

# RP Lighting + Fans

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## Test Report of Luminaire

Report No.:

Luminaire Type	8724WH-90-3K		
Lamp Type	LED		
Client		EUT NO.	CCT: 2997K, CRI: 93.8Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.087
Power:	10.3	Power Factor	0.985
Frequency:	60Hz	Tc	3000K
<b>Photometric Parameters</b>			
Luminaire Flux	905.84 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	516.378cd	Central Intensity	515.426cd
Angle of Max Intensity:	C:50 G:5		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-90584.37%		
50%Imax Beam Width	C0_180[ 43.0 , -43.1] C90_270[ 42.7 , -42.2]		
Remark			

### Luminaire Figure



**RP Lighting + Fans**

**Photometric Data Table [Unit:cd] 8724WH-90-3K**

C\G	0	5	10	15	20	25	30	35	40	45
0	515.4	513.0	504.7	489.0	466.3	436.6	401.2	358.8	301.4	228.6
5	515.4	513.4	505.0	489.7	466.6	436.6	401.9	359.5	301.4	229.0
10	515.4	514.0	505.7	490.7	467.3	437.3	402.2	359.5	301.4	228.6
15	515.4	514.0	506.7	491.7	468.0	437.6	403.2	359.5	300.7	228.3
20	515.4	514.0	507.0	492.3	468.3	437.9	403.2	359.5	300.7	227.6
25	515.4	515.0	507.7	493.3	469.3	439.3	403.6	359.5	300.4	226.6
30	515.4	514.7	508.4	494.0	470.3	439.6	403.9	359.2	299.7	225.6
35	515.4	514.7	508.7	494.7	471.0	439.9	404.2	359.2	299.1	224.6
40	515.4	515.4	508.4	495.3	471.3	440.6	404.6	359.5	299.1	224.3
45	515.4	515.7	509.0	495.3	471.6	440.6	404.6	359.5	298.7	223.6
50	515.4	516.4	509.4	495.7	471.6	440.9	404.6	359.8	298.7	223.0
55	515.4	516.0	509.7	496.0	472.3	441.3	404.6	359.8	298.7	222.6
60	515.4	516.0	509.7	496.0	472.7	441.3	404.9	360.5	298.7	222.3
65	515.4	516.4	509.7	496.4	473.0	441.9	405.2	360.5	298.4	221.6
70	515.4	516.0	509.7	496.0	473.3	442.3	405.6	361.2	298.4	221.6
75	515.4	516.4	509.4	495.7	473.3	442.6	406.9	361.8	299.1	221.6
80	515.4	516.0	509.4	495.7	473.7	442.9	407.2	362.5	299.7	222.3
85	515.4	516.0	509.4	496.0	473.7	443.3	407.9	363.2	300.1	222.6
90	515.4	516.4	509.0	495.7	473.7	443.6	408.2	363.2	300.7	222.6
95	515.4	516.4	509.4	495.7	473.3	444.3	408.6	364.2	300.7	222.6
100	515.4	516.0	509.0	495.0	473.7	444.3	408.6	364.5	301.4	223.0
105	515.4	516.0	508.7	494.3	473.3	443.9	408.9	364.8	301.7	223.6
110	515.4	516.0	508.4	494.3	473.3	443.9	409.2	364.5	302.1	223.6
115	515.4	516.0	508.0	494.0	473.0	444.3	408.6	363.8	301.4	223.6
120	515.4	515.7	508.0	493.7	473.0	444.3	408.2	363.5	301.1	223.3
125	515.4	515.4	507.7	493.7	472.7	444.3	407.9	363.2	301.1	223.3
130	515.4	515.0	507.7	493.7	472.7	444.6	407.9	362.8	301.1	223.6
135	515.4	514.7	507.0	493.7	473.0	443.6	407.2	362.8	301.1	223.6
140	515.4	514.7	507.0	493.0	473.0	443.3	406.9	363.2	301.7	224.3
145	515.4	514.7	506.7	493.0	472.7	443.3	406.6	362.5	302.1	224.6
150	515.4	514.7	507.0	493.3	472.0	442.9	406.2	362.2	302.4	225.0
155	515.4	514.7	507.0	493.0	471.6	442.3	405.6	361.5	302.1	225.3
160	515.4	514.4	507.4	492.7	471.0	441.3	405.2	361.5	301.7	226.0
165	515.4	514.4	507.0	492.3	470.3	440.3	404.6	360.8	302.4	226.6
170	515.4	514.4	507.4	492.3	469.6	439.6	403.9	360.5	302.8	227.3
175	515.4	514.0	507.0	492.3	469.6	438.3	403.6	361.2	303.4	228.0
180	515.4	514.0	507.4	492.3	469.0	437.6	403.2	361.8	304.1	229.0
185	515.4	514.0	507.0	492.0	468.3	436.9	402.6	361.5	304.8	229.6
190	515.4	513.7	506.7	491.7	467.6	436.3	401.2	360.5	305.4	230.3
195	515.4	513.7	506.4	490.7	467.3	434.9	400.2	360.2	305.4	230.7
200	515.4	513.4	506.4	490.7	466.3	434.3	399.6	359.5	305.4	231.0
205	515.4	513.7	505.7	489.7	465.6	433.3	398.9	358.8	304.8	231.3
210	515.4	513.4	505.4	489.0	465.0	432.6	397.9	357.2	304.4	230.7
215	515.4	513.0	504.7	488.3	464.0	431.6	397.2	355.8	303.4	230.3
220	515.4	512.7	504.4	487.7	463.3	430.3	395.9	355.5	303.1	230.3
225	515.4	512.4	504.0	486.7	462.6	430.3	394.5	354.2	302.4	230.3
230	515.4	512.4	503.0	486.3	461.6	429.6	393.5	353.2	301.4	230.3
235	515.4	512.0	503.0	485.7	461.0	428.9	392.5	352.2	300.1	230.0

