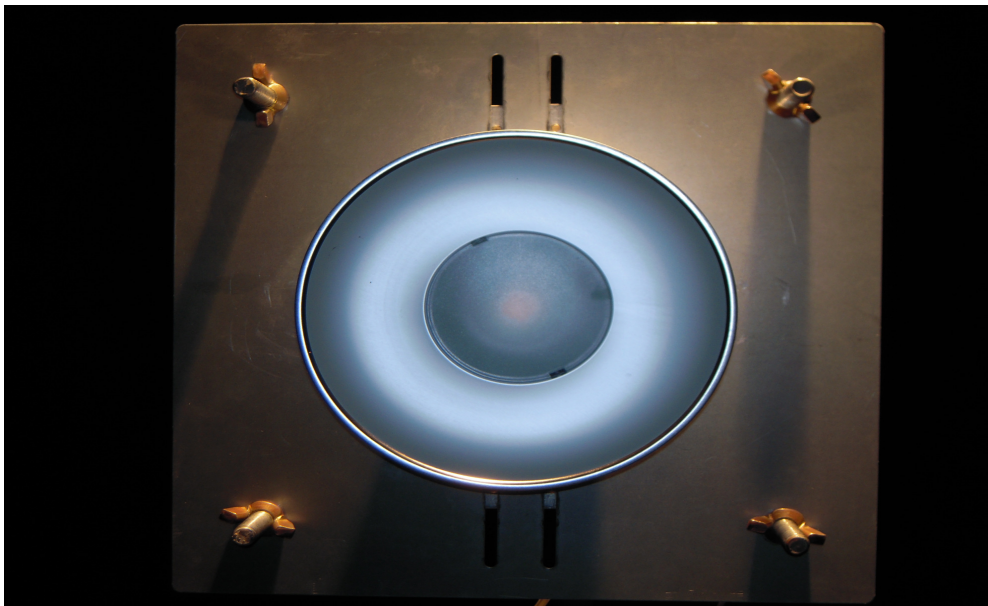


## Test Report of Luminaire

**Report No.:**

Luminaire Type	SFR8-40-840-HC		
Lamp Type	LED_DOB		
Client		EUT NO.	CCT: 3898K, CRI: 82.3
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.333
Power:	39.5	Power Factor	0.987
Frequency:	60Hz	Tc	4000K
<b>Photometric Parameters</b>			
Luminaire Flux	2732.60 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	4234.772cd	Central Intensity	4234.772cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	-0.05%		
Downward Flux Ratio	-273259.6%		
50%Imax Beam Width	C0_180[ 16.0 ,-18.9] C90_270[ 16.8 ,-17.7]		
Remark			

