

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: P1219613

Luminaire Tested: **LDSQA6A35950D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219613
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: LDSQA6A35950D010TE 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

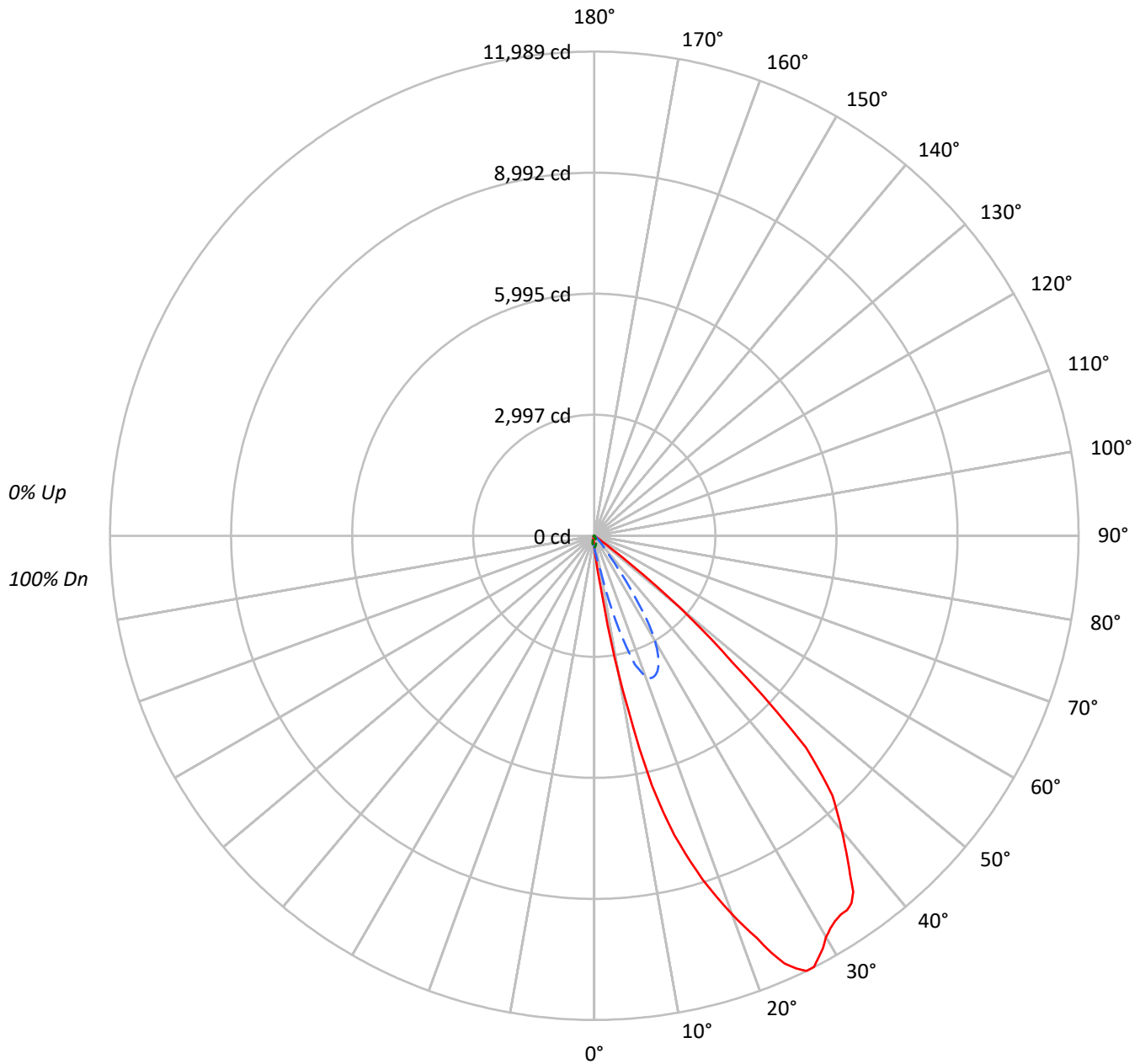
Lumens per Lamp: N/A
Luminaire Lumens: 3583.8 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 47.7
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°	12249	12249	12249
5°	30025	11682	6453
10°	152171	9688	4713
15°	342319	7341	3753
20°	457194	5164	3148
25°	561733	3601	2755
30°	570466	2476	2536
35°	583666	1551	2239
40°	535984	933	2063
45°	451371	652	1881
50°	184624	549	1668
55°	8993	533	1246
60°	517	517	827
65°	112	611	723
70°	138	755	755
75°	0	1181	782
80°	0	1760	868
85°	0	3507	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	1.2
10°-20°	473.7	13.2
20°-30°	1091.0	30.4
30°-40°	1199.6	33.5
40°-50°	703.7	19.6
50°-60°	57.4	1.6
60°-70°	5.9	0.2
70°-80°	5.0	0.1
80°-90°	3.9	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°	1608.4	44.9
0°-40°	2808.0	78.4
0°-60°	3569.1	99.6
0°-90°	3583.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3583.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	695	479	270	167	149	146
15°	7680	2511	165	90	84	2168
25°	11824	3699	76	52	58	5298
35°	11104	1331	30	32	43	6764
45°	7413	148	11	20	31	5133
55°	120	7	7	13	17	478
65°	1	4	6	8	7	2
75°	0	4	7	6	5	0
85°	0	4	7	5	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°	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5
2.5°	438.6	429.1	426.8	425.5	418.4	421.9	424.4	418.4	418.4	418.4	405.5
