

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P1219593

Luminaire Tested: **LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1219593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29056)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° NARROW FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

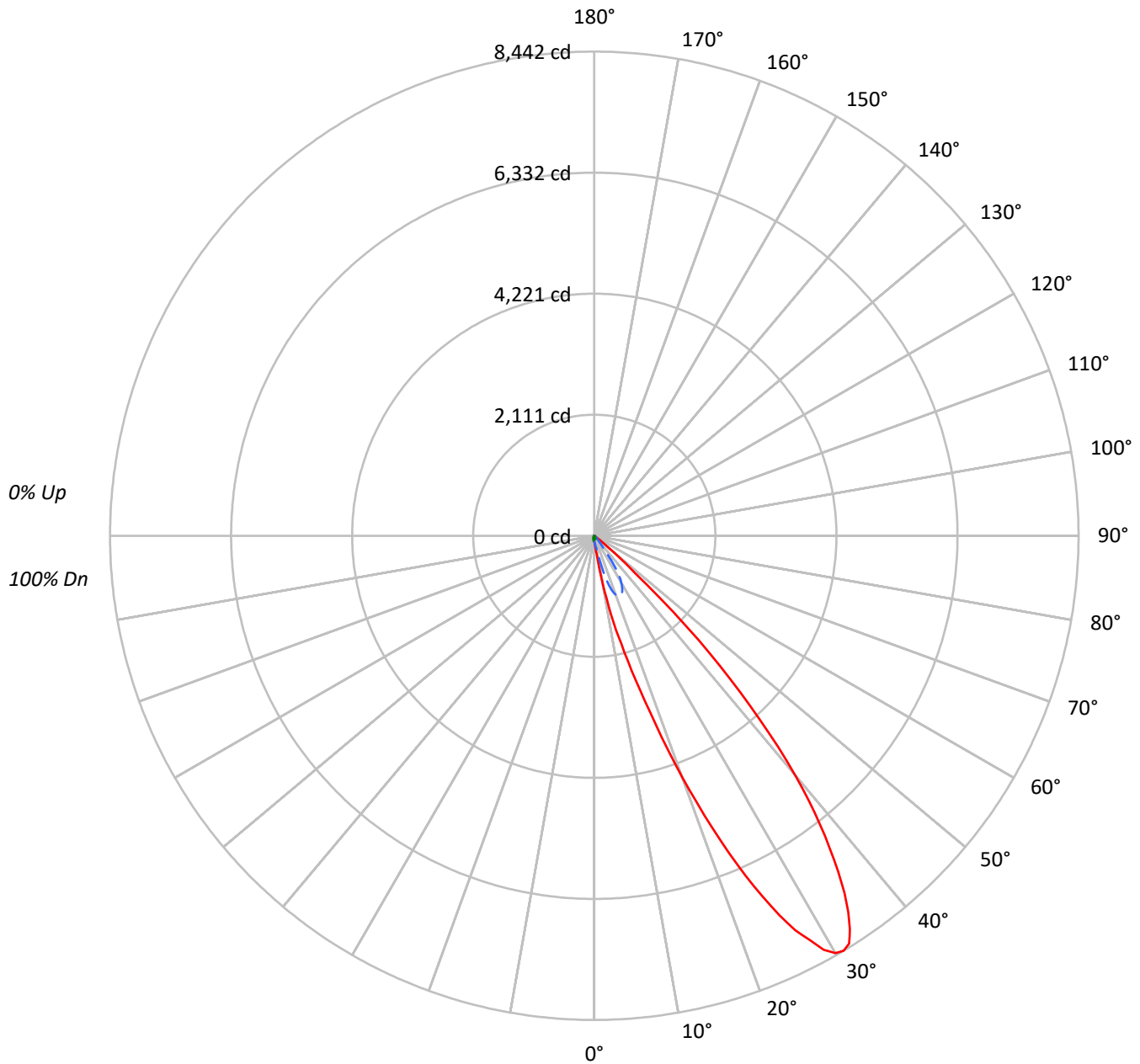
Lumens per Lamp: N/A
Luminaire Lumens: 1473.3 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 2.38 / 0.63 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 20.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4275	4275	4275
5°	8540	4149	2805
10°	38399	3629	2094
15°	100663	2969	1689
20°	204952	2250	1420
25°	329791	1658	1207
30°	417727	1178	1064
35°	399592	773	951
40°	306391	472	888
45°	155823	311	822
50°	23893	228	717
55°	3138	210	510
60°	344	198	344
65°	51	234	285
70°	63	352	352
75°	0	466	283
80°	0	570	273
85°	0	1136	247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.9
10°-20°	145.7	9.9
20°-30°	477.0	32.4
30°-40°	580.6	39.4
40°-50°	235.9	16.0
50°-60°	14.0	1.0
60°-70°	2.7	0.2
70°-80°	2.4	0.2
80°-90°	1.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	635.9	43.2
0°-40°	1216.6	82.6
0°-60°	1466.4	99.5
0°-90°	1473.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	99	99	99	99	99	
5°	198	151	96	71	65	37
15°	2258	753	67	41	38	735
25°	6942	1120	35	24	25	3190
35°	7602	448	15	14	18	4598
45°	2559	51	5	9	14	1963
55°	42	5	3	6	7	72
65°	0	2	2	4	3	1
75°	0	2	3	3	2	0
85°	0	2	2	2	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	140.0	133.7	136.6	136.0	133.7	134.4	135.5	133.2	134.4	130.9	131.6
