

Test Report of Luminaire

Report No.:

Luminaire Type	RLH-8003-UDM-3548-40		
Lamp Type	LUMILEDS 34W		
Client		EUT NO.	
Luminaire Parameters:			
Voltage	120.3	Current	0.262
Power:	31.2	Power Factor	0.99
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	1493.47 lm	Luminaire Eff.	57.44%
Max Intensity	2454.379cd	Central Intensity	2451.374cd
Angle of Max Intensity:	C:120 G:5		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	57.44%		
50%Imax Beam Width	C0_180[21.5 ,-22.0] C90_270[23.9 ,-21.5]		
Remark			

Luminaire Figure



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Photometric Data Table [Unit:cd] RLH-8003-UDM-3548-40

C\G	0	5	10	15	20	25	30	35	40	45
0	2451.4	2349.6	2157.3	1866.9	1338.2	957.0	600.8	332.1	148.4	30.4
5	2451.4	2350.2	2157.3	1862.2	1337.8	948.3	586.8	321.8	139.1	29.3
10	2451.4	2355.6	2160.0	1857.9	1343.2	943.6	579.5	318.4	138.3	28.2
15	2451.4	2358.6	2160.3	1860.2	1348.9	939.3	579.8	324.1	140.1	27.3
20	2451.4	2361.9	2163.3	1869.2	1354.5	939.0	573.8	315.1	134.2	27.8
25	2451.4	2364.6	2167.7	1878.6	1360.9	946.0	579.5	315.8	137.2	28.0
30	2451.4	2366.6	2172.3	1890.3	1369.6	956.7	595.8	328.5	142.2	28.7
35	2451.4	2365.6	2173.7	1899.9	1376.2	970.0	596.5	326.1	139.6	30.7
40	2451.4	2366.9	2177.7	1905.6	1384.2	981.0	607.2	333.1	146.7	32.8
45	2451.4	2370.6	2183.3	1907.6	1398.3	989.0	619.2	345.1	157.3	36.6
50	2451.4	2371.3	2192.0	1913.6	1416.6	1006.1	622.9	347.5	154.4	40.5
55	2451.4	2376.3	2196.7	1922.6	1437.0	1029.8	639.5	365.2	166.1	46.3
60	2451.4	2383.6	2205.4	1928.0	1451.0	1051.1	664.2	385.2	179.8	51.3
65	2451.4	2396.0	2216.7	1931.7	1463.0	1072.8	687.9	408.9	190.7	55.5
70	2451.4	2411.7	2225.7	1937.3	1472.4	1092.2	706.6	412.6	192.6	60.3
75	2451.4	2429.3	2239.8	1946.7	1481.4	1104.5	727.0	422.6	199.8	62.2
80	2451.4	2443.4	2249.4	1956.0	1497.4	1116.5	743.4	438.9	212.7	64.6
85	2451.4	2448.7	2255.8	1965.7	1516.1	1128.6	745.0	440.3	212.0	69.6
90	2451.4	2448.4	2257.4	1974.1	1528.1	1142.9	757.4	447.6	220.4	69.5
