

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: P1212518

Luminaire Tested: **LDSQA6A35927D010TE LAR35FL 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: P1212518
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: LDSQA6A35927D010TE 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 / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

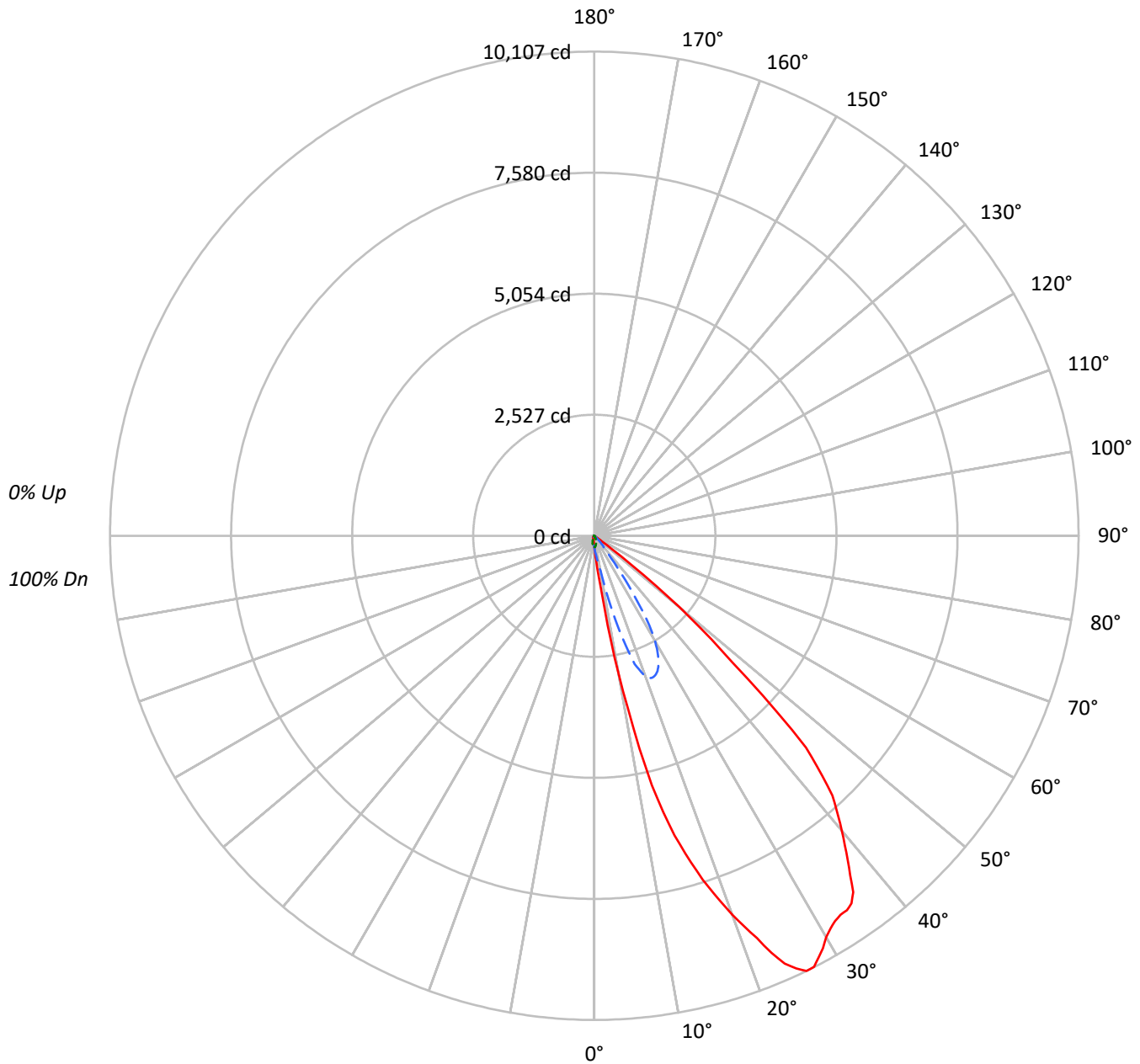
Lumens per Lamp: N/A
Luminaire Lumens: 3021.3 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	112	109	106	104	110	107	104	102		103	101	99			99	97	96			96
2	105	100	95	91	103	98	94	90		95	91	88			92	89	86			89
3	99	91	85	80	96	89	84	80		87	82	78			84	80	77			82
4	92	83	76	71	90	82	76	71		79	74	70			77	73	69			75
5	86	76	69	64	84	75	68	63		73	67	63			71	66	62			69
6	80	69	62	57	78	68	62	57		67	61	56			65	60	56			64
7	75	64	56	51	73	63	56	51		61	55	51			60	54	50			59
8	70	58	51	46	68	58	51	46		56	50	46			55	50	46			54
9	65	54	47	42	64	53	46	42		52	46	41			51	45	41			50
10	61	49	42	38	60	49	42	38		48	42	38			47	42	37			46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	10329	10329	10329
5°	25314	9850	5446
10°	128292	8167	3974
15°	288593	6196	3160
20°	385442	4348	2657
25°	473565	3036	2328
30°	480937	2083	2138
35°	492057	1314	1892
40°	451861	787	1742
45°	380525	548	1577
50°	155641	469	1413
55°	7582	443	1051
60°	431	431	680
65°	112	509	601
70°	138	629	629
75°	0	981	665
80°	0	1463	769
85°	0	2915	988

