

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: P1219601

Luminaire Tested: **LDSQA6A25950D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A25950D010TE LAR35FL 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 35° FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

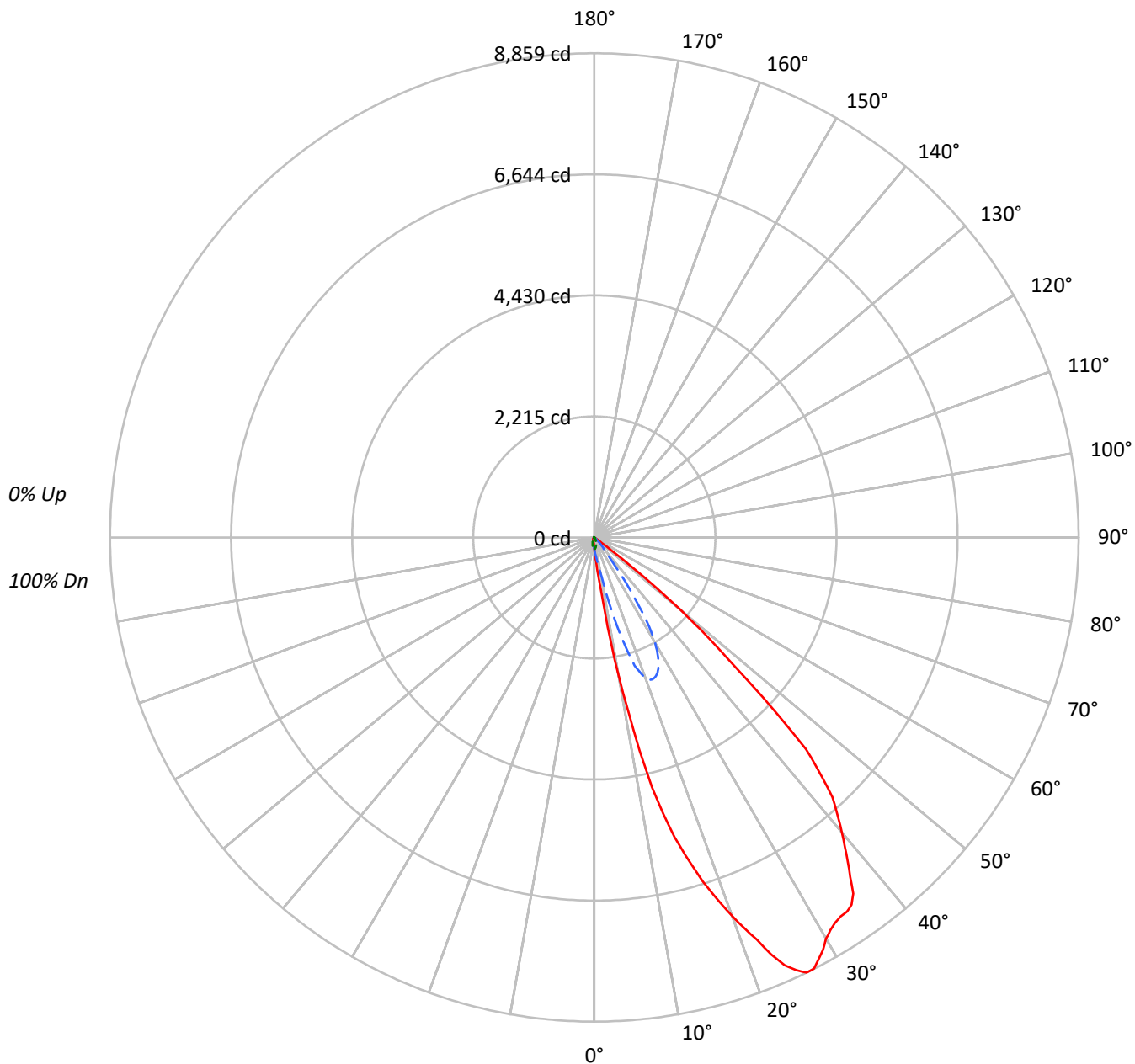
Lumens per Lamp: N/A
Luminaire Lumens: 2648.1 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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	76	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	9055	9055	9055
5°	22185	8635	4767
10°	112439	7161	3484
15°	252934	5425	2773
20°	337818	3817	2328
25°	415056	2665	2033
30°	421511	1830	1869
35°	431265	1146	1656
40°	396033	691	1523
45°	333518	481	1388
50°	136417	409	1232
55°	6643	398	923
60°	388	388	611
65°	82	458	540
70°	101	566	566
75°	0	882	566
80°	0	1314	645
85°	0	2618	889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	1.2
10°-20°	350.0	13.2
20°-30°	806.1	30.4
30°-40°	886.4	33.5
40°-50°	520.0	19.6
50°-60°	42.4	1.6
60°-70°	4.3	0.2
70°-80°	3.7	0.1
80°-90°	2.9	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°	1188.4	44.9
0°-40°	2074.8	78.4
0°-60°	2637.2	99.6
0°-90°	2648.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2648.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	210	210	210	210	210	
5°	513	354	200	124	110	108
15°	5674	1855	122	67	62	1602
25°	8737	2733	56	39	43	3915
35°	8205	984	22	24	32	4998
45°	5477	110	8	15	23	3793
55°	88	5	5	10	12	353
65°	1	3	4	6	5	1
75°	0	3	5	4	3	0
85°	0	3	5	3	2	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°	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3
2.5°	324.1	317.0	315.3	314.4	309.2	311.8	313.6	309.2	309.2	309.2	299.6
5°	513.3	494.1	491.4	487.0	473.9	473.9	475.7	464.2	459.9	444.2	430.0
7.5°	1052.9	980.1	1014.3	995.1	941.7	924.1	920.6	872.4	842.6	783.1	728.8
10°	2571.8	2408.8	2458.8	2406.2	2281.9	2203.0	2203.0	2068.1	1967.5	1790.5	1611.7
11°	3213.1	3111.4	3162.1	3100.9	2954.6	2857.4	2854.8	2696.1	2572.6	2354.7	2132.1
12°	3981.2	3825.2	3792.9	3807.9	3644.1	3532.7	3519.6	3345.3	3206.0	2953.7	2699.7
