

## Test Report of Luminaire

Report No.:

Luminaire Type	8116HIC-15		
Lamp Type	LED_CXA 1507		
Client		EUT NO.	CCT: 3009K, CRI: 82.6Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.133
Power:	15.9	Power Factor	0.997
Frequency:	60Hz	Tc	3000K
<b>Photometric Parameters</b>			
Luminaire Flux	1062.20 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	1508.781cd	Central Intensity	1508.781cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-106220.2%		
50%Imax Beam Width	C0_180[ 20.3 ,-21.0] C90_270[ 21.0 ,-20.7]		
Remark			

### Luminaire Figure



**RP Lighting • Fans**

**Photometric Data Table [Unit:cd] 8116HIC-15**

C\G	0	5	10	15	20	25	30	35	40	45
0	1508.8	1397.6	1173.3	944.0	762.7	640.2	524.7	402.2	307.8	66.0
5	1508.8	1397.3	1172.9	943.3	764.1	641.6	526.7	405.9	306.8	69.5
10	1508.8	1397.3	1173.3	945.3	767.7	641.6	529.7	406.6	304.8	72.2
15	1508.8	1398.6	1175.6	945.0	768.4	640.5	529.1	409.2	307.8	76.2
20	1508.8	1400.9	1175.6	945.0	767.7	642.6	527.4	409.9	313.4	80.8
25	1508.8	1403.3	1175.3	946.0	768.1	645.6	532.4	411.9	313.8	83.4
30	1508.8	1405.3	1175.6	945.0	769.7	648.9	540.1	413.6	312.8	84.4
35	1508.8	1407.6	1175.0	945.6	770.1	652.2	540.4	410.9	314.1	86.7
40	1508.8	1409.3	1176.6	946.6	771.4	654.2	542.4	411.9	318.4	89.6
45	1508.8	1410.3	1177.3	948.6	773.1	654.9	542.1	414.2	320.1	91.2
50	1508.8	1410.6	1178.0	949.0	776.7	656.6	543.1	414.6	320.4	90.8
55	1508.8	1410.6	1177.6	951.0	777.4	653.6	543.4	416.9	318.1	92.1
60	1508.8	1411.3	1176.6	951.3	775.1	650.6	544.1	418.6	320.8	91.7
65	1508.8	1411.9	1177.3	951.6	777.1	652.6	542.4	420.2	319.8	90.8
70	1508.8	1413.3	1176.6	950.6	775.7	653.2	541.1	421.2	321.1	91.8
75	1508.8	1414.6	1179.0	947.6	775.4	650.6	540.7	420.2	322.1	88.5
80	1508.8	1415.9	1178.0	951.6	777.4	648.9	542.4	424.3	321.1	85.5
85	1508.8	1416.6	1180.3	951.6	777.4	650.6	543.1	425.9	318.8	87.0
90	1508.8	1417.0	1182.3	951.6	779.1	651.6	542.4	424.6	320.1	85.9
95	1508.8	1416.3	1182.6	951.0	782.7	652.9	544.8	423.9	323.4	83.5
100	1508.8	1414.9	1182.3	953.3	785.1	657.6	545.4	426.9	323.4	83.9
105	1508.8	1413.6	1181.6	956.0	785.4	661.6	543.7	427.6	324.8	84.9
110	1508.8	1412.6	1180.6	958.0	784.4	659.2	543.4	428.6	325.4	85.0
115	1508.8	1411.6	1180.3	959.0	786.4	658.2	543.4	427.6	326.8	86.3
120	1508.8	1410.9	1178.0	961.0	789.1	659.6	544.8	429.9	327.1	86.7
125	1508.8	1409.9	1176.0	962.3	790.8	661.2	548.1	431.3	325.1	87.6
130	1508.8	1408.6	1176.0	964.0	791.1	663.9	551.1	434.3	330.8	86.5
135	1508.8	1407.3	1175.3	966.0	793.4	663.2	552.1	436.3	332.5	86.9
140	1508.8	1406.6	1175.3	964.0	794.8	664.9	552.4	432.6	329.5	88.2
145	1508.8	1405.6	1174.3	964.3	793.1	667.3	552.1	429.3	328.1	87.9
150	1508.8	1406.3	1174.6	965.0	789.4	667.3	547.1	430.9	327.1	84.3
155	1508.8	1407.3	1176.3	963.7	787.1	662.9	546.1	429.9	327.8	81.4
160	1508.8	1407.9	1177.6	962.0	786.1	658.9	545.8	426.3	323.4	78.7
165	1508.8	1407.9	1180.0	962.0	781.7	656.2	544.4	421.9	317.4	75.9
170	1508.8	1406.6	1181.0	961.7	780.1	655.6	542.4	421.9	314.8	73.6
175	1508.8	1405.6	1179.6	960.7	780.4	653.9	541.7	422.9	314.4	73.1
180	1508.8	1405.6	1179.6	959.3	779.1	652.9	539.4	420.2	309.1	69.7
185	1508.8	1405.6	1179.6	958.0	777.1	653.6	535.7	419.2	307.8	67.7
190	1508.8	1405.3	1178.3	957.0	775.1	652.9	533.1	418.9	303.8	67.2
195	1508.8	1404.3	1177.6	957.0	775.4	654.2	535.1	419.9	299.7	66.2
200	1508.8	1402.3	1176.6	955.6	775.1	651.6	533.1	418.6	299.4	65.6
205	1508.8	1401.3	1176.6	954.0	775.4	650.2	532.1	417.9	299.4	62.3
210	1508.8	1399.9	1175.6	952.6	775.7	652.9	533.7	416.9	294.7	61.2
215	1508.8	1398.6	1172.6	953.0	775.1	653.9	533.1	414.6	293.4	59.9
220	1508.8	1397.6	1171.3	953.0	777.1	653.9	532.1	411.9	295.4	57.8
225	1508.8	1396.9	1170.9	949.6	777.7	650.9	531.7	409.2	291.4	56.0
230	1508.8	1396.6	1171.3	948.6	777.1	645.9	529.7	409.9	285.7	54.3
235	1508.8	1396.3	1170.6	948.0	777.7	642.9	529.7	407.6	281.4	52.7

