

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: P1212484

Luminaire Tested: **LDSQA6A25935D010TE LARL15SP 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: P1212484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A25935D010TE LARL15SP 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

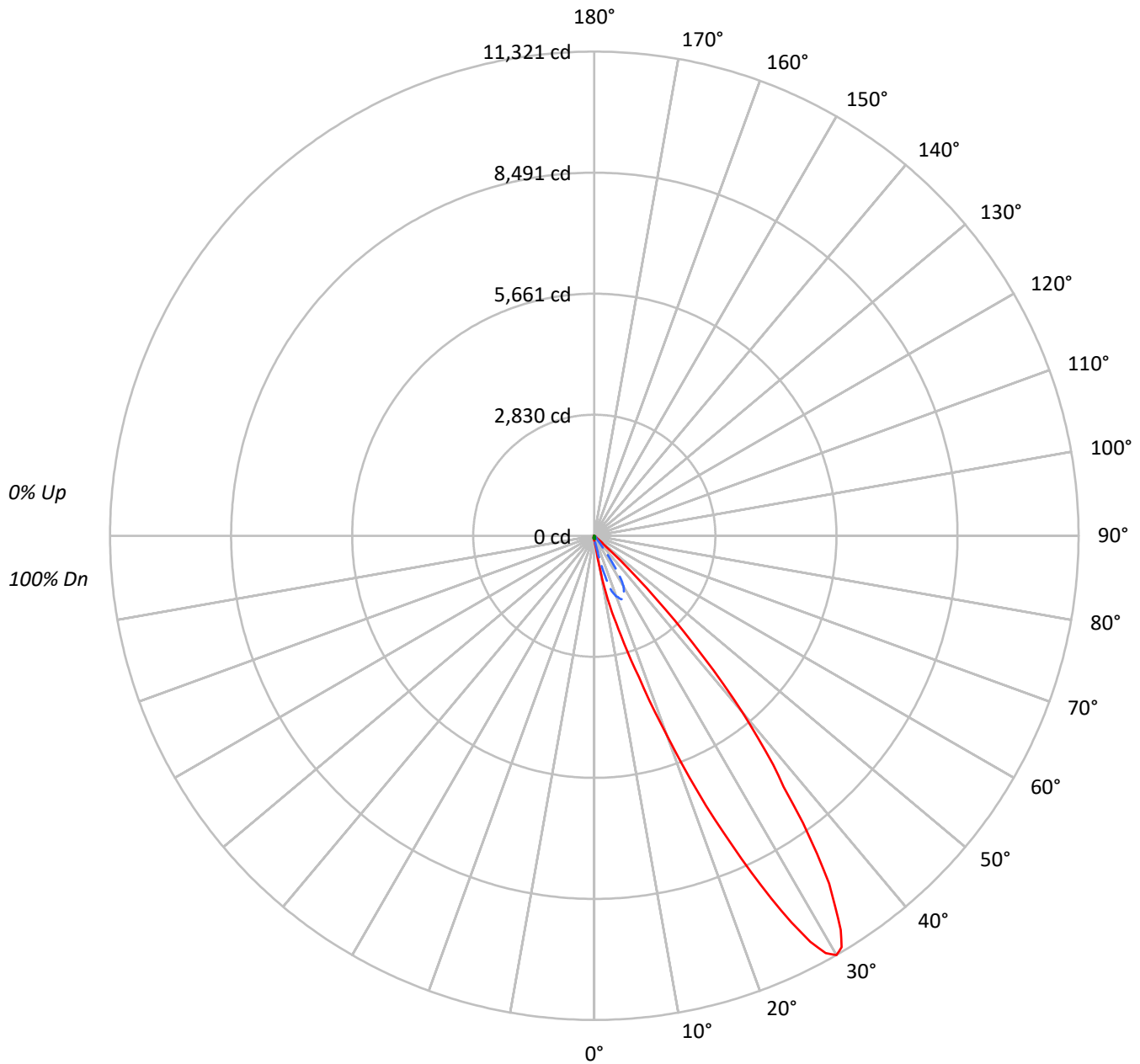
Lumens per Lamp: N/A
Luminaire Lumens: 1665.5 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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



