

Test Report of Luminaire

Report No.:

Luminaire Type	8116HIC-20		
Lamp Type	LED_CXA 2520		
Client		EUT NO.	CCT: 3035K, CRI: 83.0Ra
Luminaire Parameters:			
Voltage	120.0	Current	0.173
Power:	20.7	Power Factor	0.996
Frequency:	60Hz	Tc	3000K
Photometric Parameters			
Luminaire Flux	2031.87 lm	Luminaire Eff.	Data imperfect...!
Max Intensity	2333.532cd	Central Intensity	2333.532cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	-203187.0%		
50%Imax Beam Width	C0_180[27.0 , -28.5] C90_270[27.9 , -27.8]		
Remark			

Luminaire Figure



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Photometric Data Table [Unit:cd] 8116HIC-20

C\G	0	5	10	15	20	25	30	35	40	45
0	2333.5	2219.7	1996.1	1745.7	1471.0	1257.1	1032.1	781.7	522.4	132.4
5	2333.5	2213.0	1996.1	1749.1	1469.0	1254.7	1030.8	784.1	524.1	133.7
10	2333.5	2216.4	1996.1	1745.7	1471.7	1254.4	1031.4	785.7	528.1	134.2
15	2333.5	2216.4	1996.1	1745.7	1469.7	1255.1	1032.1	787.1	530.7	136.2
20	2333.5	2213.0	1992.7	1745.7	1468.0	1254.1	1035.1	790.1	534.4	139.1
25	2333.5	2216.4	1992.7	1745.7	1468.7	1257.4	1039.4	794.4	542.7	143.7
30	2333.5	2213.0	1992.7	1745.7	1470.4	1260.7	1038.4	796.1	545.1	146.3
35	2333.5	2213.0	1996.1	1745.7	1471.0	1260.7	1038.4	799.1	550.4	149.6
40	2333.5	2216.4	1996.1	1749.1	1471.0	1263.1	1041.8	805.8	556.1	153.4
45	2333.5	2216.4	1999.4	1752.4	1474.0	1264.1	1046.1	808.8	561.8	156.4
50	2333.5	2219.7	2002.8	1755.8	1478.0	1267.7	1049.8	811.1	567.1	160.7
55	2333.5	2216.4	2006.1	1762.4	1481.0	1268.4	1050.8	814.5	572.1	162.7
60	2333.5	2223.1	2009.4	1759.1	1483.4	1270.7	1053.1	817.1	575.5	165.5
65	2333.5	2226.4	2012.8	1765.8	1486.7	1275.1	1055.8	820.5	580.1	168.1
70	2333.5	2233.1	2019.4	1765.8	1492.4	1277.4	1060.5	822.1	582.1	169.7
75	2333.5	2233.1	2026.1	1775.8	1494.7	1281.8	1063.5	825.5	584.5	170.9
80	2333.5	2239.8	2032.8	1782.5	1499.1	1286.1	1064.8	828.1	586.1	172.5
85	2333.5	2246.4	2042.8	1782.5	1502.7	1288.1	1069.5	828.1	589.1	174.8
90	2333.5	2246.4	2046.2	1792.5	1506.4	1291.4	1074.8	827.8	591.8	179.0