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**Photometric Data Table [Unit:cd] 8116HIC-15**

<b>240</b>	1508.8	1395.9	1170.6	948.0	778.1	640.9	529.7	403.9	282.7	51.3
<b>245</b>	1508.8	1395.6	1166.9	948.0	778.1	642.9	527.1	403.6	283.1	49.8
<b>250</b>	1508.8	1394.3	1164.6	948.6	778.1	641.6	522.4	401.2	282.4	48.2
<b>255</b>	1508.8	1393.3	1162.3	947.3	776.1	639.9	520.0	396.2	279.1	46.1
<b>260</b>	1508.8	1392.6	1162.6	949.6	772.4	642.6	520.7	395.2	275.4	42.6
<b>265</b>	1508.8	1391.9	1163.9	949.0	773.4	641.6	521.4	396.9	272.7	40.3
<b>270</b>	1508.8	1390.9	1164.6	949.0	772.7	636.9	519.7	399.2	272.4	38.9
<b>275</b>	1508.8	1390.2	1165.3	950.6	773.4	635.5	517.7	398.2	275.4	38.4
<b>280</b>	1508.8	1390.6	1166.9	953.3	775.4	634.5	516.7	395.2	273.4	37.7
<b>285</b>	1508.8	1390.9	1167.6	952.3	774.7	639.2	518.4	396.9	274.7	37.7
<b>290</b>	1508.8	1390.9	1167.6	953.6	773.1	641.9	520.4	396.9	280.1	38.5
<b>295</b>	1508.8	1390.9	1169.3	955.0	773.7	639.9	520.0	397.5	280.4	38.9
<b>300</b>	1508.8	1390.6	1170.6	956.3	773.1	638.2	521.7	394.9	283.4	39.3
<b>305</b>	1508.8	1390.2	1170.9	955.6	772.4	638.5	519.7	394.9	286.1	40.1
<b>310</b>	1508.8	1389.9	1171.6	955.6	770.1	638.9	518.7	396.5	286.7	41.7
<b>315</b>	1508.8	1389.6	1172.6	953.6	771.1	639.2	516.7	396.5	286.1	42.0
<b>320</b>	1508.8	1389.6	1171.6	953.0	771.1	640.2	515.0	396.2	290.4	44.0
<b>325</b>	1508.8	1390.9	1169.6	953.6	771.4	638.5	516.0	396.2	292.7	45.6
<b>330</b>	1508.8	1391.9	1170.3	952.6	770.7	638.5	519.7	395.5	294.1	46.6
<b>335</b>	1508.8	1392.9	1170.9	953.3	769.1	638.5	520.4	397.2	292.7	49.3
<b>340</b>	1508.8	1393.3	1169.9	952.0	767.4	639.2	522.4	397.5	293.1	52.3
<b>345</b>	1508.8	1392.9	1169.9	949.0	768.1	640.2	522.7	399.6	296.7	56.1
<b>350</b>	1508.8	1393.6	1169.9	946.3	766.4	640.5	522.4	400.2	300.4	58.8
<b>355</b>	1508.8	1394.3	1170.3	944.0	764.1	640.2	523.1	399.2	303.8	61.4
<b>360</b>	1508.8	1397.6	1173.3	944.0	762.7	640.2	524.7	402.2	307.8	66.0

