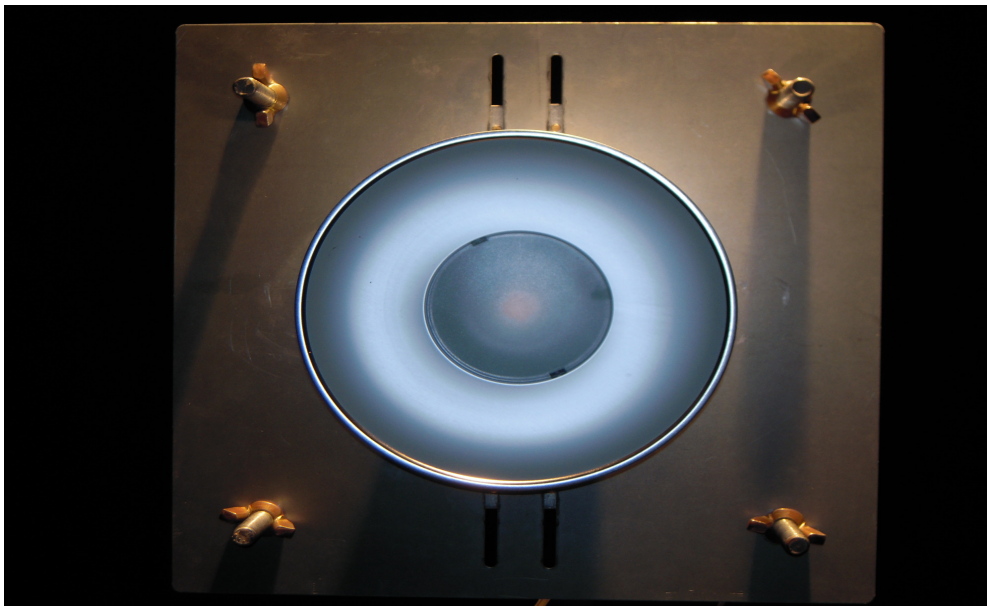


## Test Report of Luminaire

**Report No.:**

Luminaire Type	SFK8-20-840-HC		
Lamp Type	LED_DOB		
Client		EUT NO.	CCT: 3929K, CRI: 82.9Ra
<b>Luminaire Parameters:</b>			
Voltage	120.0	Current	0.164
Power:	19.4	Power Factor	0.985
Frequency:	60Hz	Tc	4000K
<b>Photometric Parameters</b>			
Luminaire Flux	1400.80 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	2169.984cd	Central Intensity	2169.984cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	-0.01%		
Downward Flux Ratio	-140079.8%		
50%Imax Beam Width	C0_180[ 16.8 ,-17.4] C90_270[ 17.0 ,-17.2]		
Remark			