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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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	51	61	55	51	60	55	51	49		
8	70	59	52	47	69	58	52	47	57	51	47	56	50	46	55	50	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	4702	4702	4702
5°	7248	4447	3574
10°	38876	3952	2964
15°	107193	3200	2536
20°	227619	2396	2218
25°	412016	1743	1929
30°	562839	1283	1705
35°	477093	904	1561
40°	302845	613	1489
45°	104962	475	1376
50°	6424	368	1206
55°	1111	293	938
60°	267	267	603
65°	163	316	479
70°	201	390	491
75°	0	516	516
80°	0	769	397
85°	0	1531	395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.8
10°-20°	171.3	10.3
20°-30°	595.2	35.7
30°-40°	652.5	39.2
40°-50°	215.2	12.9
50°-60°	8.9	0.5
60°-70°	3.9	0.2
70°-80°	3.0	0.2
80°-90°	2.0	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°	780.0	46.8
0°-40°	1432.5	86.0
0°-60°	1656.6	99.5
0°-90°	1665.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	109	109	109	109	109	
5°	168	136	103	88	83	35
15°	2405	980	72	58	57	799
25°	8673	1608	37	36	41	4059
35°	9077	536	17	23	30	5456
45°	1724	26	8	16	23	1519
55°	15	3	4	10	12	21
65°	2	2	3	6	5	2
75°	0	2	3	4	3	1
85°	0	2	3	2	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°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	129.5	128.7	128.7	128.7	127.9	126.4	126.4	127.1	127.1	126.4	127.1
5°	167.7	166.1	165.3	164.5	161.5	160.7	157.6	159.9	157.6	155.2	155.2
7.5°	307.4	306.6	293.3	284.8	269.9	252.7	248.0	248.8	237.9	227.7	221.6
10°	889.2	890.7	851.7	867.4	811.2	788.6	745.7	730.0	691.1	658.4	618.6
11°	1189.6	1188.0	1138.7	1153.6	1096.7	1064.7	1016.4	991.4	942.3	909.5	859.6
12°	1513.9	1466.5	1450.0	1464.1	1405.5	1363.4	1305.0	1272.9	1212.2	1178.6	1118.5
13°	1835.4	1821.3	1766.6	1779.9	1720.0	1627.9	1603.7	1565.4	1494.5	1454.8	1387.6
14°	2113.8	2062.3	2045.1	2053.8	1994.5	1907.1	1882.9	1871.2	1762.0	1719.2	1644.3
15°	2404.8	2342.4	2318.2	2286.1	2251.0	2147.3	2112.3	2089.6	1976.5	1904.8	1856.4
17.5°	3462.4	3374.3	3315.0	3242.4	3165.3	2973.3	2893.8	2818.1	2620.0	2524.9	2381.4
20°	4967.8	4833.0	4680.8	4523.2	4372.0	4033.4	3836.8	3626.2	3355.6	3129.4	2957.8
21°	5696.4	5534.9	5351.7	5233.0	4948.4	4534.9	4269.7	3969.4	3621.6	3341.5	3125.5