13°	4685.4	4580.4	4469.9	4477.0	4305.4	4191.5	4163.4	3980.3	3833.1	3559.9	3278.7
14°	5208.4	5149.8	5054.2	5043.7	4888.6	4774.0	4739.8	4553.2	4399.0	4124.0	3828.9
15°	5674.4	5619.2	5529.1	5505.4	5356.4	5239.9	5200.5	5006.0	4848.4	4589.2	4303.5
17.5°	6598.6	6562.6	6527.6	6433.0	6320.0	6150.1	6094.9	5868.9	5663.9	5430.0	5118.3
20°	7372.9	7324.7	7251.2	7174.1	7031.3	6847.4	6808.8	6536.3	6321.7	6088.7	5724.4
21°	7655.9	7608.5	7529.7	7441.2	7279.3	7084.8	7031.3	6743.9	6517.9	6276.3	5905.7
22°	7938.7	7894.0	7813.5	7701.4	7521.8	7303.7	7224.0	6921.0	6682.6	6416.4	6044.1
23°	8289.1	8184.1	8096.4	7958.9	7747.9	7500.8	7393.0	7066.4	6815.8	6538.1	6158.9
24°	8566.9	8459.9	8357.4	8190.2	7951.8	7677.7	7540.2	7192.5	6936.8	6636.1	6253.4
25°	8736.8	8681.6	8573.9	8383.8	8125.3	7825.7	7664.6	7295.8	7016.5	6718.6	6331.4
26°	8858.6	8800.8	8707.9	8509.1	8262.0	7957.1	7761.0	7382.5	7093.4	6772.0	6383.1
27°	8854.1	8819.1	8741.1	8566.1	8358.4	8048.2	7841.5	7440.4	7133.7	6799.1	6403.3
28°	8736.8	8736.8	8701.7	8559.8	8381.0	8088.5	7870.4	7450.9	7138.1	6793.1	6390.1
29°	8629.9	8602.8	8609.7	8498.6	8346.1	8060.6	7849.4	7420.2	7105.8	6753.7	6350.7
30°	8478.3	8470.5	8501.2	8411.8	8285.7	8001.0	7782.0	7356.2	7041.8	6688.8	6287.6
31°	8383.8	8362.6	8392.6	8318.0	8179.7	7888.0	7679.6	7264.3	6957.8	6605.6	6210.6
32°	8312.7	8287.4	8322.4	8226.0	8075.4	7787.3	7564.8	7163.6	6848.2	6513.6	6112.4
33°	8269.9	8262.0	8275.2	8144.7	7951.0	7650.7	7449.1	7055.9	6743.2	6410.4	6004.6
34°	8262.0	8245.4	8222.6	8035.1	7825.7	7521.0	7318.7	6935.8	6630.1	6288.5	5873.3
35°	8205.0	8168.4	8116.6	7883.5	7648.8	7357.1	7166.2	6797.4	6488.1	6143.1	5710.4
36°	8057.9	7995.7	7939.7	7696.9	7453.5	7181.0	7001.5	6640.6	6332.2	5975.7	5523.9
37°	7774.9	7753.9	7685.6	7479.0	7256.4	6994.5	6821.2	6476.8	6158.0	5784.0	5315.3
38°	7529.7	7506.9	7443.8	7257.2	7055.0	6803.6	6630.9	6265.8	5961.7	5568.5	5087.6
39°	7280.9	7260.9	7212.6	7009.4	6833.3	6596.7	6424.3	6058.9	5748.0	5329.4	4836.1
40°	7046.2	7026.1	6982.2	6780.7	6606.4	6381.4	6206.1	5833.9	5541.2	5069.2	4547.9
42.5°	6447.9	6379.6	6323.6	6130.0	5974.1	5740.2	5550.9	5168.2	4758.2	4258.1	3735.1
