



JESCO LIGHTING

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Email:

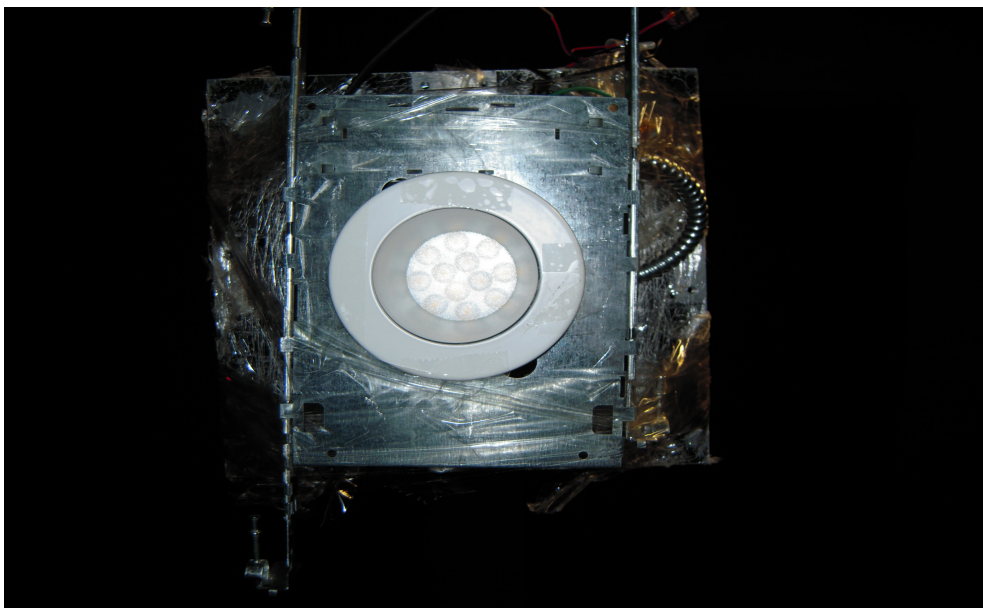
Website:WWW.jescolighting.com

Test Report of Luminaire

Report No.:

Luminaire Type	RLH-3511N-IC-40		
Lamp Type	LUMILEDS -10W		
Client		EUT NO.	
Luminaire Parameters:			
Voltage	119.9	Current	0.094
Power:	10.4	Power Factor	0.92
Frequency:	60Hz	Tc	4000K
Photometric Parameters			
Luminaire Flux	350.67 lm	Luminaire Eff.	43.83%
Max Intensity	492.445cd	Central Intensity	471.316cd
Angle of Max Intensity:	C:240 G:5		
Upward Flux Ratio	0.0%		
Downward Flux Ratio	43.83%		
50%Imax Beam Width	C0_180[19.7 , -23.1] C90_270[19.6 , -23.9]		
Remark			

Luminaire Figure



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Photometric Data Table [Unit:cd] RLH-3511N-IC-40