5°	197.6	188.6	193.6	187.9	190.7	187.9	187.9	184.6	181.8	181.2	178.4
7.5°	344.9	322.8	329.7	305.3	309.3	301.4	294.1	286.2	272.6	265.8	251.2
10°	878.3	816.2	830.9	777.8	776.7	758.1	723.6	699.9	649.7	614.1	563.3
11°	1110.8	1068.5	1081.5	1023.4	1020.4	995.1	954.4	891.3	863.0	815.6	752.4
12°	1414.5	1343.4	1351.3	1287.5	1281.3	1247.4	1201.7	1123.8	1089.9	1032.3	957.8
13°	1690.5	1627.3	1627.8	1558.4	1551.1	1508.2	1458.0	1363.6	1325.9	1261.5	1171.8
14°	1943.9	1895.9	1886.4	1849.1	1809.6	1759.4	1706.3	1599.6	1557.8	1485.6	1382.9
15°	2258.3	2164.7	2145.9	2099.1	2051.2	1988.0	1923.1	1801.1	1754.8	1675.2	1573.1
17.5°	3185.6	3070.0	3019.1	2923.8	2833.5	2712.1	2571.6	2355.4	2248.7	2105.9	1946.2
20°	4473.1	4290.8	4188.7	4035.7	3890.1	3691.4	3448.7	3108.4	2950.3	2673.7	2411.9
21°	4982.8	4825.9	4697.8	4525.7	4353.4	4118.1	3829.7	3469.5	3225.8	2902.3	2595.3
22°	5497.5	5348.6	5199.0	5009.9	4817.5	4542.6	4210.1	3792.5	3499.5	3121.9	2768.0
23°	6004.4	5853.2	5738.0	5478.9	5260.0	4950.1	4581.5	4104.0	3763.7	3330.7	2930.5
24°	6491.0	6325.6	6182.3	5920.9	5673.1	5328.2	4931.5	4406.6	4018.8	3530.0	3081.2
25°	6942.0	6759.7	6583.6	6314.9	6045.6	5669.1	5240.2	4680.3	4251.3	3710.6	3218.4
26°	7356.9	7107.9	6916.6	6668.3	6362.3	5967.2	5511.7	4916.8	4451.7	3861.3	3326.2
27°	7716.4	7464.6	7245.1	6979.2	6637.8	6212.1	5735.8	5086.6	4610.3	3974.2	3401.3
28°	7977.7	7765.0	7512.0	7225.9	6850.6	6380.9	5887.6	5222.2	4705.7	4032.9	3432.3
29°	8254.9	8012.7	7718.0	7392.9	6984.3	6487.0	5971.2	5292.7	4745.2	4046.4	3426.1
30°	8402.2	8179.2	7832.7	7478.2	7041.8	6520.9	5989.3	5303.5	4732.8	4013.7	3385.5