45°	5477.4	5392.4	5325.8	5201.4	5031.5	4851.0	4595.2	4181.8	3757.8	3274.3	2562.1
47.5°	3419.7	3300.5	3224.4	3082.5	2891.6	2768.1	2700.6	2482.5	2193.4	1979.6	1438.2
50°	2036.6	1949.1	1885.0	1679.2	1533.8	1353.4	1181.6	864.4	693.8	524.7	434.5
51°	1464.5	1392.8	1355.1	1185.1	1074.7	946.0	825.2	601.8	484.4	366.2	302.2
52°	847.9	792.7	791.0	681.5	638.7	586.0	501.0	396.9	339.0	265.4	226.8
53°	394.2	361.7	368.0	317.0	300.5	293.4	290.8	231.3	226.0	197.9	167.3
54°	176.9	162.1	151.6	146.3	142.0	143.7	147.2	133.2	127.9	124.4	113.9
55°	88.5	80.6	76.2	80.6	71.8	72.8	75.4	70.1	68.3	68.3	66.6
57.5°	19.2	18.4	18.4	19.2	18.4	18.4	19.2	19.2	19.2	18.4	18.4
60°	4.5	4.5	4.5	4.5	5.3	5.3	5.3	5.3	6.1	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8	1.8
64°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8
66°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.8
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.8
80°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.8
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°	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3
2.5°	298.6	291.7	292.6	287.2	283.8	281.2	283.8	275.9	274.1	266.2	262.0
5°	426.6	410.0	404.8	392.4	378.5	371.4	368.8	353.8	345.9	331.1	322.3
7.5°	705.1	652.6	621.9	586.0	542.3	520.3	492.2	465.2	435.3	407.4	388.0
10°	1533.8	1366.5	1241.2	1112.5	938.1	850.5	738.5	656.0	573.8	508.9	468.6
11°	2032.2	1819.3	1650.3	1471.6	1240.3	1115.1	951.2	816.4	673.6	574.6	509.8
12°	2571.8	2316.9	2108.4	1875.4	1592.4	1424.3	1219.3	1040.6	841.8	689.4	578.1
13°	3115.8	2823.3	2582.3	2300.3	1978.8	1762.5	1520.7	1299.9	1051.1	856.6	695.4
14°	3642.3	3320.8	3053.5	2726.0	2377.3	2116.3	1841.3	1576.7	1283.4	1046.8	844.5
15°	4112.7	3772.7	3493.3	3139.4	2773.3	2471.0	2162.8	1855.3	1549.6	1248.2	1007.3
17.5°	4922.0	4564.6	4289.6	3917.3	3555.6	3211.2	2858.2	2458.8	2081.4	1707.3	1422.5
20°	5534.4	5103.3	4774.0	4333.3	3920.8	3532.7	3159.5	2752.3	2379.1	1975.4	1651.1
21°	5690.3	5243.5	4907.0	4465.7	4020.6	3610.7	3218.3	2790.7	2403.5	1996.3	1674.0
22°	5822.4	5374.0	5013.9	4550.6	4095.9	3662.5	3254.2	2804.9	2401.9	1981.4	1657.3
