

Test Report of Luminaire

Report No.:

Luminaire Type	RLH-4003-UDM-1648-30		
Lamp Type	LIMILEDS 15W		
Client		EUT NO.	

Luminaire Parameters:

Voltage	120.4	Current	0.144
Power:	17.2	Power Factor	0.989
Frequency:	60Hz	Tc	3000K

Photometric Parameters

Luminaire Flux	747.85 lm	Luminaire Eff.	62.32%
Max Intensity	1359.437cd	Central Intensity	1359.437cd
Angle of Max Intensity:	C:0 G:0		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	62.32%		
50%Imax Beam Width	C0_180[19.4 , -22.4] C90_270[22.3 , -20.3]		
Remark			

Luminaire Figure



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Photometric Data Table [Unit:cd] RLH-4003-UDM-1648-30

C\G	0	5	10	15	20	25	30	35	40	45
0	1359.4	1179.0	1165.9	864.2	653.9	445.6	272.7	128.6	49.6	21.6
5	1359.4	1179.3	1168.3	868.2	659.2	458.3	269.7	132.0	50.3	22.3
10	1359.4	1181.0	1173.3	873.5	669.9	469.6	262.0	135.4	51.0	23.1
15	1359.4	1182.0	1178.3	878.9	682.9	473.0	261.7	138.9	51.7	23.8
20	1359.4	1184.3	1181.0	885.9	694.0	477.0	264.0	142.3	53.0	24.6
25	1359.4	1184.3	1183.6	891.2	702.3	481.7	269.0	146.3	54.8	25.6
30	1359.4	1185.3	1186.6	897.9	707.3	487.0	279.4	147.8	57.1	26.6
35	1359.4	1186.3	1187.6	904.2	708.6	493.0	295.1	149.7	59.5	27.8
40	1359.4	1187.0	1187.0	911.3	710.0	498.4	299.1	151.6	61.9	29.0
45	1359.4	1189.3	1187.3	917.9	715.0	506.0	302.1	154.0	64.2	30.1
50	1359.4	1190.6	1187.0	926.3	725.3	516.7	305.1	157.1	65.9	31.1
55	1359.4	1191.6	1187.0	935.0	738.0	524.1	309.8	160.9	67.2	31.9
60	1359.4	1195.0	1183.6	944.6	748.0	523.1	315.1	164.9	68.5	32.6
65	1359.4	1199.0	1181.3	952.6	753.7	522.1	321.8	171.9	70.0	33.1
70	1359.4	1203.3	1178.6	961.7	759.4	521.1	324.1	172.8	71.7	33.8
75	1359.4	1206.7	1178.0	972.0	765.4	524.4	328.8	174.8	73.4	34.4
80	1359.4	1211.0	1176.0	982.7	770.7	530.4	337.1	179.2	75.2	35.0
85	1359.4	1216.0	1175.6	991.7	776.4	542.4	336.8	185.4	76.7	35.8
90	1359.4	1220.7	1174.3	1001.4	783.4	559.4	341.1	189.3	77.9	36.4
95	1359.4	1227.0	1173.3	1012.4	789.4	573.8	345.1	191.1	78.8	36.9
100	1359.4	1231.4	1172.6	1020.7	793.1	577.8	348.5	194.1	80.1	37.2
105	1359.4	1236.4	1171.6	1025.1	798.8	577.8	352.2	199.5	81.7	37.3
110	1359.4	1241.0	1169.3	1030.4	801.1	573.8	358.2	197.3	83.4	37.3
115	1359.4	1245.7	1170.3	1028.4	800.8	567.8	368.5	194.3	84.7	37.1
120	1359.4	1251.1	1168.6	1030.8	802.1	565.8	383.2	192.8	85.5	36.8
125	1359.4	1254.7	1168.9	1032.1	803.1	567.1	388.9	192.5	85.8	36.6
130	1359.4	1257.7	1171.6	1029.8	804.8	573.8	379.2	195.2	85.6	36.4
135	1359.4	1261.7	1174.6	1027.7	804.4	582.8	372.8	199.9	85.2	36.3
140	1359.4	1265.7	1178.6	1027.7	804.4	590.1	371.5	206.0	84.3	36.2
145	1359.4	1265.4	1180.6	1026.1	806.4	593.5	370.8	206.1	83.5	35.8
150	1359.4	1265.1	1183.6	1022.4	808.4	594.2	371.2	205.9	82.9	35.4
155	1359.4	1263.4	1185.6	1017.1	808.8	589.8	370.2	205.2	82.4	34.6
160	1359.4	1262.4	1186.3	1010.4	807.4	577.5	370.5	199.8	81.6	33.8
165	1359.4	1260.4	1187.3	1005.1	804.1	562.8	373.2	194.5	80.1	32.9
170	1359.4	1258.1	1187.6	1000.0	802.8	555.1	378.2	190.8	78.1	31.8
175	1359.4	1254.4	1186.6	992.0	800.8	552.8	366.2	188.5	75.7	31.0
180	1359.4	1252.1	1186.3	986.0	796.8	555.8	352.8	189.1	73.4	30.3
185	1359.4	1249.7	1184.0	978.0	795.1	561.1	344.8	191.0	71.2	29.7
190	1359.4	1246.0	1185.0	969.3	791.8	564.8	337.5	182.5	69.1	29.1
195	1359.4	1242.0	1183.6	961.3	785.4	565.4	332.8	176.4	67.3	28.3
200	1359.4	1239.0	1180.0	954.0	780.1	555.8	328.8	172.2	65.6	27.6
205	1359.4	1236.7	1177.3	948.6	773.7	539.1	326.8	170.1	63.6	26.7
210	1359.4	1233.0	1174.6	941.3	766.7	527.1	324.8	169.7	61.5	25.7
215	1359.4	1229.4	1172.9	933.3	757.4	518.7	319.1	169.5	59.3	24.9
220	1359.4	1225.0	1170.3	925.6	749.7	512.7	303.4	165.0	57.3	24.3
225	1359.4	1221.3	1168.9	919.9	743.7	508.7	298.7	162.8	55.4	23.6
230	1359.4	1218.7	1167.3	913.6	739.4	505.4	302.1	155.9	54.0	23.0
235	1359.4	1215.3	1165.6	907.2	733.7	502.4	298.1	147.6	52.9	22.5

