

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: P1219605

Luminaire Tested: **LDSQA6A25950D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219605
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: LDSQA6A25950D010TE 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

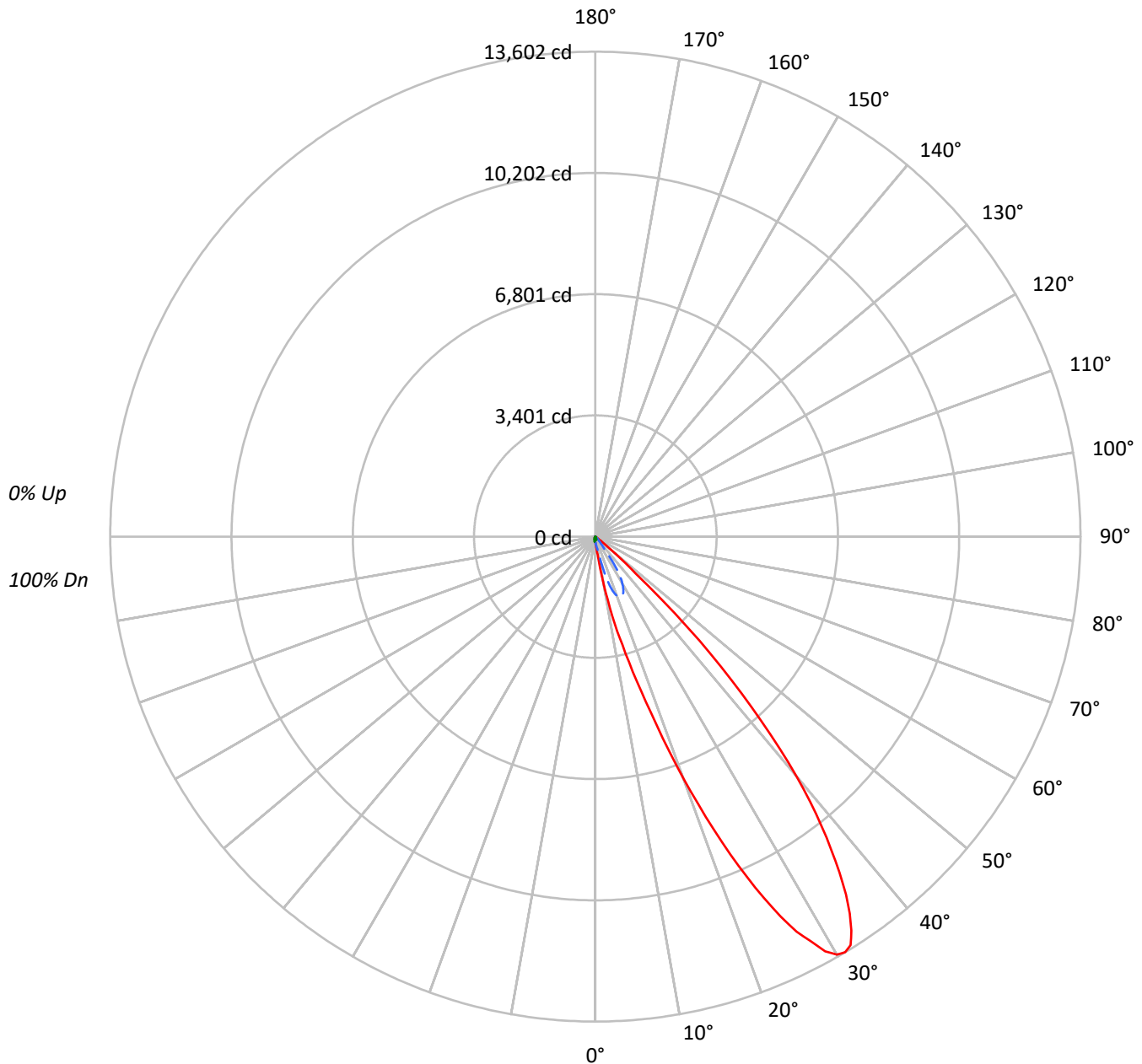
Lumens per Lamp: N/A
Luminaire Lumens: 2373.8 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 2.38 / 0.63 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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°	6893	6893	6893
5°	13753	6682	4517
10°	61868	5845	3380
15°	162189	4783	2719
20°	330230	3624	2291
25°	531372	2684	1948
30°	673056	1899	1715
35°	643839	1240	1524
40°	493673	770	1433
45°	251079	493	1327
50°	38495	362	1159
55°	5059	345	818
60°	543	310	543
65°	92	367	469
70°	113	579	579
75°	0	765	466
80°	0	893	446
85°	0	1778	445