5°	694.7	668.7	665.1	659.2	641.4	641.4	643.8	628.3	622.4	601.1	582.0
7.5°	1425.0	1326.5	1372.7	1346.7	1274.4	1250.7	1246.0	1180.7	1140.5	1060.0	986.3
10°	3480.6	3260.1	3327.7	3256.6	3088.3	2981.6	2981.6	2799.1	2662.7	2423.1	2181.3
11°	4348.4	4210.9	4279.6	4196.6	3998.8	3867.1	3863.6	3648.9	3481.7	3186.7	2885.5
12°	5388.1	5177.0	5133.2	5153.4	4931.8	4781.1	4763.3	4527.4	4338.9	3997.4	3653.7
13°	6341.2	6198.9	6049.6	6059.1	5826.8	5672.7	5634.7	5386.9	5187.7	4818.0	4437.4
14°	7049.0	6969.7	6840.3	6826.0	6616.2	6461.0	6414.8	6162.2	5953.5	5581.4	5181.9
15°	7679.7	7605.0	7482.9	7451.0	7249.3	7091.7	7038.3	6775.2	6561.8	6210.9	5824.3
17.5°	8930.4	8881.7	8834.4	8706.3	8553.4	8323.4	8248.8	7942.9	7665.4	7349.0	6926.9
20°	9978.3	9913.2	9813.5	9709.3	9516.1	9267.1	9214.9	8846.1	8555.8	8240.3	7747.3
21°	10361.3	10297.4	10190.6	10070.8	9851.6	9588.4	9516.1	9127.1	8821.3	8494.2	7992.7
22°	10744.1	10683.7	10574.7	10422.9	10179.9	9884.7	9776.9	9366.8	9044.2	8683.8	8179.9
23°	11218.4	11076.2	10957.5	10771.5	10485.8	10151.4	10005.6	9563.5	9224.5	8848.5	8335.3
24°	11594.2	11449.6	11310.8	11084.5	10761.9	10391.0	10204.8	9734.2	9388.1	8981.3	8463.3
25°	11824.3	11749.6	11603.8	11346.4	10996.6	10591.3	10373.2	9874.1	9495.9	9092.8	8568.9
26°	11989.0	11910.8	11785.2	11516.0	11181.7	10769.1	10503.6	9991.4	9600.1	9165.1	8638.8
27°	11983.1	11935.7	11830.1	11593.1	11312.1	10892.4	10612.6	10069.7	9654.6	9201.8	8666.0
28°	11824.3	11824.3	11776.8	11584.7	11342.9	10946.9	10651.7	10083.9	9660.7	9193.6	8648.2
29°	11679.6	11642.9	11652.3	11501.8	11295.4	10909.1	10623.2	10042.3	9616.9	9140.2	8594.9
30°	11474.4	11463.7	11505.3	11384.4	11213.7	10828.4	10532.1	9955.8	9530.4	9052.5	8509.6
