

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: P1212486

Luminaire Tested: **LDSQA6A25935D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212486
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: LDSQA6A25935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

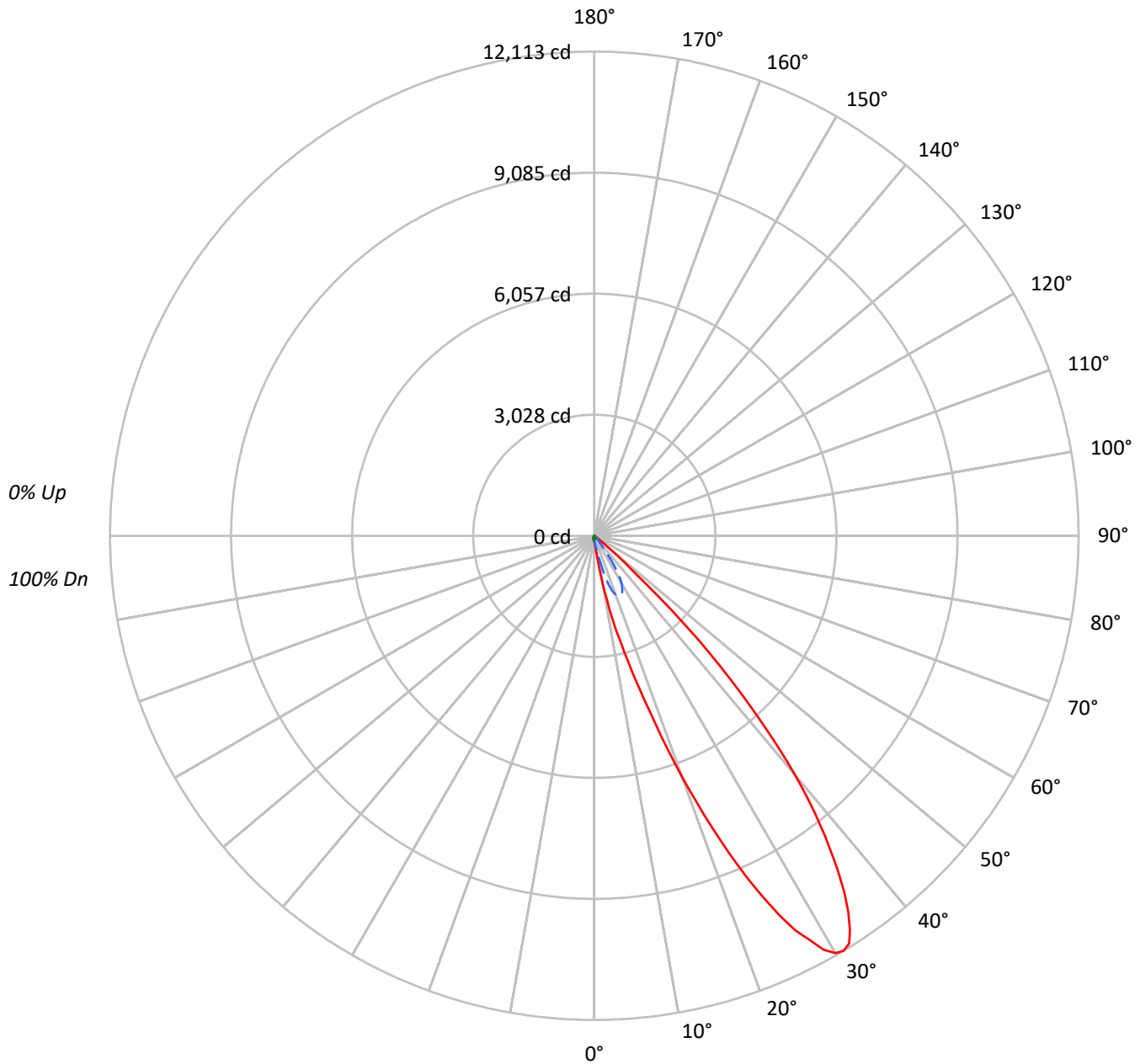
Lumens per Lamp: N/A
Luminaire Lumens: 2113.9 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 2.38 / 0.63 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.2
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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Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	6140	6140	6140
5°	12249	5951	4024
10°	55096	5203	3012
15°	144439	4261	2420
20°	294084	3230	2044
25°	473209	2390	1729
30°	599386	1690	1526
35°	573359	1104	1361
40°	439637	680	1276
45°	223588	444	1181
50°	34288	328	1032
55°	4504	300	728
60°	491	276	491
65°	82	326	408
70°	101	504	504
75°	0	665	399
80°	0	793	397
85°	0	1581	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	0.9
10°-20°	209.0	9.9
20°-30°	684.4	32.4
30°-40°	833.1	39.4
40°-50°	338.4	16.0
50°-60°	20.1	1.0
60°-70°	3.9	0.2
70°-80°	3.4	0.2
80°-90°	2.4	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°	912.5	43.2
0°-40°	1745.6	82.6
0°-60°	2104.1	99.5
0°-90°	2113.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	143	143	143	143	143	
5°	283	216	138	102	93	54
15°	3240	1080	96	58	54	1054
25°	9961	1608	50	34	36	4578
35°	10908	642	21	20	26	6598
45°	3672	73	7	13	19	2817
55°	60	7	4	9	10	103
65°	1	2	3	6	4	1
75°	0	2	4	5	2	0
85°	0	2	3	3	1	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°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	200.8	191.9	196.0	195.2	191.9	192.7	194.3	191.1	192.7	187.9	188.7
5°	283.4	270.5	277.8	269.7	273.7	269.7	269.7	264.8	260.8	260.0	255.9
7.5°	494.9	463.2	472.9	438.1	443.8	432.5	422.0	410.6	391.2	381.4	360.4
10°	1260.2	1171.1	1192.2	1116.0	1114.4	1087.7	1038.3	1004.3	932.2	881.1	808.2
11°	1593.9	1533.1	1551.7	1468.3	1464.3	1427.9	1369.5	1278.8	1238.4	1170.3	1079.6