**RP Lighting + Fans**

**Photometric Data Table [Unit:cd] 8724WH-90-3K**

<b>240</b>	515.4	512.0	502.7	485.0	460.3	428.6	391.9	350.8	298.4	229.3
<b>245</b>	515.4	511.7	502.4	484.3	460.0	427.9	390.9	348.8	295.7	227.6
<b>250</b>	515.4	511.7	501.7	484.3	459.3	426.9	390.2	346.5	293.1	225.6
<b>255</b>	515.4	511.4	501.4	483.7	458.6	426.3	388.5	344.5	290.1	223.6
<b>260</b>	515.4	510.7	501.0	483.3	458.3	425.6	387.9	343.1	287.7	221.6
<b>265</b>	515.4	511.0	500.7	483.0	458.0	425.3	387.9	342.1	286.4	220.3
<b>270</b>	515.4	511.0	499.7	482.7	457.6	425.3	387.5	342.8	287.1	220.3
<b>275</b>	515.4	510.7	499.0	482.3	457.3	425.6	387.5	343.1	288.1	222.0
<b>280</b>	515.4	510.7	499.0	482.0	457.6	426.3	388.2	344.5	290.1	224.0
<b>285</b>	515.4	510.4	499.0	482.0	458.0	426.6	389.2	346.1	292.4	226.0
<b>290</b>	515.4	510.4	499.0	482.0	458.0	427.3	390.2	347.8	294.7	227.6
<b>295</b>	515.4	510.7	499.0	482.3	459.0	427.9	391.5	349.5	296.7	228.6
<b>300</b>	515.4	510.4	499.0	482.7	459.0	428.9	392.5	350.5	298.4	229.3
<b>305</b>	515.4	510.4	499.0	483.0	459.6	429.6	393.5	351.8	299.4	229.3
<b>310</b>	515.4	510.4	499.4	483.3	460.6	430.6	395.2	353.5	299.7	229.3
<b>315</b>	515.4	510.7	500.0	484.0	461.3	431.3	395.9	353.5	299.7	229.3
<b>320</b>	515.4	510.7	500.0	484.0	461.6	432.3	396.9	354.5	300.4	229.6
<b>325</b>	515.4	511.0	500.4	484.7	463.0	433.3	397.5	354.8	301.1	229.6
<b>330</b>	515.4	511.0	501.0	485.7	463.6	433.9	397.9	355.8	301.1	229.6
<b>335</b>	515.4	511.4	501.4	486.0	464.3	434.3	398.5	356.2	301.4	230.0
<b>340</b>	515.4	511.4	502.0	486.3	464.6	434.6	398.9	356.8	301.4	230.0
<b>345</b>	515.4	511.7	502.4	487.0	464.6	434.6	399.2	357.2	301.4	229.6
<b>350</b>	515.4	512.0	502.7	487.7	465.3	434.9	399.6	358.2	301.7	229.6
<b>355</b>	515.4	512.4	503.7	488.3	466.0	435.6	400.2	358.5	302.1	229.3
<b>360</b>	515.4	513.0	504.7	489.0	466.3	436.6	401.2	358.8	301.4	228.6