22°	6459.9	6275.9	6123.1	5948.3	5553.7	5060.7	4727.6	4342.3	3892.2	3546.7	3273.7
23°	7201.8	6993.5	6810.3	6597.2	6141.0	5570.0	5174.5	4715.1	4173.0	3743.3	3405.5
24°	7910.0	7693.9	7483.4	7203.3	6680.7	6049.6	5584.8	5061.4	4440.6	3932.0	3529.6
25°	8672.8	8420.1	8147.8	7722.0	7190.8	6477.1	5942.0	5362.6	4678.4	4106.0	3634.1
26°	9432.6	9137.8	8729.7	8296.1	7661.2	6862.4	6252.5	5606.6	4881.2	4245.5	3711.2
27°	10145.5	9829.6	9350.7	8757.1	8083.2	7192.4	6508.4	5800.1	5022.5	4336.1	3747.1
28°	10755.4	10407.5	9874.1	9197.7	8397.5	7435.0	6677.7	5914.0	5090.3	4370.4	3751.8
29°	11157.1	10810.1	10235.1	9484.1	8575.3	7555.1	6744.7	5939.0	5086.5	4350.0	3719.9
30°	11321.0	10970.8	10383.4	9577.6	8608.8	7557.5	6717.4	5886.7	5018.5	4286.1	3656.7
31°	11225.1	10888.8	10292.9	9481.7	8490.3	7448.3	6602.8	5754.9	4883.6	4173.0	3562.3
32°	10870.9	10562.7	9990.3	9218.1	8246.1	7229.1	6405.4	5559.8	4693.3	4025.6	3444.4
33°	10331.2	10074.5	9489.6	8777.3	7920.2	6960.0	6165.1	5361.8	4464.0	3845.4	3318.9
34°	9813.9	9434.9	8916.2	8283.6	7502.0	6610.5	5867.2	5049.7	4220.6	3647.3	3175.4
35°	9076.9	8737.6	8258.6	7717.3	7015.4	6183.8	5440.5	4745.6	3948.4	3456.1	3024.8
36°	8299.2	8000.5	7652.6	7167.5	6495.9	5738.4	5058.3	4372.0	3668.4	3243.2	2865.8
37°	7349.2	7282.1	6958.4	6553.6	5953.7	5254.0	4614.4	4020.9	3406.3	3046.6	2691.0
38°	6788.3	6568.3	6272.0	5915.6	5327.4	4767.4	4186.3	3668.4	3168.3	2862.6	2492.2
39°	6074.6	5889.0	5616.1	5295.4	4789.2	4260.4	3787.7	3374.3	2971.8	2677.0	2277.6
40°	5388.2	5233.8	4983.4	4708.1	4248.7	3813.4	3443.8	3115.4	2776.8	2478.9	2065.5
42.5°	3397.8	3321.3	3218.3	3180.8	3016.3	2903.1	2768.3	2578.7	2280.7	1945.4	1656.8
45°	1723.8	1674.6	1673.1	1749.5	1801.8	1807.2	1794.8	1746.4	1553.0	1457.0	1200.5
47.5°	290.2	276.1	284.8	336.2	408.7	496.9	595.2	716.1	845.5	818.2	630.3
50°	95.9	92.8	90.4	92.8	89.6	92.0	90.4	88.2	79.5	83.5	85.8
51°	59.3	63.2	60.8	62.4	61.6	64.0	64.0	63.2	57.7	53.9	49.1
52°	40.6	41.4	42.2	43.0	42.2	43.0	43.6	43.6	42.2	40.6	36.7
53°	28.9	28.9	29.7	29.7	29.7	30.5	30.5	30.5	29.7	29.7	28.9
54°	20.2	21.0	21.0	21.0	21.0	21.8	21.8	21.8	22.6	21.8	21.8
55°	14.8	14.8	14.8	14.8	14.8	14.8	15.6	15.6	16.4	16.4	15.6
57.5°	6.3	6.3	5.5	6.3	6.3	6.3	6.3	7.0	7.0	7.8	7.8
60°	3.1	3.1	3.1	3.1	2.4	3.1	3.1	3.1	3.1	3.9	3.9