12°	2029.6	1927.6	1938.9	1847.4	1838.5	1789.9	1724.2	1612.5	1563.9	1481.4	1374.4
13°	2425.7	2334.9	2335.7	2236.1	2225.6	2164.0	2092.0	1956.7	1902.4	1810.1	1681.4
14°	2789.3	2720.4	2706.7	2653.2	2596.6	2524.5	2448.3	2295.2	2235.3	2131.6	1984.2
15°	3240.4	3105.9	3079.2	3012.1	2943.2	2852.5	2759.4	2584.3	2518.0	2403.7	2257.1
17.5°	4571.1	4405.0	4332.1	4195.2	4065.7	3891.6	3689.8	3379.7	3226.6	3021.8	2792.5
20°	6418.4	6156.8	6010.3	5790.7	5581.7	5296.7	4948.4	4460.0	4233.3	3836.5	3460.7
21°	7149.7	6924.6	6740.7	6493.7	6246.7	5908.9	5495.2	4978.5	4628.5	4164.5	3723.9
22°	7888.4	7674.5	7460.0	7188.6	6912.4	6518.1	6041.0	5441.7	5021.3	4479.6	3971.8
23°	8615.6	8398.6	8233.4	7861.6	7547.4	7102.7	6573.9	5888.7	5400.3	4779.2	4204.9
24°	9313.7	9076.5	8870.7	8495.8	8140.3	7645.4	7076.0	6322.8	5766.5	5065.0	4421.2
25°	9960.9	9699.3	9446.6	9061.0	8674.8	8134.5	7519.0	6715.6	6100.0	5324.3	4618.0
26°	10556.1	10199.0	9924.5	9568.0	9129.1	8562.1	7908.6	7055.0	6387.6	5540.5	4772.7
27°	11072.0	10710.9	10395.8	10014.4	9524.4	8913.7	8230.2	7298.8	6615.2	5702.5	4880.4
28°	11447.0	11141.7	10778.9	10368.3	9829.6	9155.9	8448.0	7493.1	6752.0	5786.7	4925.0
29°	11844.7	11497.2	11074.5	10607.9	10021.6	9308.1	8567.9	7594.3	6808.8	5806.1	4916.1
30°	12056.1	11736.2	11238.9	10730.3	10104.3	9356.7	8593.8	7609.7	6791.0	5759.2	4857.7
31°	12112.7	11813.9	11263.2	10732.7	10078.3	9308.9	8529.8	7530.3	6694.6	5649.8	4749.2
32°	12030.9	11732.1	11160.3	10629.1	9959.3	9175.3	8388.8	7388.7	6537.5	5486.2	4594.5
33°	11737.0	11494.8	10943.2	10432.3	9777.9	8976.8	8181.5	7157.8	6292.9	5274.0	4408.3
34°	11361.1	11135.2	10626.6	10102.5	9490.3	8704.7	7895.7	6878.4	6011.9	5013.2	4187.1
35°	10908.4	10685.8	10216.8	9696.1	9109.7	8342.7	7529.5	6527.8	5679.8	4718.4	3941.7
36°	10374.7	10143.1	9709.8	9214.1	8680.4	7905.4	7096.2	6124.4	5302.3	4397.8	3679.3
37°	9787.6	9554.3	9167.2	8707.9	8179.9	7412.9	6611.2	5679.8	4903.8	4064.9	3404.8
38°	9168.0	8950.9	8599.4	8141.1	7618.6	6865.5	6080.6	5273.2	4498.2	3728.0	3127.0
39°	8532.2	8303.9	7972.6	7522.3	7008.8	6265.4	5527.5	4806.0	4148.3	3396.7	2871.9