C\G	0	5	10	15	20	25	30	35	40	45
0	471.3	429.4	381.9	312.6	242.5	179.5	117.1	79.7	57.4	38.8
5	471.3	426.5	378.7	308.9	241.5	179.6	115.8	78.6	57.4	38.3
10	471.3	424.8	377.6	303.2	239.4	176.6	114.7	77.6	56.7	37.6
15	471.3	422.6	376.0	298.7	237.9	168.5	113.6	76.8	55.8	37.0
20	471.3	421.6	376.7	297.0	237.5	163.0	113.6	75.6	54.4	36.5
25	471.3	420.3	377.2	296.5	237.8	160.4	114.8	74.6	53.3	36.0
30	471.3	419.2	375.6	296.0	238.5	158.9	116.5	73.7	52.6	35.7
35	471.3	419.5	372.8	295.5	236.0	158.2	117.2	73.4	52.3	35.3
40	471.3	419.6	369.0	294.9	233.5	158.3	115.4	73.5	52.5	35.1
45	471.3	420.6	364.6	294.6	232.5	159.8	113.5	74.0	53.1	34.9
50	471.3	421.6	360.7	293.5	231.9	162.0	113.0	74.6	53.8	34.9
55	471.3	422.7	357.8	292.6	232.0	165.9	112.5	75.1	54.4	34.9
60	471.3	424.1	356.1	292.1	232.3	171.4	112.5	75.5	54.9	35.0
65	471.3	424.3	355.9	293.3	232.8	171.3	112.5	75.5	54.9	35.0
70	471.3	425.3	357.6	295.3	233.1	165.7	112.7	75.1	54.4	35.2
75	471.3	424.3	360.1	297.0	234.0	162.0	113.1	74.8	53.7	35.4
80	471.3	424.9	364.7	297.6	235.2	160.2	114.2	74.3	53.3	35.9
85	471.3	424.2	369.2	298.5	237.4	159.6	116.5	74.4	53.1	36.2
90	471.3	423.5	373.9	299.4	241.9	160.1	119.4	74.5	53.2	36.6
95	471.3	424.0	377.5	300.0	246.2	161.4	119.2	75.4	54.0	37.1
100	471.3	424.9	379.3	301.5	245.9	163.6	117.8	76.4	55.0	37.6
105	471.3	425.4	379.9	302.7	244.9	167.6	117.2	77.6	56.2	38.3
110	471.3	427.5	380.1	305.2	245.8	176.0	118.1	78.6	57.3	39.0
115	471.3	429.5	380.7	310.7	247.5	186.1	119.7	79.5	58.2	39.6
120	471.3	432.3	382.4	318.1	249.7	188.3	121.5	80.8	58.6	40.3
125	471.3	435.6	385.4	322.6	251.6	188.9	124.0	82.3	58.8	41.0
130	471.3	438.4	390.9	324.0	254.1	187.7	129.1	84.1	58.7	41.7
135	471.3	440.0	396.8	324.3	260.4	185.3	134.5	85.9	58.6	42.1
140	471.3	442.7	404.0	324.1	269.9	182.3	135.1	87.7	58.6	42.7
145	471.3	443.7	410.3	325.8	276.4	182.0	136.3	89.2	59.4	43.5
150	471.3	446.0	414.5	328.2	278.1	187.1	139.3	91.6	60.9	44.6
155	471.3	448.6	418.2	333.2	277.7	197.6	143.4	94.2	62.8	45.8
160	471.3	450.2	422.4	341.1	275.3	206.9	146.7	97.6	64.9	47.4
165	471.3	453.0	426.5	347.9	274.0	211.1	148.8	101.2	66.7	48.8
170	471.3	457.6	431.3	352.8	274.1	213.6	154.2	103.0	67.9	49.8
175	471.3	460.5	436.3	357.3	277.5	217.8	158.6	104.8	68.3	50.3
180	471.3	463.9	440.7	363.0	285.5	222.3	158.0	105.8	68.6	50.3
185	471.3	466.9	443.0	369.6	292.6	225.5	156.7	108.5	68.8	50.2
190	471.3	471.2	444.6	379.2	296.0	231.4	156.7	113.6	69.3	50.2
195	471.3	475.8	446.5	387.3	298.0	238.8	157.5	118.9	70.1	50.4
200	471.3	478.9	448.6	394.8	299.9	242.3	159.3	118.8	70.8	50.8
205	471.3	482.7	453.4	400.0	301.5	238.5	162.3	118.0	72.1	51.8
210	471.3	484.1	458.6	402.0	304.3	237.2	167.9	116.1	73.2	52.7
215	471.3	487.2	463.6	402.6	308.8	237.5	175.4	115.0	74.1	53.8
220	471.3	488.7	466.3	404.8	312.7	238.3	180.6	115.2	74.5	54.1
225	471.3	490.4	467.1	407.7	315.2	238.9	180.9	116.2	74.9	54.1
230	471.3	492.3	467.1	411.0	312.9	240.8	173.7	119.4	75.1	53.6
235	471.3	490.6	465.5	412.3	309.2	247.6	165.7	123.4	74.8	52.8

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Photometric Data Table [Unit:cd] RLH-3511N-IC-40