31°	8441.7	8233.4	7849.6	7479.9	7023.8	6487.6	5944.6	5248.2	4665.6	3937.5	3309.8
32°	8384.7	8176.4	7778.0	7407.6	6940.9	6394.4	5846.5	5149.4	4556.1	3823.5	3202.1
33°	8179.8	8011.0	7626.6	7270.5	6814.4	6256.2	5701.9	4988.5	4385.7	3675.6	3072.3
34°	7917.9	7760.4	7405.9	7040.8	6614.1	6066.5	5502.6	4793.8	4189.8	3493.9	2918.1
35°	7602.4	7447.1	7120.4	6757.4	6348.8	5814.2	5247.5	4549.4	3958.3	3288.4	2747.1
36°	7230.4	7069.0	6767.0	6421.6	6049.6	5509.4	4945.6	4268.3	3695.3	3064.9	2564.2
37°	6821.2	6658.6	6388.8	6068.8	5700.8	5166.3	4607.5	3958.3	3417.6	2832.9	2372.9
38°	6389.4	6238.1	5993.2	5673.7	5309.6	4784.7	4237.8	3675.0	3134.9	2598.1	2179.3
39°	5946.3	5787.2	5556.3	5242.4	4884.6	4366.4	3852.3	3349.3	2891.0	2367.2	2001.5
40°	5451.3	5301.2	5033.6	4787.5	4428.5	3935.3	3466.2	2989.8	2620.1	2145.4	1840.1
42.5°	4032.3	3914.9	3772.1	3519.8	3254.6	2900.7	2572.6	2242.4	1973.8	1704.6	1480.5
45°	2559.1	2472.8	2399.4	2242.4	2135.2	1936.0	1766.6	1598.0	1470.9	1329.8	1080.9
47.5°	947.1	906.5	880.6	811.6	805.5	741.6	735.5	816.7	864.8	813.9	612.5
50°	356.7	346.5	340.4	318.9	304.2	274.9	252.8	236.5	203.2	180.0	161.4
51°	234.2	226.9	216.2	214.4	208.3	191.9	181.8	178.4	155.8	131.6	112.8
52°	149.0	144.5	137.7	138.3	134.9	124.7	121.4	126.5	114.6	101.0	87.5
53°	93.7	91.4	86.9	86.9	86.3	79.6	78.4	83.0	80.7	74.5	66.6
54°	60.9	60.4	56.5	57.0	57.0	53.0	52.5	54.2	53.7	51.4	47.4
55°	41.8	41.2	40.7	38.9	37.9	36.7	36.7	37.2	36.7	35.6	33.3
57.5°	14.7	14.1	14.7	14.1	14.1	14.7	14.1	15.3	15.8	15.8	14.7
60°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.1	5.6	5.6	5.6