95	2451.4	2445.0	2253.4	1983.7	1537.5	1154.3	763.1	449.6	223.8	70.4
100	2451.4	2441.0	2254.8	1993.7	1546.8	1160.3	756.0	441.6	218.4	73.0
105	2451.4	2442.7	2261.4	2003.4	1557.5	1171.6	758.0	451.0	227.0	72.6
110	2451.4	2441.7	2272.1	2010.4	1569.2	1178.3	757.0	447.6	222.8	73.3
115	2451.4	2449.0	2284.5	2017.1	1577.8	1176.6	752.7	442.3	218.1	73.5
120	2451.4	2454.4	2292.2	2024.8	1581.8	1175.3	762.0	446.9	224.0	70.7
125	2451.4	2449.7	2289.5	2023.8	1581.8	1168.9	756.4	435.6	212.5	69.5
130	2451.4	2439.7	2281.1	2018.8	1574.5	1159.3	752.0	430.9	209.9	68.6
135	2451.4	2427.7	2265.5	2007.4	1559.5	1151.3	749.0	435.6	215.2	66.2
140	2451.4	2418.0	2253.1	1996.7	1541.5	1138.2	724.7	423.6	205.7	65.6
145	2451.4	2415.0	2243.1	1984.7	1524.4	1120.2	708.6	415.6	200.9	62.9
150	2451.4	2420.7	2236.7	1972.4	1510.7	1100.2	703.0	410.2	197.0	59.1
155	2451.4	2418.3	2235.1	1961.0	1495.1	1087.8	687.6	400.6	188.9	58.8
160	2451.4	2416.3	2228.4	1947.7	1471.7	1070.5	684.3	403.9	190.3	56.2
165	2451.4	2412.0	2218.4	1933.0	1444.3	1052.8	677.3	392.9	181.5	53.3
170	2451.4	2401.0	2209.0	1918.3	1415.9	1035.1	664.9	378.9	171.3	50.2
175	2451.4	2385.0	2198.4	1906.0	1390.9	1021.1	652.6	372.2	164.4	46.1
180	2451.4	2366.6	2189.3	1895.3	1373.9	1003.4	645.9	369.2	164.2	42.3
185	2451.4	2354.9	2178.3	1883.3	1359.2	990.4	640.9	362.8	163.7	38.6
190	2451.4	2346.6	2168.7	1873.9	1348.5	981.4	616.8	342.5	150.0	34.8
195	2451.4	2344.9	2159.6	1864.9	1341.8	965.3	602.8	332.5	146.6	32.0
200	2451.4	2348.2	2155.0	1861.6	1339.5	955.0	595.8	331.5	148.3	30.2
205	2451.4	2348.9	2154.6	1861.2	1340.5	955.3	595.8	331.5	148.3	30.2
210	2451.4	2348.9	2154.6	1861.2	1340.2	955.3	596.2	331.8	148.2	30.2
215	2451.4	2347.9	2154.6	1861.9	1339.8	954.6	596.2	331.5	148.2	30.2
220	2451.4	2348.9	2154.0	1861.2	1339.8	955.3	595.8	331.5	148.3	30.3
225	2451.4	2347.9	2154.6	1861.6	1339.8	955.0	596.2	331.5	148.3	30.2
230	2451.4	2347.6	2154.6	1861.9	1339.8	955.0	596.2	331.5	148.3	30.2
235	2451.4	2348.6	2154.0	1861.6	1340.2	955.3	596.2	331.5	148.3	30.3