31°	11346.4	11317.9	11358.4	11257.5	11070.3	10675.5	10393.3	9831.3	9416.6	8939.9	8405.3
32°	11250.3	11216.1	11263.4	11133.0	10929.2	10539.2	10238.0	9695.1	9268.3	8815.5	8272.4
33°	11192.3	11181.7	11199.4	11022.9	10760.8	10354.2	10081.4	9549.3	9126.0	8675.6	8126.6
34°	11181.7	11159.2	11128.3	10874.7	10591.3	10178.8	9905.0	9386.7	8973.0	8510.6	7948.9
35°	11104.5	11054.9	10984.9	10669.5	10351.7	9957.0	9698.6	9199.5	8781.0	8314.0	7728.3
36°	10905.5	10821.3	10745.5	10417.0	10087.5	9718.7	9475.6	8987.3	8570.0	8087.5	7475.8
37°	10522.5	10494.0	10401.6	10121.9	9820.7	9466.3	9231.6	8765.6	8334.1	7828.0	7193.7
38°	10190.6	10159.8	10074.4	9821.9	9548.1	9207.8	8974.2	8480.0	8068.5	7536.3	6885.4
39°	9853.8	9826.6	9761.3	9486.4	9248.1	8928.0	8694.5	8200.1	7779.3	7212.6	6545.0
40°	9536.2	9509.0	9449.6	9177.0	8941.1	8636.5	8399.2	7895.6	7499.4	6860.5	6155.1
42.5°	8726.5	8634.1	8558.3	8296.2	8085.2	7768.6	7512.5	6994.5	6439.7	5762.7	5054.9
45°	7412.9	7298.0	7207.9	7039.4	6809.6	6565.3	6219.2	5659.6	5085.8	4431.4	3467.5
47.5°	4628.1	4467.0	4363.8	4171.8	3913.4	3746.3	3654.9	3359.7	2968.5	2679.2	1946.5
50°	2756.3	2637.9	2551.1	2272.6	2075.8	1831.5	1599.2	1170.0	939.0	710.0	588.0
51°	1982.0	1884.9	1834.0	1603.9	1454.5	1280.2	1116.9	814.5	655.6	495.6	409.0
52°	1147.5	1072.9	1070.6	922.4	864.3	793.2	678.1	537.1	458.8	359.2	307.0
53°	533.5	489.5	498.0	429.1	406.6	397.1	393.5	313.0	305.9	267.9	226.5
54°	239.4	219.4	205.2	198.0	192.1	194.5	199.2	180.2	173.2	168.3	154.0
55°	119.8	109.1	103.2	109.1	97.1	98.5	102.0	95.0	92.5	92.5	90.1
57.5°	26.0	24.9	24.9	26.0	24.9	24.9	26.0	26.0	26.0	24.9	24.9
60°	6.0	6.0	6.0	6.0	7.1	7.1	7.1	7.1	8.2	9.6	9.6



