.7	448.8	436.0	419.5	399.0	374.1	345.0	311.7
15	465.6	463.2	457.8	448.8	436.1	419.6	398.9	374.1	345.0	311.7
20	465.6	463.1	457.8	449.0	436.2	419.6	399.0	374.2	344.9	311.6
25	465.6	463.2	457.9	449.0	436.3	419.8	399.1	374.3	345.0	311.7
30	465.6	463.3	458.0	449.0	436.4	419.9	399.2	374.5	345.0	311.7
35	465.6	463.3	458.1	449.2	436.5	420.0	399.4	374.6	345.2	311.9
40	465.6	463.4	458.2	449.3	436.6	420.1	399.6	374.7	345.4	312.2
45	465.6	463.5	458.2	449.3	436.7	420.3	399.8	374.9	345.6	312.3
50	465.6	463.6	458.3	449.5	437.0	420.5	399.9	375.2	345.8	312.6
55	465.6	463.7	458.4	449.5	437.0	420.6	400.2	375.4	346.1	312.8
60	465.6	463.7	458.5	449.7	437.2	420.8	400.4	375.7	346.3	313.1
65	465.6	463.8	458.6	449.8	437.3	420.9	400.6	375.9	346.6	313.4
70	465.6	463.7	458.8	449.9	437.5	421.2	400.8	376.1	346.9	313.7
75	465.6	463.9	458.8	450.1	437.7	421.3	401.1	376.4	347.2	314.1
80	465.6	463.9	458.9	450.2	437.8	421.6	401.4	376.7	347.6	314.4
85	465.6	464.0	459.0	450.4	438.1	421.9	401.6	377.0	347.9	314.8
90	465.6	464.0	459.1	450.5	438.2	422.1	402.0	377.4	348.4	315.2
95	465.6	464.0	459.3	450.7	438.5	422.3	402.2	377.7	348.8	315.8
100	465.6	464.1	459.3	450.8	438.7	422.6	402.5	378.2	349.3	316.3
105	465.6	464.2	459.3	450.9	438.8	422.8	402.9	378.6	349.7	316.9
110	465.6	464.2	459.5	451.1	439.0	423.0	403.1	378.9	350.2	317.5
115	465.6	464.2	459.5	451.2	439.2	423.3	403.4	379.2	350.7	318.0
120	465.6	464.2	459.6	451.3	439.3	423.5	403.7	379.6	351.1	318.5
125	465.6	464.3	459.7	451.3	439.5	423.8	403.9	380.0	351.6	319.0
130	465.6	464.4	459.4	451.2	439.6	423.8	404.2	380.0	351.9	319.5
135	465.6	463.9	459.5	451.3	439.6	424.0	404.2	380.4	352.3	319.8
140	465.6	463.9	459.6	451.3	439.8	424.1	404.4	380.5	352.5	320.2
145	465.6	463.9	459.5	451.5	439.8	424.3	404.6	380.7	352.7	320.4
150	465.6	464.0	459.6	451.4	439.9	424.4	404.5	380.8	352.9	320.6
155	465.6	464.0	459.6	451.5	439.9	424.3	404.7	380.8	352.8	320.7
160	465.6	464.0	459.6	451.5	439.9	424.4	404.6	380.9	352.9	320.7
165	465.6	464.2	459.7	451.5	439.9	424.2	404.6	380.7	352.8	320.6
170	465.6	464.1	459.6	451.4	439.8	424.3	404.5	380.6	352.7	320.4
175	465.6	464.2	459.7	451.4	439.8	424.0	404.3	380.5	352.5	320.2
180	465.6	464.2	459.7	451.3	439.7	423.9	404.2	380.3	352.3	319.9
185	465.6	464.3	459.8	451.4	439.6	423.8	403.9	380.1	351.9	319.6
190	465.6	464.2	459.7	451.3	439.5	423.5	403.8	379.7	351.7	319.3
195	465.6	464.2	459.7	451.3	439.3	423.4	403.5	379.5	351.3	318.9
200	465.6	464.2	459.5	451.2	439.3	423.1	403.3	379.3	351.0	318.6
205	465.6	464.1	459.6	451.1	439.0	423.0	403.1	378.9	350.6	318.1
210	465.6	464.2	459.4	451.1	438.8	422.7	402.8	378.6	350.2	317.8
215	465.6	464.1	459.4	450.9	438.7	422.4	402.5	378.3	350.0	317.4
220	465.6	464.1	459.4	450.8	438.4	422.3	402.2	378.0	349.6	317.1
225	465.6	464.1	459.2	450.6	438.3	422.1	401.9	377.7	349.3	316.7
230	465.6	464.0	459.1	450.5	438.0	421.7	401.6	377.3	349.0	316.3
235	465.6	463.9	459.1	450.4	437.9	421.6	401.3	377.0	348.6	316.0

