

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: P1212524

Luminaire Tested: **LDSQA6A35930D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212524
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: LDSQA6A35930D010TE 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 / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

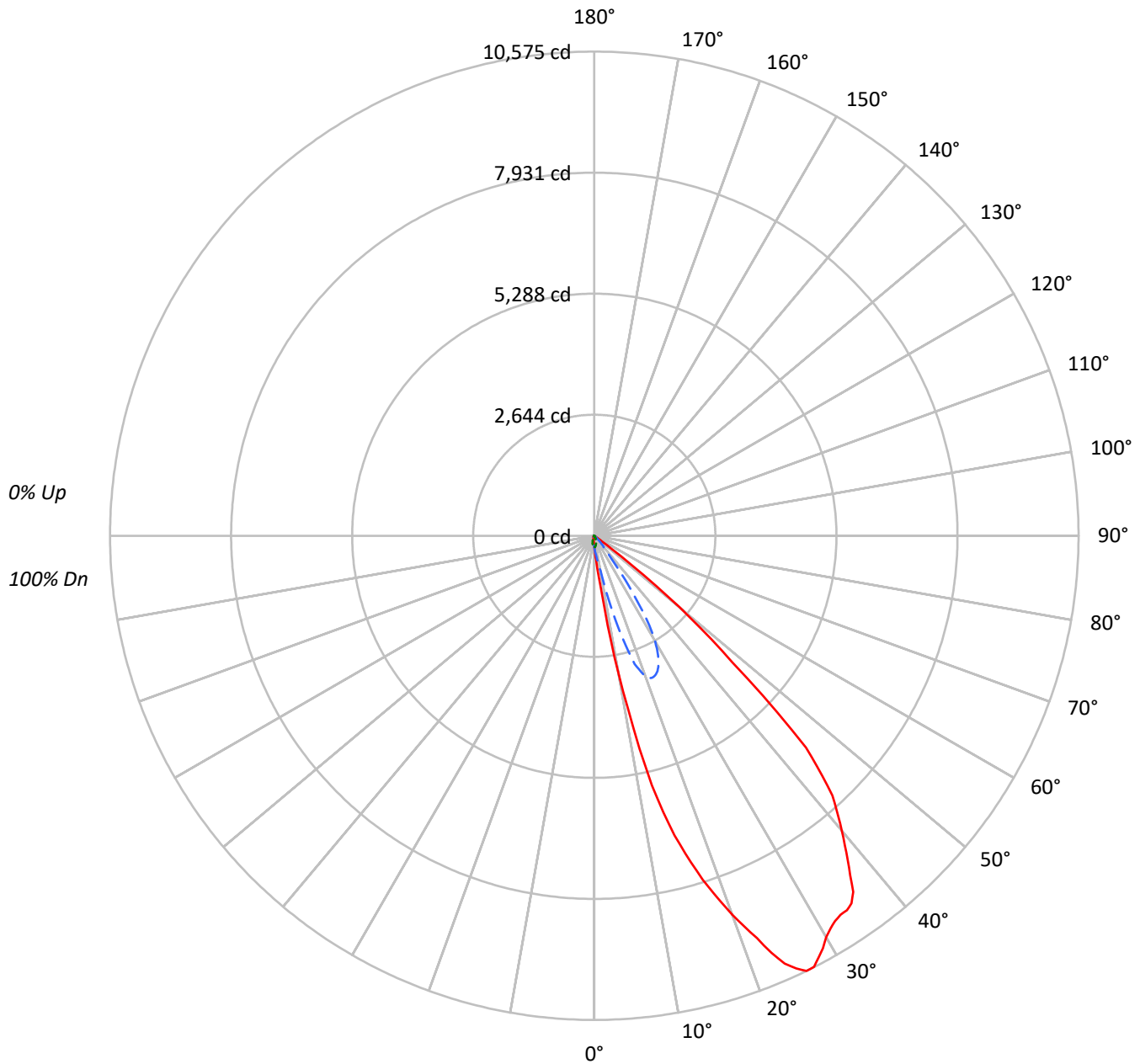
Lumens per Lamp: N/A
Luminaire Lumens: 3161.1 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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