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.2
10°-20°	399.3	13.2
20°-30°	919.7	30.4
30°-40°	1011.3	33.5
40°-50°	593.2	19.6
50°-60°	48.4	1.6
60°-70°	4.9	0.2
70°-80°	4.2	0.1
80°-90°	3.3	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°	1355.9	44.9
0°-40°	2367.3	78.4
0°-60°	3008.9	99.6
0°-90°	3021.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3021.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	240	240	240	240	240	
5°	586	404	228	141	126	123
15°	6474	2117	139	76	71	1827
25°	9968	3118	64	44	49	4467
35°	9362	1122	25	27	36	5703
45°	6249	125	9	17	26	4328
55°	101	6	6	11	14	403
65°	1	3	5	7	6	2
75°	0	3	6	5	4	0
85°	0	3	6	4	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°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	369.7	361.8	359.8	358.7	352.8	355.9	357.8	352.8	352.8	352.8	341.8
5°	585.7	563.8	560.7	555.7	540.7	540.7	542.7	529.7	524.7	506.7	490.7
7.5°	1201.3	1118.3	1157.4	1135.4	1074.4	1054.4	1050.5	995.4	961.4	893.5	831.6
10°	2934.4	2748.4	2805.5	2745.4	2603.5	2513.5	2513.5	2359.6	2244.8	2042.8	1838.9
11°	3665.9	3550.0	3607.9	3538.1	3371.0	3260.2	3257.1	3076.2	2935.3	2686.5	2432.7
12°	4542.5	4364.5	4327.6	4344.5	4157.6	4030.7	4015.8	3816.9	3658.0	3370.1	3080.3
13°	5346.0	5226.1	5100.1	5108.0	4912.2	4782.2	4750.4	4541.4	4373.5	4061.7	3740.9
14°	5942.7	5875.7	5766.7	5754.8	5577.8	5447.0	5407.9	5195.0	5019.1	4705.4	4368.6
15°	6474.4	6411.4	6308.5	6281.5	6111.5	5978.7	5933.7	5711.8	5531.9	5236.0	4910.2
17.5°	7528.7	7487.8	7447.9	7339.9	7211.0	7016.9	6954.1	6696.2	6462.4	6195.4	5839.7
20°	8412.3	8357.2	8273.3	8185.3	8022.4	7812.5	7768.6	7457.8	7213.0	6947.1	6531.3
21°	8735.0	8681.0	8591.2	8490.2	8305.4	8083.4	8022.4	7694.6	7436.9	7160.9	6738.1
22°	9058.0	9006.8	8915.0	8787.1	8582.2	8333.3	8242.4	7896.6	7624.6	7320.8	6896.2
23°	9457.6	9337.7	9237.8	9080.8	8840.0	8558.1	8435.2	8062.4	7776.5	7459.7	7027.0
24°	9774.5	9652.5	9535.7	9344.7	9072.9	8760.1	8603.1	8206.4	7914.6	7571.7	7135.0
25°	9968.4	9905.4	9782.5	9565.6	9270.7	8928.9	8745.1	8324.3	8005.5	7665.7	7223.9