95	2333.5	2249.8	2052.8	1795.8	1511.4	1294.4	1078.5	830.1	596.2	182.8
100	2333.5	2253.1	2056.2	1802.5	1515.1	1299.5	1082.2	832.5	597.8	187.0
105	2333.5	2259.8	2059.5	1805.8	1519.1	1301.1	1081.8	837.8	603.2	191.9
110	2333.5	2263.1	2062.8	1812.5	1522.4	1303.8	1082.5	842.2	609.5	196.4
115	2333.5	2266.5	2069.5	1819.2	1527.1	1307.5	1085.5	844.8	612.8	201.2
120	2333.5	2269.8	2072.9	1822.5	1533.1	1309.1	1086.5	845.5	615.5	206.9
125	2333.5	2273.1	2076.2	1825.8	1536.4	1311.5	1089.2	845.5	620.2	211.4
130	2333.5	2276.5	2079.5	1829.2	1539.5	1313.5	1092.2	850.2	623.5	213.4
135	2333.5	2276.5	2082.9	1832.5	1539.8	1315.5	1092.8	853.2	625.5	216.6
140	2333.5	2276.5	2082.9	1835.9	1540.8	1318.1	1095.8	852.5	624.5	220.2
145	2333.5	2276.5	2089.5	1835.9	1543.8	1317.8	1097.2	853.8	624.9	223.0
150	2333.5	2279.8	2086.2	1839.2	1544.5	1319.5	1097.8	855.5	625.2	222.9
155	2333.5	2279.8	2089.5	1839.2	1545.8	1321.2	1098.5	855.8	626.9	222.5
160	2333.5	2279.8	2086.2	1839.2	1545.1	1321.8	1099.2	857.2	628.2	223.0
165	2333.5	2279.8	2086.2	1835.9	1546.5	1323.8	1100.8	856.8	627.9	222.3
170	2333.5	2276.5	2086.2	1835.9	1546.5	1325.8	1097.5	856.5	627.5	221.0
175	2333.5	2279.8	2086.2	1835.9	1548.1	1326.5	1097.2	855.5	624.5	217.5
180	2333.5	2276.5	2086.2	1835.9	1547.1	1324.2	1099.5	857.2	625.2	215.5
185	2333.5	2279.8	2086.2	1832.5	1544.5	1322.5	1099.2	857.2	623.9	212.5
190	2333.5	2276.5	2089.5	1835.9	1539.5	1323.2	1097.8	856.8	622.5	208.5
195	2333.5	2279.8	2086.2	1835.9	1539.1	1320.8	1097.2	854.5	620.5	204.8
200	2333.5	2276.5	2086.2	1829.2	1538.1	1319.5	1094.8	852.2	617.9	202.2
205	2333.5	2273.1	2082.9	1832.5	1537.8	1320.2	1093.5	850.8	615.8	198.0
210	2333.5	2273.1	2086.2	1825.8	1535.4	1315.1	1093.8	848.2	612.8	193.9
215	2333.5	2273.1	2079.5	1822.5	1531.1	1311.8	1093.2	847.2	609.5	187.4
220	2333.5	2269.8	2076.2	1822.5	1530.1	1308.5	1089.5	842.5	606.8	182.4
225	2333.5	2269.8	2076.2	1819.2	1526.1	1307.5	1087.2	841.2	603.2	176.8
230	2333.5	2266.5	2072.9	1819.2	1524.4	1304.8	1082.8	838.5	600.5	171.3
235	2333.5	2263.1	2069.5	1815.8	1523.1	1301.1	1078.8	837.2	597.5	166.9