## RP Lighting + Fans

### Photometric Data Table [Unit:cd] 8537-90-3K

240	465.6	464.0	458.9	450.3	437.7	421.3	401.1	376.7	348.2	315.6
245	465.6	463.9	458.9	450.2	437.6	421.1	400.8	376.4	347.8	315.2
250	465.6	463.8	458.9	450.0	437.4	420.9	400.6	376.1	347.6	314.8
255	465.6	463.9	458.7	449.9	437.3	420.7	400.4	375.9	347.2	314.5
260	465.6	463.8	458.7	449.7	437.1	420.7	400.2	375.6	347.0	314.1
265	465.6	463.8	458.6	449.7	437.1	420.4	400.1	375.4	346.7	313.9
270	465.6	463.7	458.6	449.6	436.9	420.4	399.8	375.3	346.5	313.6
275	465.6	463.8	458.5	449.5	436.8	420.2	399.8	375.1	346.4	313.5
280	465.6	463.6	458.4	449.5	436.8	420.1	399.7	375.0	346.3	313.3
285	465.6	463.6	458.5	449.4	436.6	420.1	399.6	374.9	346.2	313.3
290	465.6	463.6	458.3	449.3	436.6	419.9	399.6	374.9	346.1	313.3
295	465.6	463.6	458.4	449.2	436.5	420.0	399.5	374.9	346.1	313.3
300	465.6	463.6	458.4	449.3	436.5	419.9	399.4	374.8	346.1	313.3
305	465.6	463.5	458.3	449.1	436.4	419.9	399.5	374.9	346.1	313.3
310	465.6	463.6	458.3	449.2	436.3	419.8	399.4	374.8	346.0	313.3
315	465.6	463.5	458.2	449.1	436.4	419.7	399.4	374.8	346.0	313.3
320	465.6	463.5	458.3	449.1	436.2	419.8	399.4	374.7	345.9	313.2
325	465.6	463.5	458.1	449.0	436.2	419.6	399.4	374.7	345.9	313.2
330	465.6	463.4	458.1	449.0	436.2	419.7	399.2	374.6	345.8	313.0
335	465.6	463.4	458.0	449.1	436.2	419.6	399.2	374.6	345.7	313.0
340	465.6	463.3	458.1	449.0	436.1	419.6	399.2	374.5	345.7	312.8
345	465.6	463.3	458.0	449.0	436.1	419.6	399.1	374.4	345.5	312.7
350	465.6	463.3	458.1	449.0	436.2	419.5	399.0	374.3	345.5	312.4
355	465.6	463.4	458.0	449.0	436.1	419.5	399.0	374.3	345.3	312.3
360	465.6	463.1	457.6	448.7	436.0	419.5	399.0	374.2	345.1	312.0

