

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: P1212470

Luminaire Tested: **LDSQA6A25927D010TE 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: P1212470
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: LDSQA6A25927D010TE 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

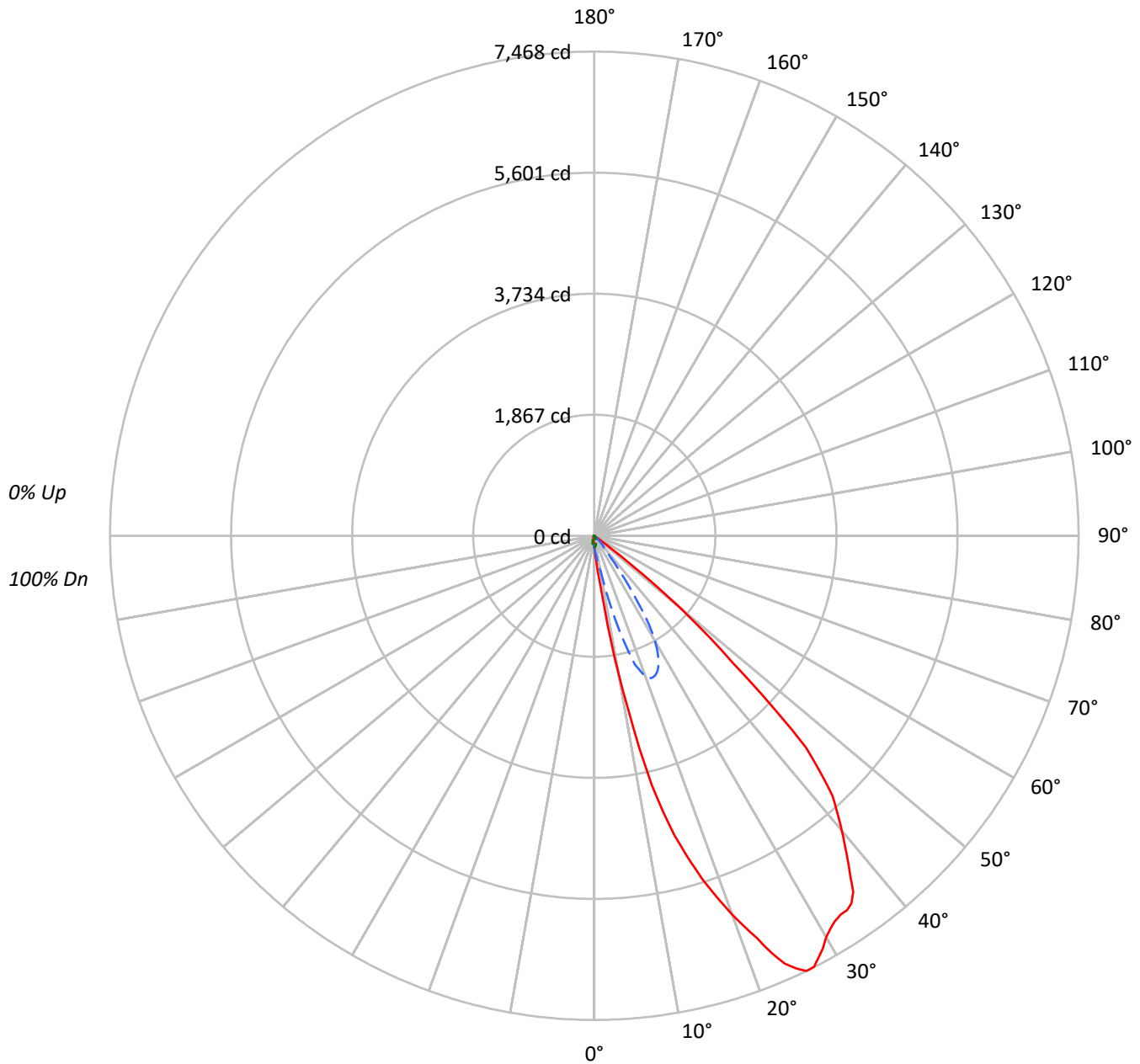
Lumens per Lamp: N/A
Luminaire Lumens: 2232.4 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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