Classified

Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.9
10°-20°	234.7	9.9
20°-30°	768.5	32.4
30°-40°	935.5	39.4
40°-50°	380.0	16.0
50°-60°	22.6	1.0
60°-70°	4.4	0.2
70°-80°	3.9	0.2
80°-90°	2.8	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°	1024.7	43.2
0°-40°	1960.2	82.6
0°-60°	2362.8	99.5
0°-90°	2373.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2373.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	318	243	155	114	104	60
15°	3639	1213	107	65	61	1184
25°	11185	1805	56	38	41	5140
35°	12249	721	24	23	29	7409
45°	4124	82	8	15	22	3163
55°	67	8	5	10	11	116
65°	1	3	4	6	5	2
75°	0	3	5	5	3	0
85°	0	3	4	4	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°	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1
2.5°	225.6	215.5	220.1	219.2	215.5	216.4	218.3	214.7	216.4	210.9	212.0
5°	318.2	303.8	311.9	302.7	307.3	302.7	302.7	297.4	292.9	292.0	287.5
7.5°	555.7	520.2	531.1	492.0	498.4	485.7	473.9	461.0	439.3	428.4	404.8
10°	1415.1	1315.0	1338.7	1253.2	1251.4	1221.4	1165.9	1127.7	1046.8	989.6	907.6
11°	1789.7	1721.5	1742.5	1648.8	1644.2	1603.4	1537.8	1436.0	1390.5	1314.1	1212.2
12°	2279.1	2164.4	2177.1	2074.4	2064.4	2009.9	1936.2	1810.7	1756.1	1663.5	1543.4
13°	2723.8	2621.9	2622.8	2510.9	2499.1	2430.0	2349.0	2197.2	2136.4	2032.6	1888.0
14°	3132.2	3054.8	3039.3	2979.3	2915.6	2834.7	2749.2	2577.3	2510.1	2393.7	2228.2
15°	3638.6	3487.7	3457.7	3382.2	3304.9	3203.1	3098.5	2902.1	2827.4	2699.2	2534.6
17.5°	5132.9	4946.4	4864.6	4710.9	4565.4	4370.0	4143.4	3795.1	3623.3	3393.1	3135.7
20°	7207.3	6913.6	6749.1	6502.6	6267.9	5947.8	5556.7	5008.3	4753.6	4308.0	3886.1
21°	8028.5	7775.8	7569.3	7292.0	7014.5	6635.3	6170.6	5590.3	5197.5	4676.4	4181.7
22°	8858.0	8617.9	8376.9	8072.2	7762.1	7319.2	6783.5	6110.5	5638.6	5030.2	4459.8
23°	9674.7	9430.9	9245.5	8828.0	8475.2	7975.8	7382.0	6612.5	6064.2	5366.7	4721.8
24°	10458.7	10192.1	9961.1	9540.0	9140.9	8585.1	7945.8	7100.0	6475.1	5687.8	4964.8
25°	11185.2	10891.5	10607.8	10174.8	9741.1	9134.5	8443.3	7541.0	6849.9	5978.8	5185.6