40°	7822.0	7606.5	7222.6	6869.4	6354.5	5646.5	4973.5	4290.0	3759.5	3078.4	2640.2
42.5°	5785.9	5617.4	5412.6	5050.5	4669.9	4162.1	3691.5	3217.7	2832.2	2445.9	2124.4
45°	3672.0	3548.2	3442.8	3217.7	3063.8	2778.0	2535.0	2292.8	2110.6	1908.2	1550.9
47.5°	1359.0	1300.7	1263.4	1164.7	1155.8	1064.1	1055.4	1171.9	1240.8	1167.9	878.7
50°	511.9	497.3	488.4	457.7	436.5	394.5	362.8	339.3	291.5	258.4	231.7
51°	336.1	325.6	310.2	307.8	298.9	275.3	260.8	255.9	223.6	188.7	162.0
52°	213.9	207.3	197.6	198.4	193.5	179.0	174.1	181.4	164.4	145.0	125.6
53°	134.5	131.1	124.8	124.8	124.0	114.2	112.5	119.0	115.8	106.9	95.6
54°	87.5	86.7	81.0	81.8	81.8	76.1	75.3	77.8	76.9	73.7	68.1
55°	60.0	59.2	58.3	55.9	54.3	52.7	52.7	53.5	52.7	51.1	47.7
57.5°	21.0	20.2	21.0	20.2	20.2	21.0	20.2	21.8	22.7	22.7	21.0
60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	7.3	8.1	8.1	8.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6	1.6
64°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
66°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	186.3	187.1	183.8	183.0	182.2	178.2	175.7	173.3	170.9	166.8	168.5
5°	249.5	249.5	242.2	237.3	234.9	226.0	222.0	216.3	209.7	205.0	202.4
7.5°	348.2	342.6	326.4	314.3	307.0	289.1	278.6	263.2	254.3	244.6	238.9
10°	738.7	700.5	621.2	564.5	511.0	446.2	387.2	341.0	311.0	289.1	275.3
11°	995.4	945.1	843.9	765.3	695.7	603.4	512.7	426.0	363.6	325.6	297.3
12°	1277.2	1212.4	1090.9	993.8	908.7	792.9	677.1	562.9	472.9	401.7	343.4
13°	1570.3	1486.9	1346.1	1234.2	1136.2	1002.7	864.9	728.0	618.7	521.6	433.3
14°	1861.1	1759.1	1604.4	1475.6	1365.5	1216.4	1060.1	907.9	779.9	657.7	550.0
15°	2125.2	2013.4	1877.3	1708.9	1589.9	1398.6	1251.3	1080.4	934.6	792.9	667.4
17.5°	2599.0	2448.3	2288.0	2113.8	2000.5	1811.7	1624.6	1418.2	1241.6	1065.9	897.4
20°	3119.6	2850.9	2586.9	2327.6	2163.2	1962.4	1779.3	1575.3	1388.9	1189.7	1006.7
21°	3324.6	3016.8	2695.4	2404.5	2218.3	2003.6	1814.1	1602.8	1406.7	1194.6	1001.9
22°	3519.0	3151.3	2790.1	2469.4	2266.1	2046.6	1842.4	1620.6	1411.7	1188.9	987.3
23°	3696.3	3280.8	2877.6	2526.1	2300.9	2067.6	1857.1	1627.9	1409.3	1176.0	965.4