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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°	7634	7634	7634
5°	18706	7278	4024
10°	94793	6038	2938
15°	213240	4578	2336
20°	284801	3212	1961
25°	349910	2242	1720
30°	355358	1541	1581
35°	363577	972	1398
40°	333876	585	1287
45°	281165	402	1169
50°	115003	348	1045
55°	5600	330	781
60°	319	319	508
65°	82	377	448
70°	101	466	466
75°	0	732	482
80°	0	1091	570
85°	0	2174	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	1.2
10°-20°	295.1	13.2
20°-30°	679.6	30.4
30°-40°	747.3	33.5
40°-50°	438.3	19.6
50°-60°	35.7	1.6
60°-70°	3.7	0.2
70°-80°	3.1	0.1
80°-90°	2.4	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°	1001.9	44.9
0°-40°	1749.2	78.4
0°-60°	2223.2	99.6
0°-90°	2232.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2232.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	177	177	177	177	177	
5°	433	298	168	104	93	91
15°	4784	1564	103	56	52	1350
25°	7366	2304	47	32	36	3300
35°	6917	829	18	20	27	4214
45°	4618	92	7	12	19	3198
55°	75	4	4	8	10	298
65°	1	2	4	5	4	1
75°	0	2	4	4	3	0
85°	0	2	4	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°	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3
2.5°	273.2	267.3	265.9	265.1	260.7	262.9	264.4	260.7	260.7	260.7	252.6
5°	432.8	416.6	414.3	410.6	399.5	399.5	401.0	391.4	387.7	374.4	362.6
7.5°	887.6	826.3	855.2	839.0	793.9	779.1	776.2	735.5	710.4	660.2	614.5
10°	2168.2	2030.8	2072.9	2028.5	1923.7	1857.2	1857.2	1743.5	1658.6	1509.4	1358.7
11°	2708.7	2623.0	2665.9	2614.2	2490.8	2408.9	2406.6	2273.0	2168.8	1985.0	1797.5
12°	3356.4	3224.9	3197.6	3210.1	3072.0	2978.3	2967.2	2820.3	2702.8	2490.2	2276.0
13°	3950.1	3861.5	3768.4	3774.3	3629.6	3533.5	3510.0	3355.6	3231.5	3001.1	2764.1
14°	4391.0	4341.5	4260.9	4252.1	4121.4	4024.7	3995.9	3838.5	3708.6	3476.8	3227.9
15°	4783.9	4737.3	4661.3	4641.3	4515.7	4417.6	4384.3	4220.4	4087.5	3868.8	3628.1
17.5°	5562.9	5532.7	5503.1	5423.3	5328.1	5184.7	5138.3	4947.7	4775.0	4577.7	4314.9
20°	6215.8	6175.1	6113.1	6048.0	5927.7	5772.6	5740.1	5510.5	5329.6	5133.1	4825.9
21°	6454.2	6414.3	6348.0	6273.3	6136.8	5972.8	5927.7	5685.5	5495.0	5291.1	4978.7
22°	6692.8	6655.1	6587.2	6492.7	6341.3	6157.4	6090.2	5834.7	5633.7	5409.2	5095.5