### Luminaire Figure



**Photometric Data Table [Unit:cd] SFR8-40-840-HC**

C\G	0	5	10	15	20	25	30	35	40	45
0	4234.8	3457.4	2657.7	2187.0	1851.2	1577.5	1331.8	1092.2	672.3	138.3
5	4234.8	3449.1	2651.3	2183.7	1847.5	1574.8	1327.2	1084.5	664.2	137.3
10	4234.8	3440.1	2645.6	2179.7	1844.2	1568.5	1320.2	1077.8	656.9	136.6
15	4234.8	3435.1	2641.0	2176.3	1840.2	1563.8	1315.1	1071.8	651.9	136.7
20	4234.8	3429.7	2638.3	2173.7	1836.2	1557.8	1309.1	1066.5	647.9	137.2
25	4234.8	3426.4	2638.0	2174.0	1833.5	1554.1	1306.5	1063.1	647.6	138.1
30	4234.8	3426.4	2639.0	2175.3	1831.9	1550.8	1302.5	1060.5	649.2	140.0
35	4234.8	3426.7	2642.0	2176.0	1829.2	1549.5	1301.5	1059.1	653.9	142.1
40	4234.8	3429.4	2646.0	2178.0	1832.5	1548.5	1301.1	1059.8	659.2	145.1
45	4234.8	3432.7	2651.7	2182.0	1834.2	1550.5	1301.5	1059.8	666.9	148.6
50	4234.8	3439.7	2658.3	2186.7	1837.9	1553.1	1303.8	1061.8	677.6	152.6
55	4234.8	3446.4	2667.7	2191.4	1842.2	1555.8	1306.1	1065.1	689.9	157.2
60	4234.8	3455.8	2678.7	2197.4	1845.5	1559.1	1308.1	1068.8	706.3	162.2
65	4234.8	3466.1	2691.0	2204.4	1850.2	1564.5	1311.1	1072.8	721.0	167.9
70	4234.8	3477.1	2704.1	2212.0	1854.9	1565.2	1313.5	1076.5	737.7	173.7
75	4234.8	3491.1	2717.1	2219.7	1860.2	1568.2	1314.5	1079.2	754.7	180.1
80	4234.8	3505.2	2731.1	2227.7	1863.9	1570.5	1316.1	1083.5	771.4	187.0
85	4234.8	3520.5	2746.4	2237.4	1867.9	1572.8	1317.8	1086.8	789.4	194.1
90	4234.8	3536.9	2761.5	2249.4	1873.2	1577.2	1320.8	1089.8	806.1	200.8
95	4234.8	3555.9	2781.2	2260.4	1880.9	1581.8	1321.5	1094.5	821.5	208.4
100	4234.8	3574.9	2799.2	2272.5	1888.9	1586.5	1325.5	1097.8	834.8	216.2
105	4234.8	3594.9	2819.9	2285.1	1895.9	1592.2	1328.8	1101.9	847.2	224.2
110	4234.8	3615.0	2837.9	2299.8	1905.6	1598.9	1333.8	1105.9	859.5	232.6
115	4234.8	3635.0	2856.9	2313.9	1916.3	1605.2	1340.5	1111.5	871.2	241.1
120	4234.8	3655.4	2875.3	2325.5	1926.3	1614.2	1348.9	1117.2	883.9	250.8
125	4234.8	3676.4	2893.3	2338.6	1935.3	1624.2	1357.2	1125.5	896.2	260.6
130	4234.8	3698.4	2912.3	2350.9	1945.0	1634.6	1368.2	1132.2	909.3	270.8
135	4234.8	3719.8	2929.7	2362.9	1956.0	1643.9	1379.9	1139.9	920.3	282.0
140	4234.8	3742.2	2946.7	2375.9	1968.0	1653.3	1389.2	1148.9	930.3	292.6
145	4234.8	3762.8	2963.4	2387.3	1978.1	1663.6	1399.9	1157.6	940.6	303.9
150	4234.8	3784.9	2978.8	2399.3	1989.7	1674.6	1408.3	1167.3	951.3	315.1
155	4234.8	3807.9	2995.5	2410.7	2001.1	1681.0	1418.0	1176.3	959.0	325.5
160	4234.8	3826.3	3008.8	2420.3	2008.4	1689.0	1426.0	1185.0	967.0	336.2
165	4234.8	3845.6	3021.8	2429.3	2014.8	1696.3	1433.0	1193.3	975.7	345.4
170	4234.8	3860.6	3031.2	2435.4	2018.4	1701.7	1437.6	1199.3	984.0	354.2
175	4234.8	3870.3	3037.8	2437.7	2024.1	1705.7	1442.0	1201.3	993.0	361.7
180	4234.8	3880.3	3039.5	2439.0	2026.8	1708.7	1444.7	1208.0	1001.0	367.0
185	4234.8	3885.3	3040.2	2438.0	2027.8	1711.4	1447.7	1211.3	1005.4	370.9
190	4234.8	3889.4	3036.2	2435.0	2026.5	1714.4	1449.0	1215.3	1009.1	372.2
195	4234.8	3889.0	3030.2	2428.7	2024.5	1714.4	1451.0	1218.3	1015.1	372.6
200	4234.8	3885.0	3022.2	2421.7	2020.8	1710.7	1448.3	1221.7	1021.4	370.1
205	4234.8	3880.7	3010.8	2414.3	2014.4	1707.7	1449.3	1228.4	1027.7	366.7
210	4234.8	3873.3	3001.5	2406.0	2007.4	1703.3	1446.3	1231.7	1034.8	360.8
215	4234.8	3865.7	2987.4	2395.6	1999.1	1699.0	1447.0	1237.4	1041.8	353.0
220	4234.8	3856.0	2976.4	2386.6	1993.1	1695.0	1446.7	1239.4	1046.8	344.5
225	4234.8	3847.3	2964.1	2379.9	1986.7	1690.3	1444.7	1242.4	1051.1	336.5
230	4234.8	3836.9	2954.7	2373.3	1979.7	1686.7	1443.7	1245.0	1052.8	327.5
235	4234.8	3824.9	2946.7	2368.3	1974.7	1685.0	1443.3	1246.0	1051.8	318.5