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Photometric Data Table [Unit:cd] RLH-8003-UDM-3548-40

240	2451.4	2347.9	2154.3	1861.6	1340.2	955.0	596.2	331.5	148.3	30.3
245	2451.4	2347.9	2154.3	1861.2	1340.2	955.0	595.8	331.5	148.2	30.3
250	2451.4	2347.9	2153.6	1861.2	1340.2	955.3	595.8	331.8	148.2	30.2
255	2451.4	2347.6	2154.6	1860.9	1339.8	955.0	596.2	331.5	148.3	30.2
260	2451.4	2347.9	2154.0	1861.6	1340.2	955.0	595.8	331.5	148.2	30.2
265	2451.4	2348.2	2154.0	1860.9	1340.2	955.3	595.8	331.8	148.2	30.3
270	2451.4	2347.2	2154.0	1861.2	1339.8	954.6	596.2	331.5	148.2	30.2
275	2451.4	2347.6	2153.3	1861.6	1340.2	955.0	596.2	331.5	148.2	30.3
280	2451.4	2347.9	2153.3	1860.2	1340.2	955.0	596.2	331.5	148.3	30.2
285	2451.4	2347.6	2154.0	1860.9	1339.5	955.0	596.2	331.5	148.3	30.3
290	2451.4	2347.9	2153.6	1860.9	1340.2	955.0	595.8	331.5	148.3	30.2
295	2451.4	2346.9	2154.0	1860.9	1339.8	955.0	596.2	331.5	148.3	30.3
300	2451.4	2346.2	2154.0	1861.2	1339.8	954.6	596.2	331.1	148.2	30.2
305	2451.4	2347.6	2153.6	1860.9	1340.2	955.0	595.8	331.5	148.2	30.3
310	2451.4	2346.9	2154.0	1860.2	1339.5	955.0	596.2	331.5	148.3	30.3
315	2451.4	2346.9	2154.0	1861.2	1339.8	954.6	595.8	331.5	148.2	30.2
320	2451.4	2346.9	2153.3	1860.6	1339.5	955.0	595.8	331.5	148.3	30.2
325	2451.4	2346.2	2154.0	1860.6	1339.5	955.0	596.2	331.5	148.2	30.2
330	2451.4	2347.2	2153.6	1860.9	1339.8	955.0	595.8	331.1	148.4	30.2
335	2451.4	2346.9	2153.3	1860.9	1339.5	955.3	595.8	331.5	148.3	30.2
340	2451.4	2346.2	2153.6	1860.6	1339.5	955.0	596.2	331.5	148.2	30.3
345	2451.4	2346.6	2153.0	1860.6	1339.8	954.6	595.8	331.5	148.3	30.2
350	2451.4	2346.6	2153.3	1859.9	1339.5	954.6	596.2	331.5	148.2	30.3
355	2451.4	2345.6	2153.6	1860.6	1340.2	954.6	596.2	331.5	148.2	30.3
360	2451.4	2349.6	2157.3	1866.9	1338.2	957.0	600.8	332.1	148.4	30.4

C\G	50	55	60	65	70	75	80	85	90
0	10.0	5.7	3.4	2.0	1.2	0.6	0.3	0.1	0.0
5	9.8	5.6	3.2	1.9	1.0	0.6	0.2	0.1	0.0
10	9.6	5.5	3.2	1.8	1.0	0.5	0.2	0.1	0.0
15	9.6	5.5	3.2	1.8	1.0	0.5	0.2	0.2	0.0
20	9.5	5.4	3.1	1.9	1.0	0.4	0.3	0.1	0.1
25	9.4	5.3	3.1	1.8	1.0	0.5	0.3	0.0	0.0
30	9.5	5.3	3.1	1.8	0.9	0.6	0.3	0.0	0.0
35	9.6	5.5	3.2	1.8	1.0	0.5	0.3	0.1	0.0
40	9.8	5.5	3.2	1.9	1.1	0.6	0.3	0.1	0.0
45	10.1	5.7	3.3	1.9	1.0	0.6	0.2	0.1	0.0
50	10.4	5.9	3.4	1.9	1.1	0.6	0.2	0.1	0.0
55	10.7	6.0	3.6	2.0	1.2	0.6	0.4	0.1	0.0
60	11.2	6.2	3.8	2.2	1.3	0.7	0.3	0.2	0.0
65	11.8	6.6	3.8	2.3	1.3	0.7	0.4	0.2	0.0
70	12.3	6.8	4.0	2.3	1.3	0.7	0.5	0.2	0.0
75	12.8	7.1	4.3	2.4	1.4	0.9	0.4	0.2	0.0
80	13.2	7.2	4.4	2.6	1.4	0.8	0.5	0.3	0.0
85	13.5	7.4	4.3	2.6	1.4	0.8	0.5	0.2	0.0
90	13.8	7.4	4.4	2.5	1.5	0.9	0.4	0.2	0.0
95	13.9	7.4	4.3	2.6	1.4	0.8	0.4	0.2	0.0
100	14.0	7.4	4.3	2.5	1.4	0.8	0.4	0.2	0.0