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°	10803	10803	10803
5°	26481	10308	5696
10°	134233	8547	4162
15°	301952	6481	3307
20°	403279	4554	2781
25°	495480	3183	2437
30°	503200	2183	2237
35°	514843	1372	1976
40°	472775	821	1821
45°	398141	572	1656
50°	162855	496	1474
55°	7934	473	1096
60°	448	448	715
65°	112	530	642
70°	138	655	655
75°	0	1048	682
80°	0	1562	769
85°	0	3112	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.2
10°-20°	417.8	13.2
20°-30°	962.3	30.4
30°-40°	1058.2	33.5
40°-50°	620.7	19.6
50°-60°	50.6	1.6
60°-70°	5.2	0.2
70°-80°	4.4	0.1
80°-90°	3.4	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°	1418.7	44.9
0°-40°	2476.9	78.4
0°-60°	3148.2	99.6
0°-90°	3161.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3161.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	251	251	251	251	251	
5°	613	422	238	147	132	129
15°	6774	2215	145	80	74	1912
25°	10430	3262	67	46	51	4673
35°	9795	1174	26	28	38	5967
45°	6539	131	9	18	27	4528
55°	106	6	6	12	15	422
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°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	386.8	378.5	376.4	375.5	369.2	372.2	374.4	369.2	369.2	369.2	357.7
5°	612.7	589.9	586.6	581.4	565.7	565.7	567.9	554.2	549.0	530.1	513.4
7.5°	1256.9	1170.2	1210.9	1188.0	1124.1	1103.2	1099.1	1041.5	1006.0	934.9	869.9
10°	3070.3	2875.7	2935.3	2872.6	2724.1	2630.0	2630.0	2468.9	2348.6	2137.3	1924.0
11°	3835.6	3714.3	3775.0	3701.7	3527.1	3411.0	3407.9	3218.6	3071.2	2810.9	2545.2
12°	4752.7	4566.6	4527.9	4545.7	4350.1	4217.2	4201.6	3993.5	3827.3	3526.0	3222.9
13°	5593.5	5468.0	5336.3	5344.6	5139.5	5003.6	4970.2	4751.6	4576.0	4249.8	3914.1
14°	6217.7	6147.7	6033.6	6021.2	5836.0	5699.0	5658.3	5435.5	5251.5	4923.2	4570.7
15°	6774.1	6708.2	6600.4	6572.2	6394.5	6255.4	6208.4	5976.2	5787.9	5478.5	5137.6
17.5°	7877.2	7834.3	7792.6	7679.7	7544.7	7341.8	7276.0	7006.1	6761.5	6482.3	6110.1
20°	8801.6	8744.2	8656.4	8564.2	8393.8	8174.2	8128.3	7803.0	7546.9	7268.6	6833.7
21°	9139.3	9083.0	8988.8	8883.2	8689.7	8457.7	8393.8	8050.9	7781.0	7492.5	7050.1
22°	9477.2	9423.9	9327.6	9193.9	8979.5	8719.0	8623.8	8262.0	7977.6	7659.7	7215.3
23°	9895.5	9770.0	9665.5	9501.3	9249.1	8954.3	8825.8	8435.7	8136.5	7805.2	7352.3