C\G	50	55	60	65	70	75	80	85	90
0	275.3	236.4	196.0	155.6	116.0	78.4	44.2	14.4	0.5
5	275.1	236.2	195.9	155.3	115.8	78.2	44.1	14.4	0.5
10	275.0	236.0	195.6	155.1	115.6	78.2	44.1	14.4	0.4
15	274.8	235.8	195.5	154.9	115.5	78.1	44.0	14.3	0.4
20	274.8	235.7	195.3	154.8	115.4	78.0	44.0	14.4	0.5
25	274.7	235.6	195.3	154.8	115.4	78.0	44.0	14.4	0.5
30	274.8	235.7	195.3	154.8	115.4	78.1	44.1	14.5	0.4
35	274.9	235.8	195.4	154.9	115.6	78.2	44.2	14.5	0.5
40	275.1	236.0	195.6	155.1	115.7	78.4	44.3	14.6	0.4
45	275.4	236.2	195.8	155.4	116.0	78.6	44.5	14.7	0.5
50	275.6	236.4	196.1	155.6	116.2	78.8	44.7	14.9	0.4
55	275.9	236.7	196.3	155.9	116.4	79.0	44.9	15.0	0.5
60	276.1	237.0	196.7	156.1	116.7	79.3	45.1	15.1	0.4
65	276.5	237.3	197.0	156.5	117.0	79.5	45.3	15.3	0.5
70	276.9	237.6	197.3	156.8	117.3	79.8	45.6	15.5	0.5
75	277.2	238.1	197.7	157.1	117.7	80.1	45.8	15.7	0.4
80	277.7	238.6	198.1	157.7	118.1	80.5	46.1	15.9	0.4
85	278.0	239.0	198.7	158.1	118.6	80.9	46.5	16.1	0.5
90	278.6	239.6	199.3	158.7	119.1	81.4	46.8	16.4	0.5
95	279.2	240.2	199.9	159.3	119.7	81.9	47.2	16.7	0.5
100	279.9	240.8	200.6	160.0	120.3	82.4	47.6	16.9	0.4

## RP Lighting + Fans

### Photometric Data Table [Unit:cd] 8537-90-3K

105	280.5	241.6	201.3	160.7	120.9	82.9	48.0	17.2	0.5
110	281.2	242.2	202.1	161.4	121.5	83.5	48.4	17.5	0.5
115	281.8	243.0	202.7	162.1	122.2	84.0	48.8	17.8	0.4
120	282.4	243.6	203.4	162.7	122.7	84.4	49.2	18.0	0.5
125	282.9	244.1	204.0	163.3	123.2	84.9	49.5	18.3	0.5
130	283.4	244.7	204.5	163.7	123.7	85.3	49.9	18.5	0.5
135	283.9	245.1	204.9	164.2	124.0	85.6	50.1	18.7	0.4
140	284.1	245.5	205.2	164.5	124.4	85.9	50.4	18.9	0.5
145	284.4	245.7	205.5	164.7	124.6	86.1	50.6	19.1	0.5
150	284.6	246.0	205.7	165.0	124.8	86.3	50.7	19.2	0.5
155	284.7	246.0	205.8	165.1	124.9	86.4	50.8	19.3	0.5
160	284.7	246.0	205.8	165.1	124.9	86.4	50.9	19.4	0.5
165	284.6	246.0	205.8	165.0	124.9	86.4	50.9	19.5	0.5
170	284.5	245.8	205.5	164.9	124.8	86.3	50.9	19.5	0.5
175	284.2	245.6	205.3	164.6	124.6	86.2	50.7	19.5	0.5
180	283.9	245.1	205.0	164.3	124.3	86.0	50.6	19.4	0.5
185	283.5	244.8	204.6	163.9	124.1	85.7	50.5	19.4	0.5
190	283.2	244.4	204.2	163.6	123.7	85.5	50.3	19.3	0.5
195	282.7	244.0	203.7	163.2	123.4	85.2	50.1	19.2	0.5
200	282.4	243.6	203.4	162.8	123.0	84.9	49.9	19.1	0.5
205	282.1	243.3	203.1	162.5	122.7	84.6	49.7	19.1	0.5
210	281.6	242.8	202.5	162.2	122.4	84.3	49.5	19.0	0.5
215	281.3	242.4	202.2	162.0	122.1	84.1	49.4	18.9	0.5
220	280.9	242.1	201.9	161.4	121.9	83.7	49.0	18.7	0.5
225	280.5	241.7	201.6	161.1	121.7	83.5	48.8	18.5	0.5
230	280.1	241.4	201.2	160.7	121.1	83.3	48.6	18.3	0.5
235	279.7	240.9	200.8	160.4	120.8	83.0	48.4	18.2	0.5
240	279.3	240.5	200.4	160.0	120.4	82.7	48.2	18.0	0.5
245	278.9	240.1	200.0	159.6	120.1	82.5	48.0	17.8	0.5
250	278.5	239.7	199.6	159.3	119.7	82.2	47.7	17.6	0.5
255	278.1	239.3	199.2	158.9	119.4	81.9	47.5	17.4	0.5
260	277.7	238.9	198.8	158.6	119.1	81.7	47.3	17.3	0.5
265	277.4	238.6	198.6	158.3	118.9	81.5	47.1	17.1	0.5
270	277.2	238.5	198.4	158.2	118.7	81.3	47.0	16.9	0.5
275	277.0	238.3	198.3	158.0	118.6	81.2	46.8	16.7	0.5
280	277.0	238.2	198.2	158.0	118.5	81.1	46.7	16.6	0.4
285	276.9	238.3	198.2	157.9	118.4	80.9	46.5	16.4	0.5
290	276.9	238.3	198.2	157.9	118.4	80.7	46.4	16.3	0.5
295	277.0	238.3	198.2	157.9	118.3	80.6	46.3	16.1	0.5
300	277.0	238.3	198.2	157.8	118.2	80.5	46.1	16.0	0.4
305	277.0	238.3	198.1	157.7	118.1	80.3	45.9	15.8	0.5
310	276.9	238.3	198.1	157.6	117.9	80.1	45.7	15.7	0.5
315	277.0	238.2	198.0	157.5	117.8	80.0	45.5	15.5	0.5
320	276.9	238.1	197.8	157.2	117.6	79.8	45.4	15.3	0.5
325	276.8	238.0	197.6	157.1	117.4	79.6	45.2	15.2	0.5
330	276.7	237.8	197.5	156.9	117.2	79.4	45.0	15.0	0.4
335	276.5	237.7	197.3	156.7	117.0	79.2	44.8	14.9	0.5
340	276.4	237.4	197.1	156.5	116.8	79.1	44.7	14.8	0.4
345	276.1	237.2	196.9	156.3	116.6	78.9	44.5	14.7	0.5