### Luminaire Figure



**Photometric Data Table [Unit:cd] SFK8-20-840-HC**

C\G	0	5	10	15	20	25	30	35	40	45
0	2170.0	1829.2	1404.9	1150.6	968.0	821.1	689.6	583.5	439.3	99.2
5	2170.0	1828.5	1403.3	1149.6	967.7	819.5	687.3	581.8	438.3	99.5
10	2170.0	1827.2	1402.9	1148.6	965.7	818.1	685.9	580.5	437.3	99.8
15	2170.0	1826.5	1403.3	1147.9	964.3	817.8	686.3	581.1	436.6	100.4
20	2170.0	1826.5	1404.9	1147.9	964.3	819.1	688.3	582.1	436.6	101.1
25	2170.0	1827.5	1406.3	1148.2	964.0	819.8	692.0	583.8	437.9	102.0
30	2170.0	1827.8	1407.6	1147.9	964.0	820.8	694.6	586.8	438.9	102.8
35	2170.0	1828.9	1409.3	1147.2	963.7	823.5	698.3	589.5	440.6	103.9
40	2170.0	1830.9	1410.9	1147.2	964.3	824.8	701.0	591.1	442.3	104.9
45	2170.0	1832.2	1413.9	1148.6	965.7	825.8	703.3	592.1	444.6	106.2
50	2170.0	1833.9	1417.0	1150.3	966.0	826.8	705.0	594.5	446.3	107.6
55	2170.0	1836.5	1419.6	1152.3	965.7	826.8	706.3	594.2	449.3	108.8
60	2170.0	1839.9	1421.6	1154.3	965.7	827.8	707.0	595.5	451.6	110.3
65	2170.0	1842.5	1424.6	1156.6	966.7	826.8	708.3	596.2	454.6	111.7
70	2170.0	1845.5	1427.6	1157.9	967.7	827.1	707.6	596.8	456.3	113.1
75	2170.0	1848.9	1430.3	1158.9	968.0	828.1	708.6	596.5	458.0	114.5
80	2170.0	1852.9	1434.3	1159.6	969.0	828.8	708.6	597.5	460.3	115.9
85	2170.0	1856.2	1437.6	1161.6	969.7	828.1	708.3	596.8	461.0	117.4
90	2170.0	1860.2	1441.3	1163.6	970.7	828.1	708.3	597.5	462.0	118.7
95	2170.0	1864.6	1445.3	1165.9	972.0	829.1	707.6	597.5	462.3	120.3
100	2170.0	1867.6	1449.0	1168.9	973.0	829.1	708.3	598.5	464.0	121.8
105	2170.0	1871.6	1453.0	1171.9	974.3	829.8	708.3	598.2	464.6	124.1
110	2170.0	1874.9	1456.7	1173.9	975.3	830.5	709.0	598.8	466.6	126.1
115	2170.0	1878.9	1461.0	1176.3	976.3	830.8	709.6	599.2	467.0	128.2
120	2170.0	1882.3	1465.0	1178.6	978.3	831.8	710.3	598.2	467.3	130.5
125	2170.0	1884.9	1468.7	1181.0	980.0	832.1	710.6	598.2	467.0	132.7
130	2170.0	1888.9	1471.0	1183.6	981.7	832.8	710.6	597.8	465.6	135.3
135	2170.0	1892.3	1472.7	1187.0	983.7	833.1	710.6	597.2	464.6	137.4
140	2170.0	1895.3	1474.7	1188.6	985.4	832.8	710.3	595.8	463.3	139.3
145	2170.0	1898.3	1475.7	1190.3	987.0	834.1	709.6	593.5	461.6	141.2
150	2170.0	1900.3	1475.7	1191.6	987.4	834.1	708.3	591.5	459.3	142.9
155	2170.0	1901.6	1475.7	1191.6	988.7	834.8	706.6	588.8	457.6	143.8
160	2170.0	1902.0	1473.7	1190.6	989.0	834.8	705.0	586.1	455.3	144.6
165	2170.0	1901.3	1471.0	1188.3	989.4	834.5	702.3	582.5	452.6	144.9
170	2170.0	1900.3	1467.7	1186.3	987.4	833.5	700.3	579.8	450.0	144.9
175	2170.0	1898.3	1463.7	1184.0	985.7	832.1	697.0	576.1	447.3	144.9
180	2170.0	1895.6	1459.7	1179.6	983.0	828.8	695.3	574.1	445.6	144.1
185	2170.0	1893.3	1455.0	1176.0	979.7	828.8	693.6	573.8	444.9	143.6
190	2170.0	1890.3	1451.3	1173.3	978.0	827.5	695.0	574.5	445.6	142.6
195	2170.0	1887.3	1447.7	1171.6	977.0	827.1	696.6	576.8	447.6	141.5
200	2170.0	1884.3	1445.3	1170.3	976.7	828.8	699.3	580.8	451.0	140.3
205	2170.0	1881.9	1444.0	1168.6	976.0	829.5	702.6	585.1	454.3	138.8
210	2170.0	1879.9	1443.3	1167.6	976.3	830.8	705.6	590.1	458.3	137.5
215	2170.0	1878.3	1442.0	1167.3	976.3	832.1	708.3	594.2	460.6	135.7
220	2170.0	1876.2	1442.3	1167.9	975.7	833.1	711.3	598.2	463.3	134.0
225	2170.0	1874.9	1442.7	1167.9	976.3	834.1	714.0	601.2	465.6	132.4
230	2170.0	1873.9	1442.3	1168.3	976.0	834.8	715.3	603.5	467.3	130.5
235	2170.0	1872.2	1442.7	1168.6	976.0	834.1	715.7	605.2	468.0	128.8