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Photometric Data Table [Unit:cd] RLH-8003-UDM-3548-40

105	14.0	7.2	4.3	2.4	1.4	0.8	0.4	0.2	0.0
110	14.0	7.3	4.2	2.4	1.4	0.7	0.4	0.2	0.0
115	13.9	7.1	4.1	2.5	1.3	0.7	0.4	0.1	0.0
120	13.8	7.2	4.1	2.4	1.3	0.7	0.4	0.2	0.0
125	13.5	7.0	4.0	2.3	1.3	0.7	0.4	0.2	0.0
130	13.4	7.0	4.0	2.3	1.3	0.6	0.4	0.2	0.0
135	13.1	6.9	4.0	2.4	1.3	0.7	0.4	0.2	0.0
140	12.9	6.8	3.9	2.2	1.3	0.7	0.4	0.2	0.0
145	12.7	6.8	3.9	2.3	1.3	0.7	0.4	0.3	0.0
150	12.4	6.6	3.9	2.3	1.2	0.7	0.4	0.2	0.0
155	12.2	6.7	3.9	2.3	1.4	0.7	0.4	0.1	0.0
160	12.1	6.5	3.9	2.3	1.3	0.8	0.3	0.2	0.0
165	11.8	6.6	3.9	2.3	1.4	0.7	0.4	0.2	0.0
170	11.6	6.5	3.9	2.3	1.4	0.7	0.4	0.2	0.1
175	11.4	6.4	3.9	2.2	1.3	0.7	0.3	0.1	0.0
180	11.1	6.4	3.8	2.2	1.3	0.7	0.4	0.1	0.1
185	11.0	6.1	3.7	2.2	1.3	0.7	0.4	0.1	0.0
190	10.6	6.0	3.6	2.1	1.1	0.6	0.2	0.1	0.0
195	10.3	5.8	3.4	2.0	1.1	0.6	0.2	0.1	0.0
200	10.1	5.8	3.4	2.0	1.1	0.6	0.3	0.1	0.0
205	10.1	5.8	3.3	1.9	1.1	0.6	0.3	0.1	0.0
210	10.1	5.7	3.4	2.0	1.1	0.6	0.3	0.0	0.0
215	10.0	5.8	3.4	2.0	1.1	0.5	0.2	0.0	0.0
220	10.0	5.7	3.4	2.0	1.1	0.6	0.3	0.1	0.0
225	10.1	5.8	3.4	1.9	1.1	0.6	0.3	0.1	0.0
230	10.1	5.8	3.4	2.0	1.1	0.6	0.4	0.1	0.0
235	10.1	5.8	3.3	1.9	1.1	0.6	0.3	0.1	0.0
240	10.0	5.7	3.4	1.9	1.1	0.6	0.4	0.1	0.0
245	10.2	5.7	3.4	1.9	1.1	0.6	0.3	0.1	0.0
250	10.1	5.7	3.4	1.9	1.0	0.5	0.3	0.1	0.1
255	10.1	5.7	3.2	1.9	1.1	0.6	0.3	0.1	0.0
260	10.1	5.7	3.3	2.0	1.1	0.6	0.3	0.1	0.0
265	10.0	5.7	3.3	1.9	1.1	0.6	0.3	0.2	0.0
270	10.1	5.8	3.3	1.9	1.1	0.6	0.4	0.1	0.0
275	10.1	5.7	3.4	1.9	1.0	0.6	0.3	0.1	0.0
280	10.1	5.7	3.4	1.9	1.0	0.6	0.3	0.1	0.0
285	10.1	5.7	3.3	2.0	1.1	0.6	0.3	0.1	0.0
290	10.1	5.7	3.4	1.9	1.1	0.6	0.4	0.1	0.0
295	10.1	5.7	3.3	1.9	1.1	0.5	0.3	0.1	0.0
300	10.0	5.7	3.4	2.0	1.0	0.6	0.3	0.1	0.0
305	10.1	5.8	3.3	1.9	1.1	0.6	0.2	0.1	0.0
310	10.1	5.8	3.4	2.0	1.1	0.6	0.3	0.1	0.0
315	10.2	5.7	3.3	1.9	1.1	0.6	0.3	0.1	0.0
320	10.1	5.7	3.4	2.0	1.2	0.6	0.3	0.1	0.0
325	10.1	5.8	3.4	2.0	1.1	0.6	0.3	0.1	0.1
330	10.0	5.6	3.4	2.0	1.1	0.6	0.2	0.0	0.0
335	10.1	5.7	3.4	1.9	1.2	0.6	0.2	0.1	0.0
340	10.1	5.7	3.4	1.9	1.1	0.6	0.2	0.1	0.0
345	10.1	5.7	3.4	2.0	1.1	0.6	0.2	0.1	0.0