24°	3857.5	3399.9	2952.1	2568.2	2321.9	2074.1	1855.5	1622.2	1397.0	1156.6	935.4
25°	3996.8	3493.9	3006.3	2590.8	2327.6	2070.9	1847.4	1607.6	1372.8	1123.3	900.5
26°	4102.1	3553.8	3032.3	2594.0	2319.5	2060.3	1828.8	1581.0	1334.7	1078.8	853.6
27°	4162.9	3575.7	3032.3	2580.3	2303.3	2040.9	1798.8	1539.6	1285.3	1023.7	795.3
28°	4173.4	3566.0	3010.3	2552.0	2272.6	2007.0	1755.1	1486.9	1226.9	958.1	731.4
29°	4145.9	3527.0	2963.4	2503.3	2227.2	1963.2	1698.4	1420.6	1157.4	886.0	664.9
30°	4077.8	3455.9	2893.7	2441.9	2173.0	1905.6	1627.1	1346.9	1078.8	811.6	588.8
31°	3971.8	3352.9	2804.7	2367.3	2105.7	1836.9	1548.5	1261.8	990.5	719.1	506.2
32°	3830.8	3208.8	2705.9	2282.3	2031.2	1758.3	1450.5	1153.2	873.8	606.6	410.6
33°	3664.8	3067.9	2595.8	2190.8	1950.2	1650.5	1315.2	991.2	731.4	481.1	311.0
34°	3475.3	2916.4	2477.5	2094.4	1844.2	1492.7	1146.9	824.5	575.0	351.5	219.4
35°	3265.5	2755.2	2353.6	1981.0	1676.5	1299.9	954.0	642.3	416.3	238.1	165.2
36°	3042.0	2574.6	2211.8	1819.0	1475.6	1083.7	750.0	462.4	276.1	177.4	142.6
37°	2831.4	2417.5	2065.2	1615.7	1248.9	857.7	547.4	308.6	201.6	154.7	126.4
38°	2633.0	2266.1	1874.1	1390.6	1015.6	643.1	360.4	227.6	174.9	136.1	111.7
39°	2447.5	2113.8	1650.5	1149.3	782.3	453.5	261.6	195.2	152.3	120.6	98.8
40°	2268.4	1895.9	1406.7	937.0	570.2	316.7	220.2	172.5	134.5	106.1	83.4
42.5°	1701.6	1218.0	779.1	426.8	268.1	206.5	157.1	121.4	89.1	65.6	50.3
45°	1068.3	619.5	334.5	239.7	187.1	140.0	102.0	72.9	53.5	39.6	31.5
47.5°	486.0	266.4	207.3	160.4	120.6	83.4	60.0	43.8	32.5	25.1	18.6
50°	178.2	151.5	123.2	91.5	66.4	47.7	34.8	25.9	19.4	14.6	10.5
51°	139.3	121.4	98.0	68.9	52.7	38.8	28.3	21.0	15.4	11.3	8.1
52°	109.3	96.4	75.3	53.5	41.4	30.7	22.7	16.2	11.3	8.9	6.5
53°	84.2	73.7	56.7	41.4	32.5	24.3	17.8	12.9	8.9	6.5	4.9
54°	62.4	54.3	42.2	31.5	25.1	18.6	12.9	9.7	6.5	4.9	4.0
55°	44.6	39.6	31.5	25.1	19.4	14.6	9.7	7.3	4.9	3.2	3.2
57.5°	18.6	17.8	14.6	12.1	9.7	7.3	4.9	3.2	3.2	2.4	3.2
60°	7.3	7.3	6.5	4.9	4.0	3.2	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P1212486