26°	11853.7	11452.6	11144.3	10744.1	10251.3	9614.6	8880.7	7922.1	7172.7	6221.5	5359.3
27°	12433.0	12027.3	11673.7	11245.3	10695.0	10009.4	9241.8	8195.8	7428.3	6403.4	5480.4
28°	12854.1	12511.2	12103.8	11642.7	11037.9	10281.3	9486.4	8414.1	7582.0	6498.0	5530.3
29°	13300.6	12910.6	12435.8	11911.8	11253.4	10452.3	9620.9	8527.8	7645.7	6519.9	5520.3
30°	13537.9	13178.7	12620.3	12049.2	11346.3	10506.8	9650.2	8545.2	7625.7	6467.0	5454.8
31°	13601.7	13266.0	12647.8	12051.9	11317.1	10453.1	9578.3	8456.0	7517.4	6344.3	5332.9
32°	13509.8	13174.2	12532.1	11935.5	11183.4	10303.1	9420.0	8296.8	7341.0	6160.6	5159.3
33°	13179.7	12907.8	12288.3	11714.6	10979.7	10080.2	9187.3	8037.6	7066.4	5922.3	4950.1
34°	12757.7	12504.0	11932.9	11344.4	10656.9	9774.6	8866.2	7724.0	6750.8	5629.5	4701.7
35°	12249.3	11999.3	11472.7	10887.9	10229.4	9368.1	8455.1	7330.1	6377.9	5298.5	4426.2
36°	11650.0	11389.9	10903.4	10346.8	9747.4	8877.1	7968.6	6877.3	5954.1	4938.3	4131.6
37°	10990.6	10728.6	10294.0	9778.4	9185.4	8324.1	7423.7	6377.9	5506.7	4564.6	3823.4
38°	10294.9	10051.2	9656.5	9141.7	8555.1	7709.4	6828.1	5921.3	5051.1	4186.1	3511.4
39°	9581.0	9324.5	8952.6	8446.9	7870.3	7035.5	6206.9	5396.7	4658.2	3814.2	3224.9
40°	8783.4	8541.5	8110.4	7714.0	7135.5	6340.6	5584.9	4817.3	4221.7	3456.8	2964.7
42.5°	6497.0	6307.9	6077.8	5671.2	5243.9	4673.7	4145.3	3613.2	3180.4	2746.4	2385.4
45°	4123.5	3984.3	3866.1	3613.2	3440.4	3119.4	2846.6	2574.7	2370.0	2142.7	1741.6
47.5°	1526.1	1460.5	1418.8	1307.8	1297.7	1195.0	1185.0	1316.0	1393.3	1311.4	986.8
50°	574.7	558.4	548.4	513.9	490.3	442.9	407.5	381.1	327.4	290.1	260.0
51°	377.5	365.6	348.3	345.5	335.6	309.2	292.9	287.5	251.1	212.0	181.9
52°	240.1	232.8	221.8	222.9	217.3	200.9	195.6	203.7	184.7	162.8	140.9
53°	150.9	147.3	140.1	140.1	139.2	128.2	126.5	133.7	130.0	120.0	107.3
54°	98.2	97.3	90.9	91.8	91.8	85.5	84.6	87.3	86.4	82.7	76.3
55°	67.4	66.4	65.4	62.8	61.0	59.1	59.1	60.0	59.1	57.3	53.7
57.5°	23.6	22.7	23.6	22.7	22.7	23.6	22.7	24.6	25.5	25.5	23.6
60°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	8.1	9.2	9.2	9.2