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Photometric Data Table [Unit:cd] RLH-8003-UDM-3548-40

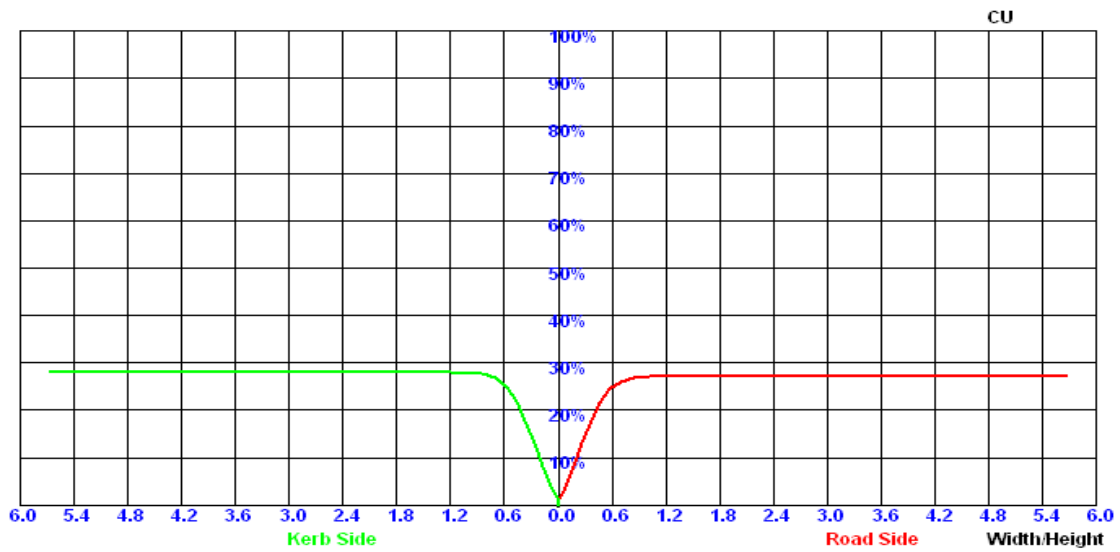
350	10.1	5.7	3.3	2.0	1.0	0.6	0.3	0.1	0.1
355	10.1	5.7	3.4	1.9	1.1	0.6	0.2	0.1	0.0
360	10.0	5.7	3.4	2.0	1.2	0.6	0.3	0.1	0.0