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Photometric Data Table [Unit:cd] RLH-4003-UDM-1648-30

240	1359.4	1212.3	1167.9	901.6	725.0	497.4	291.1	142.8	52.1	22.0
245	1359.4	1208.7	1164.3	898.9	716.3	490.3	286.7	139.0	51.1	21.5
250	1359.4	1205.7	1162.6	894.9	708.6	486.0	282.4	136.4	50.0	20.9
255	1359.4	1203.0	1159.9	889.9	704.0	483.0	279.1	134.2	48.8	20.5
260	1359.4	1200.7	1157.9	887.2	699.3	478.3	271.4	132.8	47.2	20.0
265	1359.4	1197.6	1150.9	882.5	697.0	471.0	258.7	132.5	45.9	19.4
270	1359.4	1194.6	1149.9	877.5	692.6	466.3	250.7	128.7	44.8	19.0
275	1359.4	1192.6	1145.2	873.2	687.9	462.3	246.3	125.7	44.0	18.6
280	1359.4	1191.0	1145.2	871.9	681.3	459.6	246.0	122.9	43.7	18.4
285	1359.4	1188.0	1145.2	869.5	672.3	458.0	249.3	121.0	43.6	18.1
290	1359.4	1186.0	1140.6	866.2	662.6	452.3	256.4	117.9	43.6	18.0
295	1359.4	1184.3	1137.6	862.9	656.2	440.6	261.0	116.3	43.4	17.9
300	1359.4	1182.6	1136.9	859.2	650.9	434.6	260.0	115.2	43.4	17.7
305	1359.4	1180.0	1134.9	857.2	647.2	434.3	261.0	114.4	43.1	17.7
310	1359.4	1179.3	1133.6	853.5	647.6	440.3	251.3	113.7	42.9	17.8
315	1359.4	1178.6	1134.9	852.2	648.6	448.6	240.7	113.9	42.5	17.8
320	1359.4	1178.0	1133.9	851.5	650.9	452.3	236.3	114.6	42.6	18.0
325	1359.4	1176.6	1136.6	852.2	654.2	451.6	235.3	115.2	42.9	18.2
330	1359.4	1176.6	1136.9	852.8	653.2	451.6	237.3	116.6	43.4	18.5
335	1359.4	1176.6	1142.2	853.2	650.9	454.3	241.7	117.6	44.0	18.9
340	1359.4	1176.6	1148.2	855.2	648.6	456.0	247.7	118.3	45.1	19.2
345	1359.4	1176.3	1151.3	856.8	647.2	448.0	257.7	120.8	46.2	19.9
350	1359.4	1177.0	1154.6	859.5	647.6	440.3	268.0	123.5	47.4	20.3
355	1359.4	1177.6	1158.9	862.2	650.6	440.3	270.0	125.9	48.5	21.0
360	1359.4	1179.0	1165.9	864.2	653.9	445.6	272.7	128.6	49.6	21.6