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	1.8
64°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
66°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
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°	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1
2.5°	209.1	210.1	206.5	205.5	204.6	200.0	197.4	194.6	191.9	187.3	189.2
5°	280.1	280.1	272.0	266.4	263.7	253.7	249.3	242.8	235.6	230.0	227.4
7.5°	391.0	384.7	366.6	352.9	344.7	324.7	312.8	295.6	285.6	274.7	268.3
10°	829.4	786.7	697.5	633.9	573.9	501.2	434.7	382.8	349.2	324.7	309.2
11°	1117.8	1061.3	947.6	859.4	781.2	677.5	575.6	478.3	408.3	365.6	333.7
12°	1434.3	1361.5	1224.9	1115.8	1020.3	890.3	760.3	632.1	531.1	451.0	385.6
13°	1763.4	1669.8	1511.5	1386.0	1276.0	1125.9	971.3	817.6	694.8	585.6	486.6
14°	2089.9	1975.4	1801.6	1657.0	1533.3	1366.0	1190.5	1019.4	875.9	738.5	617.4
15°	2386.4	2260.9	2108.2	1918.9	1785.3	1570.6	1405.0	1213.2	1049.5	890.3	749.4
17.5°	2918.4	2749.2	2569.1	2373.7	2246.3	2034.4	1824.3	1592.4	1394.1	1196.8	1007.7
20°	3503.2	3201.3	2904.7	2613.7	2429.1	2203.6	1998.0	1768.8	1559.7	1336.0	1130.5
21°	3733.3	3387.7	3026.6	2700.2	2491.0	2249.9	2037.2	1799.8	1579.8	1341.4	1125.0
22°	3951.5	3538.6	3133.1	2773.0	2544.7	2298.2	2069.0	1819.7	1585.2	1335.0	1108.6
23°	4150.7	3684.2	3231.3	2836.5	2583.7	2321.8	2085.3	1828.0	1582.4	1320.6	1084.0
24°	4331.6	3817.9	3315.0	2883.8	2607.3	2329.1	2083.5	1821.7	1568.8	1298.6	1050.4
25°	4488.1	3923.3	3375.8	2909.3	2613.7	2325.4	2074.4	1805.2	1541.6	1261.3	1011.3
26°	4606.4	3990.7	3405.1	2912.8	2604.7	2313.7	2053.5	1775.2	1498.7	1211.4	958.6
27°	4674.5	4015.1	3405.1	2897.5	2586.5	2291.8	2019.9	1728.9	1443.2	1149.6	893.2
28°	4686.4	4004.2	3380.4	2865.7	2551.8	2253.7	1970.8	1669.8	1377.8	1075.9	821.2
29°	4655.5	3960.6	3327.7	2811.1	2501.0	2204.6	1907.2	1595.2	1299.7	995.0	746.6
30°	4579.1	3880.6	3249.4	2742.0	2440.2	2139.9	1827.1	1512.4	1211.4	911.2	661.1
31°	4459.8	3765.1	3149.4	2658.3	2364.5	2062.6	1738.8	1417.0	1112.3	807.7	568.4
32°	4301.6	3603.2	3038.5	2562.8	2280.9	1974.3	1628.8	1295.1	981.2	681.2	461.0
33°	4115.3	3445.0	2914.8	2460.0	2189.9	1853.5	1477.0	1113.2	821.2	540.3	349.2
34°	3902.4	3274.9	2782.0	2351.9	2070.7	1676.2	1287.7	925.8	645.6	394.8	246.5
35°	3666.8	3093.9	2642.8	2224.5	1882.5	1459.6	1071.3	721.2	467.5	267.4	185.5
36°	3415.8	2891.2	2483.6	2042.6	1657.0	1216.8	842.1	519.3	310.1	199.2	160.1
37°	3179.4	2714.7	2319.1	1814.4	1402.4	963.1	614.8	346.5	226.4	173.7	142.0
38°	2956.6	2544.7	2104.4	1561.5	1140.5	722.1	404.8	255.6	196.5	152.9	125.4
39°	2748.3	2373.7	1853.5	1290.5	878.5	509.3	293.8	219.2	171.0	135.5	111.0
40°	2547.3	2129.0	1579.8	1052.2	640.3	355.6	247.3	193.6	150.9	119.1	93.6
42.5°	1910.8	1367.8	874.8	479.2	301.0	231.9	176.5	136.3	100.0	73.7	56.5
45°	1199.5	695.8	375.5	269.2	210.1	157.2	114.5	81.8	60.0	44.5	35.4
47.5°	545.7	299.2	232.8	180.1	135.5	93.6	67.4	49.1	36.4	28.2	20.9
50°	200.0	170.1	138.2	102.8	74.6	53.7	39.1	29.0	21.8	16.3	11.8
51°	156.4	136.3	110.1	77.3	59.1	43.7	31.8	23.6	17.3	12.7	9.2
52°	122.8	108.2	84.6	60.0	46.4	34.5	25.5	18.1	12.7	10.0	7.3
53°	94.6	82.7	63.6	46.4	36.4	27.2	20.1	14.6	10.0	7.3	5.4
54°	70.0	61.0	47.3	35.4	28.2	20.9	14.6	10.9	7.3	5.4	4.6
55°	50.0	44.5	35.4	28.2	21.8	16.3	10.9	8.1	5.4	3.6	3.6
57.5°	20.9	20.1	16.3	13.7	10.9	8.1	5.4	3.6	3.6	2.8	3.6
60°	8.1	8.1	7.3	5.4	4.6	3.6	2.8	2.8	2.8	2.8	2.8