240	471.3	492.4	464.2	412.7	306.5	254.3	162.8	123.9	74.7	52.2
245	471.3	489.0	462.7	412.5	305.9	253.0	161.8	123.9	74.3	51.8
250	471.3	490.9	461.9	411.7	307.0	245.0	162.8	122.4	74.1	52.1
255	471.3	487.7	461.2	408.0	310.4	237.1	168.6	117.0	73.7	52.8
260	471.3	484.4	459.8	403.1	314.4	233.6	174.1	112.9	73.2	53.4
265	471.3	484.0	457.1	399.1	311.5	232.2	174.9	110.6	72.7	53.5
270	471.3	478.9	452.0	394.6	303.5	229.9	170.1	109.5	72.0	53.3
275	471.3	475.5	444.9	390.7	294.0	228.2	160.5	109.2	71.2	52.4
280	471.3	471.2	439.8	387.1	289.3	229.3	152.3	109.4	70.0	51.1
285	471.3	465.3	435.3	382.3	287.2	231.5	148.1	110.7	68.7	49.9
290	471.3	462.6	432.2	374.4	284.4	226.9	146.0	110.5	67.6	49.1
295	471.3	458.8	430.2	364.7	282.3	218.9	144.8	106.2	66.7	48.6
300	471.3	455.6	428.9	355.1	277.8	213.3	144.6	102.3	66.1	48.5
305	471.3	451.6	425.9	347.3	270.5	208.1	145.6	99.5	66.0	48.3
310	471.3	448.6	422.0	342.1	262.8	202.7	146.3	97.4	65.7	47.9
315	471.3	446.6	418.0	338.0	260.6	198.0	142.3	95.6	64.9	46.7
320	471.3	443.6	412.5	332.5	262.1	194.5	139.4	93.2	63.8	45.5
325	471.3	441.9	407.9	325.2	263.8	190.9	135.8	90.4	62.1	44.4
330	471.3	439.4	404.0	317.8	264.5	181.3	131.5	88.0	60.2	43.3
335	471.3	436.3	400.5	313.1	263.9	173.0	128.2	86.0	58.6	42.3
340	471.3	435.3	396.7	310.8	261.5	170.0	125.9	84.2	57.4	41.4
345	471.3	433.2	392.2	310.8	254.9	170.3	125.0	83.0	56.9	40.7
350	471.3	431.6	388.3	310.9	246.6	172.1	124.4	81.7	57.0	40.1
355	471.3	429.4	383.6	312.1	242.8	176.1	119.7	80.4	57.2	39.4
360	471.3	429.4	381.9	312.6	242.5	179.5	117.1	79.7	57.4	38.8

C\G	50	55	60	65	70	75	80	85	90
0	24.3	14.7	8.6	5.2	3.1	1.9	1.1	0.6	0.3
5	23.8	14.3	8.4	5.0	3.0	1.9	0.9	0.7	0.3
10	23.3	14.0	8.3	4.9	3.0	1.9	1.0	0.6	0.3
15	22.8	13.7	8.2	4.9	3.0	1.7	1.1	0.6	0.3
20	22.6	13.4	8.0	4.8	2.8	1.7	1.1	0.7	0.3
25	22.3	13.3	7.8	4.7	2.9	1.7	1.1	0.6	0.2
30	21.9	13.0	7.8	4.6	2.8	1.7	1.0	0.6	0.3
35	21.7	12.9	7.8	4.7	2.7	1.7	1.1	0.5	0.3
40	21.6	12.8	7.7	4.6	2.8	1.7	0.9	0.5	0.2
45	21.4	12.8	7.7	4.6	2.7	1.8	1.0	0.4	0.2
50	21.4	12.8	7.6	4.5	2.9	1.6	1.0	0.4	0.3
55	21.4	12.7	7.6	4.6	2.9	1.8	1.0	0.5	0.2
60	21.4	12.8	7.6	4.7	2.8	1.8	1.2	0.6	0.2
65	21.5	12.9	7.7	4.7	2.9	1.8	1.0	0.4	0.1
70	21.7	12.9	7.8	4.7	2.9	1.8	1.0	0.4	0.3
75	21.9	13.1	7.9	4.7	2.9	1.9	1.2	0.5	0.2
80	22.2	13.3	8.0	4.8	3.0	1.8	1.2	0.5	0.3
85	22.5	13.5	8.2	5.0	3.1	1.9	1.1	0.6	0.2
90	22.8	13.8	8.2	5.0	3.1	1.9	1.2	0.5	0.2
95	23.1	14.0	8.4	5.1	3.3	2.0	1.1	0.7	0.2
100	23.6	14.3	8.6	5.2	3.2	2.1	1.3	0.7	0.2