23°	6988.1	6899.5	6825.7	6709.7	6531.8	6323.5	6232.6	5957.2	5746.0	5511.9	5192.2
24°	7222.3	7132.1	7045.8	6904.7	6703.9	6472.7	6356.7	6063.6	5848.0	5594.6	5272.0
25°	7365.5	7319.0	7228.2	7067.9	6850.0	6597.5	6461.7	6150.7	5915.2	5664.1	5337.7
26°	7468.2	7419.4	7341.2	7173.5	6965.2	6708.3	6542.8	6223.9	5980.1	5709.2	5381.2
27°	7464.5	7435.0	7369.3	7221.5	7046.5	6785.1	6610.8	6272.5	6014.1	5732.0	5398.2
28°	7365.5	7365.5	7336.0	7216.3	7065.6	6819.0	6635.1	6281.5	6017.9	5726.8	5387.2
29°	7275.4	7252.5	7258.5	7164.7	7036.1	6795.4	6617.4	6255.5	5990.5	5693.6	5353.9
30°	7147.7	7141.0	7166.8	7091.6	6985.2	6745.2	6560.6	6201.7	5936.6	5638.9	5300.7
31°	7067.9	7050.2	7075.3	7012.6	6895.8	6649.9	6474.2	6124.1	5865.7	5568.8	5235.8
32°	7008.0	6986.6	7016.1	6935.0	6808.0	6565.0	6377.5	6039.3	5773.4	5491.3	5153.1
33°	6971.9	6965.2	6976.4	6866.3	6703.1	6449.8	6280.0	5948.4	5684.7	5404.2	5062.2
34°	6965.2	6951.2	6932.1	6774.0	6597.5	6340.5	6169.9	5847.2	5589.5	5301.5	4951.5
35°	6917.2	6886.2	6842.7	6646.3	6448.4	6202.5	6041.4	5730.6	5469.9	5178.9	4814.1
36°	6793.2	6740.7	6693.5	6488.9	6283.6	6054.0	5902.5	5598.4	5338.4	5037.9	4656.9
37°	6554.6	6537.0	6479.4	6305.1	6117.5	5896.7	5750.5	5460.3	5191.4	4876.2	4481.0
38°	6348.0	6328.7	6275.5	6118.3	5947.6	5735.8	5590.3	5282.2	5026.1	4694.5	4289.0
39°	6138.2	6121.2	6080.6	5909.2	5760.8	5561.4	5415.9	5108.0	4845.9	4492.9	4077.1
40°	5940.3	5923.3	5886.3	5716.5	5569.5	5379.7	5232.1	4918.2	4671.6	4273.6	3834.1
42.5°	5435.8	5378.3	5331.0	5167.8	5036.3	4839.2	4679.7	4356.9	4011.4	3589.7	3148.8
45°	4617.6	4546.1	4489.9	4385.0	4241.8	4089.6	3874.0	3525.4	3168.1	2760.4	2160.1
47.5°	2883.0	2782.5	2718.3	2598.7	2437.8	2333.6	2276.7	2092.9	1849.1	1668.9	1212.6
50°	1716.9	1643.1	1589.2	1415.7	1293.0	1140.9	996.2	728.8	584.9	442.4	366.3
51°	1234.8	1174.1	1142.5	999.1	906.1	797.6	695.6	507.4	408.3	308.7	254.8
52°	714.9	668.3	666.9	574.6	538.4	494.1	422.4	334.5	285.8	223.7	191.3
53°	332.4	305.0	310.2	267.3	253.2	247.4	245.1	195.0	190.6	166.9	141.1
54°	149.2	136.6	127.8	123.3	119.6	121.2	124.1	112.3	107.9	104.8	96.0
55°	74.6	68.0	64.2	68.0	60.5	61.3	63.6	59.1	57.6	57.6	56.1
57.5°	16.2	15.6	15.6	16.2	15.6	15.6	16.2	16.2	16.2	15.6	15.6
60°	3.7	3.7	3.7	3.7	4.4	4.4	4.4	4.4	5.2	5.9	5.9