<b>C\G</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>90</b>
<b>0</b>	156.2	88.6	47.1	25.3	13.6	7.1	5.0	3.0	0.5
<b>5</b>	156.3	88.1	46.8	25.1	13.5	7.1	5.0	2.9	0.5
<b>10</b>	156.4	87.5	46.3	24.8	13.4	7.0	5.0	2.9	0.5
<b>15</b>	156.4	86.9	46.0	24.6	13.3	7.0	4.9	2.9	0.5
<b>20</b>	155.8	86.4	45.6	24.4	13.1	6.9	4.9	2.8	0.5
<b>25</b>	155.3	85.9	45.3	24.2	13.1	6.8	4.9	2.8	0.5
<b>30</b>	154.7	85.4	44.9	24.1	13.0	6.8	4.9	2.7	0.5
<b>35</b>	153.8	84.8	44.6	23.9	12.9	6.8	4.9	2.5	0.5
<b>40</b>	153.0	84.2	44.3	23.8	12.8	6.7	4.9	2.4	0.5
<b>45</b>	152.4	83.6	44.0	23.6	12.8	6.7	4.8	2.3	0.6
<b>50</b>	151.8	83.0	43.7	23.5	12.7	6.7	4.8	2.3	0.5
<b>55</b>	151.2	82.4	43.4	23.4	12.7	6.7	4.8	2.3	0.5
<b>60</b>	150.9	82.0	43.3	23.3	12.6	6.6	4.8	2.5	0.5
<b>65</b>	150.5	81.6	43.1	23.2	12.6	6.6	4.8	2.6	0.5
<b>70</b>	150.3	81.3	42.9	23.1	12.5	6.6	4.8	2.5	0.5
<b>75</b>	150.0	81.1	42.7	23.1	12.5	6.6	4.8	2.5	0.5
<b>80</b>	149.9	80.8	42.6	23.0	12.5	6.6	4.8	2.5	0.5
<b>85</b>	149.9	80.7	42.5	22.9	12.4	6.5	4.8	2.5	0.5
<b>90</b>	149.9	80.6	42.3	22.9	12.4	6.5	4.7	2.5	0.5
<b>95</b>	149.9	80.4	42.3	22.8	12.4	6.5	4.7	2.5	0.5
<b>100</b>	149.9	80.3	42.2	22.8	12.3	6.5	4.7	2.5	0.5