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Photometric Data Table [Unit:cd] 8116HIC-20

240	2333.5	2263.1	2066.2	1815.8	1522.8	1299.1	1075.8	833.8	591.1	162.7
245	2333.5	2259.8	2062.8	1812.5	1522.8	1300.1	1074.1	829.8	585.5	157.5
250	2333.5	2253.1	2059.5	1812.5	1522.1	1299.1	1071.1	826.8	580.1	154.3
255	2333.5	2249.8	2059.5	1809.2	1520.1	1299.8	1068.8	824.5	575.5	151.9
260	2333.5	2246.4	2056.2	1805.8	1519.1	1300.1	1067.1	821.8	573.1	150.2
265	2333.5	2246.4	2049.5	1802.5	1518.1	1298.5	1066.5	822.5	568.1	149.5
270	2333.5	2243.1	2049.5	1799.1	1517.8	1296.5	1065.8	821.5	564.4	147.8
275	2333.5	2239.8	2042.8	1795.8	1514.8	1296.1	1061.1	820.1	561.4	147.8
280	2333.5	2236.4	2039.5	1795.8	1512.1	1293.1	1059.8	817.8	558.8	146.2
285	2333.5	2236.4	2039.5	1792.5	1509.7	1290.8	1058.8	815.5	554.1	145.3
290	2333.5	2233.1	2032.8	1789.1	1511.1	1287.1	1057.8	812.1	550.8	144.0
295	2333.5	2229.7	2029.5	1782.5	1507.4	1286.8	1055.1	809.1	546.8	142.9
300	2333.5	2229.7	2026.1	1779.1	1506.1	1285.4	1052.4	804.4	545.4	140.1
305	2333.5	2226.4	2022.8	1772.4	1502.4	1283.8	1051.8	802.4	542.4	138.9
310	2333.5	2223.1	2019.4	1772.4	1499.1	1283.8	1048.1	800.1	539.4	137.9
315	2333.5	2219.7	2016.1	1769.1	1494.7	1279.4	1046.1	798.1	537.7	137.1
320	2333.5	2219.7	2009.4	1765.8	1491.4	1274.4	1042.1	794.4	532.4	136.1
325	2333.5	2219.7	2009.4	1759.1	1489.7	1274.1	1039.1	791.8	530.1	135.6
330	2333.5	2219.7	2006.1	1759.1	1487.7	1273.4	1038.4	787.8	528.4	134.4
335	2333.5	2216.4	2006.1	1759.1	1485.4	1269.1	1036.4	784.4	525.7	133.7
340	2333.5	2216.4	2002.8	1755.8	1478.4	1266.1	1034.8	782.4	524.4	133.3
345	2333.5	2213.0	2002.8	1749.1	1476.0	1263.1	1032.4	783.1	523.4	132.6
350	2333.5	2213.0	1999.4	1745.7	1473.7	1259.7	1031.1	783.7	521.1	132.2
355	2333.5	2213.0	1996.1	1745.7	1471.0	1257.7	1030.4	782.4	520.4	133.5
360	2333.5	2219.7	1996.1	1745.7	1471.0	1257.1	1032.1	781.7	522.4	132.4

C\G	50	55	60	65	70	75	80	85	90
0	54.8	34.4	2.9	1.9	1.4	1.1	0.9	0.7	0.6
5	55.4	34.4	2.9	1.9	1.4	1.1	0.9	0.7	0.6
10	55.6	34.5	3.0	1.9	1.5	1.1	0.8	0.7	0.6
15	56.1	34.8	3.1	2.0	1.5	1.1	0.9	0.7	0.6
20	56.3	34.5	3.2	2.0	1.5	1.2	0.9	0.7	0.6
25	56.6	33.9	3.3	2.1	1.5	1.2	0.9	0.7	0.6
30	57.6	33.8	3.5	2.1	1.6	1.2	0.9	0.7	0.6
35	58.6	34.4	3.7	2.2	1.6	1.2	0.9	0.7	0.6
40	59.5	34.8	3.9	2.3	1.7	1.3	1.0	0.7	0.6
45	60.6	35.3	4.3	2.4	1.7	1.3	1.0	0.7	0.6
50	62.5	36.1	4.8	2.4	1.8	1.3	1.0	0.7	0.6
55	62.7	36.6	5.2	2.5	1.8	1.4	1.0	0.8	0.6
60	62.3	37.4	6.0	2.5	1.9	1.4	1.0	0.8	0.6
65	62.3	38.2	7.5	2.6	1.9	1.4	1.0	0.8	0.6
70	63.4	39.3	8.9	2.6	1.9	1.4	1.0	0.8	0.6
75	62.7	39.9	11.7	2.6	1.9	1.4	1.1	0.8	0.6
80	61.7	40.2	14.1	2.6	1.9	1.4	1.1	0.8	0.6
85	61.4	40.7	15.5	2.6	1.9	1.4	1.1	0.8	0.6
90	61.8	40.1	15.5	2.6	1.9	1.4	1.1	0.8	0.6
95	62.6	40.2	15.6	2.6	1.9	1.4	1.1	0.8	0.6
100	62.3	40.1	16.0	2.5	1.8	1.4	1.0	0.8	0.6