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Photometric Data Table [Unit:cd] RLH-3511N-IC-40

105	24.0	14.6	8.7	5.4	3.4	2.0	1.4	0.8	0.3
110	24.4	14.9	9.0	5.4	3.4	2.1	1.3	0.9	0.2
115	24.9	15.1	9.1	5.7	3.5	2.1	1.4	0.9	0.2
120	25.6	15.5	9.5	5.8	3.6	2.1	1.4	1.0	0.3
125	26.1	15.8	9.6	5.9	3.6	2.3	1.5	1.0	0.2
130	26.7	16.4	9.9	6.1	3.7	2.3	1.5	1.1	0.2
135	27.3	16.7	10.2	6.2	3.9	2.5	1.5	1.1	0.2
140	27.9	17.2	10.5	6.3	4.0	2.5	1.5	1.1	0.2
145	28.6	17.6	10.6	6.6	4.0	2.6	1.6	1.1	0.2
150	29.4	18.1	11.0	6.7	4.1	2.5	1.7	1.1	0.2
155	29.9	18.5	11.3	6.9	4.3	2.7	1.7	1.1	0.3
160	30.8	19.0	11.6	7.0	4.3	2.8	1.8	1.1	0.3
165	31.3	19.6	11.9	7.2	4.5	2.8	1.7	1.1	0.2
170	32.0	20.1	12.1	7.4	4.5	2.8	1.8	1.1	0.4
175	32.9	20.5	12.5	7.6	4.7	2.9	1.8	1.1	0.6
180	33.5	21.0	12.8	7.7	4.8	2.9	1.8	1.2	0.7
185	34.0	21.4	13.1	7.9	4.9	3.1	1.8	1.3	0.6
190	34.5	22.0	13.4	8.0	5.0	3.1	2.0	1.2	0.6
195	35.1	22.3	13.6	8.3	5.0	3.1	2.0	1.3	0.7
200	35.7	22.7	13.9	8.3	5.1	3.2	1.9	1.3	0.7
205	36.1	23.1	14.0	8.5	5.2	3.1	2.0	1.3	0.8
210	36.6	23.4	14.2	8.5	5.2	3.2	1.9	1.1	0.8
215	36.9	23.6	14.4	8.7	5.2	3.4	2.0	1.3	0.7
220	37.2	23.8	14.5	8.7	5.2	3.2	2.1	1.2	0.8
225	37.4	24.0	14.6	8.7	5.3	3.2	2.0	1.2	0.7
230	37.5	24.1	14.6	8.8	5.4	3.3	2.0	1.2	0.7
235	37.4	24.1	14.7	8.7	5.4	3.3	2.0	1.2	0.7
240	37.5	24.3	14.7	8.7	5.2	3.2	1.9	1.2	0.7
245	37.4	24.2	14.6	8.7	5.2	3.1	1.9	1.2	0.6
250	37.3	24.2	14.6	8.6	5.3	3.1	1.9	1.2	0.7
255	37.3	23.9	14.5	8.7	5.1	3.2	2.0	1.1	0.6
260	37.1	23.8	14.4	8.6	5.1	3.1	1.9	1.1	0.7
265	37.0	23.6	14.2	8.4	5.0	3.0	1.8	1.1	0.6
270	36.4	23.3	14.0	8.3	4.9	3.0	1.8	1.1	0.6
275	36.1	23.0	13.8	8.1	4.8	3.0	1.7	1.0	0.6
280	35.5	22.5	13.5	8.0	4.7	2.9	1.8	1.0	0.5
285	34.9	22.1	13.2	7.8	4.7	2.8	1.8	0.9	0.5
290	34.3	21.7	13.0	7.7	4.6	2.7	1.6	1.0	0.5
295	33.7	21.1	12.7	7.6	4.5	2.6	1.5	1.0	0.5
300	32.9	20.6	12.4	7.3	4.4	2.5	1.5	0.9	0.4
305	32.2	19.9	11.9	7.0	4.2	2.5	1.6	0.9	0.3
310	31.4	19.4	11.5	6.8	4.1	2.4	1.4	0.8	0.4
315	30.6	18.8	11.3	6.7	4.0	2.3	1.4	0.9	0.3
320	29.8	18.3	10.8	6.5	3.8	2.2	1.4	0.7	0.2
325	29.0	17.7	10.5	6.2	3.7	2.2	1.2	0.7	0.2
330	28.3	17.1	10.2	6.1	3.6	2.2	1.2	0.8	0.2
335	27.4	16.6	9.9	5.9	3.5	2.1	1.3	0.8	0.2
340	26.8	16.1	9.6	5.8	3.5	2.0	1.2	0.7	0.1
345	26.1	15.6	9.3	5.6	3.4	1.9	1.2	0.7	0.2