CATALOG NUMBER: LDSQA6A25935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2
64°	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	3.2
65°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.2
66°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	3.2
67.5°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.2	3.2
72.5°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
75°	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
77.5°	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.2	3.2	3.2
80°	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
82.5°	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
85°	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
87.5°	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1212486

CATALOG NUMBER: LDSQA6A25935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	166.0	166.0	160.4	158.8	157.9	156.3	152.3	152.3	149.9	146.6	145.0
5°	196.8	195.2	186.3	181.4	177.4	172.5	164.4	161.2	156.3	151.5	147.4
7.5°	226.8	221.0	207.3	200.0	194.3	186.3	175.7	168.5	160.4	152.3	146.6
10°	256.7	245.4	226.0	213.9	203.2	191.9	179.0	170.9	160.4	149.9	141.8
11°	268.9	254.3	232.5	217.1	205.0	191.9	179.0	168.5	158.8	148.2	139.3
12°	292.3	264.8	238.9	222.0	206.5	191.9	177.4	166.0	155.5	145.0	136.1
13°	340.2	289.1	246.2	226.0	208.9	191.9	175.7	163.6	152.3	141.8	132.1
14°	426.8	339.3	265.6	230.0	209.7	191.9	174.1	159.6	148.2	136.9	127.9
15°	524.8	416.3	305.4	244.6	210.5	190.3	170.9	155.5	143.4	132.1	123.2
17.5°	728.0	582.3	432.5	317.5	230.8	185.4	158.8	143.4	129.5	118.2	107.7
20°	810.8	641.5	472.9	340.2	238.9	177.4	145.0	128.7	114.2	102.8	93.9
21°	800.1	630.2	460.8	324.8	223.6	166.0	137.7	122.4	108.5	96.4	88.3
22°	778.3	603.4	432.5	296.5	205.0	154.7	131.1	115.0	102.0	90.7	82.6
23°	749.2	565.2	400.1	266.4	185.4	144.2	124.8	108.5	96.4	85.0	77.8
24°	712.7	527.2	362.8	236.5	166.8	136.1	117.4	102.0	89.9	80.2	72.9
25°	672.2	487.6	323.2	211.3	155.5	127.9	109.3	94.7	84.2	75.3	68.1
26°	622.8	440.6	286.0	187.9	141.8	119.0	101.2	88.3	78.6	70.5	63.2
27°	566.2	392.0	244.6	163.6	130.3	110.1	93.9	82.6	73.7	65.6	58.3
28°	515.1	337.7	209.7	145.8	121.4	101.2	87.5	76.9	68.9	60.8	54.3
29°	451.1	286.0	179.0	132.1	111.7	94.7	81.0	71.3	63.2	55.1	49.3
30°	387.2	236.5	153.1	120.6	102.0	86.7	74.5	65.6	57.5	51.1	46.2
31°	320.7	196.0	134.5	110.9	93.1	80.2	68.9	60.8	52.7	46.9	42.2
32°	245.4	160.4	119.8	100.4	85.0	72.1	63.2	55.1	47.7	43.0	38.0
33°	184.6	135.3	108.5	90.7	76.9	66.4	57.5	49.3	43.8	38.8	34.8
34°	147.4	120.6	98.0	81.8	69.7	60.0	51.1	44.6	38.8	34.8	30.7
35°	129.5	108.5	87.5	73.7	62.4	52.7	45.4	39.6	34.8	30.7	27.5
36°	115.0	97.2	77.8	65.6	54.3	46.2	39.6	34.8	29.9	26.7	24.3
37°	102.8	85.8	68.9	56.7	46.9	40.4	34.8	29.9	25.9	23.5	21.8
38°	92.3	73.7	58.3	48.5	40.4	34.8	29.9	25.9	22.7	20.2	18.6
39°	78.6	62.4	48.5	41.4	34.0	29.1	25.1	22.7	19.4	17.8	16.2
40°	65.6	51.9	40.4	34.0	29.1	24.3	21.8	18.6	17.0	15.4	13.8
42.5°	40.4	32.5	25.9	21.8	18.6	16.2	14.6	12.9	11.3	10.5	9.7
45°	25.1	20.2	16.2	13.8	11.3	10.5	9.7	8.1	8.1	7.3	7.3
47.5°	14.6	12.1	8.9	8.1	6.5	6.5	5.7	5.7	4.9	5.7	4.9
50°	8.1	5.7	4.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
51°	6.5	4.9	4.0	3.2	3.2	3.2	3.2	3.2	3.2	4.0	4.0
52°	4.9	4.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
53°	4.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
54°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2	2.4	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	2.4	2.4	3.2	2.4	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212486