**Photometric Data Table [Unit:cd] SFK8-20-840-HC**

<b>240</b>	2170.0	1871.9	1442.7	1167.9	976.3	834.1	716.3	605.8	468.3	126.8
<b>245</b>	2170.0	1870.6	1442.7	1167.6	976.3	834.5	717.3	606.8	469.6	124.8
<b>250</b>	2170.0	1869.6	1443.0	1167.6	976.3	835.1	717.0	607.5	470.0	122.8
<b>255</b>	2170.0	1868.6	1442.3	1167.6	977.0	836.5	717.7	608.5	471.0	120.8
<b>260</b>	2170.0	1867.9	1443.0	1167.3	978.7	837.8	718.7	610.5	471.3	119.0
<b>265</b>	2170.0	1867.6	1443.0	1167.6	980.0	839.2	719.0	610.5	470.3	117.0
<b>270</b>	2170.0	1866.9	1443.0	1167.9	981.0	839.8	718.7	610.8	469.6	115.3
<b>275</b>	2170.0	1865.9	1442.7	1168.6	981.7	840.2	719.3	610.8	468.3	113.5
<b>280</b>	2170.0	1864.6	1441.7	1168.9	982.0	841.5	720.0	612.8	469.0	111.9
<b>285</b>	2170.0	1861.9	1439.6	1166.9	980.7	841.2	720.0	613.2	468.3	110.3
<b>290</b>	2170.0	1859.9	1437.6	1164.6	978.7	839.8	720.3	614.5	469.3	109.0
<b>295</b>	2170.0	1857.2	1435.3	1162.3	977.0	840.2	720.7	615.2	469.0	107.6
<b>300</b>	2170.0	1855.2	1432.6	1161.6	975.3	839.2	719.7	616.5	468.0	106.6
<b>305</b>	2170.0	1852.6	1430.3	1161.3	974.0	837.2	719.7	614.2	467.0	105.4
<b>310</b>	2170.0	1849.5	1428.3	1159.3	971.3	836.8	718.0	614.5	464.0	104.5
<b>315</b>	2170.0	1846.5	1426.3	1158.6	970.7	836.5	716.7	612.2	463.0	103.5
<b>320</b>	2170.0	1844.5	1424.3	1156.6	970.3	835.1	716.3	610.5	458.3	102.6
<b>325</b>	2170.0	1841.9	1423.0	1154.6	970.3	834.8	714.3	608.2	456.0	101.9
<b>330</b>	2170.0	1839.2	1420.6	1153.6	970.0	833.8	711.0	604.5	452.6	101.2
<b>335</b>	2170.0	1837.2	1418.6	1152.6	970.0	832.5	707.6	600.8	449.6	100.6
<b>340</b>	2170.0	1835.2	1416.3	1152.6	970.7	831.5	705.3	597.2	447.6	99.9
<b>345</b>	2170.0	1833.5	1413.3	1152.9	971.0	829.8	701.6	593.8	445.6	99.3
<b>350</b>	2170.0	1831.9	1410.6	1152.6	970.7	826.1	696.6	590.5	443.6	99.1
<b>355</b>	2170.0	1831.2	1407.6	1152.3	969.3	824.1	693.0	587.1	441.3	98.9
<b>360</b>	2170.0	1829.2	1404.9	1150.6	968.0	821.1	689.6	583.5	439.3	99.2