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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	1.6	1.6	1.6	1.6
64°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8
66°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	124.8	126.4	124.0	125.6	122.5	122.5	120.1	120.9	120.1	118.5	118.5
5°	151.4	151.4	147.4	147.4	142.7	140.4	136.5	136.5	134.2	130.2	129.5
7.5°	207.5	199.6	191.1	187.9	178.6	172.4	165.3	162.3	155.2	149.0	144.3
10°	555.4	503.9	453.1	422.0	345.5	290.2	248.8	220.8	200.4	176.2	166.9
11°	783.1	717.7	651.3	586.5	511.7	436.0	388.5	313.6	266.0	212.1	186.5
12°	1029.6	952.4	872.1	798.7	709.0	613.9	548.4	453.1	386.1	296.5	233.9
13°	1282.4	1195.0	1099.0	1022.6	921.2	812.0	709.0	620.8	537.5	420.4	329.2
14°	1525.6	1432.8	1327.6	1247.3	1133.3	1014.8	898.5	801.1	699.7	560.1	447.7
15°	1742.6	1676.2	1542.8	1463.3	1340.8	1214.4	1085.0	980.5	860.4	705.2	575.6
17.5°	2196.5	2074.0	1910.9	1832.2	1710.5	1601.3	1461.0	1366.6	1218.4	1054.6	911.8
20°	2731.6	2551.3	2330.7	2164.4	1953.9	1762.0	1585.0	1510.9	1418.8	1307.3	1173.9
21°	2878.3	2683.9	2442.9	2273.8	2057.6	1860.3	1652.0	1534.3	1433.6	1336.9	1225.3
22°	2985.1	2780.0	2526.5	2350.1	2127.9	1932.1	1719.2	1577.9	1443.8	1334.5	1234.0
23°	3075.5	2857.1	2593.5	2401.6	2169.2	1967.2	1753.5	1613.0	1464.9	1329.1	1219.9
24°	3157.4	2918.0	2641.1	2435.2	2190.2	1979.7	1758.1	1619.3	1475.0	1332.3	1201.3
25°	3219.1	2956.2	2668.4	2452.4	2194.9	1975.7	1747.2	1607.6	1463.3	1322.2	1180.1
26°	3261.2	2974.1	2676.2	2451.6	2185.6	1960.2	1724.6	1583.4	1435.2	1285.4	1145.8
27°	3274.5	2969.5	2665.3	2433.6	2162.2	1929.7	1686.3	1537.3	1391.6	1241.8	1099.8
28°	3261.2	2950.7	2640.3	2398.5	2123.2	1879.8	1624.7	1476.6	1344.8	1193.4	1043.7
29°	3224.6	2917.2	2594.3	2346.3	2061.5	1798.7	1546.0	1418.0	1290.9	1120.1	949.2
30°	3167.5	2856.3	2527.9	2269.8	1970.3	1696.5	1475.0	1364.2	1201.9	1001.5	817.4
31°	3088.0	2777.6	2442.1	2168.4	1848.6	1596.7	1413.4	1263.6	1063.2	844.7	656.8
32°	2991.3	2683.9	2317.4	2033.4	1728.5	1517.9	1304.2	1109.9	887.6	659.1	478.9
33°	2887.6	2563.8	2174.7	1891.5	1625.5	1412.6	1146.6	920.4	691.1	463.4	301.9
34°	2767.5	2416.5	2014.7	1748.8	1510.1	1254.2	959.5	715.3	492.9	281.6	155.2
35°	2622.4	2234.7	1855.6	1625.5	1344.8	1044.4	754.2	535.9	308.8	141.9	84.2
36°	2446.8	2047.5	1717.6	1467.1	1151.2	838.6	544.5	341.7	166.1	83.5	66.2
37°	2223.8	1893.8	1572.5	1278.4	942.3	629.5	351.0	185.7	95.1	67.8	56.1
38°	2031.2	1751.9	1417.2	1072.5	726.2	431.3	212.9	104.5	74.9	56.9	46.8
39°	1864.9	1599.7	1213.6	855.7	517.9	261.3	117.0	79.5	62.4	46.8	39.8
40°	1720.0	1382.9	998.4	642.0	333.0	145.1	84.2	66.2	50.7	39.0	31.9
42.5°	1262.0	877.5	462.6	207.5	97.5	72.5	53.1	42.2	32.7	24.2	20.2
45°	749.6	394.7	139.6	85.0	61.6	46.0	33.5	26.5	20.2	14.8	12.5
47.5°	273.8	99.9	68.6	51.5	39.0	28.9	21.0	16.4	12.5	8.6	7.0
50°	56.1	48.4	37.5	30.5	22.6	17.2	12.5	9.3	7.0	5.5	4.7
51°	43.0	37.5	30.5	24.2	18.0	14.1	10.1	7.8	6.3	4.7	3.9
52°	32.7	28.9	23.4	19.6	14.8	10.9	7.8	6.3	4.7	3.1	3.1
53°	25.8	22.6	18.0	14.8	11.7	8.6	6.3	4.7	3.9	3.1	3.1
54°	19.6	17.2	14.1	11.7	9.3	7.0	4.7	3.9	3.1	3.1	2.4
55°	14.1	13.3	10.9	8.6	7.0	5.5	3.9	3.1	3.1	2.4	2.4
57.5°	7.0	6.3	5.5	4.7	3.9	3.1	2.4	2.4	2.4	2.4	1.6
60°	3.9	3.1	3.1	3.1	2.4	2.4	2.4	1.6	1.6	2.4	2.4