23°	5923.3	5466.9	5100.7	4625.0	4154.7	3700.1	3270.9	2798.6	2380.9	1950.7	1618.8
24°	6018.7	5551.7	5169.8	4671.5	4188.9	3706.1	3262.0	2774.1	2345.7	1904.3	1567.1
25°	6079.9	5608.7	5207.6	4694.4	4190.6	3689.5	3233.0	2732.9	2292.4	1841.3	1499.7
26°	6123.8	5635.9	5220.8	4686.4	4176.5	3656.2	3187.6	2671.7	2218.8	1763.3	1421.7
27°	6130.8	5634.2	5204.1	4659.2	4130.0	3593.1	3114.0	2585.8	2124.2	1673.2	1336.7
28°	6104.5	5601.6	5161.9	4606.6	4065.4	3509.1	3018.6	2482.5	2019.1	1573.2	1242.9
29°	6058.1	5547.5	5090.2	4520.9	3963.6	3396.0	2903.8	2362.5	1900.8	1460.3	1139.6
30°	5984.6	5468.6	4998.2	4420.0	3847.3	3268.2	2770.7	2222.3	1756.2	1321.7	1004.7
31°	5896.1	5366.9	4873.9	4281.7	3700.8	3117.5	2616.4	2035.7	1570.6	1147.5	843.6
32°	5781.4	5238.2	4731.1	4128.5	3537.1	2945.0	2405.4	1797.4	1349.8	945.2	669.2
33°	5654.3	5095.5	4561.1	3930.4	3354.9	2713.7	2128.6	1527.7	1103.6	731.4	492.2
34°	5497.5	4924.6	4380.6	3728.9	3121.0	2413.3	1773.0	1236.9	849.7	523.0	334.6
35°	5316.2	4727.5	4161.7	3491.6	2806.5	2067.2	1441.9	983.7	607.9	348.6	243.6
36°	5105.2	4513.8	3929.5	3184.2	2448.3	1705.5	1122.1	720.9	416.1	265.4	209.5
37°	4877.3	4274.6	3618.6	2863.5	2063.8	1349.0	834.8	507.2	314.4	235.7	181.4
38°	4621.6	4019.7	3266.4	2465.8	1677.4	1019.5	596.5	378.5	270.7	205.0	155.1
39°	4338.6	3705.3	2863.5	2047.1	1305.2	734.9	454.7	311.0	233.9	176.9	134.1
40°	4025.0	3262.0	2424.7	1633.7	970.6	529.9	370.6	268.9	204.2	151.6	113.9
42.5°	2981.0	2163.6	1334.1	770.8	458.1	330.2	246.2	189.2	134.1	91.1	58.7
45°	1791.4	1104.6	585.1	400.3	290.0	221.6	158.5	109.5	63.9	39.4	27.1
47.5°	800.6	461.6	327.5	258.3	187.4	132.2	77.1	46.5	28.9	20.2	15.0
50°	311.8	253.1	195.3	148.9	90.2	52.5	33.4	21.8	15.0	10.5	7.1
51°	241.0	196.2	152.5	109.5	60.4	36.8	24.4	16.6	11.3	7.9	5.3
52°	184.8	150.6	114.8	73.6	41.2	28.1	19.2	12.3	8.7	5.3	4.5
53°	135.8	115.6	79.7	51.7	29.7	21.0	15.0	9.7	6.1	4.5	3.4
54°	93.8	79.7	50.8	32.3	21.8	15.8	10.5	7.1	4.5	3.4	3.4
55°	57.0	49.9	33.4	23.6	15.8	11.3	7.9	5.3	3.4	2.6	2.6
57.5°	17.6	15.8	13.1	10.5	7.1	5.3	3.4	2.6	2.6	2.6	2.6
60°	6.1	6.1	5.3	4.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P1219601