## RP Lighting + Fans

### Photometric Data Table [Unit:cd] 8724WH-90-3K

105	150.1	80.2	42.2	22.8	12.3	6.5	4.7	2.4	0.5
110	150.5	80.2	42.2	22.8	12.3	6.5	4.7	2.4	0.5
115	150.6	80.3	42.2	22.8	12.3	6.5	4.7	2.5	0.5
120	150.6	80.4	42.3	22.8	12.3	6.5	4.7	2.3	0.5
125	150.6	80.5	42.3	22.8	12.3	6.5	4.7	2.2	0.5
130	150.6	80.6	42.4	22.8	12.3	6.5	4.7	2.2	0.5
135	150.7	80.6	42.5	22.8	12.3	6.5	4.8	2.2	0.5
140	150.6	80.8	42.6	22.9	12.3	6.5	4.8	2.2	0.5
145	150.5	81.0	42.7	22.9	12.4	6.5	4.8	2.3	0.5
150	150.6	81.2	42.9	23.0	12.4	6.5	4.8	2.5	0.5
155	150.9	81.6	43.1	23.1	12.5	6.6	4.8	2.6	0.5
160	151.5	82.1	43.4	23.3	12.5	6.6	4.8	2.6	0.5
165	151.8	82.6	43.8	23.5	12.6	6.6	4.9	2.6	0.5
170	152.2	83.2	44.1	23.7	12.7	6.7	4.9	2.7	0.5
175	152.7	83.9	44.5	23.9	12.8	6.7	4.9	2.7	0.5
180	153.2	84.6	45.0	24.1	12.9	6.8	4.9	2.8	0.5
185	153.7	85.4	45.5	24.4	13.0	6.9	5.0	2.8	0.5
190	154.3	86.2	46.0	24.6	13.2	6.9	5.0	2.9	0.5
195	155.1	87.1	46.5	24.9	13.3	7.0	5.0	2.9	0.5
200	155.7	88.0	47.1	25.2	13.4	7.1	5.1	2.9	0.5
205	156.1	88.9	47.6	25.5	13.6	7.2	5.1	3.0	0.5
210	156.0	90.0	48.2	25.8	13.7	7.2	5.1	3.0	0.5
215	155.9	90.9	48.8	26.1	13.9	7.3	5.2	2.9	0.5
220	155.9	91.9	49.3	26.4	14.1	7.4	5.2	2.8	0.5
225	156.1	92.8	49.9	26.6	14.2	7.5	5.2	2.8	0.5
230	156.4	93.7	50.5	26.9	14.4	7.6	5.2	2.9	0.5
235	156.6	94.7	50.9	27.2	14.5	7.7	5.2	3.0	0.6
240	157.0	95.6	51.4	27.4	14.6	7.7	5.3	3.1	0.6
245	156.8	96.4	51.7	27.6	14.8	7.8	5.3	3.3	0.6
250	156.5	97.0	52.1	27.8	14.9	7.9	5.3	3.4	0.7
255	155.3	97.5	52.4	28.0	15.0	7.9	5.3	3.4	0.7
260	154.6	97.9	52.7	28.2	15.1	8.0	5.3	3.4	0.7
265	153.9	98.2	52.9	28.4	15.2	8.0	5.3	3.4	0.7
270	153.8	98.5	53.1	28.5	15.3	8.1	5.3	3.5	0.8
275	154.7	98.9	53.3	28.6	15.3	8.1	5.3	3.5	0.8
280	155.7	99.2	53.5	28.6	15.4	8.1	5.4	3.5	0.8
285	157.0	99.4	53.5	28.7	15.4	8.1	5.4	3.5	0.8
290	157.9	99.4	53.6	28.7	15.4	8.1	5.4	3.5	0.8
295	158.2	99.2	53.5	28.7	15.4	8.1	5.4	3.5	0.8
300	158.2	99.0	53.4	28.6	15.4	8.1	5.4	3.5	0.8
305	158.0	98.7	53.2	28.5	15.3	8.0	5.3	3.4	0.7
310	157.9	98.2	52.8	28.4	15.2	8.0	5.3	3.3	0.7
315	157.8	97.7	52.5	28.2	15.1	8.0	5.3	3.2	0.7
320	157.7	97.0	52.1	28.0	15.0	7.9	5.3	3.2	0.7
325	157.5	96.3	51.6	27.8	14.9	7.8	5.3	3.2	0.6
330	157.6	95.4	51.0	27.4	14.8	7.7	5.2	3.2	0.6
335	157.4	94.3	50.3	27.1	14.6	7.6	5.2	3.3	0.6
340	157.1	93.0	49.6	26.7	14.4	7.5	5.2	3.2	0.6
345	156.8	91.9	49.0	26.4	14.2	7.4	5.1	3.1	0.5