CATALOG NUMBER: LDSQA6A25935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
64°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
66°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	4.0	4.0	4.0	4.0	3.2	3.2	3.2	3.2
72.5°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.2
75°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
77.5°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
80°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
82.5°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
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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TEST NUMBER: P1212486

CATALOG NUMBER: LDSQA6A25935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	142.6	142.6	142.6	142.6	142.6	142.6	142.6	142.6
2.5°	144.2	144.2	143.4	141.8	129.5	119.0	112.5	111.7
5°	145.0	143.4	140.0	137.7	115.8	102.0	93.9	93.1
7.5°	141.8	138.5	134.5	129.5	102.8	88.3	81.0	79.4
10°	136.1	130.3	125.6	119.0	90.7	76.9	70.5	68.9
11°	132.1	126.4	121.4	115.0	85.8	72.9	66.4	65.6
12°	128.7	122.4	115.8	110.1	81.0	68.9	63.2	62.4
13°	124.0	117.4	111.7	105.3	76.9	65.6	60.0	59.2
14°	119.8	112.5	106.9	101.2	72.9	61.6	57.5	56.7
15°	115.0	107.7	101.2	95.6	68.9	58.3	55.1	54.3
17.5°	102.0	93.9	88.3	82.6	59.2	51.1	48.5	49.3
20°	86.7	80.2	75.3	70.5	50.3	44.6	43.8	44.6
21°	81.0	75.3	71.3	66.4	46.9	42.2	42.2	43.0
22°	76.1	70.5	66.4	61.6	44.6	39.6	39.6	41.4
23°	71.3	65.6	61.6	57.5	41.4	38.0	38.0	39.6
24°	66.4	61.6	57.5	53.5	38.8	35.6	36.4	38.0
25°	61.6	57.5	53.5	50.3	36.4	34.0	34.8	36.4
26°	58.3	53.5	50.3	46.2	34.0	32.5	33.2	35.6
27°	53.5	49.3	46.2	43.0	32.5	30.7	32.5	34.0
28°	50.3	46.2	43.0	39.6	29.9	29.1	30.7	33.2
29°	46.2	43.0	39.6	37.2	28.3	27.5	29.9	31.5
30°	42.2	38.8	36.4	34.0	26.7	25.9	28.3	30.7
31°	38.8	36.4	34.0	31.5	25.1	25.1	27.5	29.9
32°	35.6	33.2	30.7	28.3	23.5	23.5	26.7	28.3
33°	32.5	29.9	27.5	25.9	21.8	22.7	25.1	27.5
34°	28.3	26.7	25.1	23.5	20.2	21.0	24.3	26.7
35°	25.9	24.3	22.7	21.0	19.4	20.2	23.5	25.9
36°	22.7	21.8	20.2	19.4	17.8	19.4	22.7	25.1
37°	20.2	19.4	17.8	17.0	17.0	18.6	21.8	24.3
38°	17.8	17.0	16.2	15.4	16.2	17.8	21.0	23.5
39°	15.4	14.6	14.6	13.8	15.4	17.0	20.2	22.7
40°	13.8	12.9	12.9	12.1	14.6	16.2	19.4	22.7
42.5°	9.7	9.7	9.7	9.7	12.1	14.6	17.8	21.0
45°	7.3	7.3	7.3	7.3	10.5	12.9	15.4	19.4
47.5°	5.7	5.7	5.7	5.7	9.7	12.1	14.6	17.0
50°	4.0	4.0	4.9	4.9	8.9	10.5	12.9	15.4
51°	4.0	4.0	4.0	4.9	8.1	10.5	12.1	14.6
52°	4.0	4.0	4.0	4.0	8.1	9.7	11.3	12.9
53°	3.2	4.0	4.0	4.0	7.3	9.7	10.5	12.1
54°	3.2	3.2	3.2	4.0	7.3	8.9	9.7	11.3
55°	3.2	3.2	3.2	4.0	6.5	8.9	9.7	9.7
57.5°	3.2	3.2	3.2	3.2	6.5	8.1	8.9	8.1
60°	3.2	3.2	3.2	3.2	5.7	7.3	8.1	5.7