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Photometric Data Table [Unit:cd] 8116HIC-20

105	62.5	39.4	15.3	2.5	1.8	1.4	1.0	0.8	0.6
110	62.8	39.2	15.2	2.4	1.7	1.3	1.0	0.8	0.6
115	62.2	38.4	14.6	2.4	1.7	1.3	1.0	0.8	0.6
120	61.3	38.0	14.7	2.3	1.7	1.3	1.0	0.8	0.6
125	60.9	38.0	14.5	2.3	1.7	1.3	0.9	0.8	0.6
130	61.1	38.0	14.2	2.2	1.6	1.2	1.0	0.7	0.6
135	60.9	38.3	14.2	2.2	1.6	1.2	0.9	0.7	0.6
140	60.4	38.2	14.1	2.2	1.6	1.2	0.9	0.7	0.6
145	59.5	37.7	13.8	2.1	1.6	1.2	0.9	0.7	0.6
150	58.6	37.1	13.7	2.1	1.6	1.2	0.9	0.8	0.6
155	57.8	36.6	13.6	2.1	1.6	1.2	0.9	0.7	0.6
160	57.1	35.7	13.6	2.1	1.6	1.2	0.9	0.7	0.6
165	55.6	34.5	13.2	2.1	1.6	1.2	0.9	0.8	0.6
170	54.2	33.6	12.5	2.1	1.6	1.2	0.9	0.7	0.6
175	52.4	32.6	11.8	2.1	1.6	1.2	0.9	0.7	0.6
180	50.5	31.0	10.7	2.1	1.6	1.2	0.9	0.7	0.6
185	48.5	29.5	9.8	2.1	1.6	1.2	0.9	0.7	0.6
190	46.7	28.3	8.8	2.1	1.6	1.2	0.9	0.7	0.6
195	45.7	27.1	8.1	2.2	1.6	1.2	1.0	0.7	0.6
200	45.1	26.4	7.3	2.2	1.7	1.2	0.9	0.7	0.6
205	44.8	25.9	6.8	2.3	1.7	1.3	1.0	0.8	0.6
210	44.7	25.7	6.4	2.3	1.7	1.3	1.0	0.8	0.6
215	44.5	25.7	6.3	2.4	1.7	1.3	1.0	0.8	0.6
220	44.4	25.5	6.5	2.4	1.8	1.3	1.0	0.8	0.6
225	44.2	25.4	6.5	2.5	1.8	1.4	1.0	0.8	0.6
230	44.2	25.6	6.7	2.5	1.9	1.4	1.1	0.8	0.6
235	44.4	26.1	7.1	2.5	1.9	1.4	1.1	0.8	0.6
240	45.0	26.9	7.8	2.6	1.9	1.4	1.0	0.8	0.6
245	46.2	28.3	8.7	2.6	1.9	1.4	1.1	0.8	0.6
250	47.6	30.0	9.4	2.6	1.9	1.4	1.1	0.8	0.6
255	49.9	32.0	8.1	2.6	1.9	1.4	1.1	0.8	0.6
260	52.5	33.9	6.1	2.5	1.9	1.4	1.0	0.8	0.6
265	55.4	35.2	4.7	2.5	1.9	1.4	1.0	0.8	0.6
270	57.3	36.6	4.2	2.4	1.8	1.4	1.0	0.8	0.6
275	57.7	37.2	3.8	2.4	1.8	1.3	1.0	0.7	0.6
280	58.4	36.9	3.6	2.3	1.7	1.3	1.0	0.7	0.6
285	58.3	35.7	3.5	2.2	1.7	1.3	1.0	0.7	0.6
290	57.8	34.6	3.3	2.2	1.6	1.2	0.9	0.7	0.6
295	56.9	33.8	3.2	2.1	1.6	1.2	0.9	0.7	0.6
300	56.5	33.3	3.1	2.0	1.5	1.2	0.9	0.7	0.6
305	55.9	32.9	3.0	2.0	1.5	1.1	0.9	0.7	0.6
310	55.8	32.8	3.0	1.9	1.5	1.1	0.9	0.7	0.6
315	55.3	32.5	2.9	1.9	1.4	1.1	0.9	0.7	0.6
320	54.8	32.2	2.9	1.9	1.4	1.1	0.9	0.7	0.6
325	55.3	32.8	2.8	1.9	1.4	1.1	0.9	0.7	0.6
330	55.4	33.1	2.8	1.8	1.4	1.1	0.9	0.7	0.6
335	55.3	33.5	2.8	1.8	1.4	1.1	0.8	0.7	0.6
340	55.3	32.9	2.8	1.8	1.4	1.1	0.8	0.7	0.6
345	54.7	33.0	2.8	1.8	1.4	1.1	0.8	0.7	0.6