24°	10226.9	10099.4	9977.0	9777.2	9492.8	9165.6	9001.4	8586.2	8280.9	7922.2	7465.3
25°	10429.7	10363.9	10235.3	10008.4	9699.8	9342.4	9149.9	8709.7	8376.1	8020.4	7558.4
26°	10575.2	10506.1	10395.4	10157.9	9863.1	9499.1	9265.0	8813.2	8468.1	8084.3	7619.9
27°	10570.0	10528.0	10435.0	10225.8	9978.1	9607.9	9361.1	8882.1	8516.2	8116.7	7644.1
28°	10429.7	10429.7	10388.0	10218.6	10005.3	9655.9	9395.6	8894.7	8521.4	8109.4	7628.4
29°	10302.3	10269.7	10278.2	10145.3	9963.4	9622.4	9370.4	8858.2	8482.7	8062.4	7581.2
30°	10121.4	10111.9	10148.6	10041.8	9891.2	9551.3	9290.0	8781.8	8406.4	7985.0	7506.0
31°	10008.4	9983.3	10018.8	9929.9	9764.8	9416.5	9167.6	8672.0	8305.9	7885.6	7414.0
32°	9923.8	9893.3	9935.1	9820.1	9640.3	9296.3	9030.6	8551.8	8175.2	7775.8	7296.8
33°	9872.5	9863.1	9878.8	9722.9	9491.8	9133.2	8892.5	8423.1	8049.8	7652.3	7168.3
34°	9863.1	9843.1	9815.9	9592.2	9342.4	8978.4	8736.8	8279.8	7915.0	7507.1	7011.4
35°	9795.1	9751.1	9689.4	9411.3	9131.0	8782.7	8554.9	8114.6	7745.6	7333.6	6817.0
36°	9619.4	9545.2	9478.3	9188.6	8897.9	8572.7	8358.3	7927.4	7559.3	7133.8	6594.1
37°	9281.7	9256.5	9175.0	8928.2	8662.5	8349.8	8142.8	7731.9	7351.2	6904.8	6345.4
38°	8988.8	8961.7	8886.4	8663.6	8422.0	8122.0	7915.9	7479.9	7117.0	6647.6	6073.4
39°	8691.8	8667.7	8610.3	8367.7	8157.4	7875.2	7669.1	7233.1	6862.0	6362.1	5773.3
40°	8411.6	8387.6	8335.3	8094.8	7886.7	7618.0	7408.8	6964.4	6615.2	6051.4	5429.3
42.5°	7697.3	7615.8	7548.8	7317.7	7131.6	6852.4	6626.5	6169.7	5680.3	5083.2	4458.8
45°	6538.7	6437.3	6357.8	6209.3	6006.4	5791.1	5485.7	4992.1	4486.0	3908.9	3058.7
47.5°	4082.4	3940.2	3849.3	3679.7	3451.9	3304.4	3223.8	2963.5	2618.5	2363.2	1717.0
50°	2431.3	2326.7	2250.4	2004.7	1831.0	1615.7	1410.7	1032.1	828.2	626.4	518.6
51°	1748.3	1662.7	1617.7	1414.8	1283.0	1129.3	985.0	718.4	578.3	437.0	360.7
52°	1012.3	946.4	944.3	813.6	762.3	699.7	598.1	473.8	404.6	316.8	270.9
53°	470.5	431.8	439.2	378.5	358.7	350.3	347.2	276.1	269.8	236.3	199.8
54°	211.3	193.5	180.9	174.6	169.4	171.5	175.7	158.9	152.6	148.5	135.9
55°	105.7	96.1	90.9	96.1	85.7	86.8	90.0	83.7	81.5	81.5	79.6
57.5°	23.0	22.0	22.0	23.0	22.0	22.0	23.0	23.0	23.0	22.0	22.0
60°	5.2	5.2	5.2	5.2	6.3	6.3	6.3	6.3	7.4	8.3	8.3