TEST NUMBER: P1212486

CATALOG NUMBER: LDSQA6A25935D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.2	3.2	3.2	3.2	5.7	6.5	6.5	4.9
64°	3.2	3.2	3.2	3.2	5.7	6.5	6.5	4.9
65°	3.2	3.2	3.2	3.2	5.7	5.7	5.7	4.0
66°	3.2	3.2	3.2	3.2	5.7	5.7	5.7	4.0
67.5°	3.2	3.2	3.2	3.2	5.7	5.7	4.9	4.0
70°	3.2	3.2	3.2	4.0	4.9	4.9	4.9	4.0
72.5°	3.2	3.2	3.2	4.0	4.9	4.9	4.0	3.2
75°	4.0	4.0	4.0	4.0	4.9	4.9	4.0	2.4
77.5°	4.0	4.0	4.0	4.0	4.9	4.0	3.2	2.4
80°	4.0	4.0	3.2	3.2	4.0	4.0	2.4	1.6
82.5°	4.0	4.0	3.2	3.2	4.0	3.2	2.4	1.6
85°	4.0	4.0	3.2	3.2	4.0	3.2	1.6	0.8
87.5°	4.0	3.2	3.2	3.2	4.0	3.2	0.8	0.8
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



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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





61°	2.4	2.4	2.4	2.4	3.2	2.4	3.2	4.0	4.9	4.9	4.9
62°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	3.2

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61°	4.9	4.9	4.0	4.0	3.2	2.4	2.4	2.4	2.4	2.4	2.4
62°	3.2	3.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.2

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Scaled Data Report





61°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
62°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2

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Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	3.2	3.2	3.2	3.2	5.7	7.3	7.3	5.7
62°	3.2	3.2	3.2	3.2	5.7	6.5	7.3	4.9

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)