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
64°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
65°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
66°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
75°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
77.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	1.5
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°	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3
2.5°	251.8	245.9	246.7	242.2	239.3	237.0	239.3	232.6	231.2	224.5	220.8
5°	359.6	345.7	341.1	330.8	319.1	313.1	311.0	298.3	291.7	279.2	271.7
7.5°	594.5	550.2	524.3	494.1	457.1	438.6	415.0	392.1	367.1	343.4	327.2
10°	1293.0	1152.0	1046.4	937.9	791.0	717.0	622.6	553.1	483.7	429.1	395.1
11°	1713.3	1533.8	1391.3	1240.6	1045.6	940.0	802.0	688.3	567.9	484.4	429.9
12°	2168.2	1953.2	1777.5	1581.1	1342.5	1200.7	1028.0	877.3	709.7	581.2	487.4
13°	2626.8	2380.0	2177.1	1939.3	1668.2	1485.7	1282.0	1095.9	886.2	722.2	586.4
14°	3070.6	2799.5	2574.3	2298.1	2004.2	1784.2	1552.2	1329.2	1081.8	882.5	711.9
15°	3467.2	3180.6	2945.0	2646.7	2338.0	2083.2	1823.3	1564.1	1306.3	1052.3	849.2
17.5°	4149.5	3848.2	3616.3	3302.4	2997.4	2707.2	2409.7	2072.9	1754.7	1439.3	1199.3
20°	4665.6	4302.3	4024.7	3653.2	3305.4	2978.3	2663.7	2320.3	2005.6	1665.3	1392.0
21°	4797.0	4420.5	4137.0	3764.7	3389.6	3044.0	2713.2	2352.8	2026.4	1683.0	1411.3
22°	4908.6	4530.5	4227.0	3836.4	3453.1	3087.6	2743.4	2364.6	2024.9	1670.5	1397.2
23°	4993.5	4608.8	4300.2	3899.2	3502.6	3119.2	2757.5	2359.4	2007.1	1644.5	1364.7
24°	5074.1	4680.4	4358.4	3938.3	3531.4	3124.4	2750.0	2338.7	1977.6	1605.4	1321.1
25°	5125.7	4728.4	4390.2	3957.4	3532.9	3110.5	2725.7	2304.1	1932.6	1552.2	1264.3
26°	5162.7	4751.3	4401.2	3950.8	3521.0	3082.4	2687.3	2252.4	1870.5	1486.5	1198.6
27°	5168.5	4749.8	4387.3	3927.9	3481.9	3029.2	2625.3	2180.0	1790.8	1410.5	1126.9
28°	5146.4	4722.6	4351.8	3883.6	3427.3	2958.3	2544.8	2092.9	1702.1	1326.3	1047.9
29°	5107.2	4676.7	4291.2	3811.2	3341.6	2863.1	2448.0	1991.7	1602.5	1231.0	960.8
30°	5045.2	4610.3	4213.7	3726.3	3243.3	2755.2	2335.7	1873.4	1480.7	1114.4	847.1
31°	4970.6	4524.7	4108.9	3609.6	3120.0	2628.2	2205.8	1716.2	1324.0	967.4	711.2
32°	4873.9	4416.0	3988.5	3480.5	2982.0	2482.7	2027.9	1515.4	1137.9	796.8	564.2
33°	4766.9	4295.6	3845.2	3313.6	2828.4	2287.7	1794.4	1287.8	930.5	616.6	415.0
34°	4634.7	4151.7	3693.1	3143.7	2631.1	2034.5	1494.7	1042.7	716.3	440.9	282.1
35°	4481.8	3985.5	3508.5	2943.6	2366.1	1742.8	1215.5	829.3	512.4	293.9	205.4
36°	4303.7	3805.4	3312.8	2684.3	2064.0	1437.9	946.0	607.8	350.7	223.7	176.5
37°	4111.8	3603.8	3050.6	2414.1	1739.8	1137.3	703.7	427.6	265.1	198.7	152.8
38°	3896.2	3388.8	2753.8	2078.8	1414.2	859.6	502.9	319.1	228.2	172.8	130.7
39°	3657.6	3123.8	2414.1	1725.8	1100.3	619.5	383.3	262.1	197.1	149.2	113.0
40°	3393.2	2750.0	2044.1	1377.2	818.2	446.7	312.4	226.8	172.1	127.8	96.0
42.5°	2513.0	1824.0	1124.6	649.8	386.2	278.4	207.5	159.5	113.0	76.7	49.5
45°	1510.2	931.3	493.3	337.4	244.5	186.9	133.7	92.3	53.9	33.2	22.9
47.5°	675.0	389.2	276.2	217.9	158.0	111.5	65.0	39.1	24.3	17.0	12.5
50°	262.9	213.5	164.7	125.6	76.1	44.3	28.1	18.5	12.5	8.9	5.9
51°	203.1	165.5	128.5	92.3	50.9	31.0	20.6	14.0	9.6	6.6	4.4
52°	155.9	127.0	96.7	62.0	34.7	23.7	16.2	10.4	7.4	4.4	3.7
53°	114.5	97.5	67.2	43.6	25.1	17.7	12.5	8.1	5.2	3.7	2.9
54°	79.0	67.2	42.8	27.3	18.5	13.3	8.9	5.9	3.7	2.9	2.9
55°	48.0	42.0	28.1	20.0	13.3	9.6	6.6	4.4	2.9	2.3	2.3
57.5°	14.8	13.3	11.0	8.9	5.9	4.4	2.9	2.3	2.3	2.3	2.3
60°	5.2	5.2	4.4	3.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3