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

### **Photometric Data Table [Unit:cd] 8537-90-3K**

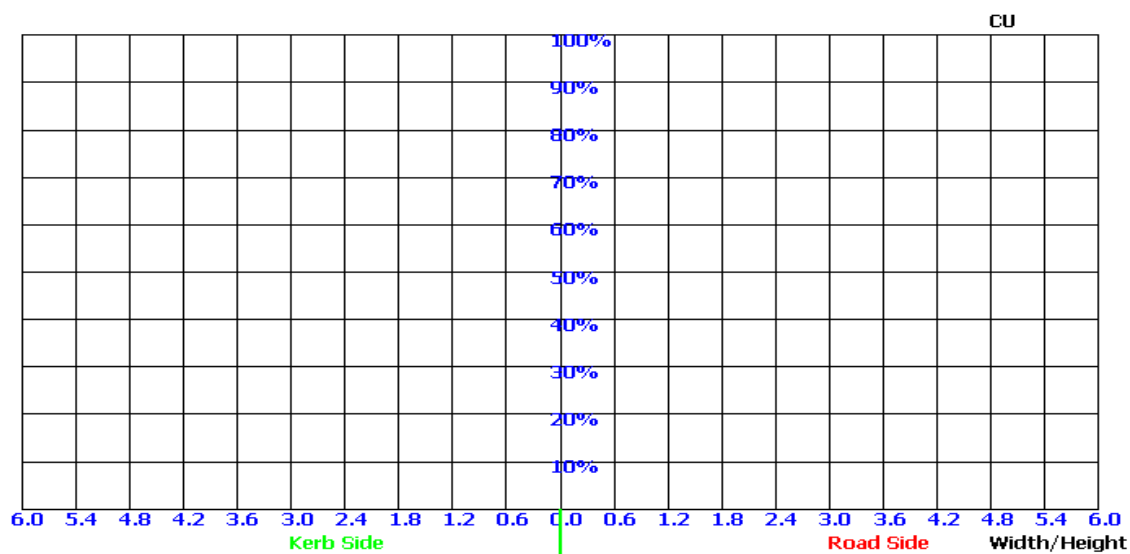
<b>350</b>	275.9	237.0	196.6	156.1	116.5	78.7	44.4	14.6	0.5
<b>355</b>	275.7	236.7	196.4	155.9	116.2	78.6	44.3	14.5	0.5
<b>360</b>	275.3	236.4	196.0	155.6	116.0	78.4	44.2	14.4	0.5