***RP Lighting + Fans***

**Photometric Data Table [Unit:cd] 8724WH-90-3K**

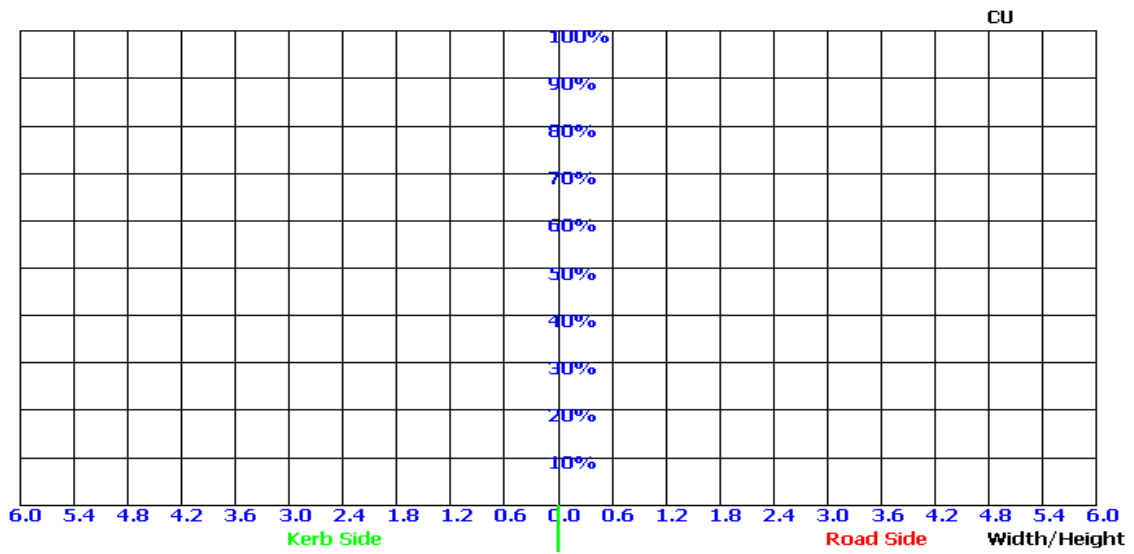
<b>350</b>	156.7	90.9	48.4	26.0	14.0	7.4	5.1	3.1	0.5
<b>355</b>	156.5	90.0	47.9	25.7	13.8	7.2	5.1	3.0	0.5
<b>360</b>	156.2	88.6	47.1	25.3	13.6	7.1	5.0	3.0	0.5