TEST NUMBER: P1212470

CATALOG NUMBER: LDSQA6A25927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
64°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.9
65°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.9
66°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.9
67.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.9
70°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.9	2.9
72.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.9	2.9
75°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9
77.5°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9
80°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.9	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.9	2.9	2.9
85°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.9	2.9	2.9
87.5°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9
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: P1212470

CATALOG NUMBER: LDSQA6A25927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3
2.5°	217.9	214.1	211.2	208.3	204.6	202.3	200.2	195.6	193.5	188.3	184.6
5°	263.6	255.5	247.4	239.3	231.8	226.0	220.1	212.0	206.0	197.1	189.8
7.5°	309.4	293.1	278.4	265.9	252.6	243.0	231.8	220.1	209.7	197.9	186.9
10°	361.1	330.8	305.8	283.6	264.4	248.8	234.1	217.9	205.4	189.8	177.3
11°	383.3	347.1	316.0	289.5	267.3	249.6	232.6	214.9	200.8	185.4	171.3
12°	415.8	362.6	326.4	295.4	268.8	248.8	230.4	211.2	196.4	180.2	166.1
13°	470.4	390.6	336.8	299.1	271.1	247.4	226.8	206.0	190.6	173.6	158.8
14°	561.3	440.1	358.2	305.8	271.1	245.9	222.2	200.2	183.1	166.1	151.4
15°	672.0	520.6	399.5	319.7	270.3	243.0	217.9	194.2	175.7	158.0	141.8
17.5°	955.6	753.2	576.7	423.9	310.2	237.8	201.6	174.2	154.3	134.5	119.6
20°	1125.4	895.1	697.1	520.6	374.4	260.7	187.5	152.2	130.7	113.0	99.0
21°	1146.1	913.4	710.4	532.4	381.8	263.6	183.1	142.6	121.2	103.3	90.8
22°	1139.4	908.3	704.5	525.7	374.4	257.0	175.0	133.7	112.3	95.2	82.7
23°	1107.0	879.5	676.4	499.1	354.4	241.5	163.2	124.1	103.3	87.1	75.3
24°	1059.7	831.5	633.6	460.0	319.1	214.1	146.2	113.7	94.6	79.8	70.1
25°	1003.6	776.9	579.7	415.8	276.9	183.9	128.5	103.3	85.7	72.4	64.2
26°	940.8	717.8	523.6	365.5	232.6	154.3	113.7	93.8	76.7	65.0	58.4
27°	873.7	653.6	464.4	311.0	193.5	131.4	102.7	83.4	69.4	59.8	53.2
28°	802.0	589.3	400.2	259.2	160.3	115.2	92.3	74.6	62.0	53.9	48.7
29°	721.5	513.9	338.2	212.0	132.2	101.9	81.9	66.5	56.1	49.5	45.1
30°	620.3	429.1	271.1	170.6	113.7	90.8	73.2	59.8	50.9	45.8	41.4
31°	505.1	333.8	206.0	135.1	99.0	80.5	65.0	53.9	46.6	42.0	37.6
32°	381.8	243.0	153.6	112.3	87.1	70.9	57.6	48.7	42.8	37.6	34.7
33°	268.8	173.6	124.1	97.5	76.1	62.0	51.7	44.3	39.1	33.9	31.0
34°	184.6	139.5	107.9	84.2	66.5	55.3	46.6	39.9	34.7	30.3	27.3
35°	155.9	121.8	93.1	72.4	57.6	48.7	41.4	35.5	30.3	26.6	23.7
36°	134.5	105.6	79.8	63.6	50.3	42.0	36.2	30.3	25.8	22.2	20.6
37°	116.0	90.8	68.6	54.7	42.8	35.5	29.5	25.1	22.2	19.2	17.7
38°	100.4	76.7	58.4	46.6	35.5	28.9	24.3	20.6	18.5	16.2	14.8
39°	85.7	64.2	47.2	37.0	28.1	23.7	20.0	17.7	15.6	14.0	12.5
40°	70.9	50.9	36.2	28.9	22.2	19.2	16.2	14.8	12.5	11.8	11.0
42.5°	33.2	24.3	19.2	16.2	13.3	11.8	10.4	8.9	8.1	7.4	7.4
45°	17.0	14.0	10.4	8.9	7.4	6.6	5.9	5.2	5.2	5.2	5.2
47.5°	8.9	6.6	5.2	4.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7
50°	4.4	2.9	2.9	2.9	2.3	2.9	2.9	2.9	2.9	3.7	3.7
51°	2.9	2.9	2.3	2.3	2.3	2.9	2.9	2.9	2.9	3.7	3.7
52°	2.9	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	3.7	3.7
53°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	3.7	3.7
54°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	3.7	3.7
55°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	3.7
57.5°	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	3.7
60°	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	3.7