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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	2.2	2.2	2.2
64°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
65°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
66°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
85°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	2.2
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°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	356.6	348.3	349.2	342.9	338.8	335.7	338.8	329.4	327.2	317.9	312.7
5°	509.2	489.4	483.1	468.5	451.8	443.3	440.3	422.5	413.1	395.3	384.8
7.5°	841.9	779.0	742.5	699.7	647.3	621.2	587.7	555.3	519.7	486.2	463.3
10°	1831.0	1631.3	1481.8	1328.0	1120.0	1015.4	881.5	783.2	684.9	607.5	559.4
11°	2426.0	2171.9	1970.1	1756.8	1480.7	1331.1	1135.6	974.5	804.1	686.0	608.6
12°	3070.3	2765.9	2516.9	2238.8	1901.2	1700.3	1455.7	1242.4	1004.9	823.0	690.1
13°	3719.5	3370.3	3082.7	2746.1	2362.3	2104.0	1815.3	1551.8	1254.8	1022.8	830.3
14°	4348.1	3964.3	3645.4	3254.2	2838.1	2526.5	2198.0	1882.3	1532.0	1249.6	1008.0
15°	4909.5	4503.8	4170.2	3747.8	3310.7	2949.8	2581.9	2214.7	1849.9	1490.0	1202.6
17.5°	5875.7	5449.1	5120.8	4676.4	4244.6	3833.5	3412.1	2935.3	2484.5	2038.1	1698.3
20°	6606.7	6092.3	5699.0	5173.0	4680.5	4217.2	3771.9	3285.5	2840.0	2358.0	1971.2
21°	6792.8	6259.5	5857.9	5331.1	4799.7	4310.5	3841.9	3331.6	2869.4	2383.2	1998.4
22°	6950.7	6415.4	5985.5	5432.4	4889.7	4372.0	3884.8	3348.4	2867.2	2365.4	1978.4
23°	7070.9	6526.3	6089.0	5521.3	4959.7	4417.0	3904.6	3341.0	2842.2	2328.8	1932.5
24°	7185.1	6627.6	6171.7	5576.8	5000.6	4424.4	3894.1	3311.6	2800.4	2273.4	1870.7
25°	7258.1	6695.6	6216.7	5603.9	5002.6	4404.4	3859.7	3262.5	2736.5	2198.0	1790.3
26°	7310.5	6728.0	6232.3	5594.4	4985.8	4364.8	3805.4	3189.4	2648.7	2104.9	1697.2
27°	7318.8	6725.9	6212.5	5562.0	4930.6	4289.4	3717.5	3086.8	2535.8	1997.3	1595.7
28°	7287.5	6687.2	6162.3	5499.4	4853.2	4189.1	3603.4	2963.5	2410.4	1878.1	1483.9
29°	7232.0	6622.4	6076.6	5396.9	4731.8	4054.1	3466.4	2820.2	2269.1	1743.1	1360.4
30°	7144.2	6528.2	5966.8	5276.5	4592.7	3901.5	3307.5	2653.0	2096.6	1577.9	1199.3
31°	7038.5	6406.9	5818.3	5111.5	4418.1	3721.7	3123.5	2430.2	1874.9	1369.8	1006.9
32°	6901.6	6253.2	5647.9	4928.4	4222.6	3515.6	2871.5	2145.8	1611.4	1128.2	798.8
33°	6750.0	6082.9	5445.0	4692.1	4005.0	3239.6	2541.1	1823.8	1317.6	873.2	587.7
34°	6562.8	5879.0	5229.5	4451.6	3725.8	2880.9	2116.4	1476.5	1014.3	624.2	399.4
35°	6346.3	5643.7	4968.2	4168.1	3350.3	2467.8	1721.2	1174.3	725.8	416.2	290.7
36°	6094.3	5388.5	4691.0	3801.1	2922.7	2036.0	1339.6	860.6	496.6	316.8	249.8
37°	5822.5	5103.0	4319.8	3418.4	2463.7	1610.5	996.5	605.5	375.5	281.3	216.5
38°	5517.2	4798.8	3899.3	2943.7	2002.5	1217.2	712.1	451.8	323.1	244.6	185.0
39°	5179.3	4423.3	3418.4	2443.9	1558.1	877.3	542.7	371.2	279.2	211.3	160.0
40°	4804.9	3894.1	2894.6	1950.3	1158.7	632.7	442.3	320.9	243.7	180.9	135.9
42.5°	3558.6	2582.8	1592.6	920.2	546.8	394.2	293.8	225.9	160.0	108.7	70.0
45°	2138.4	1318.7	698.6	477.9	346.1	264.6	189.4	130.7	76.3	47.0	32.4
47.5°	955.8	551.2	391.1	308.5	223.7	157.9	92.0	55.4	34.6	24.1	17.8
50°	372.2	302.2	233.3	177.8	107.6	62.8	39.8	26.1	17.8	12.6	8.3
51°	287.6	234.2	182.0	130.7	72.2	43.9	29.3	19.8	13.7	9.4	6.3
52°	220.7	179.8	137.0	87.8	49.1	33.5	23.0	14.6	10.4	6.3	5.2
53°	162.0	138.1	95.2	61.7	35.6	25.0	17.8	11.5	7.4	5.2	4.1
54°	112.0	95.2	60.7	38.7	26.1	18.9	12.6	8.3	5.2	4.1	4.1
55°	68.0	59.6	39.8	28.3	18.9	13.7	9.4	6.3	4.1	3.1	3.1
57.5°	20.9	18.9	15.7	12.6	8.3	6.3	4.1	3.1	3.1	3.1	3.1
60°	7.4	7.4	6.3	5.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1