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Photometric Data Table [Unit:cd] RLH-3511N-IC-40

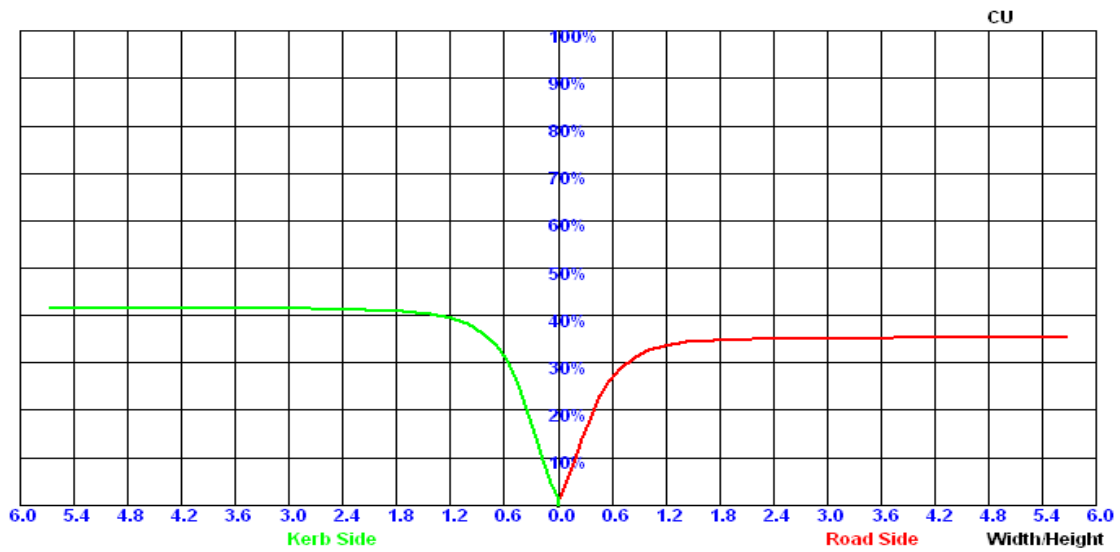
350	25.3	15.3	9.1	5.4	3.2	1.8	1.0	0.6	0.2
355	24.8	14.9	8.8	5.3	3.1	1.8	1.1	0.7	0.2
360	24.3	14.7	8.6	5.2	3.1	1.9	1.1	0.6	0.3