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4	2.4
64°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4
66°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4	2.4
75°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.4
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.4
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.4
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	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

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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°	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5
2.5°	404.1	394.8	395.9	388.9	384.2	380.5	384.2	373.5	371.1	360.4	354.5
5°	577.3	554.8	547.8	531.1	512.2	502.6	499.1	478.8	468.2	448.1	436.2
7.5°	954.3	883.2	841.7	793.2	733.8	704.3	666.2	629.5	589.2	551.3	525.1
10°	2075.8	1849.3	1679.9	1505.6	1269.6	1151.1	999.4	887.8	776.5	688.7	634.2
11°	2750.4	2462.2	2233.5	1991.6	1678.7	1509.2	1287.4	1104.9	911.7	777.6	690.0
12°	3480.6	3135.6	2853.4	2538.2	2155.2	1927.6	1650.2	1408.3	1139.3	933.0	782.5
13°	4216.9	3821.0	3494.8	3113.1	2678.1	2385.3	2058.1	1759.3	1422.5	1159.3	941.2
14°	4929.4	4494.3	4132.6	3689.3	3217.4	2864.2	2492.0	2133.9	1736.8	1416.7	1142.9
15°	5566.0	5105.9	4727.7	4248.9	3753.4	3344.3	2927.1	2510.9	2097.2	1689.3	1363.3
17.5°	6661.3	6177.6	5805.5	5301.5	4812.0	4346.1	3868.3	3327.7	2816.8	2310.6	1925.1
20°	7490.1	6906.7	6461.0	5864.6	5306.4	4781.1	4276.1	3724.9	3219.8	2673.4	2234.6
21°	7701.0	7096.3	6641.1	6043.8	5441.5	4886.6	4355.6	3777.0	3253.0	2701.7	2265.5
22°	7880.0	7273.1	6785.8	6158.7	5543.4	4956.6	4404.1	3796.0	3250.7	2681.6	2243.1
23°	8016.4	7398.7	6903.2	6259.4	5623.0	5007.6	4426.8	3787.6	3222.2	2640.0	2190.8
24°	8145.6	7513.7	6996.8	6322.3	5669.1	5015.8	4414.7	3754.5	3174.7	2577.3	2120.8
25°	8228.6	7590.8	7047.9	6353.2	5671.4	4993.4	4375.6	3698.7	3102.4	2492.0	2029.7
26°	8287.9	7627.5	7065.7	6342.5	5652.5	4948.2	4314.0	3615.8	3002.9	2386.4	1924.0
27°	8297.2	7625.2	7043.0	6305.6	5589.6	4862.9	4214.4	3499.5	2874.9	2264.4	1809.1
28°	8261.7	7581.2	6986.1	6234.5	5502.0	4749.1	4085.2	3359.7	2732.6	2129.2	1682.2
29°	8198.9	7507.9	6889.0	6118.4	5364.4	4596.2	3929.8	3197.4	2572.5	1976.3	1542.3
30°	8099.4	7401.2	6764.5	5982.0	5206.8	4423.1	3749.8	3007.6	2376.9	1788.9	1359.8
31°	7979.6	7263.6	6596.2	5794.8	5008.7	4219.1	3541.1	2755.1	2125.7	1553.0	1141.7
32°	7824.4	7089.3	6403.0	5587.4	4787.1	3985.7	3255.4	2432.7	1826.9	1279.1	905.6
33°	7652.3	6896.0	6172.9	5319.3	4540.5	3672.7	2880.8	2067.4	1493.6	989.9	666.2
34°	7440.3	6664.8	5928.6	5046.7	4224.0	3266.1	2399.5	1674.0	1149.9	707.8	452.8
35°	7194.8	6398.1	5632.3	4725.4	3798.3	2797.7	1951.4	1331.4	822.7	471.7	329.7
36°	6909.1	6108.9	5318.1	4309.3	3313.4	2308.2	1518.6	975.7	563.1	359.2	283.4
37°	6600.9	5785.2	4897.4	3875.5	2793.0	1825.7	1129.8	686.5	425.5	319.0	245.4
38°	6254.8	5440.2	4420.7	3337.3	2270.2	1379.9	807.4	512.2	366.4	277.5	209.9
39°	5871.7	5014.7	3875.5	2770.6	1766.4	994.6	615.4	420.8	316.6	239.4	181.4
40°	5447.3	4414.7	3281.4	2211.0	1313.6	717.2	501.5	363.9	276.3	205.2	154.0
42.5°	4034.4	2928.2	1805.5	1043.2	620.0	446.9	333.2	256.0	181.4	123.3	79.4
45°	2424.4	1495.0	791.9	541.7	392.4	299.9	214.6	148.3	86.5	53.4	36.7
47.5°	1083.5	624.7	443.2	349.6	253.7	179.0	104.3	62.9	39.1	27.4	20.2
50°	421.9	342.6	264.4	201.7	122.1	71.1	45.1	29.5	20.2	14.2	9.6
51°	326.1	265.6	206.3	148.3	81.8	49.8	33.2	22.5	15.4	10.7	7.1
52°	250.1	203.8	155.4	99.6	55.7	38.0	26.0	16.6	11.8	7.1	6.0
53°	183.9	156.5	107.8	70.0	40.2	28.5	20.2	13.1	8.2	6.0	4.7
54°	126.9	107.8	68.7	43.8	29.5	21.3	14.2	9.6	6.0	4.7	4.7
55°	77.2	67.6	45.1	32.0	21.3	15.4	10.7	7.1	4.7	3.5	3.5
57.5°	23.8	21.3	17.8	14.2	9.6	7.1	4.7	3.5	3.5	3.5	3.5
60°	8.2	8.2	7.1	6.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5