TEST NUMBER: P1212524

CATALOG NUMBER: LDSQA6A35930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	2.2	2.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
64°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	3.1	4.1
65°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	3.1	4.1
66°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	3.1	4.1
67.5°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	3.1	4.1
70°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	4.1	4.1
72.5°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	4.1	4.1
75°	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1
77.5°	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1
80°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	4.1	4.1	4.1
82.5°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	4.1	4.1	4.1
85°	2.2	2.2	2.2	2.2	3.1	3.1	3.1	3.1	4.1	4.1	4.1
87.5°	2.2	2.2	2.2	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1
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: P1212524

CATALOG NUMBER: LDSQA6A35930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	308.5	303.3	299.0	294.8	289.6	286.6	283.3	277.2	274.0	266.6	261.4
5°	373.3	361.8	350.3	338.8	328.3	320.0	311.6	300.1	291.8	279.2	268.7
7.5°	438.1	415.1	394.2	376.4	357.7	344.0	328.3	311.6	297.0	280.3	264.6
10°	511.4	468.5	432.9	401.6	374.4	352.4	331.6	308.5	290.7	268.7	250.9
11°	542.7	491.4	447.5	409.9	378.5	353.5	329.4	304.4	284.4	262.4	242.6
12°	588.8	513.4	462.2	418.3	380.7	352.4	326.3	299.0	278.1	255.2	235.3
13°	666.2	553.1	476.8	423.5	383.8	350.3	320.9	291.8	269.8	245.7	224.8
14°	794.7	623.2	507.2	432.9	383.8	348.3	314.8	283.3	259.4	235.3	214.4
15°	951.7	737.3	565.7	452.7	382.7	344.0	308.5	275.0	248.9	223.7	200.7
17.5°	1353.1	1066.7	816.7	600.3	439.2	336.8	285.5	246.8	218.5	190.3	169.4
20°	1593.7	1267.4	987.1	737.3	530.1	369.2	265.7	215.5	185.0	160.0	140.0
21°	1622.9	1293.5	1006.0	754.0	540.5	373.3	259.4	201.8	171.5	146.3	128.7
22°	1613.5	1286.3	997.6	744.5	530.1	364.0	247.9	189.4	158.9	134.8	117.2
23°	1567.4	1245.4	957.8	706.9	502.0	342.0	231.1	175.7	146.3	123.5	106.7
24°	1500.7	1177.4	897.1	651.4	451.8	303.3	207.0	161.1	133.9	112.9	99.4
25°	1421.1	1100.2	820.8	588.8	392.2	260.5	182.0	146.3	121.3	102.4	90.9
26°	1332.2	1016.5	741.4	517.7	329.4	218.5	161.1	132.8	108.7	92.0	82.6
27°	1237.1	925.4	657.7	440.3	274.0	186.1	145.4	118.1	98.3	84.8	75.2
28°	1135.6	834.5	566.8	367.0	227.0	163.1	130.7	105.7	87.8	76.3	68.9
29°	1021.7	727.7	479.0	300.1	187.2	144.4	116.1	94.1	79.6	70.0	63.7
30°	878.4	607.5	383.8	241.6	161.1	128.7	103.5	84.8	72.2	64.8	58.5
31°	715.3	472.7	291.8	191.3	140.0	113.9	92.0	76.3	65.9	59.6	53.3
32°	540.5	344.0	217.4	158.9	123.5	100.4	81.5	68.9	60.7	53.3	49.1
33°	380.7	245.7	175.7	138.1	107.6	87.8	73.3	62.8	55.4	48.1	43.9
34°	261.4	197.6	152.6	119.2	94.1	78.5	65.9	56.5	49.1	42.8	38.7
35°	220.7	172.6	131.8	102.4	81.5	68.9	58.5	50.2	42.8	37.6	33.5
36°	190.3	149.6	112.9	90.0	71.1	59.6	51.3	42.8	36.5	31.3	29.3
37°	164.2	128.7	97.2	77.4	60.7	50.2	41.8	35.6	31.3	27.2	25.0
38°	142.2	108.7	82.6	65.9	50.2	40.9	34.6	29.3	26.1	23.0	20.9
39°	121.3	90.9	67.0	52.2	39.8	33.5	28.3	25.0	22.0	19.8	17.8
40°	100.4	72.2	51.3	40.9	31.3	27.2	23.0	20.9	17.8	16.7	15.7
42.5°	47.0	34.6	27.2	23.0	18.9	16.7	14.6	12.6	11.5	10.4	10.4
45°	24.1	19.8	14.6	12.6	10.4	9.4	8.3	7.4	7.4	7.4	7.4
47.5°	12.6	9.4	7.4	6.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2
50°	6.3	4.1	4.1	4.1	3.1	4.1	4.1	4.1	4.1	5.2	5.2
51°	4.1	4.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	5.2	5.2
52°	4.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	5.2	5.2
53°	3.1	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	5.2	5.2
54°	3.1	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	5.2	5.2
55°	3.1	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	5.2
57.5°	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	4.1	5.2
60°	3.1	3.1	3.1	3.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2