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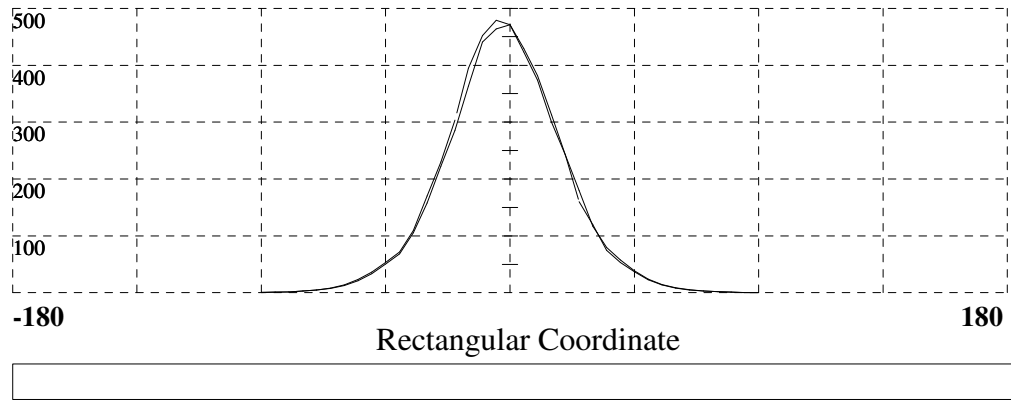
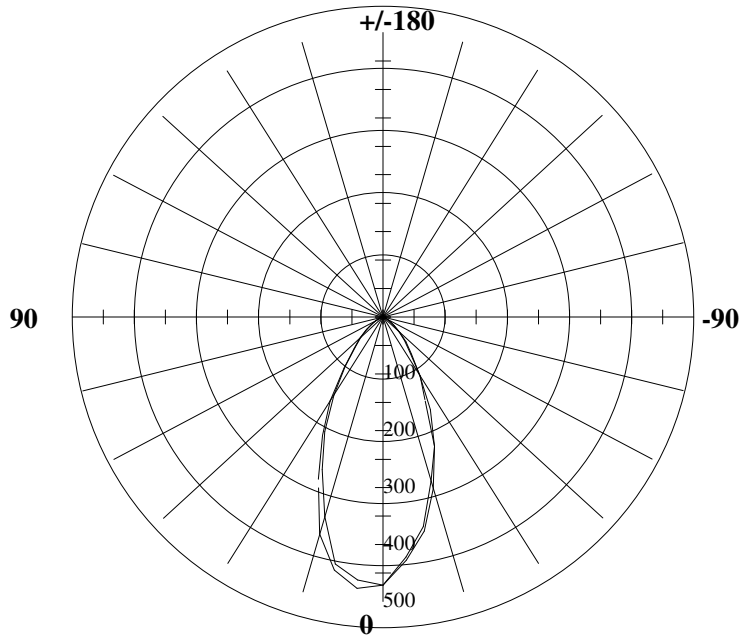
Zonal FluxRLH-3511N-IC-40

Gamma [°]	I_{mean} [cd]	Zonal Flux [lm]	Sum.Flux [lm]	Zonal Flux [%]	Sum.Flux [%]
0	471.32	0.00	0.00	0.00	0.00
5	448.96	11.00	11.00	0.92	0.92
10	410.69	30.75	41.75	2.56	3.48
15	341.21	44.60	86.36	3.72	7.20
20	268.07	50.21	136.57	4.18	11.38
25	197.97	48.88	185.45	4.07	15.45
30	138.50	42.58	228.03	3.55	19.00
35	93.87	34.22	262.25	2.85	21.85
40	62.75	26.13	288.38	2.18	24.03
45	44.27	19.81	308.19	1.65	25.68
50	29.19	14.84	323.04	1.24	26.92
55	18.11	10.29	333.32	0.86	27.78
60	10.92	6.71	340.03	0.56	28.34
65	6.56	4.25	344.28	0.35	28.69
70	3.98	2.67	346.95	0.22	28.91
75	2.43	1.67	348.62	0.14	29.05
80	1.49	1.05	349.67	0.09	29.14
85	0.89	0.65	350.32	0.05	29.19
90	0.39	0.35	350.67	0.03	29.22

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Coefficient Utilization Curve RLH-3511N-IC-40