<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>	28.6	20.0	8.5	1.3	1.0	0.9	0.7	0.6	0.6
<b>5</b>	29.6	20.4	8.7	1.3	1.0	0.9	0.7	0.6	0.6
<b>10</b>	31.0	21.2	8.5	1.3	1.1	0.9	0.7	0.6	0.6
<b>15</b>	32.0	21.0	8.1	1.4	1.1	0.9	0.8	0.6	0.6
<b>20</b>	31.7	20.2	8.0	1.4	1.1	0.9	0.7	0.6	0.6
<b>25</b>	31.9	19.9	7.9	1.4	1.1	0.9	0.8	0.7	0.6
<b>30</b>	32.1	20.7	7.7	1.5	1.2	0.9	0.8	0.7	0.6
<b>35</b>	33.1	20.8	8.5	1.5	1.2	0.9	0.8	0.7	0.6
<b>40</b>	33.5	21.1	8.7	1.5	1.2	0.9	0.8	0.7	0.6
<b>45</b>	33.3	20.7	8.9	1.6	1.2	1.0	0.8	0.7	0.6
<b>50</b>	33.5	21.3	8.9	1.6	1.2	1.0	0.8	0.7	0.6
<b>55</b>	33.2	21.7	9.6	1.7	1.3	1.0	0.8	0.7	0.6
<b>60</b>	33.5	22.1	9.9	1.7	1.3	1.0	0.8	0.7	0.6
<b>65</b>	33.6	20.7	9.8	1.7	1.3	1.0	0.8	0.7	0.6
<b>70</b>	34.3	22.1	10.2	1.7	1.3	1.0	0.8	0.7	0.6
<b>75</b>	33.8	21.8	10.1	1.7	1.3	1.0	0.8	0.7	0.6
<b>80</b>	32.9	21.2	10.1	1.7	1.3	1.0	0.8	0.7	0.6
<b>85</b>	32.1	21.0	10.4	1.7	1.3	1.0	0.8	0.7	0.6
<b>90</b>	32.6	21.5	10.4	1.7	1.3	1.0	0.8	0.7	0.6
<b>95</b>	33.1	21.6	10.3	1.6	1.3	1.0	0.8	0.7	0.6
<b>100</b>	33.5	21.9	11.0	1.6	1.3	1.0	0.8	0.7	0.6

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### Photometric Data Table [Unit:cd] 8116HIC-15