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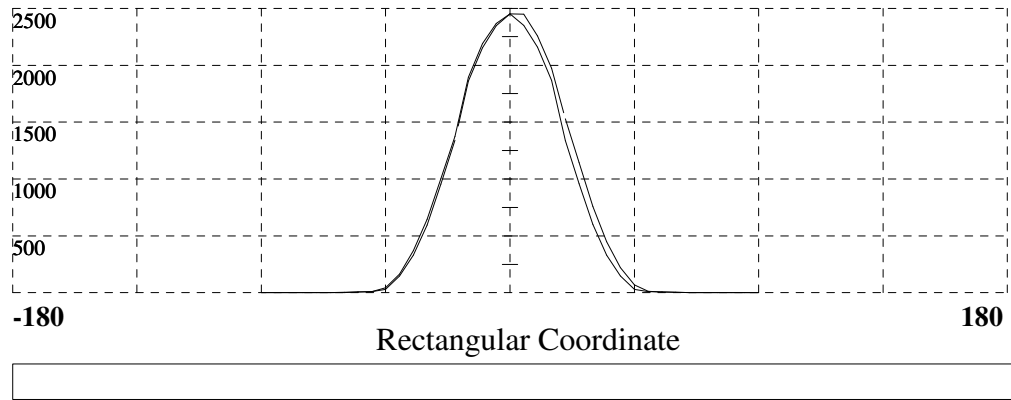
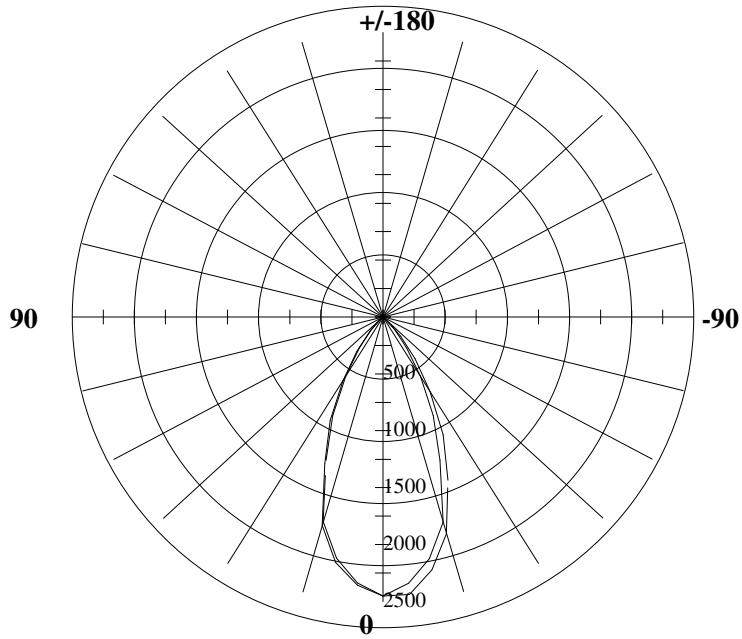
Zonal FluxRLH-8003-UDM-3548-40