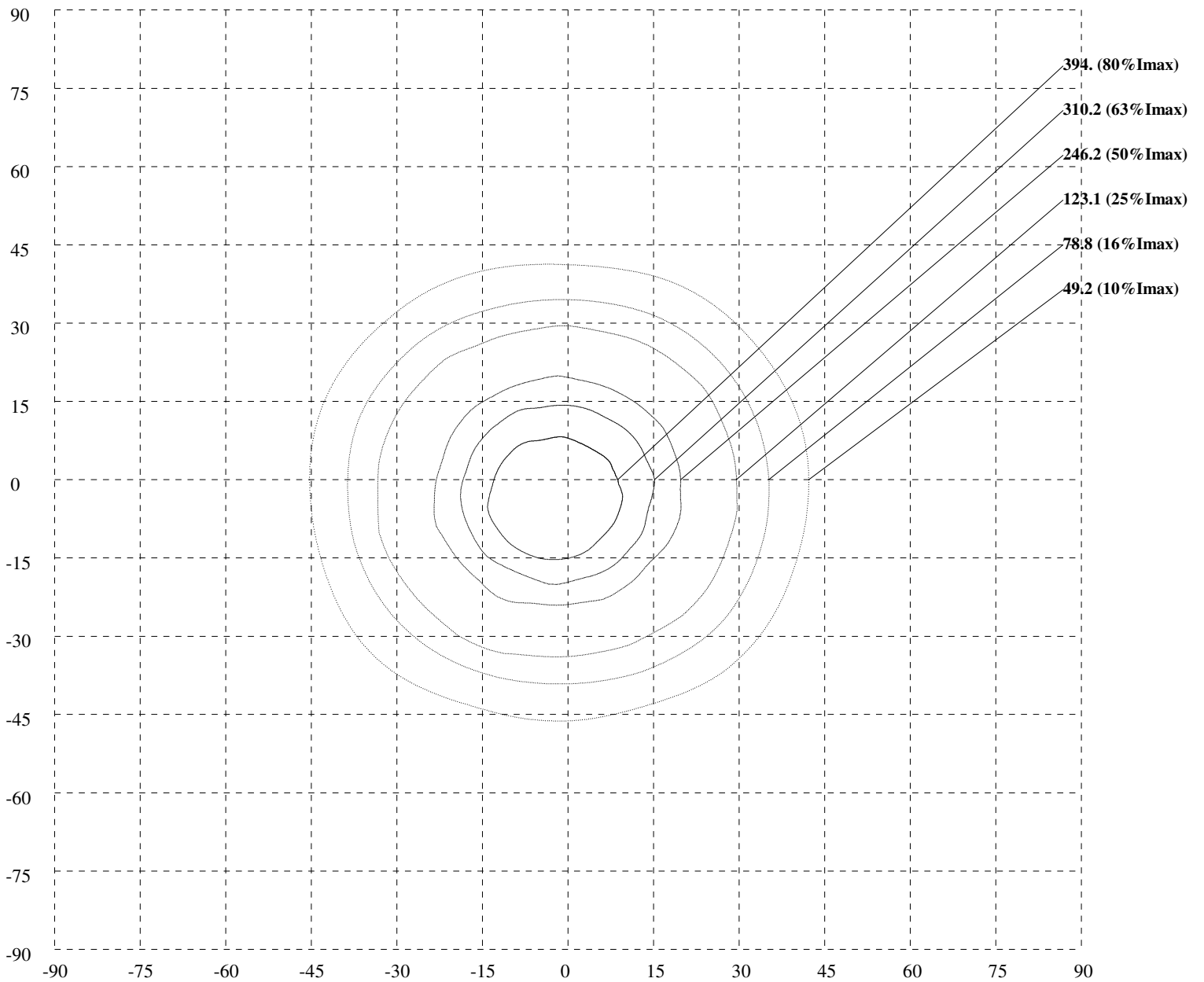


Light Distribution Curve[Unit: cd]