105	34.2	22.4	10.4	1.6	1.2	1.0	0.8	0.7	0.6
110	34.7	22.2	10.0	1.6	1.2	0.9	0.8	0.7	0.6
115	34.9	21.2	8.6	1.5	1.2	0.9	0.8	0.7	0.6
120	35.4	21.0	6.9	1.5	1.2	0.9	0.8	0.7	0.6
125	35.4	21.7	6.8	1.5	1.1	0.9	0.8	0.7	0.6
130	37.6	21.8	7.0	1.4	1.1	0.9	0.8	0.7	0.6
135	38.5	22.6	7.7	1.4	1.1	0.9	0.7	0.7	0.6
140	38.4	22.8	8.3	1.4	1.1	0.9	0.8	0.7	0.6
145	36.8	22.5	8.5	1.4	1.1	0.9	0.8	0.6	0.6
150	35.0	22.2	8.1	1.4	1.1	0.9	0.7	0.6	0.6
155	35.0	22.0	8.1	1.4	1.1	0.9	0.7	0.6	0.6
160	34.0	22.0	9.0	1.4	1.1	0.9	0.7	0.6	0.6
165	32.4	22.2	9.3	1.3	1.1	0.9	0.7	0.6	0.6
170	30.8	21.5	9.2	1.3	1.1	0.9	0.7	0.6	0.6
175	31.0	20.3	7.5	1.3	1.1	0.9	0.7	0.7	0.6
180	31.9	19.4	6.7	1.4	1.1	0.9	0.7	0.6	0.6
185	32.5	20.8	6.0	1.3	1.1	0.9	0.7	0.6	0.6
190	32.8	20.1	4.8	1.4	1.1	0.9	0.7	0.6	0.6
195	31.8	19.1	3.5	1.4	1.1	0.9	0.7	0.6	0.6
200	30.5	18.4	2.8	1.4	1.1	0.9	0.8	0.6	0.6
205	29.6	18.3	2.4	1.4	1.1	0.9	0.8	0.6	0.6
210	30.3	18.7	2.2	1.4	1.1	0.9	0.8	0.6	0.6
215	29.3	19.0	2.1	1.5	1.1	0.9	0.8	0.6	0.6
220	28.9	18.2	2.1	1.5	1.2	0.9	0.8	0.7	0.6
225	29.8	18.7	2.1	1.5	1.2	0.9	0.8	0.7	0.6
230	29.6	18.2	2.1	1.5	1.2	0.9	0.8	0.7	0.6
235	29.2	18.2	2.1	1.5	1.2	1.0	0.8	0.7	0.6
240	28.1	18.0	2.1	1.6	1.2	1.0	0.8	0.6	0.6
245	27.7	17.3	2.1	1.6	1.2	1.0	0.8	0.7	0.6
250	28.2	17.2	2.1	1.6	1.2	1.0	0.8	0.7	0.6
255	27.5	16.5	2.1	1.6	1.2	1.0	0.8	0.6	0.6
260	25.3	15.5	2.1	1.5	1.2	1.0	0.8	0.7	0.6
265	23.1	14.0	2.1	1.5	1.2	0.9	0.8	0.6	0.6
270	21.9	12.6	2.0	1.5	1.2	1.0	0.8	0.7	0.6
275	21.0	11.7	2.0	1.5	1.2	0.9	0.8	0.6	0.6
280	20.6	11.3	2.0	1.5	1.1	0.9	0.8	0.6	0.6
285	20.4	11.1	1.9	1.4	1.1	0.9	0.8	0.6	0.6
290	20.4	11.0	1.9	1.4	1.1	0.9	0.8	0.7	0.6
295	20.4	10.9	1.8	1.4	1.1	0.9	0.7	0.6	0.6
300	20.5	11.1	1.8	1.3	1.1	0.9	0.7	0.6	0.6
305	20.5	11.2	1.8	1.3	1.0	0.9	0.7	0.6	0.6
310	20.6	11.3	1.8	1.3	1.0	0.8	0.7	0.6	0.6
315	20.7	11.4	1.8	1.3	1.0	0.8	0.7	0.6	0.6
320	20.9	11.6	1.8	1.3	1.0	0.8	0.7	0.6	0.6
325	21.0	12.0	1.9	1.3	1.0	0.8	0.7	0.6	0.6
330	21.3	12.5	2.1	1.2	1.0	0.8	0.7	0.6	0.6
335	21.9	13.2	2.6	1.3	1.0	0.9	0.7	0.6	0.6
340	22.6	14.3	3.8	1.2	1.0	0.8	0.7	0.6	0.6
345	23.9	15.6	5.7	1.3	1.0	0.8	0.7	0.6	0.6