CATALOG NUMBER: LDSQA6A25950D010TE LAR35FL 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	1.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
64°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.4
65°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.4
66°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.4
67.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	2.6	3.4
70°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.4	3.4
72.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.4	3.4
75°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4
77.5°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4
80°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	3.4	3.4	3.4
82.5°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	3.4	3.4	3.4
85°	1.8	1.8	1.8	1.8	2.6	2.6	2.6	2.6	3.4	3.4	3.4
87.5°	1.8	1.8	1.8	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4
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: P1219601

CATALOG NUMBER: LDSQA6A25950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3
2.5°	258.3	254.1	250.5	247.0	242.6	240.0	237.3	232.1	229.4	223.4	218.9
5°	312.7	303.1	293.4	283.8	275.1	268.1	261.0	251.5	244.4	233.9	225.2
7.5°	366.9	347.8	330.2	315.3	299.6	288.1	275.1	261.0	248.9	234.7	221.6
10°	428.4	392.4	362.6	336.4	313.6	295.2	277.8	258.3	243.6	225.2	210.3
11°	454.7	411.6	374.8	343.3	317.0	296.0	275.9	254.9	238.4	220.0	203.2
12°	493.1	430.0	387.2	350.4	318.9	295.2	273.3	250.5	233.1	213.7	197.1
13°	558.0	463.4	399.5	354.7	321.5	293.4	268.9	244.4	226.0	205.8	188.3
14°	665.7	522.0	424.7	362.6	321.5	291.7	263.6	237.3	217.3	197.1	179.5
15°	797.2	617.6	473.9	379.3	320.6	288.1	258.3	230.5	208.4	187.4	168.2
17.5°	1133.5	893.4	684.1	502.8	368.0	282.0	239.2	206.8	183.1	159.4	142.0
20°	1334.9	1061.6	826.9	617.6	444.2	309.2	222.6	180.5	155.1	134.1	117.4
21°	1359.6	1083.6	842.6	631.6	452.8	312.7	217.3	169.0	143.7	122.7	107.7
22°	1351.7	1077.3	835.7	623.7	444.2	304.8	207.6	158.5	133.2	113.0	98.1
23°	1313.1	1043.2	802.4	592.2	420.5	286.4	193.6	147.2	122.7	103.4	89.3
24°	1257.0	986.3	751.6	545.7	378.5	254.1	173.5	134.9	112.2	94.6	83.3
25°	1190.4	921.4	687.5	493.1	328.5	218.1	152.5	122.7	101.7	85.9	76.2
26°	1115.9	851.3	621.1	433.7	275.9	183.1	134.9	111.2	91.1	77.1	69.2
27°	1036.3	775.3	550.9	368.8	229.4	155.9	121.7	99.0	82.3	70.9	63.0
28°	951.2	699.1	474.8	307.5	190.0	136.7	109.5	88.5	73.6	63.9	57.8
29°	855.8	609.8	401.1	251.5	156.8	120.8	97.2	78.8	66.6	58.7	53.4
30°	735.9	508.9	321.5	202.4	134.9	107.7	86.7	70.9	60.4	54.4	49.1
31°	599.2	395.8	244.4	160.3	117.4	95.5	77.1	63.9	55.2	49.9	44.7
32°	452.8	288.1	182.2	133.2	103.4	84.1	68.3	57.8	50.8	44.7	41.2
33°	318.9	205.8	147.2	115.6	90.2	73.6	61.3	52.5	46.5	40.2	36.8
34°	218.9	165.6	127.9	99.8	78.8	65.7	55.2	47.3	41.2	36.0	32.3
35°	184.8	144.6	110.3	85.9	68.3	57.8	49.1	42.0	36.0	31.5	28.1
36°	159.4	125.3	94.6	75.4	59.6	49.9	42.8	36.0	30.7	26.3	24.4
37°	137.5	107.7	81.4	64.9	50.8	42.0	34.9	29.7	26.3	22.8	21.0
38°	119.1	91.1	69.2	55.2	42.0	34.2	28.9	24.4	21.8	19.2	17.6
39°	101.7	76.2	56.1	43.9	33.4	28.1	23.6	21.0	18.4	16.6	15.0
40°	84.1	60.4	42.8	34.2	26.3	22.8	19.2	17.6	15.0	13.9	13.1
42.5°	39.4	28.9	22.8	19.2	15.8	13.9	12.3	10.5	9.7	8.7	8.7
45°	20.2	16.6	12.3	10.5	8.7	7.9	7.1	6.1	6.1	6.1	6.1
47.5°	10.5	7.9	6.1	5.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5
50°	5.3	3.4	3.4	3.4	2.6	3.4	3.4	3.4	3.4	4.5	4.5
51°	3.4	3.4	2.6	2.6	2.6	3.4	3.4	3.4	3.4	4.5	4.5
52°	3.4	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4	4.5	4.5
53°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	4.5	4.5
54°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	4.5	4.5
55°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4	4.5
57.5°	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4	3.4	4.5
60°	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4	3.4	3.4	4.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219601