TEST NUMBER: P1212484

CATALOG NUMBER: LDSQA6A25935D010TE LARL15SP 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	1.6	1.6	1.6	2.4	1.6	1.6	1.6	2.4	2.4	2.4
64°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
65°	0.8	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
66°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
75°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
77.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
80°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
82.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
87.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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: P1212484

CATALOG NUMBER: LDSQA6A25935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	116.2	117.8	116.2	114.6	113.8	113.8	113.0	110.8	111.6	110.8	110.8
5°	125.6	126.4	123.3	120.9	119.3	117.8	116.2	113.0	112.4	111.6	110.8
7.5°	138.1	137.3	131.0	127.1	123.3	120.1	117.0	113.0	111.6	109.2	107.6
10°	156.0	150.6	140.4	133.4	127.9	121.7	117.0	110.8	107.6	104.5	102.1
11°	163.9	156.0	145.9	136.5	129.5	122.5	117.0	109.2	105.3	102.1	99.1
12°	187.9	166.9	150.6	140.4	131.0	123.3	116.2	108.4	103.7	99.1	95.9
13°	243.4	194.2	160.7	142.7	133.4	124.0	115.4	106.8	101.3	95.9	92.8
14°	333.8	249.6	185.7	151.4	134.2	124.0	114.6	105.3	99.1	93.6	89.6
15°	442.2	335.4	236.3	172.4	137.3	123.3	113.0	102.9	95.9	89.6	85.8
17.5°	744.9	605.3	453.9	322.9	199.6	135.0	106.8	95.1	86.6	79.5	74.9
20°	998.4	837.8	666.9	503.9	345.5	215.3	123.3	86.6	76.5	68.6	64.0
21°	1053.8	903.2	722.3	551.4	387.7	249.6	139.6	86.6	72.5	64.8	60.1
22°	1082.6	937.5	756.6	582.7	416.6	273.8	156.8	87.4	68.6	60.8	55.3
23°	1078.0	945.4	769.8	592.0	429.7	285.4	163.9	88.2	64.8	56.9	51.5
24°	1049.9	924.4	756.6	581.1	425.9	282.4	161.5	86.6	60.8	53.1	48.4
25°	1014.8	883.0	720.7	551.4	400.9	262.8	149.8	81.1	57.7	49.9	45.2
26°	975.0	841.6	670.9	499.1	360.3	230.1	126.4	71.8	53.1	46.0	42.2
27°	927.4	787.8	609.1	443.8	304.2	185.7	101.3	60.8	49.1	42.2	39.0
28°	856.4	711.4	530.4	370.5	243.4	140.4	76.5	52.3	45.2	39.0	35.9
29°	750.4	603.7	432.1	289.4	178.6	96.7	58.5	46.8	40.6	35.1	32.7
30°	617.8	477.3	320.5	198.8	114.6	65.6	47.6	41.4	35.9	31.9	30.5
31°	468.0	339.3	207.5	114.6	68.6	48.4	42.2	35.9	31.9	28.9	28.1
32°	308.8	205.1	110.0	66.2	49.9	42.2	36.7	31.9	28.9	26.5	25.8
33°	165.3	94.4	63.2	49.9	42.2	36.7	31.9	28.1	25.8	24.2	23.4
34°	84.2	61.6	51.5	43.0	35.9	31.9	28.1	25.0	23.4	21.8	21.0
35°	62.4	53.1	44.4	36.7	31.3	28.1	25.0	22.6	21.0	19.6	19.6
36°	53.1	44.4	36.7	31.9	28.1	25.0	22.6	19.6	18.8	18.0	17.2
37°	44.4	38.2	31.9	27.3	24.2	21.8	19.6	18.0	16.4	15.6	15.6
38°	37.5	32.7	27.3	23.4	21.0	19.6	17.2	15.6	14.8	14.1	14.1
39°	31.3	27.3	23.4	20.2	18.0	16.4	14.8	14.1	13.3	12.5	12.5
40°	25.8	23.4	19.6	17.2	15.6	14.1	13.3	12.5	11.7	10.9	11.7
42.5°	16.4	14.1	12.5	11.7	10.1	10.1	9.3	8.6	8.6	8.6	8.6
45°	9.3	8.6	7.8	7.8	7.0	7.0	7.0	6.3	7.0	7.0	7.0
47.5°	5.5	5.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.5	5.5
50°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9
51°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9
52°	3.1	3.1	3.1	2.4	2.4	2.4	2.4	2.4	3.1	3.1	3.1
53°	2.4	3.1	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.1	3.1
54°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.1
55°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.1
57.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1
60°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212484