## RP Lighting + Fans

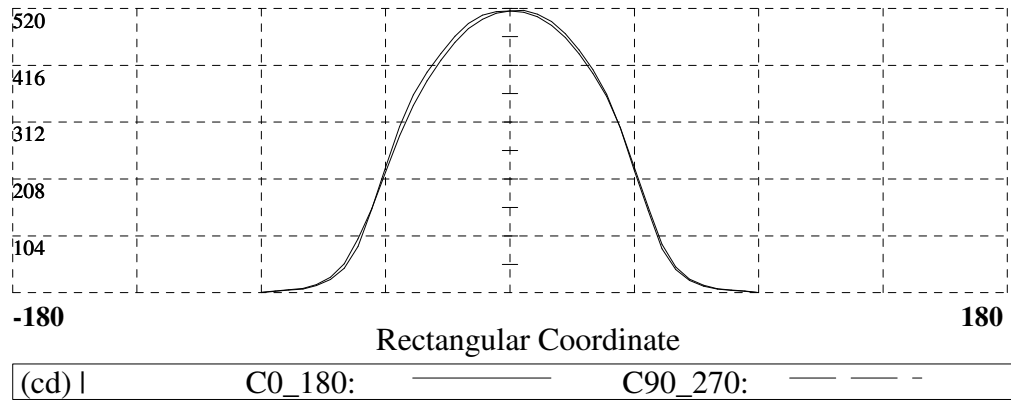
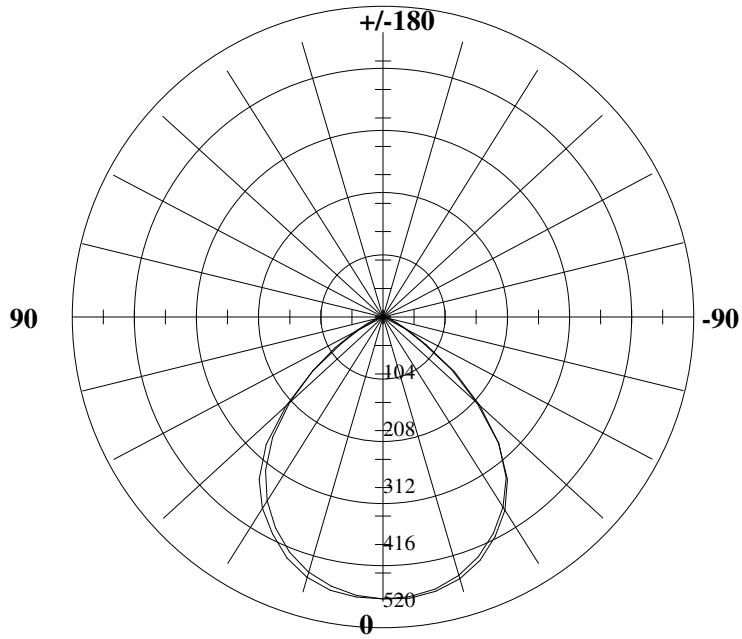
### Zonal Flux 8724WH-90-3K

<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>
0	515.43	0.00	0.00	0.00	0.00
5	513.49	12.30	12.30	-1230.05	-1230.05
10	505.09	36.44	48.74	-3643.81	-4873.86
15	489.86	59.02	107.76	-5902.00	-10775.85
20	466.84	78.85	186.60	-7884.53	-18660.38
25	436.17	94.71	281.31	-9470.93	-28131.31
30	400.27	105.85	387.17	-10585.32	-38716.63
35	357.15	111.54	498.70	-11153.58	-49870.20
40	299.71	109.59	608.29	-10959.18	-60829.37
45	226.40	97.41	705.71	-9741.24	-70570.62
50	154.10	76.88	782.59	-7688.39	-78259.00
55	88.46	52.74	835.33	-5273.94	-83532.98
60	47.08	31.33	866.66	-3132.98	-86665.95
65	25.27	17.59	884.25	-1758.93	-88424.88
70	13.57	9.83	894.08	-983.48	-89408.37
75	7.16	5.42	899.50	-541.92	-89950.33
80	5.03	3.26	902.77	-326.19	-90276.52
85	2.85	2.14	904.91	-214.06	-90490.58
90	0.58	0.94	905.84	-93.79	-90584.34