C\G	50	55	60	65	70	75	80	85	90
0	8.6	4.4	2.5	1.5	0.8	0.4	0.2	0.1	0.0
5	8.8	4.6	2.6	1.6	0.9	0.3	0.2	0.1	0.0
10	9.1	4.7	2.6	1.5	0.9	0.4	0.2	0.0	0.0
15	9.4	4.8	2.7	1.6	0.9	0.4	0.2	0.1	0.0
20	9.6	4.9	2.8	1.6	0.9	0.6	0.3	0.1	0.0
25	10.0	5.1	2.9	1.7	1.0	0.5	0.2	0.1	0.1
30	10.4	5.3	3.1	1.8	1.0	0.6	0.3	0.1	0.1
35	10.8	5.5	3.0	1.8	1.0	0.4	0.2	0.2	0.0
40	11.2	5.6	3.1	1.9	1.1	0.5	0.4	0.2	0.0
45	11.6	5.8	3.3	2.0	1.1	0.6	0.3	0.1	0.1
50	12.0	6.0	3.4	2.0	1.1	0.6	0.4	0.0	0.0
55	12.5	6.1	3.5	2.1	1.2	0.7	0.3	0.2	0.1
60	12.8	6.4	3.5	2.1	1.2	0.6	0.3	0.2	0.1
65	13.3	6.5	3.7	2.2	1.3	0.7	0.4	0.2	0.0
70	13.5	6.6	3.7	2.2	1.3	0.7	0.4	0.1	0.0
75	13.9	6.8	3.8	2.3	1.2	0.7	0.4	0.2	0.1
80	14.1	6.8	3.8	2.2	1.3	0.6	0.3	0.2	0.1
85	14.4	6.8	3.8	2.2	1.2	0.7	0.3	0.2	0.1
90	14.5	6.8	3.9	2.3	1.3	0.8	0.4	0.2	0.1
95	14.7	6.8	3.8	2.2	1.3	0.7	0.4	0.2	0.1
100	14.8	6.8	3.8	2.2	1.2	0.7	0.3	0.1	0.0

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Photometric Data Table [Unit:cd] RLH-4003-UDM-1648-30