TEST NUMBER: P1212524

CATALOG NUMBER: LDSQA6A35930D010TE 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	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2
64°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2
66°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2	5.2
67.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2	5.2
70°	4.1	4.1	4.1	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2
72.5°	4.1	4.1	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2
75°	4.1	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2
77.5°	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
80°	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
82.5°	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
85°	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
87.5°	4.1	4.1	4.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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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TEST NUMBER: P1212524

CATALOG NUMBER: LDSQA6A35930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
2.5°	261.4	252.0	253.1	247.9	207.0	185.0	173.5	165.2
5°	263.5	249.8	246.8	238.5	172.6	147.4	137.0	131.8
7.5°	256.1	238.5	232.2	220.7	146.3	123.5	115.0	110.9
10°	239.4	219.6	209.2	195.5	125.5	106.7	98.3	95.2
11°	231.1	210.2	199.8	186.1	118.1	100.4	93.1	90.0
12°	221.8	199.8	190.3	175.7	110.9	94.1	87.8	84.8
13°	211.3	189.4	179.8	166.3	103.5	88.9	83.7	80.5
14°	198.7	178.7	169.4	156.8	97.2	83.7	79.6	77.4
15°	187.2	168.3	157.9	145.4	92.0	79.6	76.3	74.2
17.5°	156.8	140.0	131.8	121.3	77.4	68.0	68.0	67.0
20°	128.7	113.9	107.6	99.4	64.8	59.6	60.7	60.7
21°	118.1	105.7	99.4	92.0	61.7	56.5	58.5	58.5
22°	107.6	96.1	92.0	84.8	57.6	53.3	56.5	56.5
23°	99.4	87.8	84.8	78.5	53.3	51.3	54.4	54.4
24°	90.9	81.5	77.4	72.2	50.2	48.1	52.2	53.3
25°	83.7	74.2	71.1	67.0	47.0	46.1	50.2	51.3
26°	76.3	68.0	65.9	61.7	43.9	43.9	48.1	50.2
27°	70.0	63.7	60.7	56.5	40.9	41.8	47.0	48.1
28°	64.8	58.5	55.4	52.2	37.6	39.8	45.0	47.0
29°	59.6	53.3	51.3	48.1	35.6	37.6	42.8	46.1
30°	54.4	49.1	47.0	43.9	33.5	35.6	41.8	45.0
31°	50.2	45.0	42.8	39.8	31.3	34.6	39.8	42.8
32°	45.0	40.9	38.7	36.5	29.3	32.4	38.7	41.8
33°	40.9	35.6	34.6	32.4	28.3	31.3	37.6	39.8
34°	35.6	31.3	30.2	29.3	26.1	29.3	35.6	38.7
35°	30.2	28.3	27.2	26.1	24.1	28.3	34.6	37.6