CATALOG NUMBER: LDSQA6A25950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
64°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
66°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
67.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5
70°	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5
72.5°	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5
75°	3.4	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.4	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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: P1219601

CATALOG NUMBER: LDSQA6A25950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3
2.5°	218.9	211.1	212.1	207.6	173.5	155.1	145.4	138.4
5°	220.8	209.5	206.8	199.8	144.6	123.6	114.8	110.3
7.5°	214.7	199.8	194.5	184.8	122.7	103.4	96.4	92.8
10°	200.6	184.0	175.2	163.8	105.1	89.3	82.3	79.7
11°	193.6	176.1	167.3	155.9	99.0	84.1	78.0	75.4
12°	185.7	167.3	159.4	147.2	92.8	78.8	73.6	70.9
13°	176.9	158.5	150.6	139.3	86.7	74.5	70.1	67.5
14°	166.4	149.8	142.0	131.5	81.4	70.1	66.6	64.9
15°	156.8	141.1	132.2	121.7	77.1	66.6	63.9	62.2
17.5°	131.5	117.4	110.3	101.7	64.9	57.0	57.0	56.1
20°	107.7	95.5	90.2	83.3	54.4	49.9	50.8	50.8
21°	99.0	88.5	83.3	77.1	51.7	47.3	49.1	49.1
22°	90.2	80.6	77.1	70.9	48.2	44.7	47.3	47.3
23°	83.3	73.6	70.9	65.7	44.7	42.8	45.6	45.6
24°	76.2	68.3	64.9	60.4	42.0	40.2	43.9	44.7
25°	70.1	62.2	59.6	56.1	39.4	38.6	42.0	42.8
26°	63.9	57.0	55.2	51.7	36.8	36.8	40.2	42.0
27°	58.7	53.4	50.8	47.3	34.2	34.9	39.4	40.2
28°	54.4	49.1	46.5	43.9	31.5	33.4	37.6	39.4
29°	49.9	44.7	42.8	40.2	29.7	31.5	36.0	38.6
30°	45.6	41.2	39.4	36.8	28.1	29.7	34.9	37.6
31°	42.0	37.6	36.0	33.4	26.3	28.9	33.4	36.0
32°	37.6	34.2	32.3	30.7	24.4	27.1	32.3	34.9
33°	34.2	29.7	28.9	27.1	23.6	26.3	31.5	33.4
34°	29.7	26.3	25.5	24.4	21.8	24.4	29.7	32.3
35°	25.5	23.6	22.8	21.8	20.2	23.6	28.9	31.5
36°	22.8	20.2	20.2	19.2	19.2	22.8	28.1	30.7
37°	19.2	18.4	17.6	17.6	17.6	21.0	26.3	29.7
38°	16.6	15.8	15.8	15.8	16.6	20.2	25.5	28.9
39°	13.9	13.9	13.9	13.9	15.8	19.2	24.4	28.1
40°	12.3	12.3	12.3	12.3	15.0	18.4	23.6	27.1
42.5°	8.7	8.7	8.7	9.7	12.3	16.6	21.0	25.5
45°	7.1	7.1	7.1	7.9	11.3	15.0	19.2	22.8
47.5°	5.3	5.3	6.1	7.1	9.7	13.1	17.6	21.0
50°	4.5	5.3	5.3	6.1	8.7	12.3	15.0	18.4
51°	4.5	4.5	5.3	5.3	7.9	11.3	13.9	17.6
52°	4.5	4.5	5.3	5.3	7.9	10.5	13.9	15.8
53°	4.5	4.5	5.3	5.3	7.9	10.5	13.1	15.0
54°	4.5	4.5	5.3	5.3	7.1	9.7	12.3	13.9
55°	4.5	4.5	5.3	5.3	7.1	9.7	12.3	12.3
57.5°	4.5	4.5	4.5	5.3	6.1	8.7	10.5	10.5
60°	4.5	4.5	4.5	4.5	6.1	7.9	9.7	7.1