TEST NUMBER: P1219613

CATALOG NUMBER: LDSQA6A35950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
64°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	4.7
65°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	4.7
66°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	4.7
67.5°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	4.7
70°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	4.7	4.7
72.5°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	4.7	4.7
75°	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
77.5°	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
80°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	4.7	4.7	4.7
82.5°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	4.7	4.7	4.7
85°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	4.7	4.7	4.7
87.5°	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
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: P1219613

CATALOG NUMBER: LDSQA6A35950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5
2.5°	349.6	343.9	339.0	334.4	328.3	324.8	321.3	314.1	310.5	302.3	296.3
5°	423.3	410.2	397.1	384.2	372.3	362.8	353.3	340.3	330.8	316.6	304.7
7.5°	496.6	470.6	446.9	426.8	405.5	389.9	372.3	353.3	336.8	317.7	299.9
10°	579.8	531.1	490.9	455.3	424.4	399.5	375.9	349.6	329.7	304.7	284.5
11°	615.4	557.1	507.3	464.7	429.1	400.6	373.5	345.0	322.5	297.6	275.0
12°	667.4	582.0	524.0	474.1	431.5	399.5	369.9	339.0	315.4	289.2	266.8
13°	755.1	627.1	540.6	480.2	435.0	397.1	363.9	330.8	305.9	278.5	255.0
14°	901.0	706.5	574.9	490.9	435.0	394.8	356.8	321.3	294.1	266.8	242.9
15°	1078.8	835.8	641.4	513.3	433.9	389.9	349.6	311.9	282.2	253.7	227.7
17.5°	1534.1	1209.1	925.9	680.5	498.0	381.7	323.6	279.9	247.8	215.8	192.1
20°	1806.7	1436.8	1119.0	835.8	601.1	418.4	301.2	244.3	209.9	181.4	158.9
21°	1840.0	1466.5	1140.5	854.8	612.9	423.3	294.1	228.8	194.5	166.1	145.8
22°	1829.4	1458.1	1131.1	844.1	601.1	412.6	281.0	214.6	180.2	153.0	132.7
23°	1777.0	1411.9	1086.0	801.4	569.1	387.7	262.1	199.2	166.1	139.9	121.0
24°	1701.2	1334.9	1017.2	738.5	512.2	343.9	234.7	182.5	151.8	128.0	112.7
25°	1611.1	1247.2	930.6	667.4	444.6	295.3	206.3	166.1	137.6	116.3	103.2
26°	1510.3	1152.2	840.5	586.9	373.5	247.8	182.5	150.5	123.3	104.3	93.6
27°	1402.5	1049.3	745.6	499.1	310.5	211.0	164.7	134.1	111.4	96.0	85.4
28°	1287.4	946.1	642.5	416.1	257.2	184.9	148.3	119.8	99.6	86.5	78.2
29°	1158.2	825.1	542.9	340.3	212.3	163.6	131.6	106.7	90.1	79.4	72.3
30°	995.9	688.7	435.0	273.8	182.5	145.8	117.4	96.0	81.8	73.5	66.5
31°	811.0	535.8	330.8	216.9	158.9	129.2	104.3	86.5	74.7	67.6	60.4
32°	612.9	389.9	246.6	180.2	139.9	113.8	92.5	78.2	68.7	60.4	55.7
33°	431.5	278.5	199.2	156.5	122.1	99.6	82.9	71.1	62.9	54.5	49.8
34°	296.3	224.1	173.2	135.2	106.7	88.9	74.7	64.1	55.7	48.7	43.8
35°	250.1	195.6	149.3	116.3	92.5	78.2	66.5	56.9	48.7	42.6	38.0
36°	215.8	169.6	128.0	102.0	80.7	67.6	58.0	48.7	41.6	35.6	33.2
37°	186.1	145.8	110.2	87.8	68.7	56.9	47.3	40.2	35.6	30.9	28.5
38°	161.2	123.3	93.6	74.7	56.9	46.3	39.1	33.2	29.5	26.0	23.8
39°	137.6	103.2	75.8	59.4	45.1	38.0	32.0	28.5	24.9	22.5	20.2
40°	113.8	81.8	58.0	46.3	35.6	30.9	26.0	23.8	20.2	18.9	17.8
42.5°	53.4	39.1	30.9	26.0	21.3	18.9	16.6	14.2	13.1	11.8	11.8
45°	27.4	22.5	16.6	14.2	11.8	10.7	9.6	8.2	8.2	8.2	8.2
47.5°	14.2	10.7	8.2	7.1	6.0	6.0	6.0	6.0	6.0	6.0	6.0
50°	7.1	4.7	4.7	4.7	3.5	4.7	4.7	4.7	4.7	6.0	6.0
51°	4.7	4.7	3.5	3.5	3.5	4.7	4.7	4.7	4.7	6.0	6.0
52°	4.7	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	6.0	6.0
53°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	6.0	6.0
54°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	6.0	6.0
55°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	6.0
57.5°	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7	6.0
60°	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7	4.7	6.0