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**Photometric Data Table [Unit:cd] 8116HIC-15**

<b>350</b>	25.5	17.6	6.9	1.3	1.0	0.8	0.7	0.6	0.6
<b>355</b>	27.2	19.2	7.5	1.3	1.0	0.8	0.7	0.6	0.6
<b>360</b>	28.6	20.0	8.5	1.3	1.0	0.9	0.7	0.6	0.6

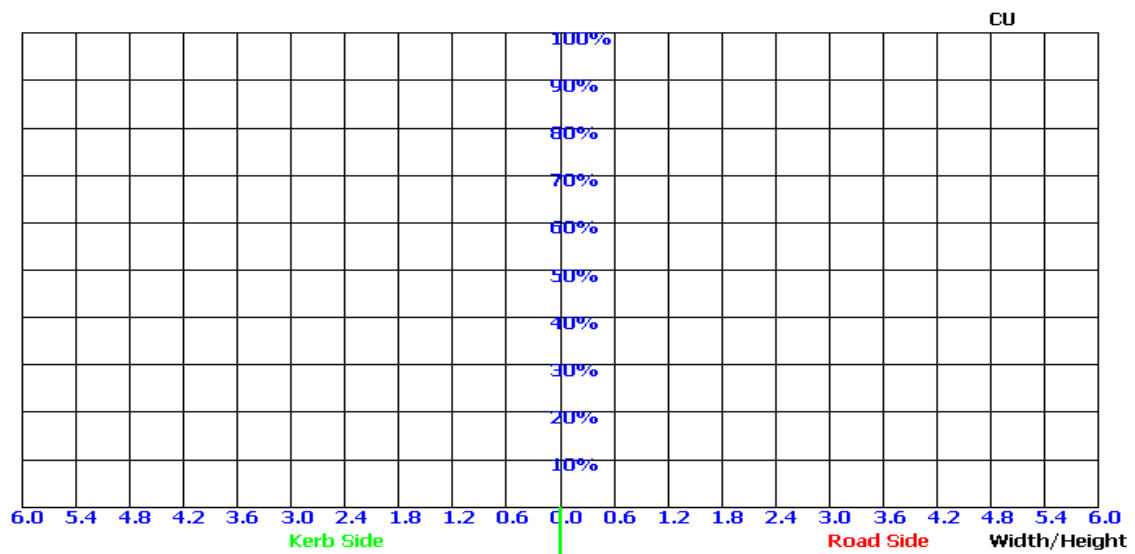
## *RP Lighting • Fans*

### Zonal Flux 8116HIC-15

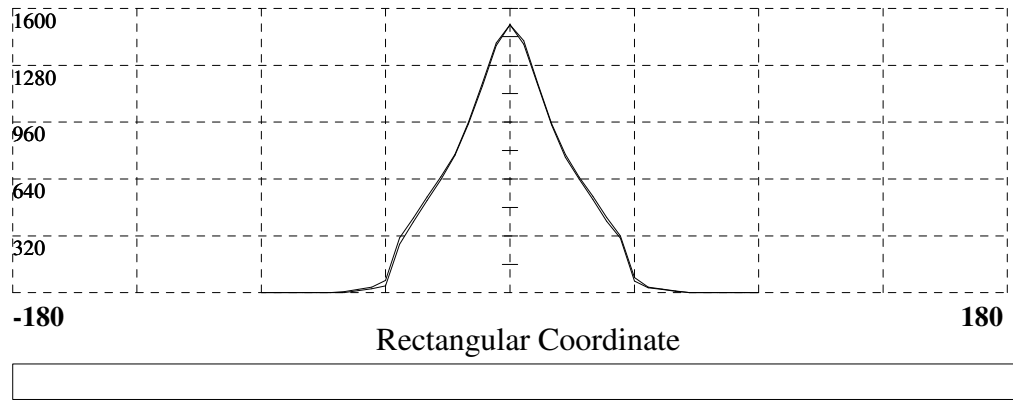
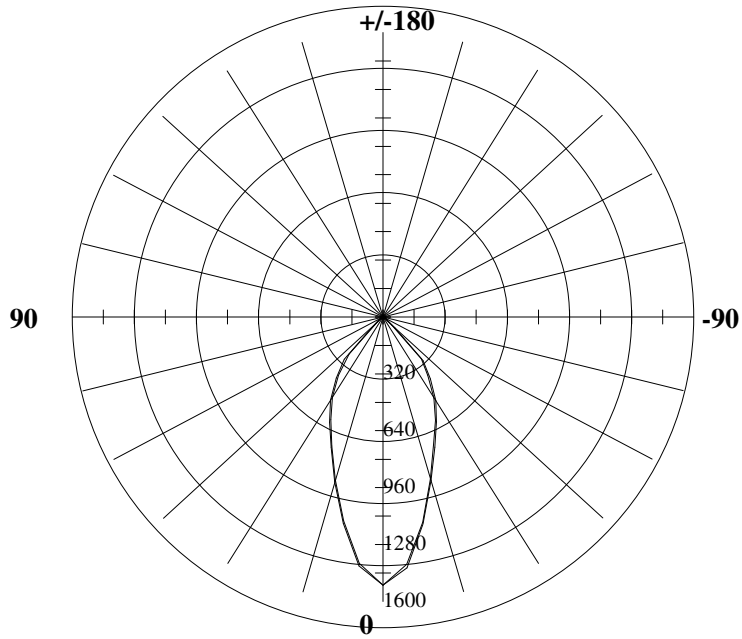
<b>Gamma [°]</b>	<b>I<sub>mean</sub> [cd]</b>	<b>Zonal Flux [lm]</b>	<b>Sum.Flux [lm]</b>	<b>Zonal Flux [%]</b>	<b>Sum.Flux [%]</b>
0	1508.78	0.00	0.00	0.00	0.00
5	1401.76	34.79	34.79	-3479.47	-3479.47
10	1174.01	92.14	126.94	-9214.34	-12693.81
15	953.05	126.18	253.11	-12617.57	-25311.38
20	776.48	142.54	395.65	-14253.75	-39565.12
25	648.87	149.49	545.14	-14949.31	-54514.42
30	533.30	149.61	694.75	-14960.51	-69474.93
35	412.43	139.27	834.02	-13926.64	-83401.56
40	304.48	119.61	953.63	-11961.23	-95362.78
45	67.28	68.84	1022.46	-6883.59	-102246.34
50	29.51	19.56	1042.02	-1955.80	-104202.19
55	18.42	10.42	1052.44	-1042.01	-105244.19
60	5.87	5.61	1058.06	-561.40	-105805.54
65	1.45	1.78	1059.84	-178.00	-105983.59
70	1.14	0.66	1060.49	-65.60	-106049.19
75	0.92	0.54	1061.03	-53.78	-106103.11
80	0.77	0.45	1061.48	-45.13	-106148.21
85	0.65	0.39	1061.87	-38.61	-106186.69
90	0.57	0.33	1062.20	-33.42	-106219.92

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**Coefficient Utilization Curve 8116HIC-15**