26°	10107.4	10041.3	9935.5	9708.5	9426.6	9078.8	8854.9	8423.3	8093.3	7726.7	7282.8
27°	10102.3	10062.4	9973.4	9773.5	9536.6	9182.9	8946.9	8489.2	8139.4	7757.6	7305.8
28°	9968.4	9968.4	9928.4	9766.4	9562.5	9228.8	8979.8	8501.2	8144.5	7750.6	7290.9
29°	9846.4	9815.4	9823.5	9696.6	9522.5	9196.7	8955.9	8466.1	8107.4	7705.6	7245.9
30°	9673.6	9664.6	9699.5	9597.6	9453.6	9128.9	8879.0	8393.2	8034.5	7631.6	7173.9
31°	9565.6	9541.6	9575.6	9490.7	9332.6	8999.8	8762.0	8288.3	7938.5	7536.8	7086.1
32°	9484.6	9455.6	9495.5	9385.7	9213.8	8885.0	8631.2	8173.4	7813.6	7431.8	6974.1
33°	9435.6	9426.6	9441.7	9292.7	9071.8	8729.1	8499.2	8050.5	7693.6	7313.9	6851.2
34°	9426.6	9407.7	9381.8	9167.8	8928.9	8581.1	8350.2	7913.5	7564.7	7175.0	6701.2
35°	9361.6	9319.7	9260.8	8995.0	8727.1	8394.3	8176.3	7755.7	7402.9	7009.0	6515.3
36°	9193.9	9122.8	9058.9	8782.0	8504.1	8193.4	7988.4	7576.7	7224.8	6818.2	6302.5
37°	8870.9	8847.0	8769.1	8533.3	8279.3	7980.5	7782.7	7389.9	7025.9	6599.3	6064.6
38°	8591.2	8565.1	8493.1	8280.4	8049.4	7762.7	7565.8	7148.9	6802.2	6353.5	5804.6
39°	8307.4	8284.3	8229.4	7997.4	7796.5	7526.7	7329.8	6913.1	6558.3	6080.6	5517.9
40°	8039.5	8016.5	7966.4	7736.6	7537.7	7280.8	7081.0	6656.2	6322.5	5783.8	5189.0
42.5°	7356.8	7278.8	7214.9	6994.1	6816.1	6549.3	6333.5	5896.6	5429.0	4858.2	4261.5
45°	6249.4	6152.6	6076.6	5934.6	5740.7	5534.8	5243.0	4771.3	4287.6	3735.9	2923.4
47.5°	3901.9	3765.8	3678.8	3517.0	3299.2	3158.3	3081.2	2832.5	2502.5	2258.6	1641.1
50°	2323.6	2223.7	2150.8	1915.9	1750.0	1544.0	1348.2	986.4	791.6	598.7	495.7
51°	1671.1	1589.0	1546.2	1352.2	1226.3	1079.5	941.4	686.7	552.6	417.8	344.9
52°	967.5	904.5	902.5	777.6	728.6	668.7	571.7	452.7	386.8	302.8	258.8
53°	449.8	412.7	419.8	361.8	342.7	334.8	331.7	263.9	257.9	225.9	191.0
54°	202.0	184.9	173.0	166.9	161.8	164.0	167.9	151.9	146.0	141.8	130.0
55°	101.0	92.0	86.9	92.0	81.9	83.0	86.0	79.9	77.9	77.9	76.0
57.5°	22.0	21.1	21.1	22.0	21.1	21.1	22.0	22.0	22.0	21.1	21.1
60°	5.0	5.0	5.0	5.0	5.9	5.9	5.9	5.9	7.0	7.9	7.9