TEST NUMBER: P1219593

CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.5	1.1	1.1	1.1
64°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	129.8	130.4	128.1	127.6	127.0	124.2	122.5	120.7	119.1	116.3	117.4
5°	173.9	173.9	168.8	165.4	163.7	157.5	154.6	150.7	146.2	142.8	141.1
7.5°	242.7	238.8	227.4	219.0	213.9	201.6	194.2	183.5	177.2	170.5	166.5
10°	514.8	488.3	433.0	393.4	356.2	311.0	269.8	237.6	216.7	201.6	191.9
11°	693.7	658.7	588.1	533.4	484.8	420.5	357.2	296.9	253.4	226.9	207.2
12°	890.1	845.0	760.3	692.5	633.3	552.6	471.8	392.3	329.7	280.0	239.3
13°	1094.4	1036.3	938.1	860.2	791.9	698.8	602.8	507.4	431.2	363.5	302.0
14°	1297.1	1226.0	1118.1	1028.4	951.6	847.8	738.8	632.7	543.5	458.3	383.2
15°	1481.1	1403.2	1308.3	1191.0	1108.0	974.8	872.0	753.0	651.4	552.6	465.1
17.5°	1811.3	1706.3	1594.5	1473.2	1394.1	1262.7	1132.2	988.3	865.3	742.8	625.4
20°	2174.2	1986.8	1802.8	1622.2	1507.6	1367.6	1240.1	1097.8	968.0	829.2	701.6
21°	2317.0	2102.6	1878.4	1675.9	1546.0	1396.4	1264.3	1117.1	980.4	832.5	698.3
22°	2452.4	2196.2	1944.5	1721.0	1579.2	1426.4	1284.1	1129.4	983.8	828.6	688.1
23°	2576.1	2286.5	2005.4	1760.5	1603.6	1441.0	1294.3	1134.5	982.1	819.5	672.8
24°	2688.4	2369.5	2057.3	1789.8	1618.2	1445.5	1293.1	1130.6	973.6	806.0	651.9
25°	2785.5	2435.0	2095.2	1805.6	1622.2	1443.2	1287.5	1120.4	956.7	782.9	627.6
26°	2858.9	2476.8	2113.3	1807.9	1616.6	1435.9	1274.5	1101.8	930.2	751.8	594.9
27°	2901.2	2491.9	2113.3	1798.3	1605.2	1422.4	1253.6	1073.0	895.8	713.4	554.3
28°	2908.6	2485.2	2098.0	1778.5	1583.8	1398.7	1223.1	1036.3	855.1	667.7	509.7
29°	2889.3	2458.1	2065.2	1744.7	1552.2	1368.2	1183.6	990.0	806.6	617.4	463.4
30°	2841.9	2408.4	2016.8	1701.8	1514.3	1328.1	1133.9	938.7	751.8	565.6	410.4
31°	2768.0	2336.8	1954.7	1649.9	1467.5	1280.1	1079.2	879.4	690.4	501.2	352.8
32°	2669.8	2236.3	1885.7	1590.6	1415.6	1225.4	1010.9	803.7	609.0	422.8	286.2
33°	2554.0	2138.0	1809.0	1526.8	1359.2	1150.3	916.7	690.9	509.7	335.3	216.7
34°	2422.0	2032.6	1726.6	1459.6	1285.2	1040.2	799.2	574.6	400.7	244.9	153.0
35°	2275.8	1920.3	1640.3	1380.6	1168.3	905.9	664.9	447.6	290.2	166.0	115.1
36°	2120.0	1794.3	1541.5	1267.8	1028.4	755.2	522.7	322.3	192.5	123.7	99.3
37°	1973.3	1684.8	1439.4	1126.0	870.4	597.7	381.6	215.1	140.5	107.8	88.1
38°	1835.0	1579.2	1306.1	969.2	707.8	448.1	251.2	158.6	121.9	94.8	77.9
39°	1705.7	1473.2	1150.3	800.9	545.3	316.1	182.3	136.0	106.1	84.1	68.8
40°	1581.0	1321.3	980.4	653.0	397.4	220.7	153.5	120.2	93.7	73.9	58.1
42.5°	1185.9	849.0	543.0	297.4	186.8	143.9	109.5	84.7	62.1	45.8	34.9
45°	744.5	431.8	233.1	167.0	130.4	97.7	71.1	50.8	37.2	27.7	22.0
47.5°	338.6	185.7	144.5	111.8	84.1	58.1	41.8	30.5	22.6	17.5	13.0
50°	124.2	105.6	85.8	63.8	46.3	33.3	24.2	18.1	13.5	10.2	7.4
51°	97.0	84.7	68.3	47.9	36.7	27.1	19.8	14.7	10.7	7.9	5.6
52°	76.2	67.2	52.5	37.2	28.8	21.4	15.8	11.3	7.9	6.2	4.5
53°	58.7	51.4	39.5	28.8	22.6	17.0	12.4	9.0	6.2	4.5	3.4
54°	43.5	37.9	29.3	22.0	17.5	13.0	9.0	6.8	4.5	3.4	2.8
55°	31.0	27.7	22.0	17.5	13.5	10.2	6.8	5.1	3.4	2.3	2.3
57.5°	13.0	12.4	10.2	8.4	6.8	5.1	3.4	2.3	2.3	1.7	2.3
60°	5.1	5.1	4.5	3.4	2.8	2.3	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P1219593

CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3
64°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	2.3
65°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3
66°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	2.3
67.5°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.3	2.3
70°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.3	2.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
75°	0.5	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
77.5°	0.5	1.1	1.1	1.1	1.7	1.7	1.7	1.7	2.3	2.3	2.3
80°	0.5	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
82.5°	0.5	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
85°	0.5	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
87.5°	0.5	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219593

CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	115.8	115.8	111.8	110.7	110.0	108.9	106.1	106.1	104.4	102.1	101.0
5°	137.2	136.0	129.8	126.5	123.7	120.2	114.6	112.3	108.9	105.6	102.8
7.5°	158.1	154.1	144.5	139.5	135.5	129.8	122.5	117.4	111.8	106.1	102.1
10°	178.9	171.0	157.5	149.0	141.6	133.7	124.7	119.1	111.8	104.4	98.8
11°	187.4	177.2	162.0	151.3	142.8	133.7	124.7	117.4	110.7	103.3	97.0
12°	203.7	184.6	166.5	154.6	143.9	133.7	123.7	115.8	108.4	101.0	94.8
13°	237.0	201.6	171.6	157.5	145.6	133.7	122.5	114.0	106.1	98.8	92.0
14°	297.4	236.5	185.1	160.3	146.2	133.7	121.4	111.2	103.3	95.4	89.2
15°	365.8	290.2	212.8	170.5	146.7	132.6	119.1	108.4	99.9	92.0	85.8
17.5°	507.4	405.8	301.4	221.2	160.9	129.3	110.7	99.9	90.3	82.4	75.1
20°	565.0	447.0	329.7	237.0	166.5	123.7	101.0	89.8	79.6	71.7	65.5
21°	557.6	439.1	321.2	226.3	155.8	115.8	96.0	85.3	75.6	67.2	61.6
22°	542.5	420.5	301.4	206.5	142.8	107.8	91.4	80.2	71.1	63.2	57.6
23°	522.1	394.0	278.8	185.7	129.3	100.5	86.9	75.6	67.2	59.3	54.2
24°	496.7	367.4	252.8	164.8	116.3	94.8	81.8	71.1	62.6	55.8	50.8
25°	468.5	339.8	225.2	147.4	108.4	89.2	76.2	66.0	58.7	52.5	47.4
26°	434.1	307.0	199.3	130.9	98.8	83.0	70.5	61.6	54.7	49.1	44.0
27°	394.6	273.2	170.5	114.0	90.9	76.8	65.5	57.6	51.4	45.8	40.7
28°	359.0	235.4	146.2	101.6	84.7	70.5	60.9	53.7	47.9	42.3	37.9
29°	314.4	199.3	124.7	92.0	77.9	66.0	56.5	49.7	44.0	38.4	34.4
30°	269.8	164.8	106.7	84.1	71.1	60.4	51.9	45.8	40.0	35.6	32.1
31°	223.5	136.6	93.7	77.4	64.9	55.8	47.9	42.3	36.7	32.8	29.3
32°	171.0	111.8	83.5	70.0	59.3	50.2	44.0	38.4	33.3	30.0	26.5
33°	128.6	94.2	75.6	63.2	53.7	46.3	40.0	34.4	30.5	27.1	24.2
34°	102.8	84.1	68.3	57.0	48.6	41.8	35.6	31.0	27.1	24.2	21.4
35°	90.3	75.6	60.9	51.4	43.5	36.7	31.6	27.7	24.2	21.4	19.2
36°	80.2	67.7	54.2	45.8	37.9	32.1	27.7	24.2	20.9	18.6	17.0
37°	71.7	59.8	47.9	39.5	32.8	28.2	24.2	20.9	18.1	16.3	15.3
38°	64.4	51.4	40.7	33.9	28.2	24.2	20.9	18.1	15.8	14.1	13.0
39°	54.7	43.5	33.9	28.8	23.7	20.3	17.5	15.8	13.5	12.4	11.3
40°	45.8	36.1	28.2	23.7	20.3	17.0	15.3	13.0	11.9	10.7	9.6
42.5°	28.2	22.6	18.1	15.3	13.0	11.3	10.2	9.0	7.9	7.4	6.8
45°	17.5	14.1	11.3	9.6	7.9	7.4	6.8	5.6	5.6	5.1	5.1
47.5°	10.2	8.4	6.2	5.6	4.5	4.5	4.0	4.0	3.4	4.0	3.4
50°	5.6	4.0	3.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
51°	4.5	3.4	2.8	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8
52°	3.4	2.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
53°	2.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
54°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
55°	2.3	2.3	2.3	2.3	2.3	1.7	2.3	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	1.7	1.7	2.3	1.7	2.3	2.3	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P1219593

CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
64°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.8	2.8	2.8	2.8	2.3	2.3	2.3	2.3
72.5°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.3
75°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
77.5°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
82.5°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
85°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	2.3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219593

CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	100.5	100.5	99.9	98.8	90.3	83.0	78.4	77.9
5°	101.0	99.9	97.7	96.0	80.7	71.1	65.5	64.9
7.5°	98.8	96.5	93.7	90.3	71.7	61.6	56.5	55.3
10°	94.8	90.9	87.5	83.0	63.2	53.7	49.1	47.9
11°	92.0	88.1	84.7	80.2	59.8	50.8	46.3	45.8
12°	89.8	85.3	80.7	76.8	56.5	47.9	44.0	43.5
13°	86.3	81.8	77.9	73.4	53.7	45.8	41.8	41.2
14°	83.5	78.4	74.5	70.5	50.8	42.8	40.0	39.5
15°	80.2	75.1	70.5	66.6	47.9	40.7	38.4	37.9
17.5°	71.1	65.5	61.6	57.6	41.2	35.6	33.9	34.4
20°	60.4	55.8	52.5	49.1	34.9	31.0	30.5	31.0
21°	56.5	52.5	49.7	46.3	32.8	29.3	29.3	30.0
22°	53.0	49.1	46.3	42.8	31.0	27.7	27.7	28.8
23°	49.7	45.8	42.8	40.0	28.8	26.5	26.5	27.7
24°	46.3	42.8	40.0	37.2	27.1	24.9	25.4	26.5
25°	42.8	40.0	37.2	34.9	25.4	23.7	24.2	25.4
26°	40.7	37.2	34.9	32.1	23.7	22.6	23.2	24.9
27°	37.2	34.4	32.1	30.0	22.6	21.4	22.6	23.7
28°	34.9	32.1	30.0	27.7	20.9	20.3	21.4	23.2
29°	32.1	30.0	27.7	26.0	19.8	19.2	20.9	22.0
30°	29.3	27.1	25.4	23.7	18.6	18.1	19.8	21.4
31°	27.1	25.4	23.7	22.0	17.5	17.5	19.2	20.9
32°	24.9	23.2	21.4	19.8	16.3	16.3	18.6	19.8
33°	22.6	20.9	19.2	18.1	15.3	15.8	17.5	19.2
34°	19.8	18.6	17.5	16.3	14.1	14.7	17.0	18.6
35°	18.1	17.0	15.8	14.7	13.5	14.1	16.3	18.1
36°	15.8	15.3	14.1	13.5	12.4	13.5	15.8	17.5
37°	14.1	13.5	12.4	11.9	11.9	13.0	15.3	17.0
38°	12.4	11.9	11.3	10.7	11.3	12.4	14.7	16.3
39°	10.7	10.2	10.2	9.6	10.7	11.9	14.1	15.8
40°	9.6	9.0	9.0	8.4	10.2	11.3	13.5	15.8
42.5°	6.8	6.8	6.8	6.8	8.4	10.2	12.4	14.7
45°	5.1	5.1	5.1	5.1	7.4	9.0	10.7	13.5
47.5°	4.0	4.0	4.0	4.0	6.8	8.4	10.2	11.9
50°	2.8	2.8	3.4	3.4	6.2	7.4	9.0	10.7
51°	2.8	2.8	2.8	3.4	5.6	7.4	8.4	10.2
52°	2.8	2.8	2.8	2.8	5.6	6.8	7.9	9.0
53°	2.3	2.8	2.8	2.8	5.1	6.8	7.4	8.4
54°	2.3	2.3	2.3	2.8	5.1	6.2	6.8	7.9
55°	2.3	2.3	2.3	2.8	4.5	6.2	6.8	6.8
57.5°	2.3	2.3	2.3	2.3	4.5	5.6	6.2	5.6
60°	2.3	2.3	2.3	2.3	4.0	5.1	5.6	4.0



TEST NUMBER: P1219593

CATALOG NUMBER: LDSQA6A15950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.3	2.3	2.3	2.3	4.0	4.5	4.5	3.4
64°	2.3	2.3	2.3	2.3	4.0	4.5	4.5	3.4
65°	2.3	2.3	2.3	2.3	4.0	4.0	4.0	2.8
66°	2.3	2.3	2.3	2.3	4.0	4.0	4.0	2.8
67.5°	2.3	2.3	2.3	2.3	4.0	4.0	3.4	2.8
70°	2.3	2.3	2.3	2.8	3.4	3.4	3.4	2.8
72.5°	2.3	2.3	2.3	2.8	3.4	3.4	2.8	2.3
75°	2.8	2.8	2.8	2.8	3.4	3.4	2.8	1.7
77.5°	2.8	2.8	2.8	2.8	3.4	2.8	2.3	1.7
80°	2.8	2.8	2.3	2.3	2.8	2.8	1.7	1.1
82.5°	2.8	2.8	2.3	2.3	2.8	2.3	1.7	1.1
85°	2.8	2.8	2.3	2.3	2.8	2.3	1.1	0.5
87.5°	2.8	2.3	2.3	2.3	2.8	2.3	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



— 0°-180° - - 45°-225° - - - 90°-270°

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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	1.7	1.7	1.7	1.7	2.3	1.7	2.3	2.8	3.4	3.4	3.4
62°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3

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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.4	3.4	2.8	2.8	2.3	1.7	1.7	1.7	1.7	1.7	1.7
62°	2.3	2.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3

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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



61°	2.3	2.3	2.3	2.3	4.0	5.1	5.1	4.0
62°	2.3	2.3	2.3	2.3	4.0	4.5	5.1	3.4

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)