CATALOG NUMBER: LDSQA6A25935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.4	2.4	2.4	2.4	2.4	3.1	2.4	2.4	2.4	3.1	3.1
64°	2.4	2.4	2.4	2.4	2.4	3.1	2.4	2.4	2.4	2.4	3.1
65°	2.4	2.4	3.1	3.1	3.1	3.1	2.4	2.4	2.4	2.4	3.1
66°	2.4	2.4	3.1	3.1	3.1	3.1	3.1	2.4	2.4	3.1	3.1
67.5°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	2.4	3.1	3.1	3.1
70°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
80°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
85°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87.5°	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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: P1212484

CATALOG NUMBER: LDSQA6A25935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2
2.5°	108.4	107.6	106.8	106.8	100.7	97.5	93.6	93.6
5°	106.8	106.1	104.5	102.9	92.8	88.2	83.5	82.7
7.5°	103.7	101.3	99.1	97.5	85.0	79.5	74.9	74.1
10°	97.5	94.4	92.0	90.4	77.3	71.8	67.8	67.8
11°	94.4	91.2	89.0	86.6	73.3	68.6	65.6	65.6
12°	91.2	88.2	85.0	83.5	70.2	66.2	63.2	62.4
13°	88.2	84.2	81.9	79.5	67.0	63.2	60.8	60.8
14°	85.0	81.1	77.9	75.7	64.0	60.1	58.5	58.5
15°	80.3	76.5	74.1	71.8	60.1	57.7	56.1	56.9
17.5°	69.4	66.2	64.0	61.6	52.3	51.5	51.5	52.3
20°	59.3	56.1	53.9	52.3	45.2	46.0	46.8	48.4
21°	55.3	52.3	49.9	48.4	43.0	43.6	45.2	46.8
22°	51.5	49.1	46.8	45.2	40.6	41.4	43.6	45.2
23°	47.6	45.2	43.6	42.2	38.2	39.8	42.2	43.6
24°	44.4	42.2	40.6	39.0	35.9	37.5	40.6	42.2
25°	41.4	39.0	37.5	36.7	33.5	35.9	39.0	40.6
26°	38.2	36.7	35.1	34.3	31.9	34.3	37.5	39.8
27°	35.1	33.5	32.7	31.9	29.7	32.7	35.9	38.2
28°	32.7	31.3	30.5	29.7	28.1	31.3	35.1	36.7
29°	30.5	28.9	28.1	27.3	26.5	29.7	33.5	35.9
30°	28.1	27.3	25.8	25.8	25.0	28.9	31.9	34.3
31°	25.8	25.0	24.2	23.4	23.4	27.3	31.3	33.5
32°	24.2	23.4	22.6	21.8	22.6	25.8	29.7	32.7
33°	21.8	21.0	21.0	20.2	21.0	25.0	28.9	31.9
34°	19.6	19.6	18.8	18.8	20.2	24.2	28.1	30.5
35°	18.0	17.2	17.2	17.2	19.6	22.6	27.3	29.7
36°	16.4	16.4	15.6	15.6	18.8	21.8	26.5	28.9
37°	14.8	14.8	14.8	14.1	17.2	21.0	25.0	28.1
38°	13.3	13.3	13.3	13.3	16.4	20.2	25.0	28.1
39°	11.7	11.7	12.5	12.5	15.6	19.6	23.4	27.3
40°	10.9	10.9	10.9	10.9	14.8	18.8	22.6	26.5
42.5°	8.6	8.6	9.3	9.3	13.3	17.2	21.0	24.2