105	14.7	6.8	3.8	2.1	1.3	0.7	0.4	0.2	0.0
110	14.7	6.7	3.7	2.1	1.2	0.7	0.3	0.1	0.1
115	14.6	6.7	3.7	2.1	1.3	0.6	0.4	0.1	0.0
120	14.7	6.6	3.6	2.1	1.2	0.6	0.4	0.2	0.0
125	14.5	6.5	3.6	2.0	1.2	0.6	0.4	0.1	0.1
130	14.3	6.4	3.5	2.0	1.1	0.6	0.4	0.2	0.0
135	14.1	6.3	3.4	2.0	1.1	0.6	0.4	0.1	0.1
140	13.8	6.3	3.4	1.9	1.1	0.6	0.3	0.2	0.0
145	13.5	6.1	3.4	2.0	1.1	0.6	0.4	0.1	0.1
150	13.3	6.1	3.3	1.9	1.1	0.6	0.2	0.1	0.0
155	13.0	6.0	3.3	1.9	1.1	0.6	0.3	0.1	0.0
160	12.7	5.9	3.3	1.9	1.1	0.5	0.3	0.1	0.1
165	12.4	5.8	3.2	1.8	1.1	0.5	0.3	0.1	0.0
170	12.1	5.7	3.1	1.8	1.0	0.5	0.1	0.1	0.0
175	11.8	5.5	3.1	1.8	1.0	0.4	0.3	0.2	0.0
180	11.4	5.5	3.0	1.8	1.0	0.6	0.2	0.2	0.1
185	11.1	5.4	3.0	1.8	1.0	0.5	0.2	0.2	0.0
190	10.8	5.3	2.9	1.7	0.9	0.5	0.2	0.2	0.0
195	10.5	5.2	2.9	1.7	0.9	0.5	0.3	0.2	0.1
200	10.2	5.1	2.8	1.7	0.9	0.5	0.2	0.1	0.1
205	10.0	5.1	2.8	1.6	1.0	0.6	0.3	0.2	0.1
210	9.7	5.0	2.9	1.7	1.0	0.6	0.3	0.2	0.0
215	9.6	4.9	2.7	1.6	0.9	0.5	0.4	0.1	0.1
220	9.5	4.9	2.7	1.6	1.0	0.6	0.4	0.2	0.1
225	9.3	4.9	2.8	1.7	0.9	0.5	0.4	0.2	0.1
230	9.2	4.8	2.8	1.7	1.0	0.6	0.4	0.2	0.1
235	9.0	4.7	2.8	1.7	1.0	0.7	0.4	0.2	0.2
240	8.8	4.7	2.7	1.7	0.9	0.7	0.3	0.3	0.3
245	8.7	4.7	2.8	1.6	0.9	0.6	0.3	0.3	0.2
250	8.5	4.6	2.6	1.7	0.9	0.6	0.4	0.3	0.2
255	8.4	4.5	2.6	1.6	0.9	0.7	0.4	0.3	0.3
260	8.3	4.5	2.6	1.6	0.9	0.6	0.4	0.2	0.2
265	8.1	4.4	2.6	1.6	0.9	0.6	0.3	0.3	0.2
270	8.0	4.4	2.5	1.5	0.9	0.6	0.5	0.3	0.2
275	7.9	4.2	2.4	1.5	0.9	0.5	0.3	0.2	0.2
280	7.7	4.2	2.4	1.5	0.9	0.6	0.3	0.2	0.2
285	7.6	4.1	2.3	1.4	0.9	0.6	0.3	0.1	0.2
290	7.5	4.0	2.4	1.4	0.8	0.5	0.3	0.1	0.2
295	7.5	4.0	2.3	1.4	0.8	0.4	0.3	0.2	0.2
300	7.3	4.0	2.3	1.3	0.8	0.3	0.3	0.2	0.1
305	7.3	3.9	2.3	1.3	0.8	0.4	0.2	0.1	0.1
310	7.4	4.0	2.3	1.3	0.8	0.5	0.2	0.1	0.0
315	7.4	4.0	2.2	1.3	0.7	0.3	0.3	0.1	0.1
320	7.4	4.0	2.3	1.4	0.7	0.4	0.3	0.1	0.0
325	7.6	4.0	2.3	1.4	0.7	0.3	0.1	0.1	0.1
330	7.6	4.1	2.3	1.4	0.7	0.4	0.2	0.0	0.0
335	7.7	4.1	2.3	1.4	0.8	0.4	0.2	0.0	0.0
340	7.9	4.1	2.3	1.3	0.7	0.5	0.2	0.0	0.0
345	8.0	4.2	2.4	1.4	0.7	0.5	0.2	0.1	0.1

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Photometric Data Table [Unit:cd] RLH-4003-UDM-1648-30

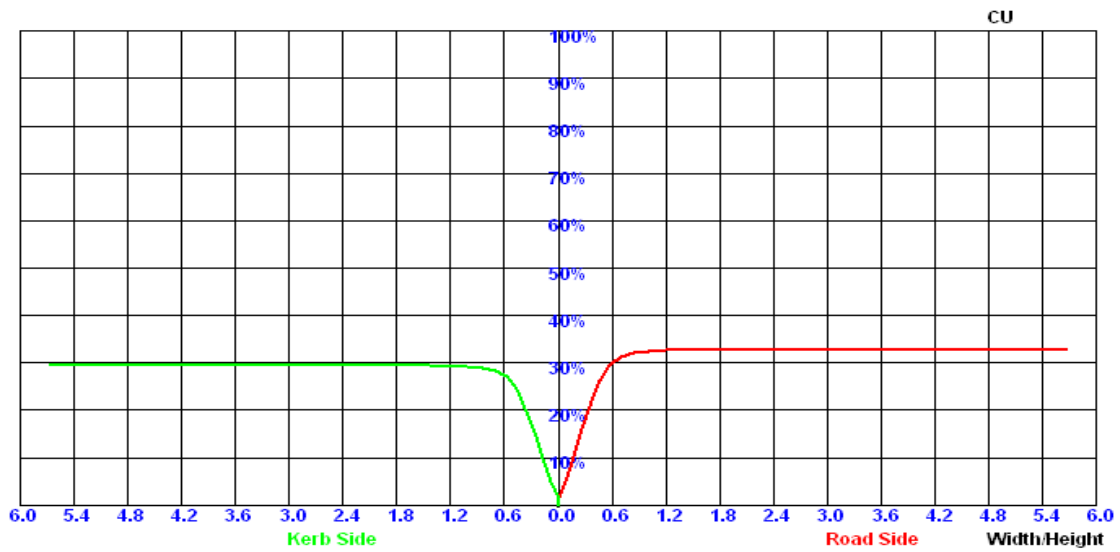
350	8.2	4.3	2.5	1.5	0.8	0.4	0.2	0.0	0.1
355	8.3	4.3	2.4	1.5	0.8	0.4	0.2	0.1	0.0
360	8.6	4.4	2.5	1.5	0.8	0.4	0.2	0.1	0.0