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0	2.0
64°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0
66°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.0	2.0
75°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.0
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.0
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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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	340.7	332.8	333.9	327.8	323.8	320.8	323.8	314.8	312.8	303.8	298.8
5°	486.7	467.8	461.7	447.7	431.8	423.7	420.8	403.7	394.7	377.8	367.7
7.5°	804.6	744.7	709.6	668.7	618.7	593.6	561.6	530.6	496.8	464.8	442.8
10°	1750.0	1559.2	1416.2	1269.4	1070.5	970.4	842.6	748.6	654.7	580.7	534.8
11°	2318.8	2075.8	1883.0	1679.0	1415.2	1272.2	1085.4	931.5	768.6	655.6	581.8
12°	2934.4	2643.5	2405.7	2139.8	1816.9	1625.0	1391.2	1187.3	960.5	786.6	659.7
13°	3555.0	3221.1	2946.4	2624.6	2257.7	2010.8	1735.0	1483.2	1199.3	977.4	793.6
14°	4155.7	3788.8	3484.1	3110.2	2712.4	2414.7	2100.8	1798.9	1464.1	1194.3	963.5
15°	4692.4	4304.5	3985.7	3582.0	3164.2	2819.3	2467.6	2116.8	1768.0	1424.2	1149.3
17.5°	5615.8	5208.1	4894.2	4469.4	4056.7	3663.9	3261.2	2805.5	2374.7	1948.0	1623.1
20°	6314.4	5822.6	5447.0	4944.2	4473.5	4030.7	3605.0	3140.3	2714.4	2253.8	1883.9
21°	6492.2	5982.7	5598.9	5095.1	4587.5	4119.7	3672.0	3184.2	2742.5	2277.7	1910.0
22°	6643.3	6131.5	5720.8	5192.1	4673.3	4178.7	3712.9	3200.2	2740.5	2260.8	1890.9
23°	6758.1	6237.5	5819.8	5277.1	4740.3	4221.5	3731.9	3193.2	2716.4	2225.7	1847.0
24°	6867.2	6334.4	5898.6	5330.0	4779.4	4228.6	3721.9	3165.1	2676.4	2172.8	1787.9
25°	6937.0	6399.4	5941.6	5355.9	4781.3	4209.7	3688.9	3118.3	2615.6	2100.8	1711.1
26°	6987.1	6430.3	5956.6	5346.9	4765.3	4171.7	3636.9	3048.3	2531.5	2011.9	1622.2
27°	6995.0	6428.3	5937.7	5315.9	4712.4	4099.7	3553.0	2950.4	2423.7	1908.9	1525.1
28°	6965.1	6391.4	5889.6	5256.0	4638.4	4003.7	3444.1	2832.5	2303.6	1795.0	1418.2
29°	6912.0	6329.3	5807.7	5158.1	4522.5	3874.9	3313.1	2695.5	2168.8	1666.1	1300.3
30°	6828.1	6239.5	5702.8	5043.1	4389.5	3728.9	3161.2	2535.5	2003.9	1508.2	1146.4
31°	6727.1	6123.6	5560.9	4885.2	4222.6	3557.0	2985.3	2322.7	1791.9	1309.3	962.5
32°	6596.3	5976.5	5398.0	4710.4	4035.8	3360.1	2744.5	2050.9	1540.1	1078.4	763.6
33°	6451.4	5813.6	5204.0	4484.5	3827.9	3096.2	2428.6	1742.9	1259.3	834.5	561.6
34°	6272.5	5618.9	4998.2	4254.7	3560.9	2753.5	2022.8	1411.2	969.5	596.7	381.8
35°	6065.6	5393.9	4748.4	3983.8	3202.2	2358.7	1645.0	1122.3	693.5	397.8	277.9
36°	5824.6	5150.2	4483.4	3632.9	2793.4	1946.0	1280.3	822.6	474.7	302.8	238.9
37°	5564.9	4877.3	4128.7	3267.2	2354.6	1539.2	952.4	578.7	358.7	268.9	206.8
38°	5273.1	4586.4	3726.9	2813.4	1913.9	1163.3	680.6	431.8	308.9	233.8	176.9
39°	4950.2	4227.7	3267.2	2335.7	1489.1	838.4	518.8	354.8	266.8	202.0	153.0
40°	4592.3	3721.9	2766.4	1863.9	1107.4	604.6	422.8	306.9	232.9	173.0	130.0
42.5°	3401.1	2468.5	1522.1	879.5	522.7	376.7	280.8	215.8	153.0	103.9	67.0
45°	2043.9	1260.4	667.6	456.7	330.8	252.9	180.9	124.9	72.9	45.0	31.0
47.5°	913.5	526.7	373.9	294.8	213.8	150.8	88.0	52.9	32.9	23.0	16.9
50°	355.9	288.9	222.8	169.9	103.0	59.9	38.0	25.0	16.9	12.1	7.9
51°	274.9	223.9	173.9	124.9	68.9	41.9	27.9	18.9	13.0	9.0	5.9
52°	211.0	171.9	130.9	83.9	47.0	32.0	22.0	14.0	10.1	5.9	5.0
53°	155.0	131.9	90.9	59.0	34.0	23.9	16.9	11.0	7.0	5.0	4.0
54°	106.9	90.9	58.0	36.9	25.0	18.0	12.1	7.9	5.0	4.0	4.0
55°	65.0	56.9	38.0	27.0	18.0	13.0	9.0	5.9	4.0	3.1	3.1
57.5°	20.0	18.0	14.9	12.1	7.9	5.9	4.0	3.1	3.1	3.1	3.1
60°	7.0	7.0	5.9	5.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1