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CATALOG NUMBER: LDSQA6A25950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6
64°	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6
65°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8	3.6
66°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8	3.6
67.5°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	3.6	3.6
70°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	3.6	3.6
72.5°	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	3.6	3.6
75°	0.9	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	3.6	3.6
77.5°	0.9	1.8	1.8	1.8	2.8	2.8	2.8	2.8	3.6	3.6	3.6
80°	0.9	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	3.6	3.6
82.5°	0.9	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	3.6	3.6
85°	0.9	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	3.6	3.6
87.5°	0.9	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6	3.6	3.6
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: P1219605

CATALOG NUMBER: LDSQA6A25950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1
2.5°	186.5	186.5	180.1	178.3	177.3	175.6	171.0	171.0	168.2	164.6	162.8
5°	221.0	219.2	209.1	203.7	199.2	193.6	184.7	181.0	175.6	170.1	165.6
7.5°	254.7	248.2	232.8	224.6	218.3	209.1	197.4	189.2	180.1	171.0	164.6
10°	288.3	275.5	253.7	240.1	228.2	215.5	200.9	191.9	180.1	168.2	159.2
11°	301.9	285.6	261.0	243.7	230.0	215.5	200.9	189.2	178.3	166.4	156.4
12°	328.3	297.4	268.3	249.3	231.9	215.5	199.2	186.5	174.5	162.8	152.9
13°	381.9	324.7	276.5	253.7	234.6	215.5	197.4	183.7	171.0	159.2	148.3
14°	479.2	381.1	298.4	258.2	235.6	215.5	195.6	179.1	166.4	153.7	143.7
15°	589.4	467.5	342.9	274.7	236.4	213.7	191.9	174.5	161.0	148.3	138.2
17.5°	817.6	653.8	485.7	356.4	259.2	208.3	178.3	161.0	145.5	132.8	120.8
20°	910.4	720.2	531.1	381.9	268.3	199.2	162.8	144.6	128.2	115.5	105.6
21°	898.6	707.5	517.5	364.7	251.1	186.5	154.6	137.4	121.9	108.2	99.2
22°	874.0	677.5	485.7	332.8	230.0	173.7	147.3	129.2	114.5	101.8	92.8
23°	841.3	634.7	449.3	299.2	208.3	161.8	140.1	121.9	108.2	95.5	87.3
24°	800.3	592.0	407.5	265.6	187.3	152.9	131.8	114.5	101.0	90.1	81.8
25°	754.8	547.5	362.9	237.3	174.5	143.7	122.8	106.4	94.6	84.6	76.3
26°	699.3	494.7	321.0	210.9	159.2	133.7	113.7	99.2	88.3	79.1	70.9
27°	635.8	440.1	274.7	183.7	146.4	123.7	105.6	92.8	82.7	73.7	65.4
28°	578.4	379.3	235.6	163.6	136.3	113.7	98.2	86.4	77.3	68.2	61.0
29°	506.5	321.0	200.9	148.3	125.4	106.4	90.9	80.1	70.9	61.9	55.4
30°	434.7	265.6	171.9	135.5	114.5	97.3	83.7	73.7	64.6	57.3	51.9
31°	360.2	220.1	150.9	124.6	104.5	90.1	77.3	68.2	59.1	52.7	47.3
32°	275.5	180.1	134.6	112.7	95.5	80.9	70.9	61.9	53.7	48.2	42.7
33°	207.4	151.8	121.9	101.8	86.4	74.6	64.6	55.4	49.1	43.7	39.1
34°	165.6	135.5	110.1	91.8	78.1	67.4	57.3	50.0	43.7	39.1	34.5
35°	145.5	121.9	98.2	82.7	70.0	59.1	50.9	44.5	39.1	34.5	31.0
36°	129.2	109.1	87.3	73.7	61.0	51.9	44.5	39.1	33.6	30.1	27.2
37°	115.5	96.4	77.3	63.6	52.7	45.6	39.1	33.6	29.0	26.4	24.6
38°	103.8	82.7	65.4	54.5	45.6	39.1	33.6	29.0	25.5	22.7	20.9
39°	88.3	70.0	54.5	46.4	38.2	32.8	28.2	25.5	21.8	20.1	18.1
40°	73.7	58.2	45.6	38.2	32.8	27.2	24.6	20.9	19.1	17.3	15.5
42.5°	45.6	36.4	29.0	24.6	20.9	18.1	16.3	14.6	12.7	11.8	10.9
45°	28.2	22.7	18.1	15.5	12.7	11.8	10.9	9.2	9.2	8.1	8.1
47.5°	16.3	13.7	10.0	9.2	7.3	7.3	6.3	6.3	5.4	6.3	5.4
50°	9.2	6.3	5.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
51°	7.3	5.4	4.6	3.6	3.6	3.6	3.6	3.6	3.6	4.6	4.6
52°	5.4	4.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
53°	4.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
54°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6	2.8	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	2.8	2.8	3.6	2.8	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6