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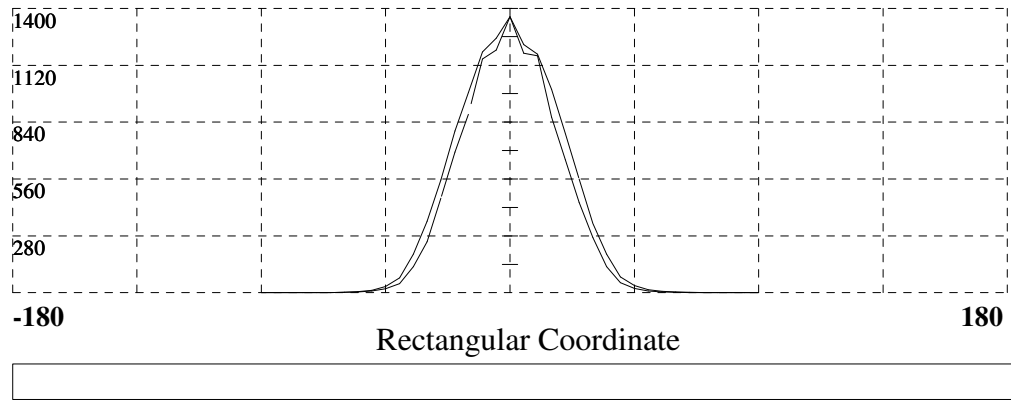
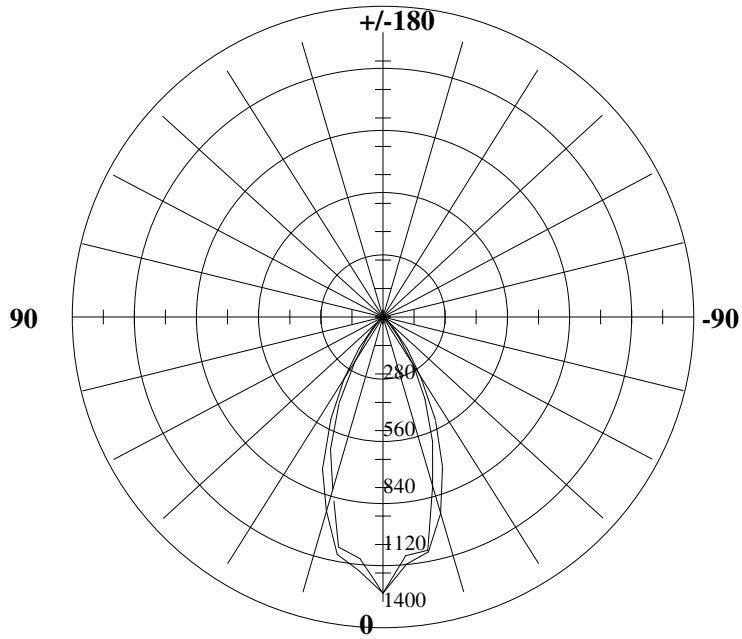
Zonal FluxRLH-4003-UDM-1648-30