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Photometric Data Table [Unit:cd] 8116HIC-20

350	54.0	33.0	2.8	1.8	1.4	1.1	0.9	0.7	0.6
355	54.2	33.5	2.8	1.8	1.4	1.1	0.9	0.7	0.6
360	54.8	34.4	2.9	1.9	1.4	1.1	0.9	0.7	0.6

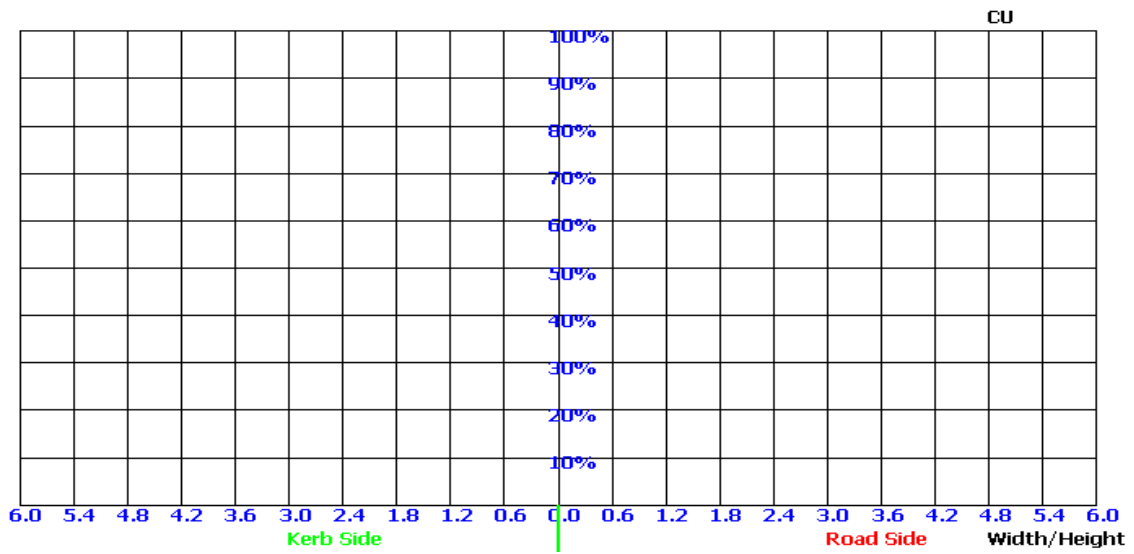
RP Lighting • Fans

Zonal Flux 8116HIC-20

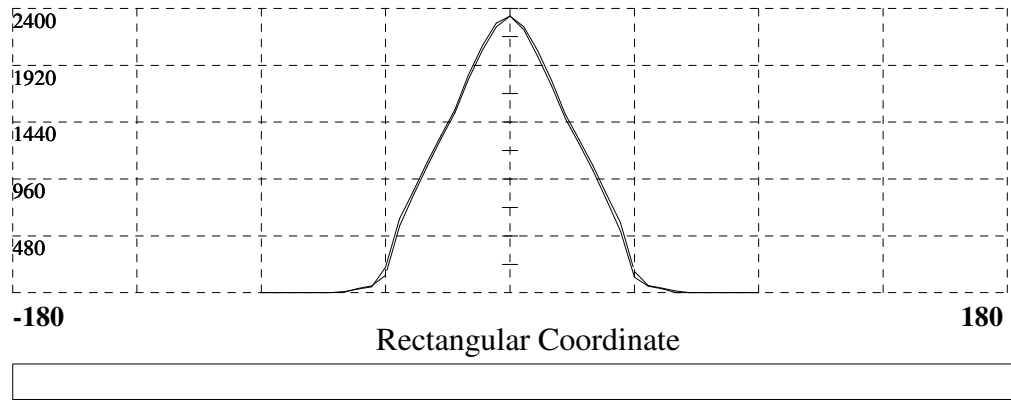
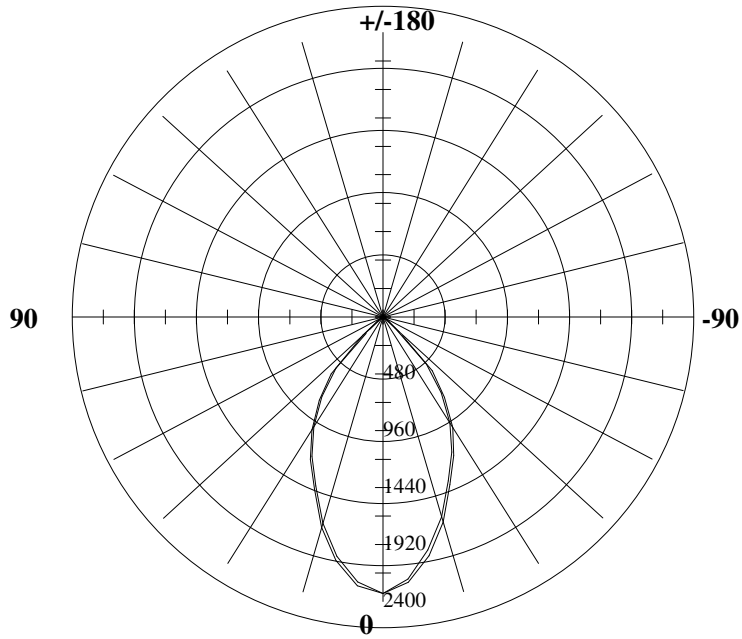
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	2333.53	0.00	0.00	0.00	0.00
5	2245.82	54.74	54.74	-5474.49	-5474.49
10	2043.60	153.45	208.19	-15344.62	-20819.13
15	1793.44	227.61	435.80	-22761.08	-43580.22
20	1509.77	272.23	708.03	-27223.13	-70803.33
25	1291.87	293.84	1001.87	-29384.08	-100187.41
30	1067.16	298.54	1300.41	-29853.78	-130041.20
35	823.43	278.40	1578.82	-27840.32	-157881.54
40	578.82	233.95	1812.77	-23395.41	-181276.99
45	170.48	138.74	1951.51	-13873.74	-195150.73
50	55.52	45.67	1997.17	-4566.55	-199717.29
55	34.00	19.46	2016.64	-1946.37	-201663.68
60	7.71	9.64	2026.28	-964.16	-202627.86
65	2.25	2.42	2028.70	-242.15	-202870.03
70	1.67	0.99	2029.69	-99.07	-202969.13
75	1.26	0.76	2030.46	-76.49	-203045.51
80	0.96	0.59	2031.05	-59.43	-203104.99
85	0.74	0.46	2031.51	-46.11	-203151.16
90	0.58	0.36	2031.87	-35.92	-203187.17