<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>	25.2	9.4	2.8	1.4	1.2	1.0	0.9	0.8	0.7
<b>5</b>	25.2	9.4	2.8	1.4	1.2	1.0	0.9	0.8	0.7
<b>10</b>	25.2	9.4	2.8	1.3	1.2	1.0	0.9	0.8	0.7
<b>15</b>	25.3	9.4	2.8	1.3	1.2	1.0	0.9	0.8	0.7
<b>20</b>	25.4	9.4	2.8	1.3	1.1	1.0	0.9	0.8	0.7
<b>25</b>	25.7	9.3	2.7	1.3	1.1	1.0	0.9	0.8	0.7
<b>30</b>	25.8	9.4	2.8	1.3	1.1	1.0	0.9	0.8	0.7
<b>35</b>	26.1	9.4	2.8	1.3	1.1	1.0	0.9	0.8	0.7
<b>40</b>	26.4	9.5	2.8	1.3	1.1	1.0	0.9	0.8	0.7
<b>45</b>	26.7	9.5	2.8	1.3	1.1	1.0	0.9	0.8	0.7
<b>50</b>	27.0	9.5	2.9	1.3	1.1	1.0	0.9	0.8	0.7
<b>55</b>	27.3	9.6	2.9	1.4	1.1	1.0	0.9	0.8	0.7
<b>60</b>	27.7	9.7	2.9	1.3	1.2	1.0	0.9	0.8	0.7
<b>65</b>	28.0	9.7	2.9	1.3	1.2	1.0	0.9	0.8	0.7
<b>70</b>	28.3	9.8	3.0	1.4	1.2	1.0	0.9	0.8	0.7
<b>75</b>	28.6	9.9	3.0	1.4	1.2	1.0	0.9	0.8	0.7
<b>80</b>	28.9	9.9	3.0	1.4	1.2	1.0	0.9	0.8	0.7
<b>85</b>	29.3	10.0	3.0	1.4	1.2	1.0	0.9	0.8	0.7
<b>90</b>	29.6	10.1	3.1	1.4	1.2	1.0	0.9	0.8	0.7
<b>95</b>	30.0	10.2	3.1	1.4	1.2	1.0	0.9	0.8	0.7
<b>100</b>	30.3	10.3	3.2	1.5	1.2	1.0	0.9	0.8	0.7

**Photometric Data Table [Unit:cd] SFK8-20-840-HC**

105	30.8	10.5	3.3	1.5	1.3	1.1	0.9	0.8	0.7
110	31.2	10.6	3.3	1.5	1.2	1.1	0.9	0.8	0.7
115	31.6	10.7	3.4	1.5	1.3	1.1	1.0	0.8	0.7
120	32.0	10.9	3.5	1.6	1.3	1.1	1.0	0.8	0.7
125	32.3	11.0	3.6	1.6	1.3	1.1	1.0	0.8	0.7
130	32.6	11.1	3.7	1.6	1.4	1.2	1.0	0.8	0.7
135	32.9	11.2	3.7	1.7	1.4	1.2	1.0	0.8	0.7
140	33.1	11.3	3.8	1.7	1.4	1.2	1.0	0.8	0.7
145	33.3	11.4	3.8	1.7	1.4	1.2	1.0	0.8	0.7
150	33.4	11.4	3.8	1.7	1.4	1.2	1.0	0.8	0.7
155	33.3	11.4	3.8	1.7	1.4	1.2	1.0	0.8	0.7
160	33.3	11.3	3.7	1.6	1.4	1.2	1.0	0.8	0.7
165	33.2	11.3	3.7	1.6	1.3	1.1	1.0	0.8	0.7
170	33.1	11.2	3.6	1.6	1.3	1.1	1.0	0.8	0.7
175	32.9	11.1	3.6	1.5	1.3	1.1	0.9	0.8	0.7
180	32.6	11.0	3.5	1.5	1.3	1.1	0.9	0.8	0.7
185	32.3	10.9	3.5	1.5	1.3	1.1	0.9	0.8	0.7
190	32.0	10.7	3.4	1.5	1.3	1.1	0.9	0.8	0.7
195	31.7	10.6	3.4	1.5	1.2	1.1	0.9	0.8	0.7
200	31.3	10.5	3.3	1.5	1.2	1.1	0.9	0.8	0.7
205	31.0	10.3	3.3	1.5	1.2	1.0	0.9	0.8	0.7
210	30.6	10.2	3.2	1.5	1.2	1.0	0.9	0.8	0.7
215	30.3	10.1	3.2	1.5	1.2	1.1	0.9	0.8	0.7
220	30.0	10.0	3.2	1.4	1.2	1.0	0.9	0.8	0.7
225	29.7	9.9	3.1	1.4	1.2	1.0	0.9	0.8	0.7
230	29.4	9.8	3.1	1.4	1.2	1.0	0.9	0.8	0.7
235	29.1	9.7	3.1	1.4	1.2	1.0	0.9	0.8	0.7
240	28.8	9.7	3.0	1.4	1.2	1.0	0.9	0.8	0.7
245	28.5	9.6	3.0	1.4	1.2	1.0	0.9	0.8	0.7
250	28.3	9.6	3.0	1.4	1.2	1.0	0.9	0.8	0.7
255	28.0	9.5	2.9	1.4	1.2	1.0	0.9	0.8	0.7
260	27.8	9.5	2.9	1.4	1.2	1.0	0.9	0.8	0.7
265	27.5	9.4	2.9	1.4	1.2	1.0	0.9	0.8	0.7
270	27.3	9.4	2.9	1.4	1.2	1.0	0.9	0.8	0.7
275	27.2	9.4	2.9	1.4	1.2	1.0	0.9	0.8	0.7
280	27.0	9.4	2.9	1.4	1.2	1.0	0.9	0.8	0.7
285	26.8	9.4	2.9	1.5	1.2	1.0	0.9	0.8	0.7
290	26.6	9.4	3.0	1.5	1.2	1.0	0.9	0.8	0.7
295	26.5	9.5	3.0	1.5	1.2	1.1	0.9	0.8	0.7
300	26.4	9.5	3.0	1.5	1.2	1.1	0.9	0.8	0.7
305	26.3	9.5	3.0	1.5	1.3	1.1	0.9	0.8	0.7
310	26.2	9.6	3.0	1.5	1.3	1.1	0.9	0.8	0.7
315	26.1	9.6	3.0	1.5	1.3	1.1	0.9	0.8	0.7
320	26.0	9.7	3.0	1.5	1.3	1.1	0.9	0.8	0.7
325	25.9	9.7	3.0	1.5	1.3	1.1	0.9	0.8	0.7
330	25.7	9.7	3.0	1.5	1.3	1.1	0.9	0.8	0.7
335	25.6	9.6	3.0	1.5	1.3	1.1	0.9	0.8	0.7
340	25.5	9.6	2.9	1.5	1.3	1.0	0.9	0.8	0.7
345	25.3	9.5	2.9	1.5	1.2	1.0	0.9	0.8	0.7