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	1359.44	0.00	0.00	0.00	0.00
5	1212.25	30.74	30.74	2.56	2.56
10	1167.83	85.14	115.89	7.10	9.66
15	931.66	124.54	240.43	10.38	20.04
20	731.64	137.08	377.51	11.42	31.46
25	510.32	130.26	507.77	10.85	42.31
30	305.81	103.28	611.05	8.61	50.92
35	157.61	68.24	679.29	5.69	56.61
40	61.66	36.58	715.88	3.05	59.66
45	26.90	16.40	732.27	1.37	61.02
50	10.61	7.58	739.85	0.63	61.65
55	5.26	3.45	743.30	0.29	61.94
60	2.96	1.90	745.20	0.16	62.10
65	1.74	1.14	746.35	0.10	62.20
70	0.98	0.69	747.04	0.06	62.25
75	0.55	0.40	747.44	0.03	62.29
80	0.30	0.23	747.66	0.02	62.31
85	0.15	0.12	747.79	0.01	62.32
90	0.08	0.06	747.85	0.01	62.32

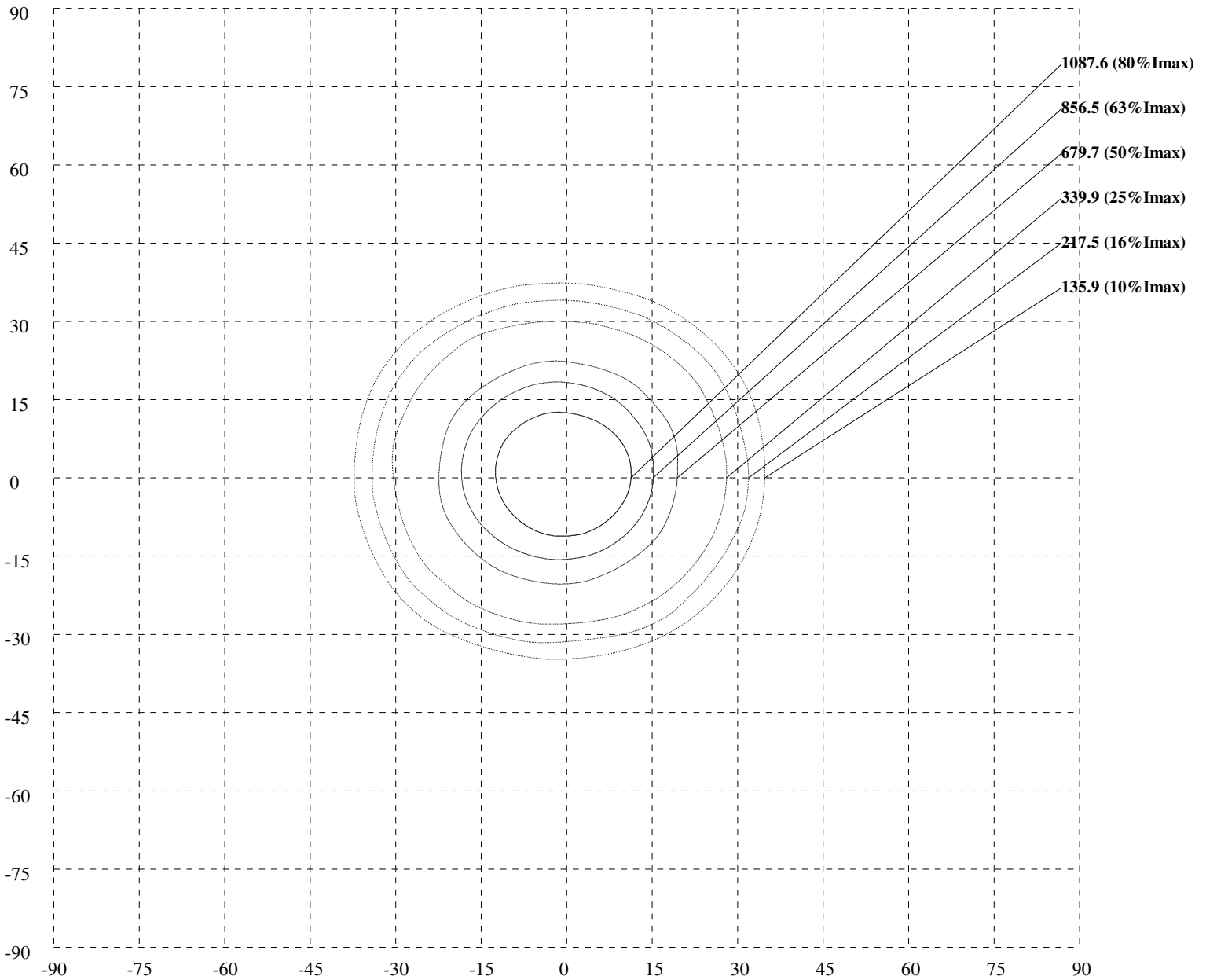
JESCO LIGHTING
Coefficient Utilization Curve RLH-4003-UDM-1648-30