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

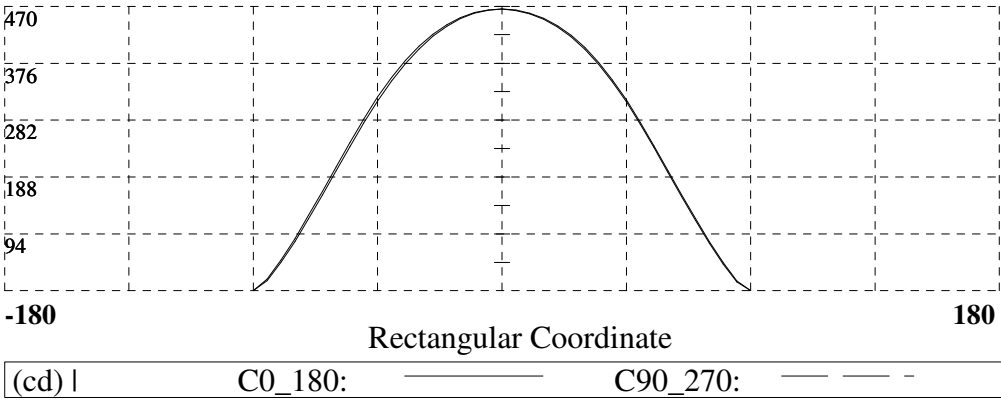
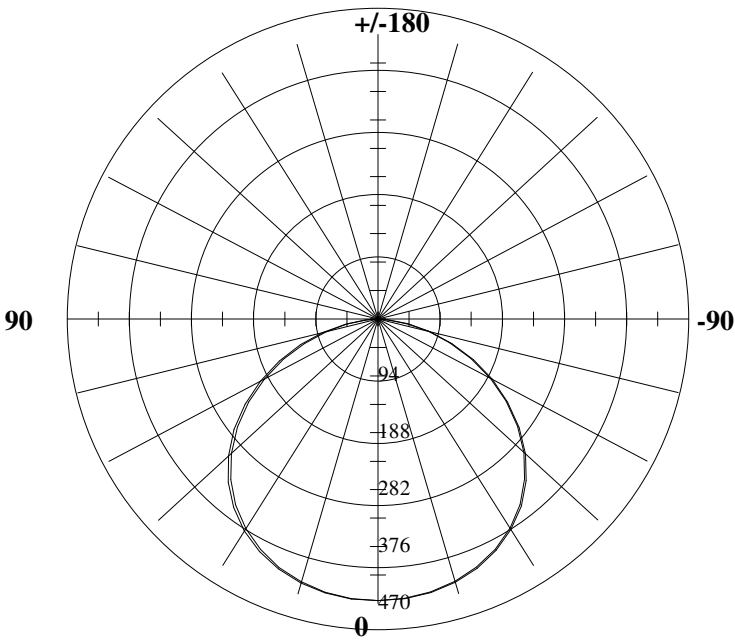
### **Zonal Flux8537-90-3K**

<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>	465.59	0.00	0.00	0.00	0.00
<b>5</b>	463.79	11.11	11.11	-1111.04	-1111.04
<b>10</b>	458.81	33.00	44.11	-3300.42	-4411.46
<b>15</b>	450.10	53.92	98.03	-5391.59	-9803.04
<b>20</b>	437.75	73.17	171.20	-7317.15	-17120.18
<b>25</b>	421.50	90.12	261.32	-9011.92	-26132.10
<b>30</b>	401.28	104.12	365.44	-10412.36	-36544.46
<b>35</b>	376.86	114.59	480.03	-11458.63	-48003.09
<b>40</b>	348.18	120.97	601.00	-12096.68	-60099.77
<b>45</b>	315.38	122.86	723.86	-12286.41	-72386.16
<b>50</b>	278.97	120.10	843.96	-12009.84	-84396.02
<b>55</b>	240.10	112.86	956.82	-11286.45	-95682.47
<b>60</b>	199.88	101.70	1058.53	-10170.17	-105852.65
<b>65</b>	159.35	87.33	1145.86	-8733.07	-114585.74
<b>70</b>	119.68	70.65	1216.51	-7065.17	-121650.99
<b>75</b>	81.85	52.68	1269.19	-5267.52	-126918.49
<b>80</b>	47.20	34.53	1303.72	-3453.04	-130371.52
<b>85</b>	16.82	17.40	1321.11	-1739.78	-132111.34
<b>90</b>	0.46	4.73	1325.85	-473.30	-132584.63