TEST NUMBER: P1219613

CATALOG NUMBER: LDSQA6A35950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0
64°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0
65°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0
66°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0	6.0
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0	6.0
70°	4.7	4.7	4.7	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0
72.5°	4.7	4.7	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0
75°	4.7	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0
77.5°	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
80°	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
82.5°	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
85°	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	4.7	4.7	4.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
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: P1219613

CATALOG NUMBER: LDSQA6A35950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	284.5	284.5	284.5	284.5	284.5	284.5	284.5	284.5
2.5°	296.3	285.7	286.9	281.0	234.7	209.9	196.8	187.4
5°	298.8	283.4	279.9	270.3	195.6	167.1	155.4	149.3
7.5°	290.6	270.3	263.2	250.1	166.1	139.9	130.5	125.6
10°	271.4	249.0	237.2	221.6	142.3	121.0	111.4	107.8
11°	262.1	238.3	226.5	211.0	134.1	113.8	105.6	102.0
12°	251.4	226.5	215.8	199.2	125.6	106.7	99.6	96.0
13°	239.4	214.6	203.8	188.6	117.4	100.7	95.0	91.3
14°	225.2	202.7	192.1	177.8	110.2	95.0	90.1	87.8
15°	212.3	190.9	179.0	164.7	104.3	90.1	86.5	84.2
17.5°	177.8	158.9	149.3	137.6	87.8	77.2	77.2	75.8
20°	145.8	129.2	122.1	112.7	73.5	67.6	68.7	68.7
21°	134.1	119.8	112.7	104.3	70.0	64.1	66.5	66.5
22°	122.1	109.1	104.3	96.0	65.1	60.4	64.1	64.1
23°	112.7	99.6	96.0	88.9	60.4	58.0	61.6	61.6
24°	103.2	92.5	87.8	81.8	56.9	54.5	59.4	60.4
25°	95.0	84.2	80.7	75.8	53.4	52.2	56.9	58.0
26°	86.5	77.2	74.7	70.0	49.8	49.8	54.5	56.9
27°	79.4	72.3	68.7	64.1	46.3	47.3	53.4	54.5
28°	73.5	66.5	62.9	59.4	42.6	45.1	51.0	53.4
29°	67.6	60.4	58.0	54.5	40.2	42.6	48.7	52.2
30°	61.6	55.7	53.4	49.8	38.0	40.2	47.3	51.0
31°	56.9	51.0	48.7	45.1	35.6	39.1	45.1	48.7
32°	51.0	46.3	43.8	41.6	33.2	36.7	43.8	47.3
33°	46.3	40.2	39.1	36.7	32.0	35.6	42.6	45.1
34°	40.2	35.6	34.4	33.2	29.5	33.2	40.2	43.8
35°	34.4	32.0	30.9	29.5	27.4	32.0	39.1	42.6
36°	30.9	27.4	27.4	26.0	26.0	30.9	38.0	41.6