**Photometric Data Table [Unit:cd] SFR8-40-840-HC**

<b>240</b>	4234.8	3816.3	2939.0	2362.9	1970.7	1681.6	1444.0	1245.0	1049.1	309.1
<b>245</b>	4234.8	3804.6	2932.7	2355.9	1969.0	1676.6	1442.7	1245.4	1044.8	298.4
<b>250</b>	4234.8	3793.6	2921.4	2350.9	1962.7	1673.0	1442.0	1244.4	1039.8	288.7
<b>255</b>	4234.8	3781.5	2912.7	2343.6	1958.0	1672.0	1439.3	1241.7	1033.4	278.0
<b>260</b>	4234.8	3770.2	2905.0	2335.5	1954.0	1666.0	1434.3	1238.7	1025.4	267.3
<b>265</b>	4234.8	3758.8	2894.3	2328.2	1947.0	1661.3	1432.0	1236.0	1015.1	256.7
<b>270</b>	4234.8	3746.5	2882.0	2320.5	1941.0	1657.3	1427.0	1233.4	1001.0	245.9
<b>275</b>	4234.8	3732.1	2869.6	2313.2	1934.7	1651.9	1422.3	1229.4	985.4	235.9
<b>280</b>	4234.8	3716.8	2858.3	2303.8	1930.3	1647.9	1417.3	1223.4	968.0	225.8
<b>285</b>	4234.8	3701.4	2843.9	2295.8	1922.3	1641.3	1412.3	1218.0	948.6	216.0
<b>290</b>	4234.8	3685.7	2828.2	2289.5	1917.0	1637.3	1407.6	1212.3	927.6	207.2
<b>295</b>	4234.8	3667.4	2813.9	2281.1	1912.6	1632.6	1402.3	1205.3	906.9	198.6
<b>300</b>	4234.8	3650.7	2797.9	2272.5	1907.0	1628.6	1397.6	1198.7	886.2	190.9
<b>305</b>	4234.8	3630.7	2782.5	2263.8	1901.6	1624.2	1392.3	1191.0	862.9	183.2
<b>310</b>	4234.8	3612.3	2769.1	2254.8	1896.9	1618.9	1387.6	1183.3	841.5	176.2
<b>315</b>	4234.8	3592.9	2753.8	2245.8	1892.9	1616.2	1381.6	1173.9	819.8	170.2
<b>320</b>	4234.8	3575.6	2742.4	2236.1	1887.6	1611.9	1378.2	1166.3	799.4	164.5
<b>325</b>	4234.8	3557.6	2731.1	2226.7	1882.9	1607.9	1372.6	1156.9	779.7	159.9
<b>330</b>	4234.8	3541.5	2717.4	2219.1	1876.9	1602.2	1368.6	1149.2	762.0	155.2
<b>335</b>	4234.8	3524.2	2705.4	2212.0	1871.6	1598.2	1364.5	1140.6	744.7	151.4
<b>340</b>	4234.8	3508.2	2694.7	2206.4	1868.2	1594.9	1359.5	1130.9	728.0	147.9
<b>345</b>	4234.8	3494.5	2684.7	2200.7	1862.2	1590.9	1353.9	1121.5	713.0	144.8
<b>350</b>	4234.8	3481.5	2674.7	2194.7	1857.9	1586.5	1347.2	1112.2	698.6	142.0
<b>355</b>	4234.8	3467.8	2665.0	2189.3	1855.6	1580.8	1340.2	1101.9	685.9	140.0
<b>360</b>	4234.8	3457.4	2657.7	2187.0	1851.2	1577.5	1331.8	1092.2	672.3	138.3