36°	27.2	24.1	24.1	23.0	23.0	27.2	33.5	36.5
37°	23.0	22.0	20.9	20.9	20.9	25.0	31.3	35.6
38°	19.8	18.9	18.9	18.9	19.8	24.1	30.2	34.6
39°	16.7	16.7	16.7	16.7	18.9	23.0	29.3	33.5
40°	14.6	14.6	14.6	14.6	17.8	22.0	28.3	32.4
42.5°	10.4	10.4	10.4	11.5	14.6	19.8	25.0	30.2
45°	8.3	8.3	8.3	9.4	13.7	17.8	23.0	27.2
47.5°	6.3	6.3	7.4	8.3	11.5	15.7	20.9	25.0
50°	5.2	6.3	6.3	7.4	10.4	14.6	17.8	22.0
51°	5.2	5.2	6.3	6.3	9.4	13.7	16.7	20.9
52°	5.2	5.2	6.3	6.3	9.4	12.6	16.7	18.9
53°	5.2	5.2	6.3	6.3	9.4	12.6	15.7	17.8
54°	5.2	5.2	6.3	6.3	8.3	11.5	14.6	16.7
55°	5.2	5.2	6.3	6.3	8.3	11.5	14.6	14.6
57.5°	5.2	5.2	5.2	6.3	7.4	10.4	12.6	12.6
60°	5.2	5.2	5.2	5.2	7.4	9.4	11.5	8.3



TEST NUMBER: P1212524

CATALOG NUMBER: LDSQA6A35930D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	5.2	5.2	5.2	5.2	6.3	8.3	9.4	6.3
64°	5.2	5.2	5.2	6.3	6.3	8.3	8.3	6.3
65°	5.2	5.2	5.2	5.2	6.3	7.4	8.3	6.3
66°	5.2	5.2	5.2	5.2	6.3	7.4	7.4	6.3
67.5°	5.2	5.2	5.2	5.2	6.3	7.4	7.4	5.2
70°	5.2	5.2	5.2	5.2	6.3	6.3	6.3	5.2
72.5°	5.2	5.2	5.2	5.2	5.2	6.3	5.2	4.1
75°	5.2	5.2	6.3	6.3	5.2	5.2	4.1	4.1
77.5°	5.2	5.2	6.3	6.3	5.2	5.2	4.1	3.1
80°	5.2	5.2	6.3	6.3	5.2	4.1	3.1	3.1
82.5°	5.2	5.2	6.3	6.3	5.2	4.1	3.1	2.2
85°	5.2	5.2	6.3	6.3	5.2	4.1	2.2	2.2
87.5°	5.2	5.2	6.3	6.3	5.2	3.1	2.2	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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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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— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





61°	3.1	3.1	3.1	3.1	3.1	3.1	4.1	4.1	4.1	5.2	5.2
62°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.1	3.1	3.1

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Scaled Data Report





61°	5.2	5.2	4.1	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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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	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2
62°	3.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2

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Scaled Data Report



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Peachtree City, GA 30269

Scaled Data Report



61°	5.2	5.2	5.2	5.2	7.4	9.4	10.4	7.4
62°	5.2	5.2	5.2	5.2	7.4	9.4	9.4	7.4

Classified

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)