TEST NUMBER: P1219605

CATALOG NUMBER: LDSQA6A25950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
64°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
66°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
70°	3.6	3.6	3.6	4.6	4.6	4.6	4.6	3.6	3.6	3.6	3.6
72.5°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.6
75°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
80°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	3.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
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

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Peachtree City, GA 30269



TEST NUMBER: P1219605

CATALOG NUMBER: LDSQA6A25950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	160.1	160.1	160.1	160.1	160.1	160.1	160.1	160.1
2.5°	161.8	161.8	161.0	159.2	145.5	133.7	126.5	125.4
5°	162.8	161.0	157.2	154.6	130.0	114.5	105.6	104.5
7.5°	159.2	155.5	150.9	145.5	115.5	99.2	90.9	89.1
10°	152.9	146.4	140.9	133.7	101.8	86.4	79.1	77.3
11°	148.3	142.0	136.3	129.2	96.4	81.8	74.6	73.7
12°	144.6	137.4	130.0	123.7	90.9	77.3	70.9	70.0
13°	139.2	131.8	125.4	118.2	86.4	73.7	67.4	66.4
14°	134.6	126.5	120.0	113.7	81.8	69.2	64.6	63.6
15°	129.2	120.8	113.7	107.3	77.3	65.4	61.9	61.0
17.5°	114.5	105.6	99.2	92.8	66.4	57.3	54.5	55.4
20°	97.3	90.1	84.6	79.1	56.5	50.0	49.1	50.0
21°	90.9	84.6	80.1	74.6	52.7	47.3	47.3	48.2
22°	85.5	79.1	74.6	69.2	50.0	44.5	44.5	46.4
23°	80.1	73.7	69.2	64.6	46.4	42.7	42.7	44.5
24°	74.6	69.2	64.6	60.0	43.7	39.9	41.0	42.7
25°	69.2	64.6	60.0	56.5	41.0	38.2	39.1	41.0
26°	65.4	60.0	56.5	51.9	38.2	36.4	37.3	39.9
27°	60.0	55.4	51.9	48.2	36.4	34.5	36.4	38.2
28°	56.5	51.9	48.2	44.5	33.6	32.8	34.5	37.3
29°	51.9	48.2	44.5	41.8	31.8	31.0	33.6	35.4
30°	47.3	43.7	41.0	38.2	30.1	29.0	31.8	34.5
31°	43.7	41.0	38.2	35.4	28.2	28.2	31.0	33.6
32°	39.9	37.3	34.5	31.8	26.4	26.4	30.1	31.8
33°	36.4	33.6	31.0	29.0	24.6	25.5	28.2	31.0
34°	31.8	30.1	28.2	26.4	22.7	23.6	27.2	30.1
35°	29.0	27.2	25.5	23.6	21.8	22.7	26.4	29.0