<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>	38.0	13.3	2.9	2.1	1.7	1.3	1.1	0.9	0.7
<b>5</b>	37.8	13.1	2.8	2.1	1.6	1.3	1.1	0.8	0.7
<b>10</b>	37.7	13.0	2.7	2.0	1.6	1.3	1.1	0.8	0.7
<b>15</b>	37.6	12.9	2.7	1.9	1.5	1.3	1.0	0.8	0.7
<b>20</b>	37.7	12.9	2.6	1.9	1.6	1.3	1.0	0.8	0.7
<b>25</b>	37.9	12.9	2.6	1.9	1.5	1.3	1.0	0.8	0.7
<b>30</b>	38.2	13.0	2.6	1.9	1.5	1.2	1.0	0.8	0.7
<b>35</b>	38.6	13.2	2.7	1.8	1.5	1.2	1.0	0.8	0.7
<b>40</b>	39.2	13.4	2.9	1.8	1.5	1.2	1.0	0.8	0.7
<b>45</b>	40.1	13.7	3.1	1.8	1.5	1.2	1.0	0.8	0.7
<b>50</b>	41.0	14.0	3.4	1.8	1.5	1.2	1.0	0.8	0.7
<b>55</b>	42.1	14.4	3.6	1.8	1.5	1.2	1.0	0.8	0.7
<b>60</b>	43.3	14.8	3.8	1.8	1.5	1.2	1.0	0.9	0.7
<b>65</b>	44.7	15.2	4.0	1.9	1.5	1.2	1.0	0.9	0.7
<b>70</b>	46.1	15.7	4.1	1.9	1.5	1.2	1.0	0.8	0.7
<b>75</b>	47.7	16.1	4.3	1.9	1.5	1.3	1.0	0.8	0.7
<b>80</b>	49.4	16.7	4.4	1.9	1.5	1.3	1.0	0.9	0.7
<b>85</b>	51.1	17.2	4.5	1.9	1.5	1.3	1.0	0.9	0.7
<b>90</b>	53.0	17.7	4.7	1.9	1.5	1.2	1.0	0.9	0.7
<b>95</b>	54.8	18.3	4.9	1.9	1.5	1.3	1.0	0.9	0.7
<b>100</b>	56.9	18.9	5.1	2.0	1.6	1.3	1.0	0.9	0.7

**Photometric Data Table [Unit:cd] SFR8-40-840-HC**

105	58.9	19.6	5.3	2.0	1.6	1.3	1.0	0.9	0.7
110	61.2	20.3	5.6	2.0	1.6	1.3	1.1	0.9	0.7
115	63.4	21.1	5.8	2.0	1.6	1.3	1.1	0.9	0.7
120	65.8	21.9	6.2	2.1	1.7	1.3	1.1	0.9	0.7
125	68.3	22.6	6.5	2.1	1.7	1.4	1.1	0.9	0.7
130	70.6	23.4	6.9	2.2	1.7	1.4	1.2	1.0	0.7
135	73.0	24.3	7.3	2.2	1.8	1.4	1.2	0.9	0.7
140	75.2	25.1	7.6	2.3	1.8	1.4	1.2	0.9	0.7
145	77.4	25.8	8.0	2.4	1.9	1.5	1.2	0.9	0.7
150	79.4	26.6	8.4	2.4	1.9	1.5	1.2	0.9	0.7
155	81.1	27.1	8.7	2.4	1.9	1.5	1.2	1.0	0.7
160	82.7	27.6	8.9	2.4	1.9	1.5	1.2	1.0	0.7
165	83.7	27.8	9.1	2.4	1.9	1.5	1.2	1.0	0.8
170	84.7	28.1	9.3	2.4	1.9	1.5	1.2	1.0	0.8
175	85.0	28.2	9.3	2.3	1.8	1.5	1.2	1.0	0.8
180	85.2	28.2	9.3	2.3	1.8	1.5	1.2	0.9	0.8
185	85.0	28.1	9.3	2.2	1.8	1.4	1.2	1.0	0.8
190	84.6	28.0	9.2	2.2	1.7	1.4	1.1	0.9	0.8
195	83.7	27.7	9.1	2.1	1.7	1.4	1.1	0.9	0.8
200	82.7	27.4	9.0	2.1	1.6	1.3	1.1	0.9	0.8
205	81.3	27.1	8.8	2.0	1.6	1.3	1.1	0.9	0.8
210	79.8	26.6	8.6	2.0	1.6	1.3	1.1	0.9	0.8
215	78.2	26.1	8.4	1.9	1.5	1.3	1.0	0.9	0.8
220	76.3	25.6	8.1	1.9	1.5	1.2	1.0	0.9	0.7
225	74.5	25.0	7.8	1.9	1.5	1.2	1.0	0.9	0.7
230	72.4	24.5	7.6	1.9	1.5	1.2	1.0	0.9	0.8
235	70.5	23.9	7.3	1.9	1.5	1.2	1.0	0.9	0.8
240	68.4	23.3	7.0	1.8	1.5	1.2	1.0	0.9	0.7
245	66.3	22.6	6.6	1.8	1.5	1.2	1.0	0.9	0.8
250	64.3	22.0	6.3	1.8	1.5	1.2	1.0	0.9	0.8
255	62.1	21.3	6.0	1.8	1.5	1.2	1.0	0.9	0.7
260	60.1	20.6	5.7	1.8	1.5	1.2	1.0	0.8	0.7
265	57.9	19.9	5.5	1.8	1.5	1.2	1.0	0.9	0.7
270	55.9	19.2	5.3	1.8	1.5	1.2	1.0	0.9	0.7
275	54.0	18.5	5.1	1.9	1.5	1.2	1.0	0.9	0.7
280	52.2	17.9	5.0	1.8	1.5	1.2	1.0	0.9	0.7
285	50.4	17.3	4.8	1.9	1.5	1.2	1.0	0.9	0.7
290	48.7	16.8	4.7	1.9	1.5	1.2	1.0	0.9	0.7
295	47.3	16.4	4.6	1.9	1.5	1.2	1.0	0.8	0.7
300	46.0	16.0	4.6	2.0	1.5	1.3	1.0	0.9	0.7
305	44.7	15.6	4.5	2.0	1.6	1.3	1.0	0.9	0.7
310	43.6	15.3	4.4	2.0	1.6	1.3	1.1	0.9	0.7
315	42.8	15.0	4.3	2.1	1.7	1.4	1.1	0.9	0.7
320	41.9	14.8	4.2	2.1	1.7	1.4	1.1	0.9	0.7
325	41.3	14.6	4.0	2.2	1.7	1.4	1.1	0.9	0.7
330	40.6	14.5	3.8	2.2	1.8	1.4	1.1	0.9	0.7
335	40.1	14.3	3.6	2.2	1.8	1.4	1.1	0.9	0.7
340	39.6	14.1	3.4	2.2	1.8	1.4	1.1	0.9	0.7
345	39.1	13.9	3.2	2.2	1.8	1.4	1.1	0.9	0.7