***RP Lighting + Fans***  
***Coefficient Utilization Curve 8537-90-3K***



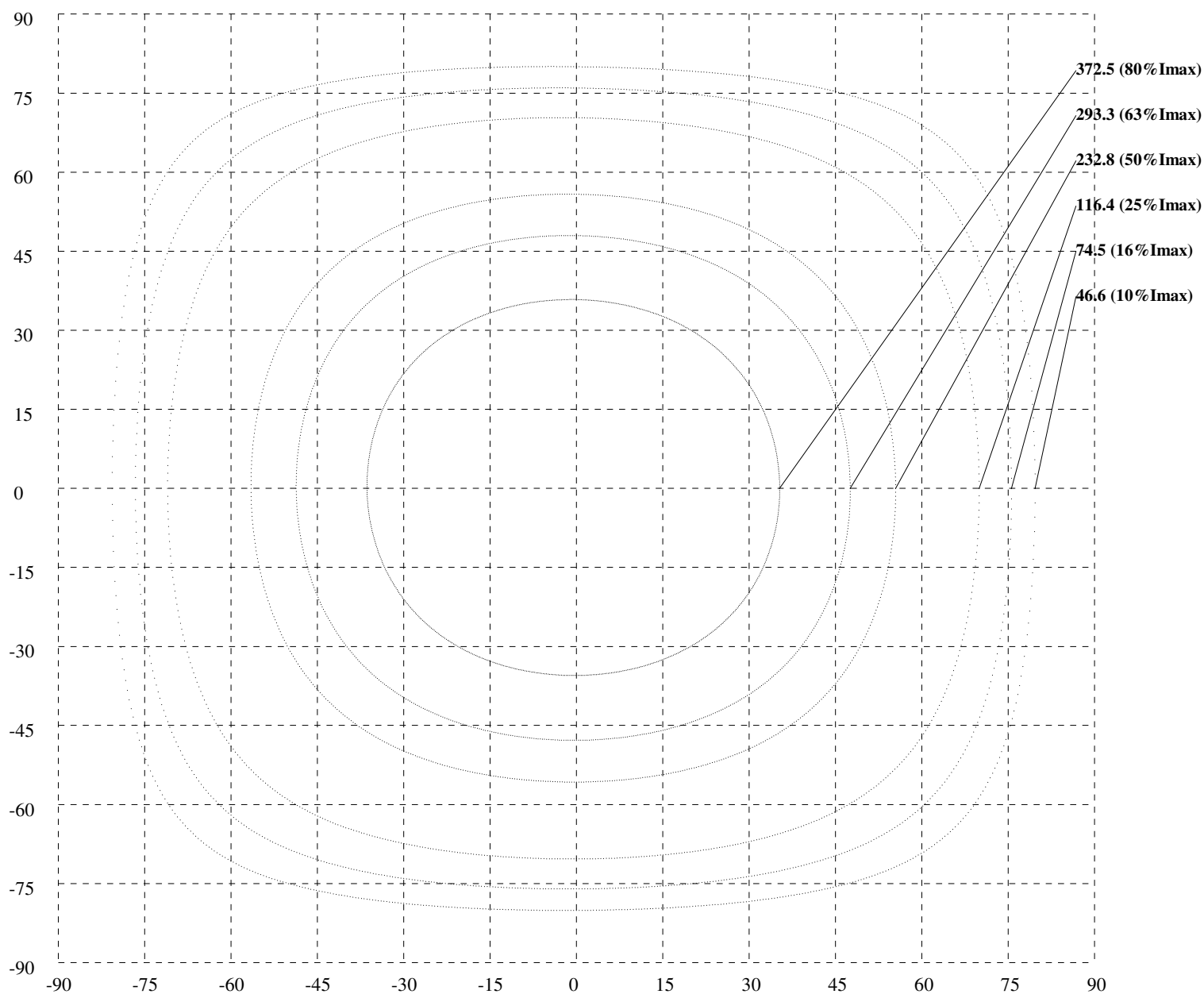
Light Distribution Curve[Unit: cd]