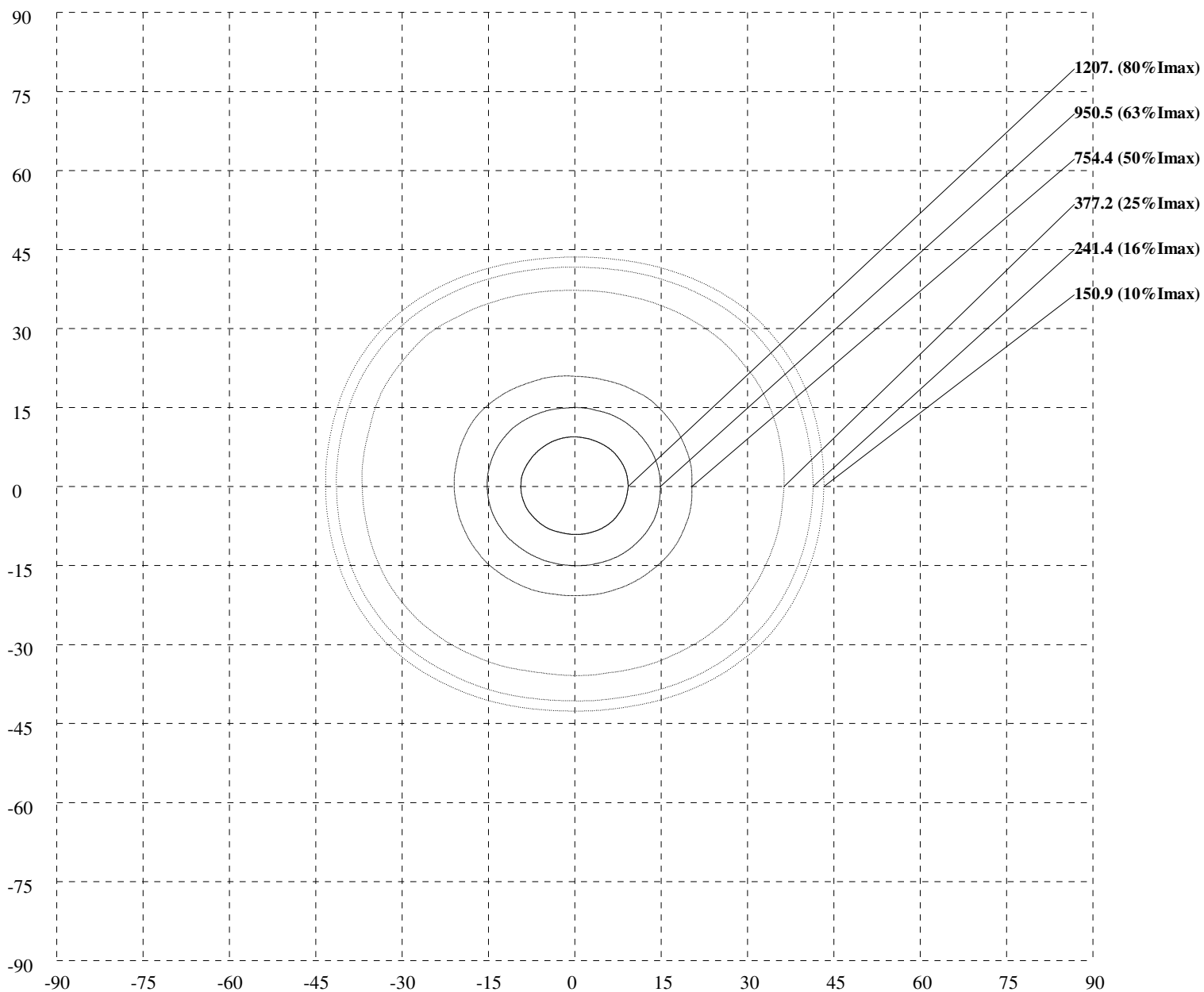


Light Distribution Curve[Unit: cd]