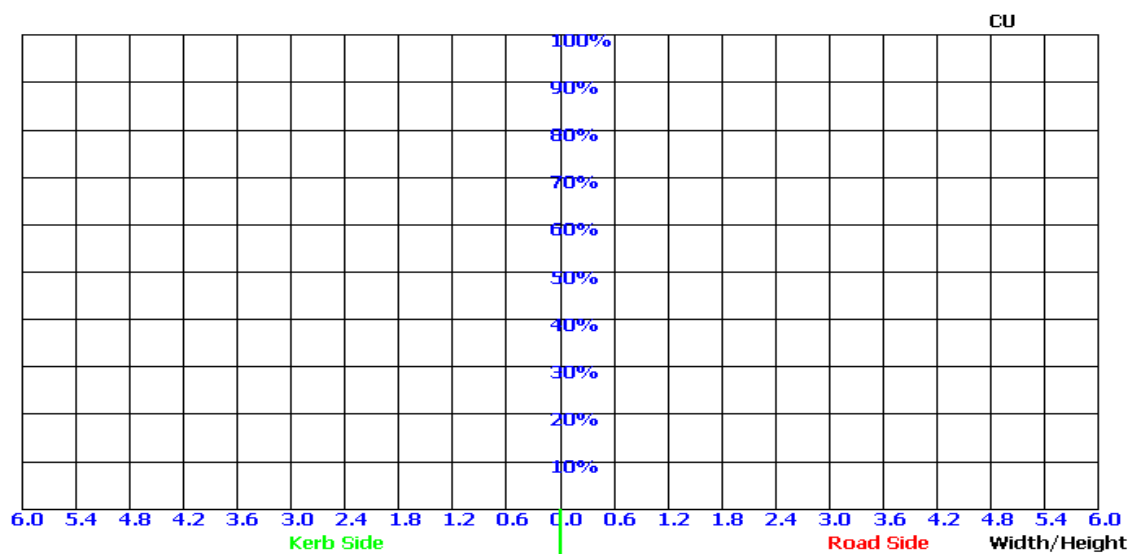
**Photometric Data Table [Unit:cd] SFR8-40-840-HC**