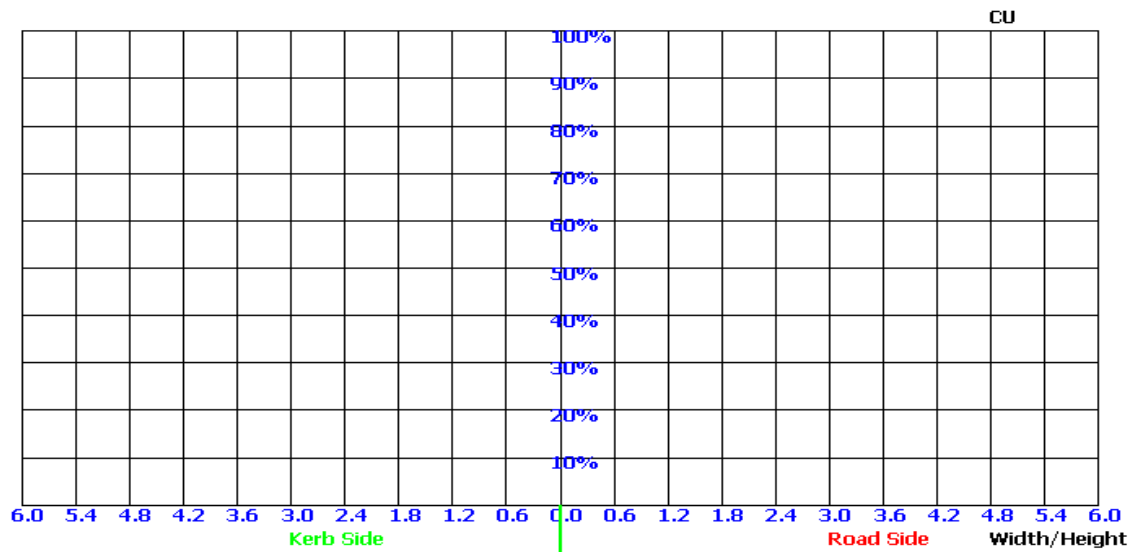
**Photometric Data Table [Unit:cd] SFK8-20-840-HC**

<b>350</b>	25.2	9.5	2.8	1.4	1.2	1.0	0.9	0.8	0.7
<b>355</b>	25.2	9.4	2.8	1.4	1.2	1.0	0.9	0.8	0.7
<b>360</b>	25.2	9.4	2.8	1.4	1.2	1.0	0.9	0.8	0.7