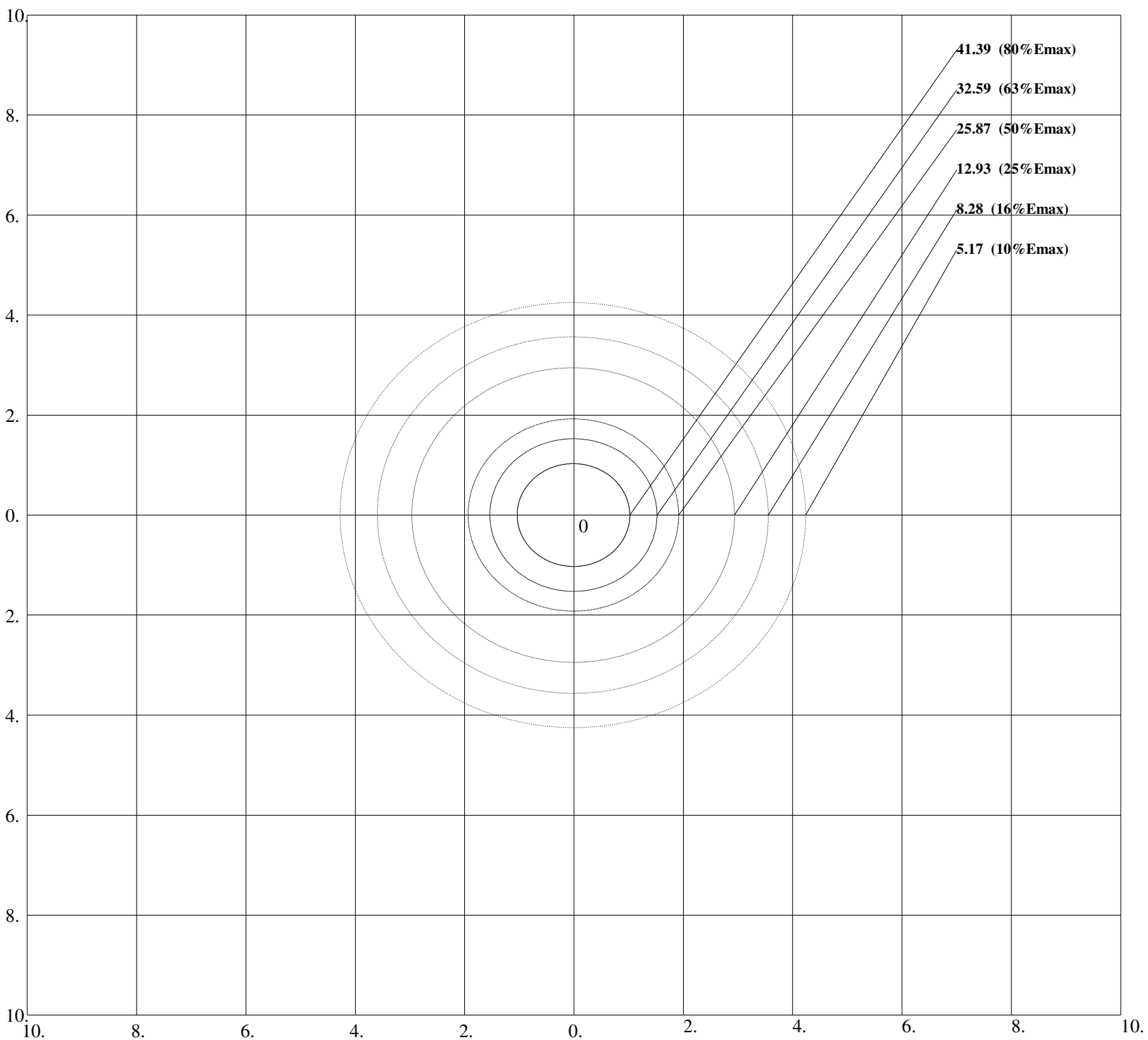
## RP Lighting + Fans

ISO-Candela V-H [Unit :cd]8537-90-3K



RP Lighting + Fans

Iso-Lux [Unit :lx]8537-90-3K



Units: lx  
Height: 3 m  
Max Illuminance : 51.73lx

***RP Lighting + Fans***  
***Lux-Distance Curve***