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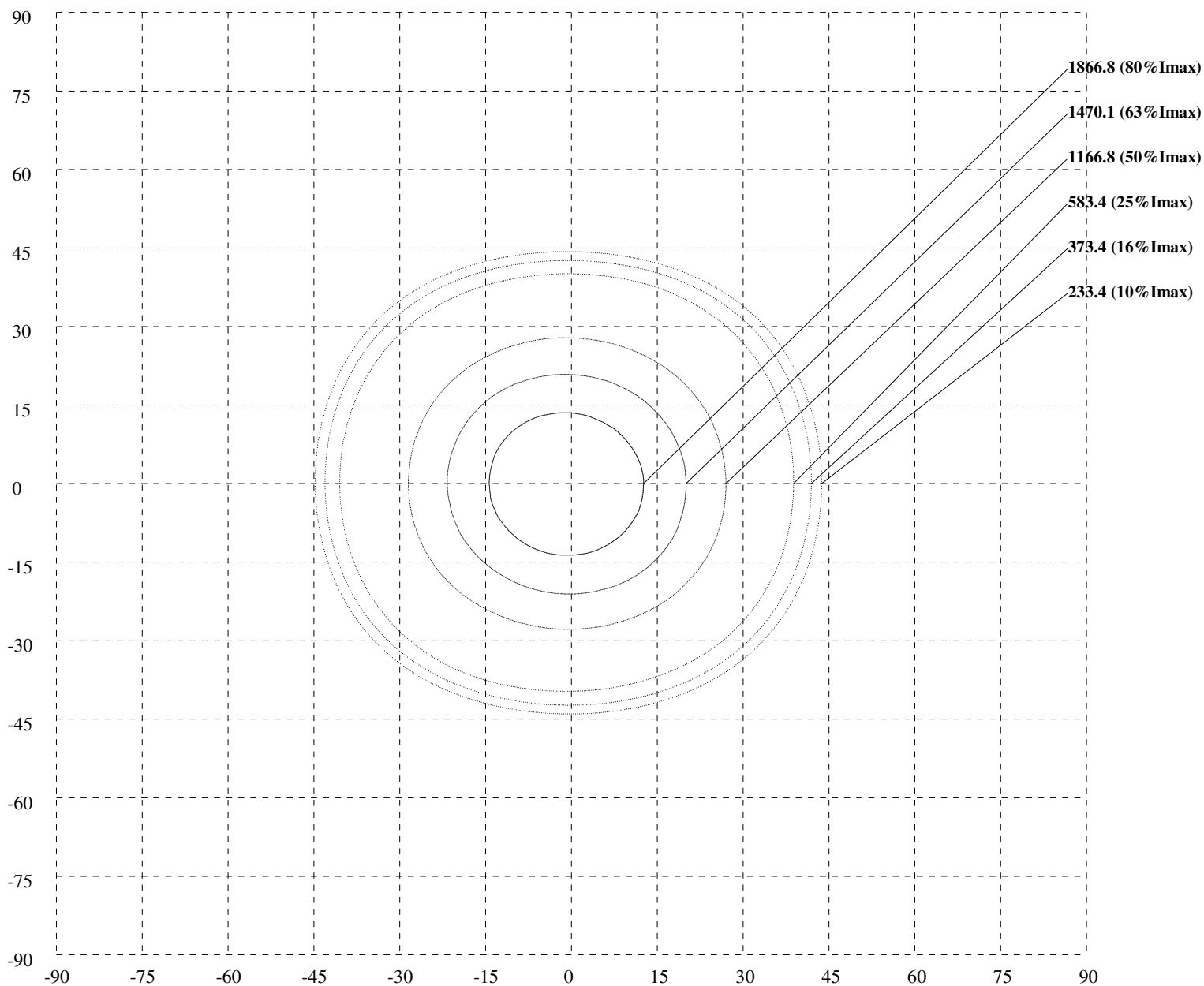
Coefficient Utilization Curve 8116HIC-20