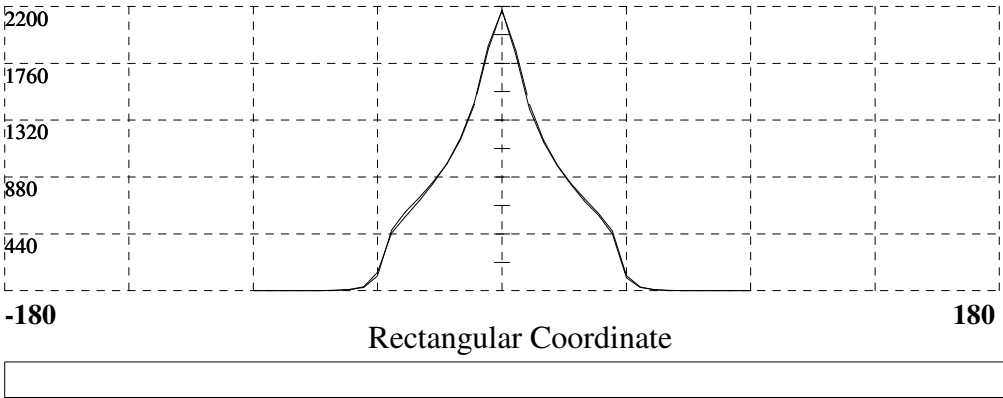
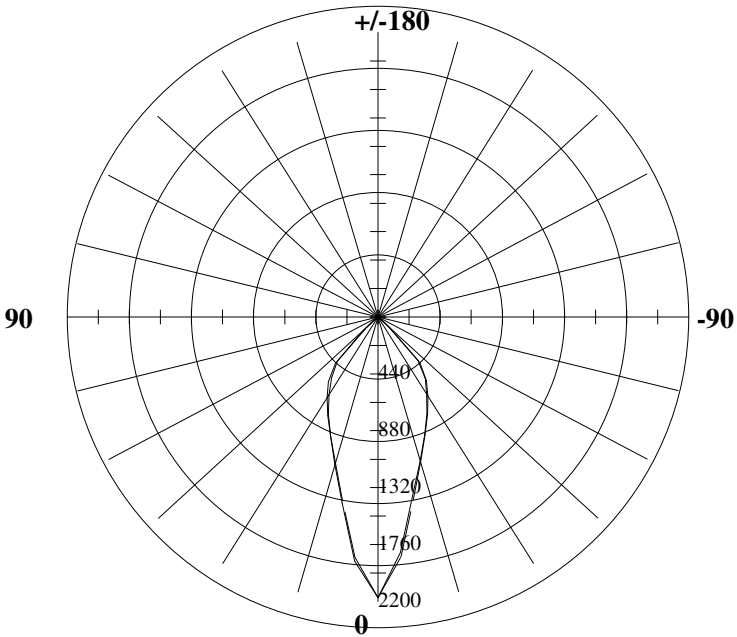
**Zonal FluxSFK8-20-840-HC**

<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>	2169.98	0.00	0.00	0.00	0.00
<b>5</b>	1862.28	48.20	48.20	-4820.46	-4820.46
<b>10</b>	1438.17	118.07	166.27	-11806.74	-16627.20
<b>15</b>	1165.53	154.45	320.72	-15444.95	-32072.14
<b>20</b>	974.75	176.39	497.11	-17638.87	-49711.03
<b>25</b>	831.06	189.40	686.51	-18939.57	-68650.59
<b>30</b>	707.17	194.66	881.17	-19466.41	-88117.02
<b>35</b>	596.25	191.94	1073.11	-19193.77	-107310.79
<b>40</b>	456.81	175.70	1248.80	-17569.53	-124880.31
<b>45</b>	119.62	106.73	1355.54	-10673.23	-135553.49
<b>50</b>	28.77	29.99	1385.52	-2998.58	-138552.01
<b>55</b>	10.04	8.44	1393.96	-843.82	-139395.84
<b>60</b>	3.13	3.04	1397.00	-304.38	-139700.27
<b>65</b>	1.47	1.12	1398.12	-111.78	-139812.04
<b>70</b>	1.24	0.68	1398.80	-68.39	-139880.41
<b>75</b>	1.06	0.60	1399.40	-59.90	-139940.34
<b>80</b>	0.92	0.53	1399.93	-52.76	-139993.01
<b>85</b>	0.79	0.46	1400.40	-46.47	-140039.59
<b>90</b>	0.67	0.40	1400.80	-40.18	-140079.81