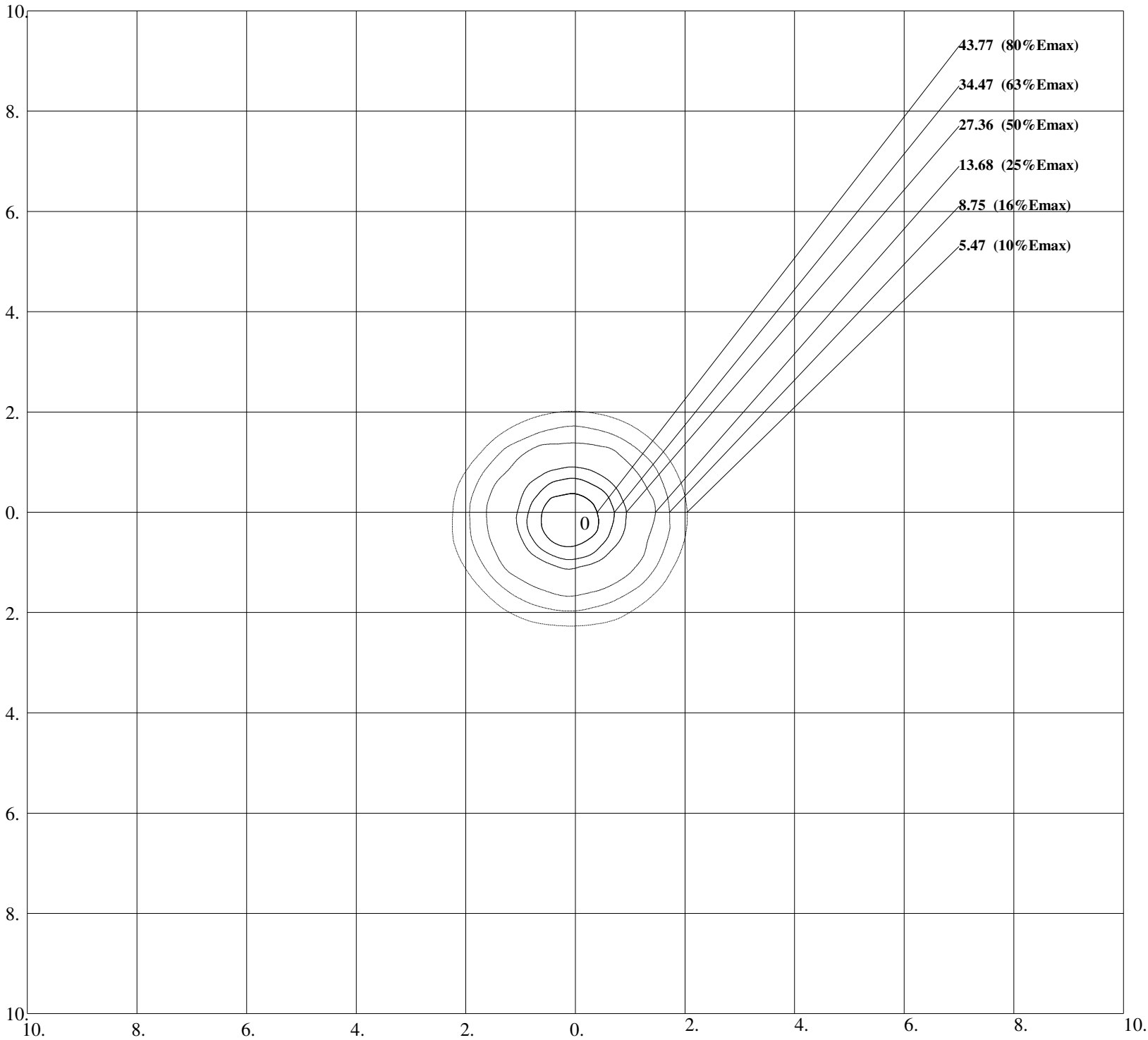
JESCO LIGHTING

ISO-Candela V-H [Unit :cd]RLH-3511N-IC-40



JESCO LIGHTING

Iso-Lux [Unit :lx]RLH-3511N-IC-40



Units: lx
Height: 3 m
Max Illuminance : 54.72lx

JESCO LIGHTING
Lux-Distance Curve