TEST NUMBER: P1219601

CATALOG NUMBER: LDSQA6A25950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	4.5	4.5	4.5	4.5	5.3	7.1	7.9	5.3
64°	4.5	4.5	4.5	5.3	5.3	7.1	7.1	5.3
65°	4.5	4.5	4.5	4.5	5.3	6.1	7.1	5.3
66°	4.5	4.5	4.5	4.5	5.3	6.1	6.1	5.3
67.5°	4.5	4.5	4.5	4.5	5.3	6.1	6.1	4.5
70°	4.5	4.5	4.5	4.5	5.3	5.3	5.3	4.5
72.5°	4.5	4.5	4.5	4.5	4.5	5.3	4.5	3.4
75°	4.5	4.5	5.3	5.3	4.5	4.5	3.4	3.4
77.5°	4.5	4.5	5.3	5.3	4.5	4.5	3.4	2.6
80°	4.5	4.5	5.3	5.3	4.5	3.4	2.6	2.6
82.5°	4.5	4.5	5.3	5.3	4.5	3.4	2.6	1.8
85°	4.5	4.5	5.3	5.3	4.5	3.4	1.8	1.8
87.5°	4.5	4.5	5.3	5.3	4.5	2.6	1.8	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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Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

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

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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°	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	4.5	4.5
62°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.6	2.6	2.6

Classified

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report





61°	4.5	4.5	3.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
62°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.6	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5
62°	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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

Scaled Data Report



61°	4.5	4.5	4.5	4.5	6.1	7.9	8.7	6.1
62°	4.5	4.5	4.5	4.5	6.1	7.9	7.9	6.1

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)