36°	25.5	24.6	22.7	21.8	20.1	21.8	25.5	28.2
37°	22.7	21.8	20.1	19.1	19.1	20.9	24.6	27.2
38°	20.1	19.1	18.1	17.3	18.1	20.1	23.6	26.4
39°	17.3	16.3	16.3	15.5	17.3	19.1	22.7	25.5
40°	15.5	14.6	14.6	13.7	16.3	18.1	21.8	25.5
42.5°	10.9	10.9	10.9	10.9	13.7	16.3	20.1	23.6
45°	8.1	8.1	8.1	8.1	11.8	14.6	17.3	21.8
47.5°	6.3	6.3	6.3	6.3	10.9	13.7	16.3	19.1
50°	4.6	4.6	5.4	5.4	10.0	11.8	14.6	17.3
51°	4.6	4.6	4.6	5.4	9.2	11.8	13.7	16.3
52°	4.6	4.6	4.6	4.6	9.2	10.9	12.7	14.6
53°	3.6	4.6	4.6	4.6	8.1	10.9	11.8	13.7
54°	3.6	3.6	3.6	4.6	8.1	10.0	10.9	12.7
55°	3.6	3.6	3.6	4.6	7.3	10.0	10.9	10.9
57.5°	3.6	3.6	3.6	3.6	7.3	9.2	10.0	9.2
60°	3.6	3.6	3.6	3.6	6.3	8.1	9.2	6.3



TEST NUMBER: P1219605

CATALOG NUMBER: LDSQA6A25950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.6	3.6	3.6	3.6	6.3	7.3	7.3	5.4
64°	3.6	3.6	3.6	3.6	6.3	7.3	7.3	5.4
65°	3.6	3.6	3.6	3.6	6.3	6.3	6.3	4.6
66°	3.6	3.6	3.6	3.6	6.3	6.3	6.3	4.6
67.5°	3.6	3.6	3.6	3.6	6.3	6.3	5.4	4.6
70°	3.6	3.6	3.6	4.6	5.4	5.4	5.4	4.6
72.5°	3.6	3.6	3.6	4.6	5.4	5.4	4.6	3.6
75°	4.6	4.6	4.6	4.6	5.4	5.4	4.6	2.8
77.5°	4.6	4.6	4.6	4.6	5.4	4.6	3.6	2.8
80°	4.6	4.6	3.6	3.6	4.6	4.6	2.8	1.8
82.5°	4.6	4.6	3.6	3.6	4.6	3.6	2.8	1.8
85°	4.6	4.6	3.6	3.6	4.6	3.6	1.8	0.9
87.5°	4.6	3.6	3.6	3.6	4.6	3.6	0.9	0.9
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





61°	2.8	2.8	2.8	2.8	3.6	2.8	3.6	4.6	5.4	5.4	5.4
62°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8	3.6

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Scaled Data Report





61°	5.4	5.4	4.6	4.6	3.6	2.8	2.8	2.8	2.8	2.8	2.8
62°	3.6	3.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.6

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Scaled Data Report





61°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
62°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6

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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°	3.6	3.6	3.6	3.6	6.3	8.1	8.1	6.3
62°	3.6	3.6	3.6	3.6	6.3	7.3	8.1	5.4

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)