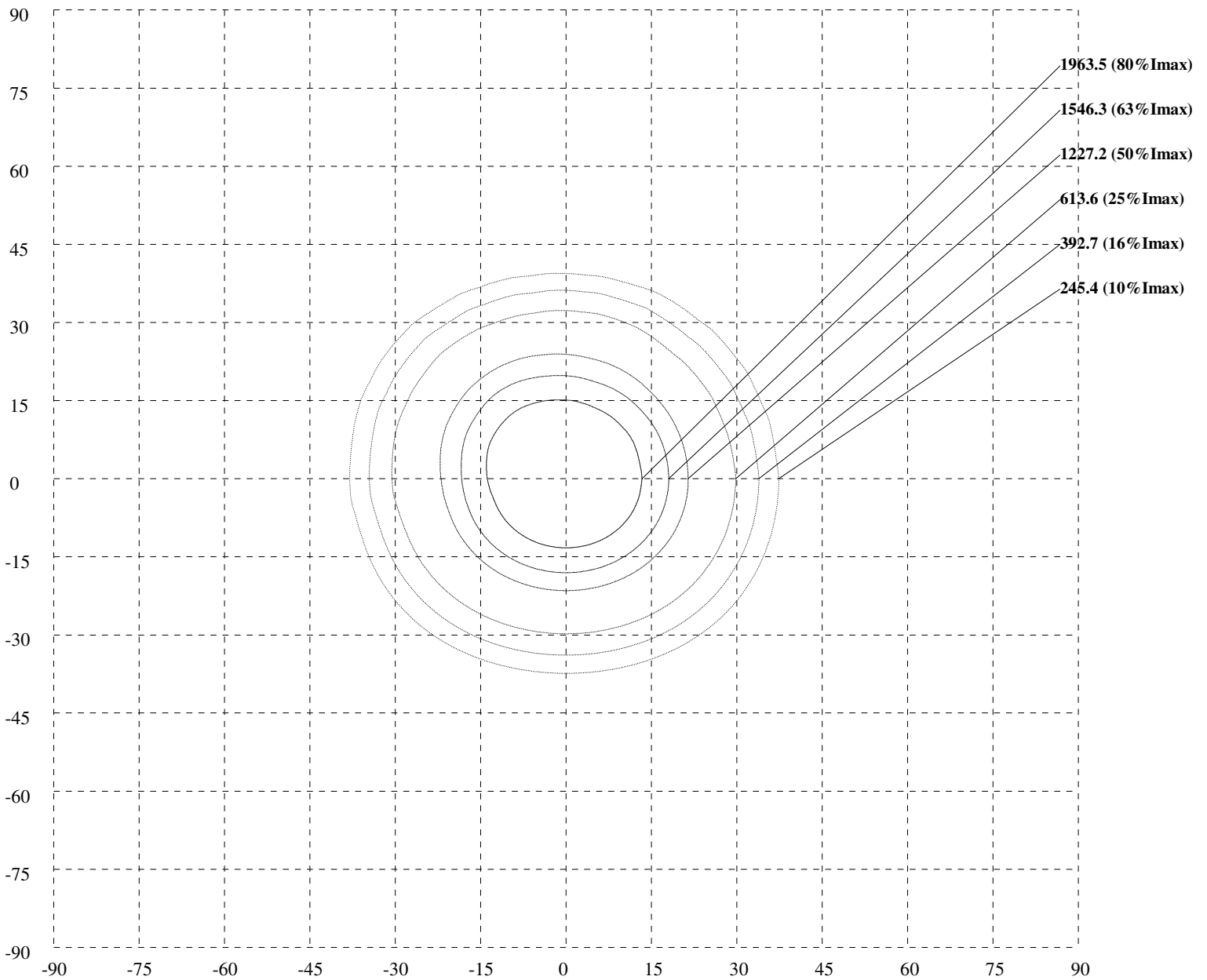
Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	2451.38	0.00	0.00	0.00	0.00
5	2376.78	57.72	57.72	2.22	2.22
10	2189.04	163.33	221.05	6.28	8.50
15	1903.45	242.76	463.82	9.34	17.84
20	1403.56	272.54	736.36	10.48	28.32
25	1013.00	253.45	989.81	9.75	38.07
30	640.29	209.22	1199.04	8.05	46.12
35	362.80	147.71	1346.75	5.68	51.80
40	166.56	88.32	1435.07	3.40	55.19
45	42.02	38.62	1473.69	1.49	56.68
50	11.02	10.72	1484.40	0.41	57.09
55	6.12	3.73	1488.13	0.14	57.24
60	3.60	2.25	1490.38	0.09	57.32
65	2.09	1.38	1491.76	0.05	57.38
70	1.17	0.83	1492.59	0.03	57.41
75	0.63	0.47	1493.06	0.02	57.43
80	0.32	0.25	1493.31	0.01	57.44
85	0.12	0.12	1493.43	0.00	57.44
90	0.01	0.04	1493.47	0.00	57.44

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Coefficient Utilization Curve RLH-8003-UDM-3548-40