<b>350</b>	38.7	13.7	3.1	2.2	1.7	1.4	1.1	0.9	0.7
<b>355</b>	38.3	13.5	3.0	2.1	1.7	1.4	1.1	0.8	0.7
<b>360</b>	38.0	13.3	2.9	2.1	1.7	1.3	1.1	0.9	0.7

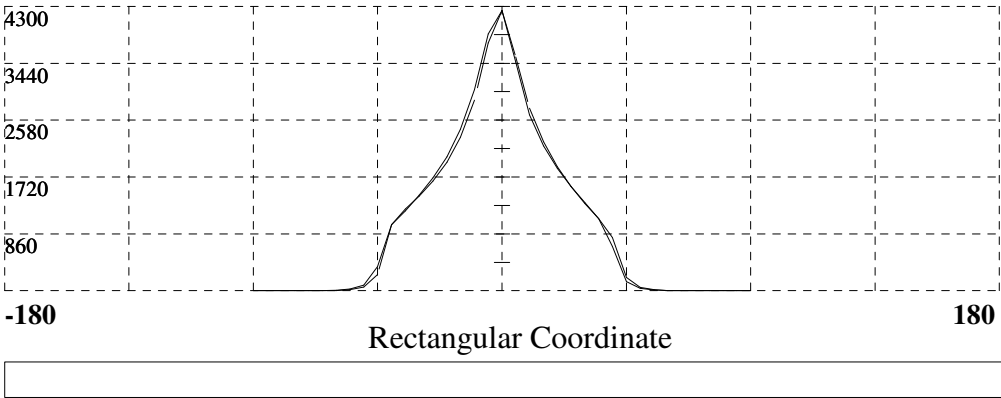
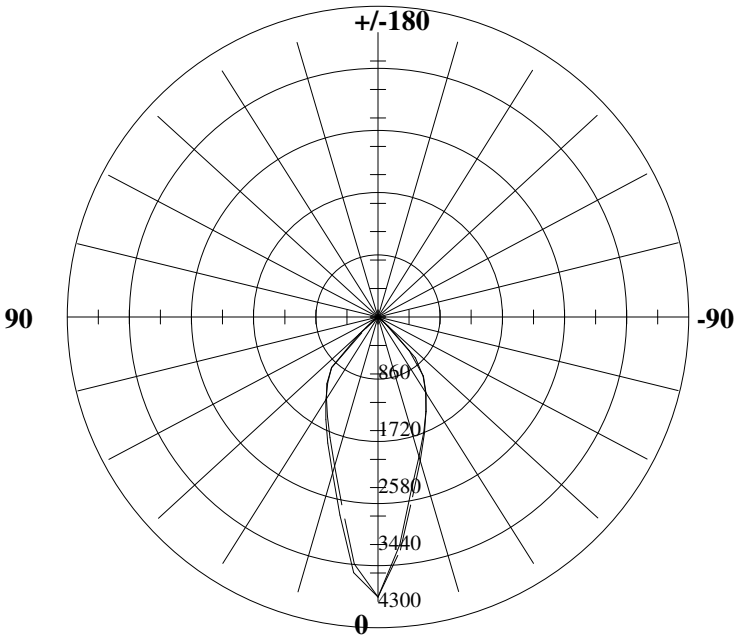
**Zonal FluxSFR8-40-840-HC**

<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>	4234.77	0.00	0.00	0.00	0.00
<b>5</b>	3652.01	94.28	94.28	-9428.43	-9428.43
<b>10</b>	2830.91	231.91	326.20	-23191.44	-32619.87
<b>15</b>	2295.93	304.12	630.32	-30412.05	-63031.92
<b>20</b>	1920.72	347.51	977.83	-34751.11	-97783.04
<b>25</b>	1627.99	372.19	1350.02	-37219.47	-135002.44
<b>30</b>	1379.37	380.58	1730.61	-38058.43	-173060.91
<b>35</b>	1155.27	373.24	2103.85	-37324.32	-210385.21
<b>40</b>	866.59	337.33	2441.18	-33733.16	-244118.33
<b>45</b>	236.26	204.20	2645.39	-20420.28	-264538.65
<b>50</b>	57.80	59.42	2704.81	-5942.02	-270480.59
<b>55</b>	19.57	16.82	2721.63	-1682.20	-272162.79
<b>60</b>	5.59	5.81	2727.44	-581.48	-272744.29
<b>65</b>	2.03	1.85	2729.29	-185.15	-272929.39
<b>70</b>	1.62	0.92	2730.22	-92.18	-273021.56
<b>75</b>	1.32	0.77	2730.98	-76.68	-273098.12
<b>80</b>	1.07	0.64	2731.62	-64.02	-273162.21
<b>85</b>	0.88	0.53	2732.15	-53.13	-273215.33
<b>90</b>	0.73	0.44	2732.59	-44.16	-273259.38