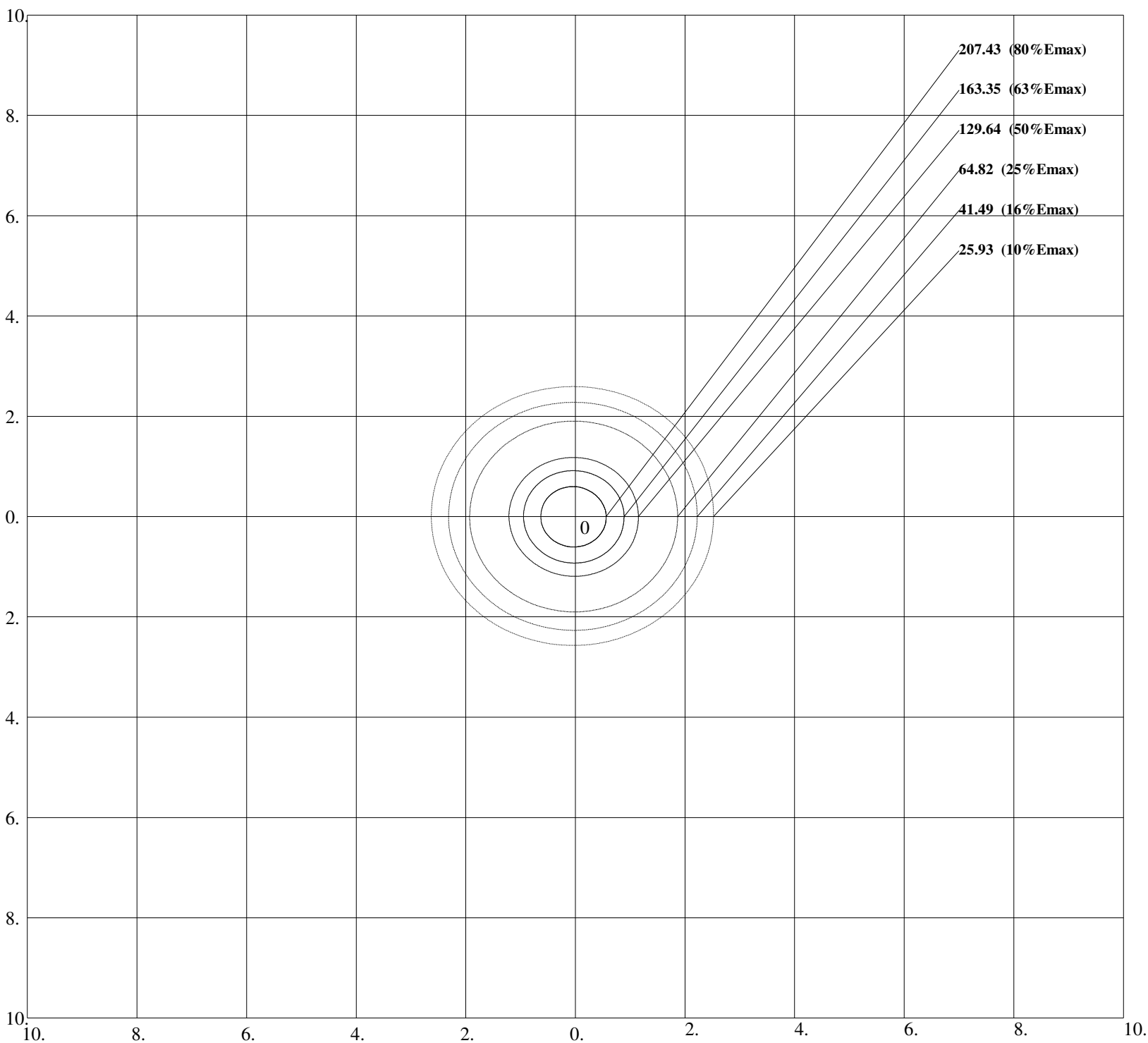
Light Distribution Curve[Unit: cd]



ISO-Candela V-H [Unit :cd] 8116HIC-20



Iso-Lux [Unit :lx] 8116HIC-20



Units: lx
Height: 3 m
Max Illuminance : 259.28lx

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Lux-Distance Curve