45°	7.0	7.0	7.8	7.8	11.7	15.6	18.8	22.6
47.5°	5.5	5.5	6.3	6.3	10.1	14.1	17.2	20.2
50°	3.9	4.7	4.7	5.5	9.3	12.5	14.8	18.0
51°	3.9	3.9	4.7	4.7	8.6	11.7	14.1	17.2
52°	3.9	3.9	4.7	4.7	7.8	10.9	13.3	15.6
53°	3.1	3.9	3.9	4.7	7.8	10.9	12.5	14.8
54°	3.1	3.1	3.9	3.9	7.8	10.1	12.5	13.3
55°	3.1	3.1	3.9	3.9	7.0	10.1	11.7	12.5
57.5°	3.1	3.1	3.1	3.1	6.3	8.6	10.1	10.1
60°	3.1	3.1	3.1	3.1	6.3	7.8	9.3	7.0



TEST NUMBER: P1212484

CATALOG NUMBER: LDSQA6A25935D010TE LARL15SP 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.1	3.1	3.1	3.1	5.5	7.0	7.0	5.5
64°	3.1	3.1	3.1	3.1	5.5	7.0	7.0	5.5
65°	3.1	3.1	3.1	3.1	5.5	6.3	6.3	4.7
66°	3.1	3.1	3.1	3.1	5.5	6.3	6.3	4.7
67.5°	3.1	3.1	3.1	3.1	4.7	5.5	5.5	4.7
70°	3.1	3.1	3.1	3.1	4.7	5.5	4.7	3.9
72.5°	3.1	3.1	3.1	3.1	4.7	4.7	3.9	3.1
75°	3.1	3.1	3.1	3.1	3.9	3.9	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.9	3.9	3.1	2.4
80°	3.1	3.1	3.1	3.1	3.9	3.1	2.4	1.6
82.5°	3.1	3.1	3.1	3.1	3.1	2.4	1.6	1.6
85°	3.1	3.1	3.1	3.1	3.1	2.4	1.6	0.8
87.5°	3.1	3.1	3.1	3.1	3.1	2.4	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



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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report



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Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	3.1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.1
62°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

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Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	3.1	2.4	2.4	2.4	2.4	2.4	2.4	1.6	1.6	2.4	2.4
62°	2.4	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4

Classified

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Scaled Data Report





61°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1
62°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

Classified

Cooper Lighting Solutions Photometric Lab

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Scaled Data Report



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

Scaled Data Report



61°	3.1	3.1	3.1	3.1	5.5	7.8	8.6	6.3
62°	3.1	3.1	3.1	3.1	5.5	7.0	7.8	5.5

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)