TEST NUMBER: P1212518

CATALOG NUMBER: LDSQA6A35927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
64°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	4.0
65°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	4.0
66°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	4.0
67.5°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	3.1	4.0
70°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0
72.5°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0
75°	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0
77.5°	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0
80°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	4.0	4.0	4.0
82.5°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	4.0	4.0	4.0
85°	2.0	2.0	2.0	2.0	3.1	3.1	3.1	3.1	4.0	4.0	4.0
87.5°	2.0	2.0	2.0	3.1	3.1	3.1	3.1	3.1	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

TEST NUMBER: P1212518

CATALOG NUMBER: LDSQA6A35927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	294.8	289.8	285.8	281.9	276.8	273.8	270.9	264.8	261.9	254.9	249.8
5°	356.8	345.8	334.8	323.8	313.7	305.8	297.9	286.9	278.8	266.8	256.9
7.5°	418.7	396.7	376.7	359.8	341.8	328.9	313.7	297.9	283.9	267.8	252.9
10°	488.7	447.7	413.8	383.8	357.8	336.8	316.8	294.8	277.9	256.9	239.9
11°	518.8	469.8	427.7	391.9	361.8	337.9	314.8	290.9	271.8	250.9	231.8
12°	562.7	490.7	441.7	399.8	363.8	336.8	311.8	285.8	265.9	243.9	224.8
13°	636.7	528.7	455.8	404.8	366.8	334.8	306.9	278.8	257.9	234.9	214.9
14°	759.6	595.6	484.7	413.8	366.8	332.8	300.8	270.9	247.9	224.8	204.8
15°	909.5	704.5	540.7	432.7	365.8	328.9	294.8	262.8	237.8	213.8	191.9
17.5°	1293.3	1019.3	780.5	573.7	419.8	321.8	272.9	235.8	208.8	182.0	161.8
20°	1523.2	1211.4	943.4	704.5	506.7	352.8	253.8	205.9	176.9	153.0	133.9
21°	1551.1	1236.2	961.4	720.5	516.8	356.8	247.9	193.0	164.0	139.9	122.9
22°	1542.1	1229.2	953.5	711.5	506.7	347.8	236.9	180.9	151.9	128.9	112.0
23°	1498.1	1190.3	915.5	675.5	479.7	326.9	220.9	167.9	139.9	117.9	101.9
24°	1434.2	1125.4	857.5	622.6	431.8	289.8	197.8	153.9	128.0	108.0	94.9
25°	1358.3	1051.4	784.6	562.7	374.8	248.9	173.9	139.9	115.9	97.9	86.9
26°	1273.3	971.5	708.7	494.6	314.8	208.8	153.9	126.9	103.9	88.0	79.0
27°	1182.4	884.5	628.6	420.8	261.9	177.8	139.0	112.9	94.0	81.0	72.0
28°	1085.4	797.6	541.6	350.8	216.9	155.9	124.9	101.0	83.9	72.9	65.9
29°	976.5	695.5	457.7	286.9	178.9	137.9	110.9	90.0	76.0	67.0	61.0
30°	839.5	580.7	366.8	230.9	153.9	122.9	99.0	81.0	68.9	61.9	56.0
31°	683.6	451.8	278.8	182.9	133.9	108.9	88.0	72.9	63.0	56.9	50.9
32°	516.8	328.9	207.9	151.9	117.9	95.9	77.9	65.9	58.0	50.9	47.0
33°	363.8	234.9	167.9	131.9	103.0	83.9	70.0	59.9	52.9	45.9	41.9
34°	249.8	188.8	146.0	113.9	90.0	74.9	63.0	54.0	47.0	41.0	36.9
35°	211.0	164.9	126.0	97.9	77.9	65.9	56.0	48.1	41.0	36.0	32.0
36°	182.0	142.9	108.0	86.0	68.0	56.9	49.0	41.0	34.9	30.1	27.9
37°	157.0	122.9	92.9	74.0	58.0	48.1	40.0	34.0	30.1	25.9	23.9
38°	135.9	103.9	79.0	63.0	48.1	39.1	32.9	27.9	25.0	22.0	20.0
39°	115.9	86.9	63.9	50.0	38.0	32.0	27.0	23.9	21.1	18.9	16.9
40°	95.9	68.9	49.0	39.1	30.1	25.9	22.0	20.0	16.9	16.0	14.9
42.5°	45.0	32.9	25.9	22.0	18.0	16.0	14.0	12.1	11.0	10.1	10.1
45°	23.0	18.9	14.0	12.1	10.1	9.0	7.9	7.0	7.0	7.0	7.0
47.5°	12.1	9.0	7.0	5.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0
50°	5.9	4.0	4.0	4.0	3.1	4.0	4.0	4.0	4.0	5.0	5.0
51°	4.0	4.0	3.1	3.1	3.1	4.0	4.0	4.0	4.0	5.0	5.0
52°	4.0	3.1	3.1	3.1	3.1	4.0	4.0	4.0	4.0	5.0	5.0
53°	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0	5.0	5.0
54°	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0	5.0	5.0
55°	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0	4.0	5.0
57.5°	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0	4.0	4.0	5.0
60°	3.1	3.1	3.1	3.1	4.0	4.0	4.0	4.0	4.0	4.0	5.0