**ISLT CO.,Ltd**  
**Coefficient Utilization Curve 8724WH-90-3K**



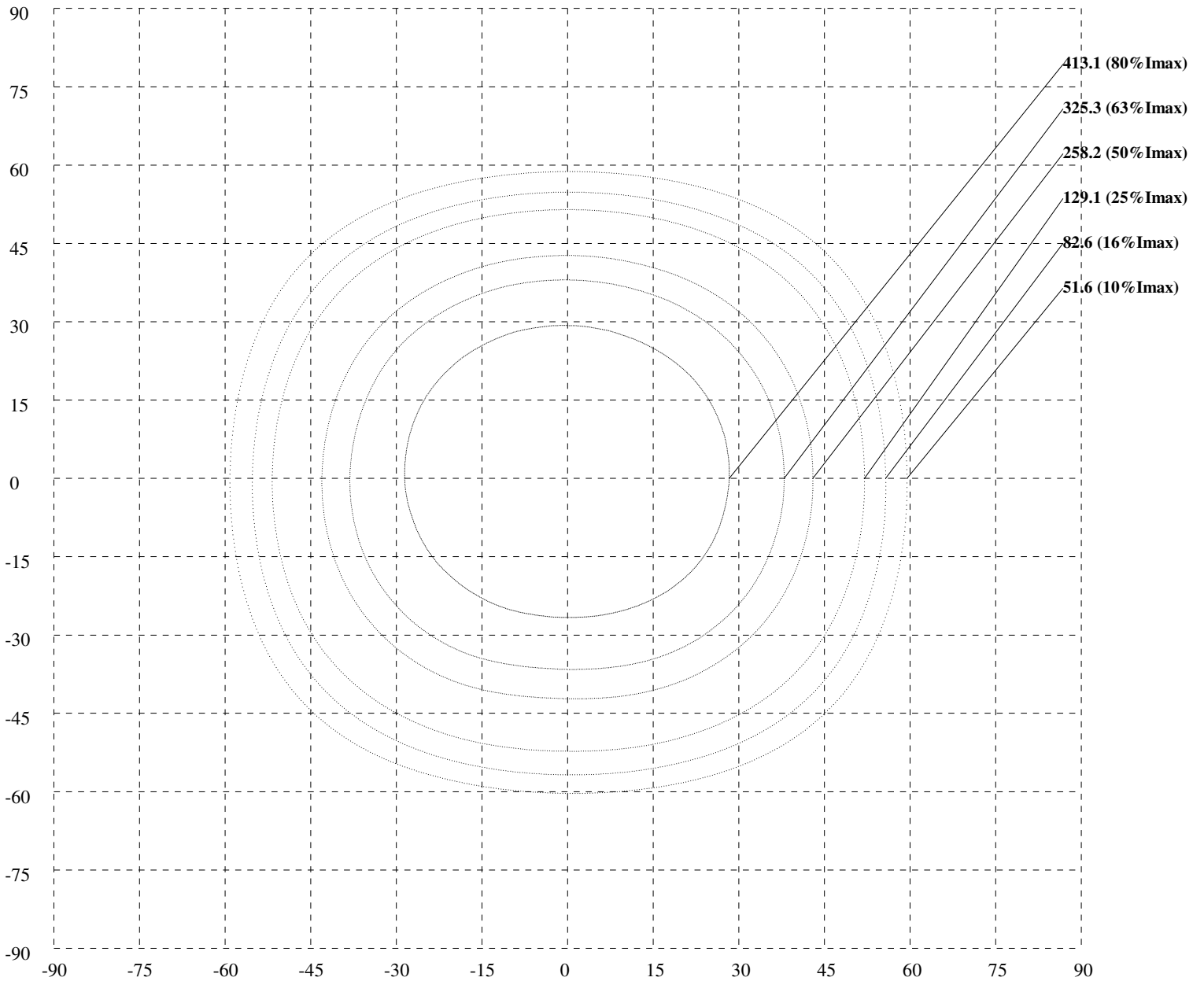
Light Distribution Curve[Unit: cd]