**ILSUNG**  
**Coefficient Utilization Curve SFK8-20-840-HC**

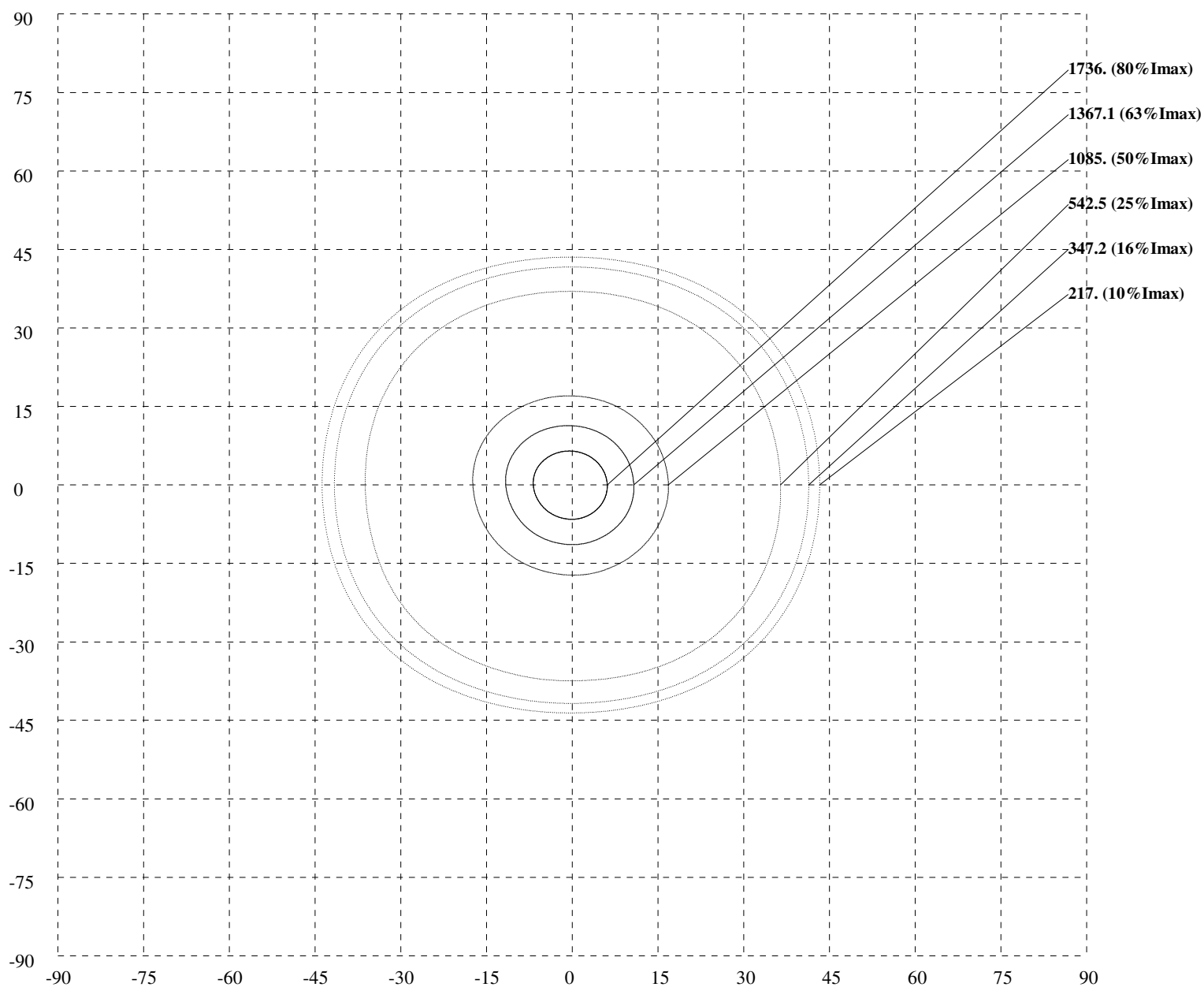


Light Distribution Curve[Unit: cd]