TEST NUMBER: P1212518

CATALOG NUMBER: LDSQA6A35927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
64°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
65°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
66°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0
67.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0
70°	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0
72.5°	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0
75°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
77.5°	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
80°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
82.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
85°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
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: P1212518

CATALOG NUMBER: LDSQA6A35927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
2.5°	249.8	240.8	241.9	236.9	197.8	176.9	166.0	157.9
5°	251.8	238.9	235.8	227.9	164.9	140.9	130.9	126.0
7.5°	244.8	227.9	221.9	211.0	139.9	117.9	110.0	106.0
10°	229.0	209.9	199.8	186.8	119.9	101.9	94.0	90.9
11°	220.9	200.9	191.0	177.8	112.9	95.9	88.9	86.0
12°	211.9	191.0	182.0	167.9	106.0	90.0	83.9	81.0
13°	202.0	180.9	171.9	158.9	99.0	85.0	79.9	77.0
14°	189.9	170.8	161.8	149.9	92.9	79.9	76.0	74.0
15°	178.9	160.9	150.8	139.0	88.0	76.0	72.9	70.9
17.5°	149.9	133.9	126.0	115.9	74.0	65.0	65.0	63.9
20°	122.9	108.9	103.0	94.9	61.9	56.9	58.0	58.0
21°	112.9	101.0	94.9	88.0	59.0	54.0	56.0	56.0
22°	103.0	92.0	88.0	81.0	54.9	50.9	54.0	54.0
23°	94.9	83.9	81.0	74.9	50.9	49.0	52.0	52.0
24°	86.9	77.9	74.0	68.9	48.1	45.9	50.0	50.9
25°	79.9	70.9	68.0	63.9	45.0	43.9	48.1	49.0
26°	72.9	65.0	63.0	59.0	41.9	41.9	45.9	48.1
27°	67.0	61.0	58.0	54.0	39.1	40.0	45.0	45.9
28°	61.9	56.0	52.9	50.0	36.0	38.0	43.0	45.0
29°	56.9	50.9	49.0	45.9	34.0	36.0	41.0	43.9
30°	52.0	47.0	45.0	41.9	32.0	34.0	40.0	43.0
31°	48.1	43.0	41.0	38.0	30.1	32.9	38.0	41.0
32°	43.0	39.1	36.9	34.9	27.9	31.0	36.9	40.0
33°	39.1	34.0	32.9	31.0	27.0	30.1	36.0	38.0
34°	34.0	30.1	29.0	27.9	25.0	27.9	34.0	36.9
35°	29.0	27.0	25.9	25.0	23.0	27.0	32.9	36.0
36°	25.9	23.0	23.0	22.0	22.0	25.9	32.0	34.9
37°	22.0	21.1	20.0	20.0	20.0	23.9	30.1	34.0
38°	18.9	18.0	18.0	18.0	18.9	23.0	29.0	32.9
39°	16.0	16.0	16.0	16.0	18.0	22.0	27.9	32.0