37°	26.0	24.9	23.8	23.8	23.8	28.5	35.6	40.2
38°	22.5	21.3	21.3	21.3	22.5	27.4	34.4	39.1
39°	18.9	18.9	18.9	18.9	21.3	26.0	33.2	38.0
40°	16.6	16.6	16.6	16.6	20.2	24.9	32.0	36.7
42.5°	11.8	11.8	11.8	13.1	16.6	22.5	28.5	34.4
45°	9.6	9.6	9.6	10.7	15.4	20.2	26.0	30.9
47.5°	7.1	7.1	8.2	9.6	13.1	17.8	23.8	28.5
50°	6.0	7.1	7.1	8.2	11.8	16.6	20.2	24.9
51°	6.0	6.0	7.1	7.1	10.7	15.4	18.9	23.8
52°	6.0	6.0	7.1	7.1	10.7	14.2	18.9	21.3
53°	6.0	6.0	7.1	7.1	10.7	14.2	17.8	20.2
54°	6.0	6.0	7.1	7.1	9.6	13.1	16.6	18.9
55°	6.0	6.0	7.1	7.1	9.6	13.1	16.6	16.6
57.5°	6.0	6.0	6.0	7.1	8.2	11.8	14.2	14.2
60°	6.0	6.0	6.0	6.0	8.2	10.7	13.1	9.6



TEST NUMBER: P1219613

CATALOG NUMBER: LDSQA6A35950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	6.0	6.0	6.0	6.0	7.1	9.6	10.7	7.1
64°	6.0	6.0	6.0	7.1	7.1	9.6	9.6	7.1
65°	6.0	6.0	6.0	6.0	7.1	8.2	9.6	7.1
66°	6.0	6.0	6.0	6.0	7.1	8.2	8.2	7.1
67.5°	6.0	6.0	6.0	6.0	7.1	8.2	8.2	6.0
70°	6.0	6.0	6.0	6.0	7.1	7.1	7.1	6.0
72.5°	6.0	6.0	6.0	6.0	6.0	7.1	6.0	4.7
75°	6.0	6.0	7.1	7.1	6.0	6.0	4.7	4.7
77.5°	6.0	6.0	7.1	7.1	6.0	6.0	4.7	3.5
80°	6.0	6.0	7.1	7.1	6.0	4.7	3.5	3.5
82.5°	6.0	6.0	7.1	7.1	6.0	4.7	3.5	2.4
85°	6.0	6.0	7.1	7.1	6.0	4.7	2.4	2.4
87.5°	6.0	6.0	7.1	7.1	6.0	3.5	2.4	1.1
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

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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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Peachtree City, GA 30269

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Scaled Data Report





61°	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	6.0	6.0
62°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5

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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	6.0	6.0	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
62°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.5	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0
62°	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	6.0

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1121 Highway 74 South

Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled Data Report



61°	6.0	6.0	6.0	6.0	8.2	10.7	11.8	8.2
62°	6.0	6.0	6.0	6.0	8.2	10.7	10.7	8.2

Classified

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)