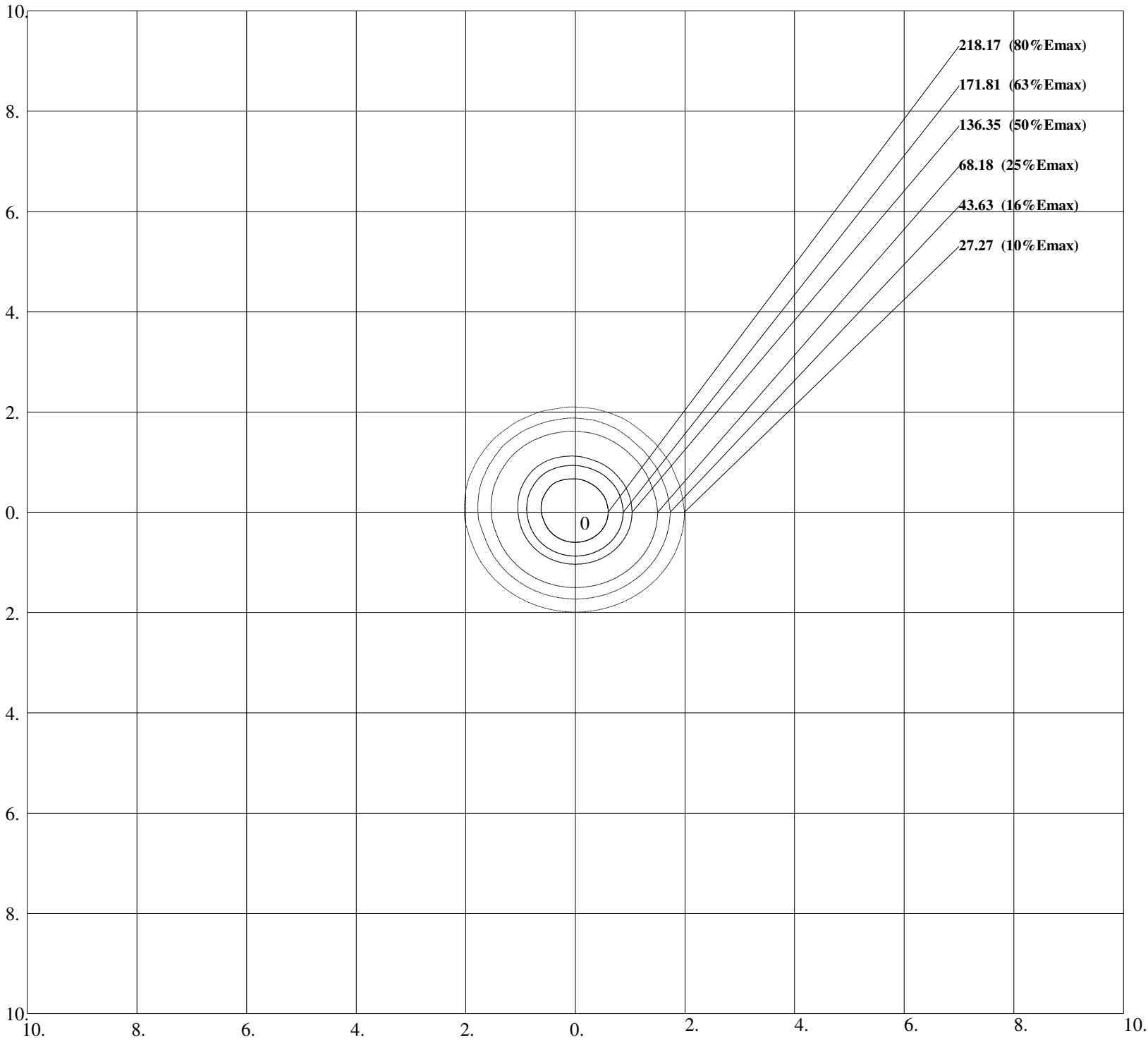


Light Distribution Curve[Unit: cd]





Iso-Lux [Unit :lx]RLH-8003-UDM-3548-40



Units: lx
Height: 3 m
Max Illuminance : 272.71lx

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Lux-Distance Curve