40°	14.0	14.0	14.0	14.0	16.9	21.1	27.0	31.0
42.5°	10.1	10.1	10.1	11.0	14.0	18.9	23.9	29.0
45°	7.9	7.9	7.9	9.0	13.0	16.9	22.0	25.9
47.5°	5.9	5.9	7.0	7.9	11.0	14.9	20.0	23.9
50°	5.0	5.9	5.9	7.0	10.1	14.0	16.9	21.1
51°	5.0	5.0	5.9	5.9	9.0	13.0	16.0	20.0
52°	5.0	5.0	5.9	5.9	9.0	12.1	16.0	18.0
53°	5.0	5.0	5.9	5.9	9.0	12.1	14.9	16.9
54°	5.0	5.0	5.9	5.9	7.9	11.0	14.0	16.0
55°	5.0	5.0	5.9	5.9	7.9	11.0	14.0	14.0
57.5°	5.0	5.0	5.0	5.9	7.0	10.1	12.1	12.1
60°	5.0	5.0	5.0	5.0	7.0	9.0	11.0	7.9



TEST NUMBER: P1212518

CATALOG NUMBER: LDSQA6A35927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	5.0	5.0	5.0	5.0	5.9	7.9	9.0	5.9
64°	5.0	5.0	5.0	5.9	5.9	7.9	7.9	5.9
65°	5.0	5.0	5.0	5.0	5.9	7.0	7.9	5.9
66°	5.0	5.0	5.0	5.0	5.9	7.0	7.0	5.9
67.5°	5.0	5.0	5.0	5.0	5.9	7.0	7.0	5.0
70°	5.0	5.0	5.0	5.0	5.9	5.9	5.9	5.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.9	5.0	4.0
75°	5.0	5.0	5.9	5.9	5.0	5.0	4.0	4.0
77.5°	5.0	5.0	5.9	5.9	5.0	5.0	4.0	3.1
80°	5.0	5.0	5.9	5.9	5.0	4.0	3.1	3.1
82.5°	5.0	5.0	5.9	5.9	5.0	4.0	3.1	2.0
85°	5.0	5.0	5.9	5.9	5.0	4.0	2.0	2.0
87.5°	5.0	5.0	5.9	5.9	5.0	3.1	2.0	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



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1121 Highway 74 South

Peachtree City, GA 30269

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Peachtree City, GA 30269



— 0°-180° - - 45°-225° - - - 90°-270°

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61°	3.1	3.1	3.1	3.1	3.1	3.1	4.0	4.0	4.0	5.0	5.0
62°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.1	3.1	3.1

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Cooper Lighting Solutions Photometric Lab

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Scaled Data Report





61°	5.0	5.0	4.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
62°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1

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61°	3.1	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0
62°	3.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0

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Peachtree City, GA 30269

Scaled Data Report



61°	5.0	5.0	5.0	5.0	7.0	9.0	10.1	7.0
62°	5.0	5.0	5.0	5.0	7.0	9.0	9.0	7.0

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Scaled Data Report



(END OF REPORT)