Light Distribution Curve[Unit: cd]

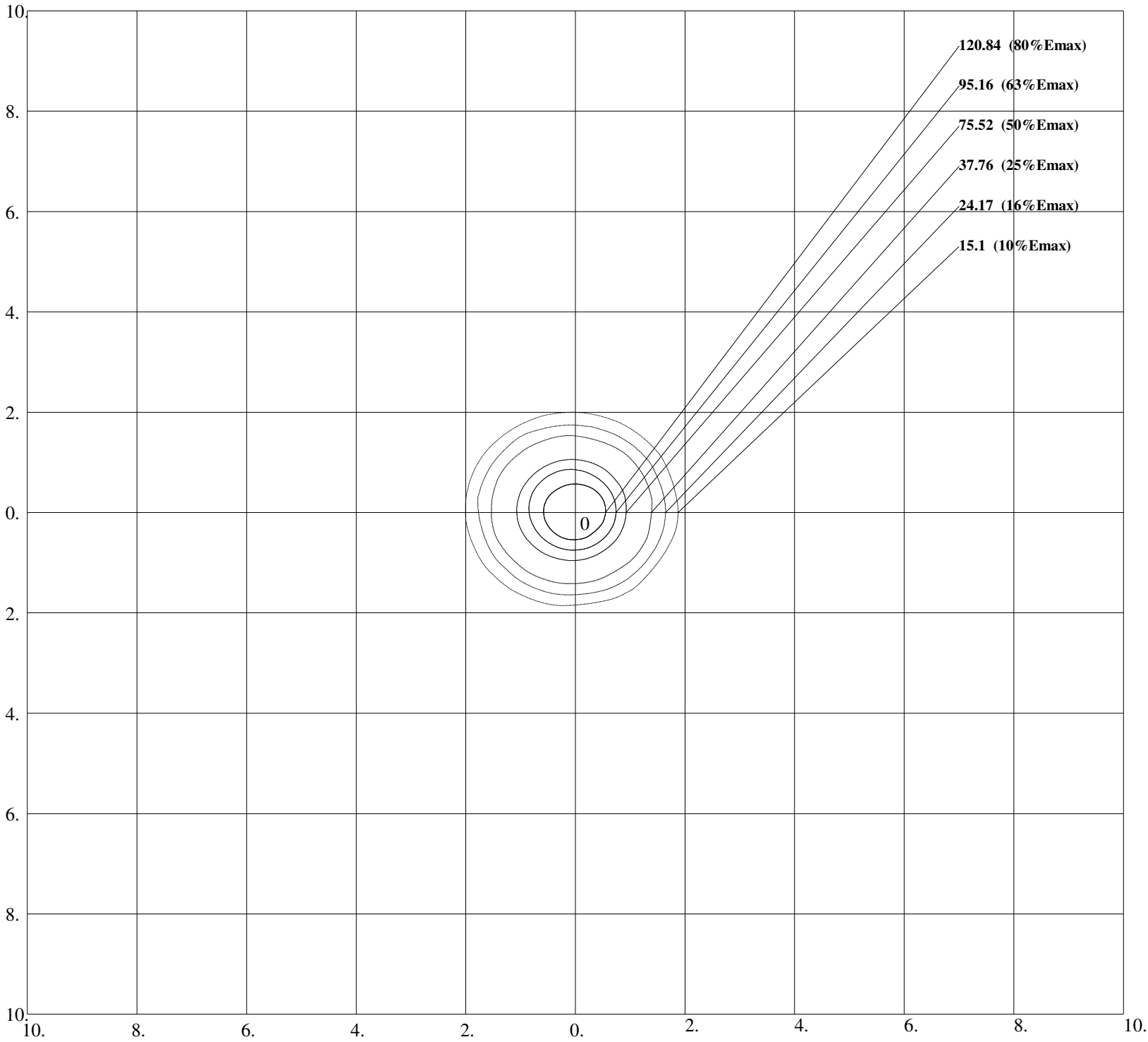


ISO-Candela V-H [Unit :cd]RLH-4003-UDM-1648-30



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Iso-Lux [Unit :lx]RLH-4003-UDM-1648-30



Units: lx
Height: 3 m
Max Illuminance : 151.05lx

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Lux-Distance Curve