**ILSUNG**  
**Coefficient Utilization Curve SFR8-40-840-HC**

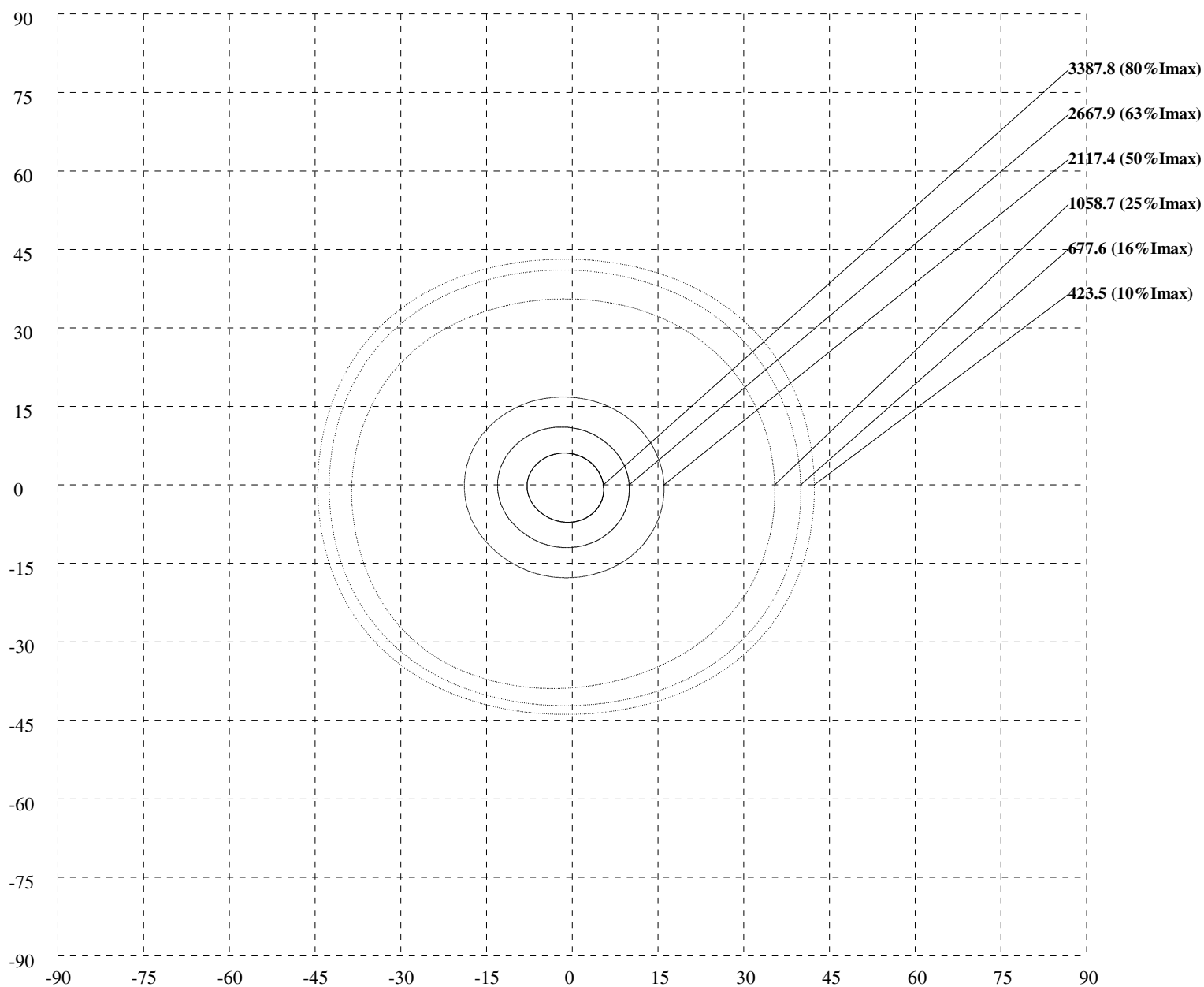


Light Distribution Curve[Unit: cd]