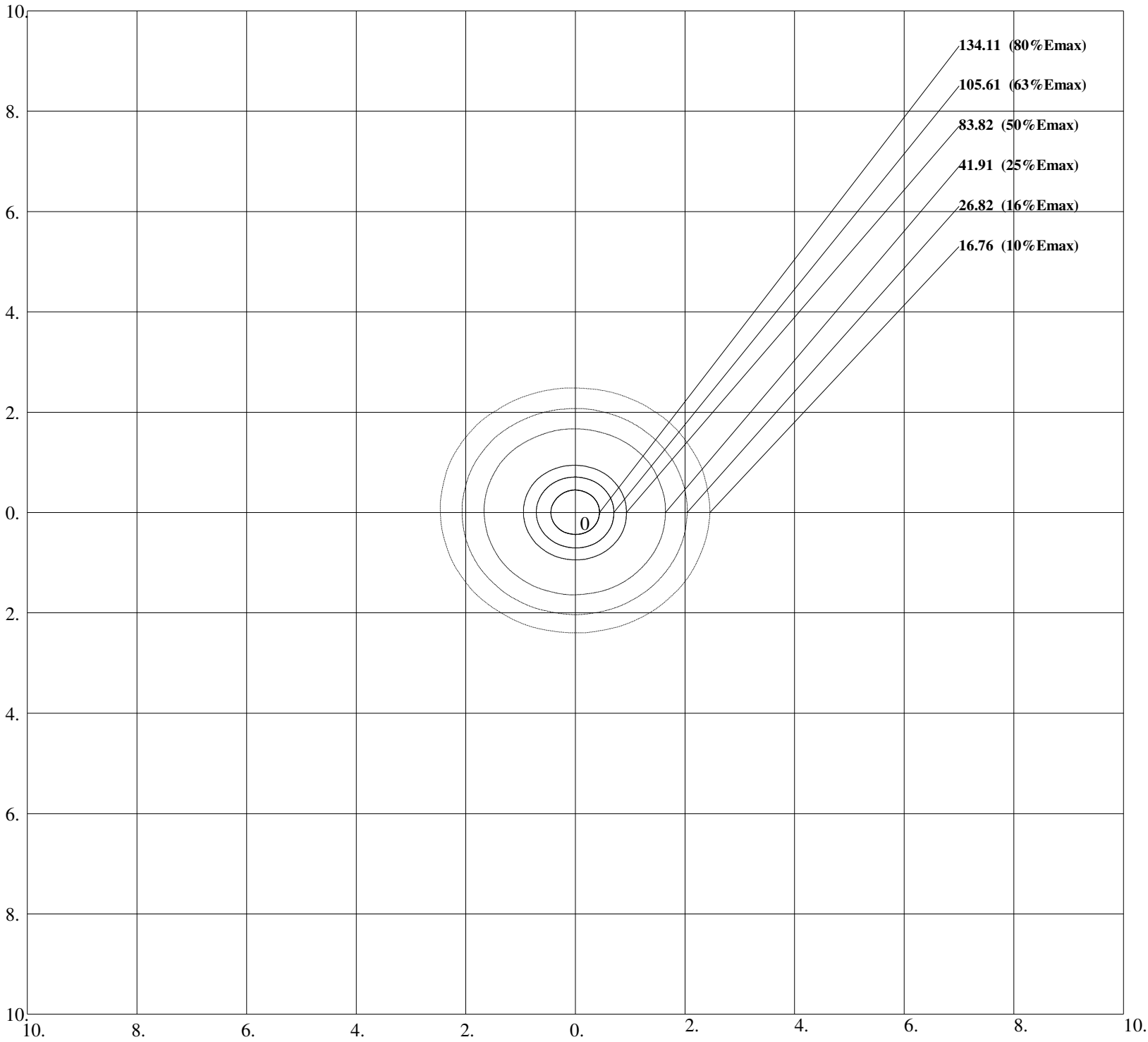




**ISO-Candela V-H [Unit :cd] 8116HIC-15**



**Iso-Lux [Unit :lx] 8116HIC-15**



Units: lx  
Height: 3 m  
Max Illuminance : 167.64lx

**RP Lighting • Fans**

**Lux-Distance Curve**