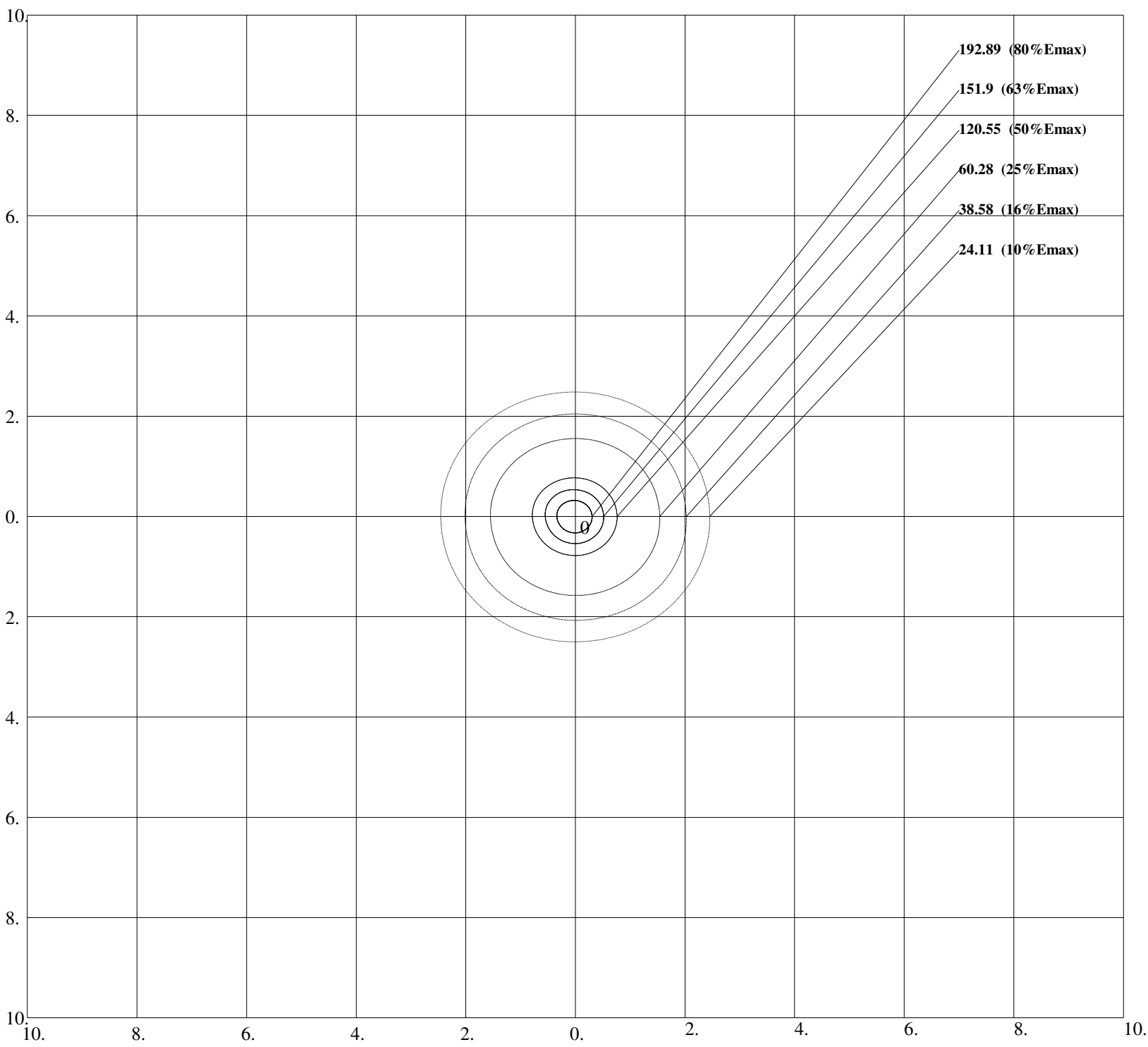




**ISO-Candela V-H [Unit :cd]SFK8-20-840-HC**



Iso-Lux [Unit :lx]SFK8-20-840-HC



Units: lx  
Height: 3 m  
Max Illuminance : 241.11lx

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