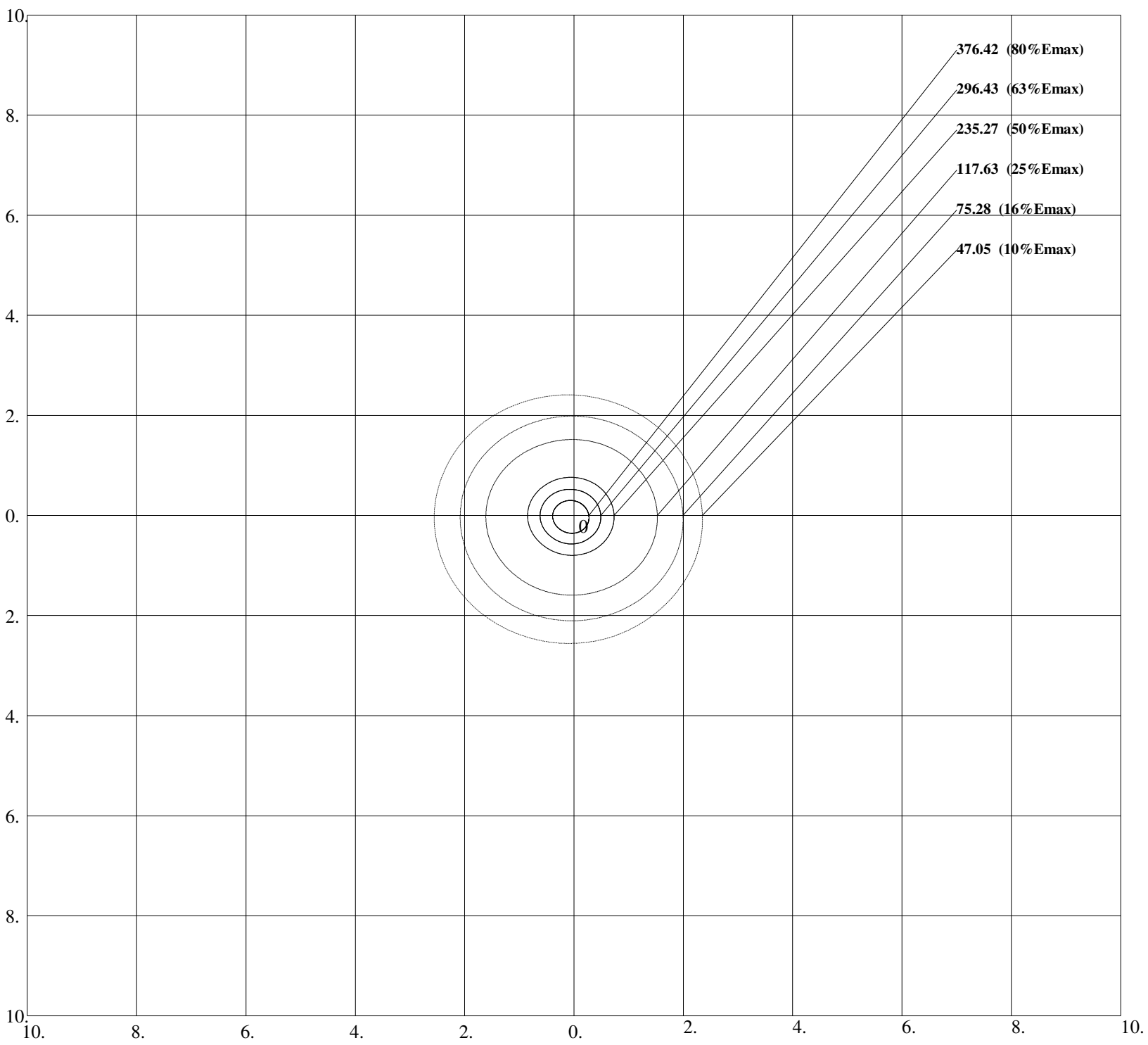




**ISO-Candela V-H [Unit :cd]SFR8-40-840-HC**



Iso-Lux [Unit :lx]SFR8-40-840-HC



Units: lx  
Height: 3 m  
Max Illuminance : 470.53lx

**ILSUNG**  
**Lux-Distance Curve**