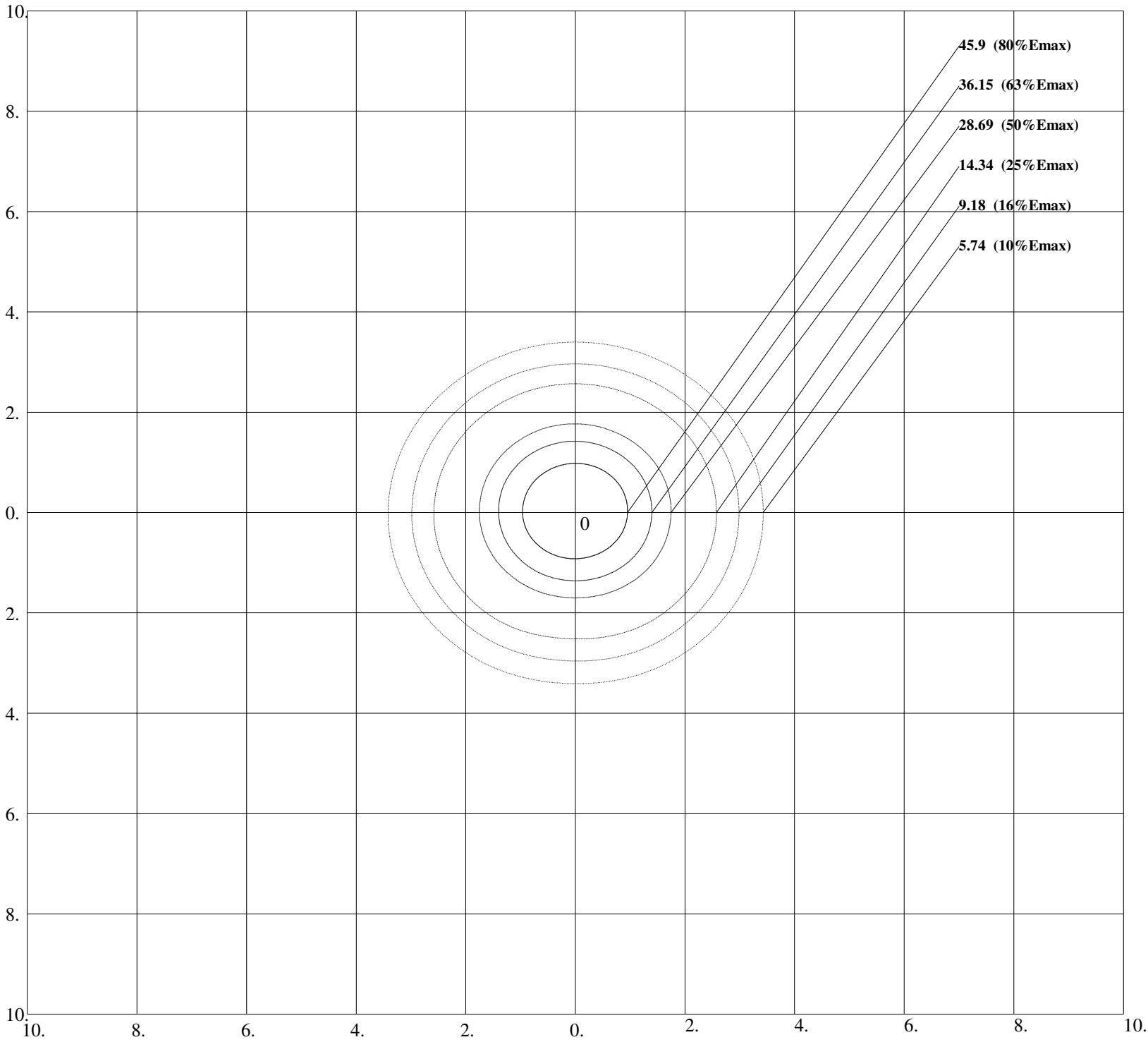
**RP Lighting + Fans**

**ISO-Candela V-H [Unit :cd]8724WH-90-3K**



**RP Lighting + Fans**

**Iso-Lux [Unit :lx]8724WH-90-3K**



Units: lx  
Height: 3 m  
Max Illuminance : 57.38lx

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