TEST NUMBER: P1212470

CATALOG NUMBER: LDSQA6A25927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7
64°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7
66°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7	3.7
67.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7	3.7
70°	2.9	2.9	2.9	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7
72.5°	2.9	2.9	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7
75°	2.9	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7
77.5°	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
80°	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
82.5°	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
85°	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
87.5°	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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: P1212470

CATALOG NUMBER: LDSQA6A25927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3
2.5°	184.6	178.0	178.8	175.0	146.2	130.7	122.6	116.6
5°	186.1	176.5	174.2	168.4	121.8	104.1	96.7	93.1
7.5°	180.9	168.4	164.0	155.9	103.3	87.1	81.3	78.3
10°	169.2	155.1	147.6	138.1	88.6	75.3	69.4	67.2
11°	163.2	148.4	141.1	131.4	83.4	70.9	65.7	63.6
12°	156.5	141.1	134.5	124.1	78.3	66.5	62.0	59.8
13°	149.2	133.7	127.0	117.4	73.2	62.8	59.1	56.9
14°	140.3	126.2	119.6	110.8	68.6	59.1	56.1	54.7
15°	132.2	118.9	111.5	102.7	65.0	56.1	53.9	52.4
17.5°	110.8	99.0	93.1	85.7	54.7	48.0	48.0	47.2
20°	90.8	80.5	76.1	70.1	45.8	42.0	42.8	42.8
21°	83.4	74.6	70.1	65.0	43.6	39.9	41.4	41.4
22°	76.1	68.0	65.0	59.8	40.6	37.6	39.9	39.9
23°	70.1	62.0	59.8	55.3	37.6	36.2	38.4	38.4
24°	64.2	57.6	54.7	50.9	35.5	33.9	37.0	37.6
25°	59.1	52.4	50.3	47.2	33.2	32.5	35.5	36.2
26°	53.9	48.0	46.6	43.6	31.0	31.0	33.9	35.5
27°	49.5	45.1	42.8	39.9	28.9	29.5	33.2	33.9
28°	45.8	41.4	39.1	37.0	26.6	28.1	31.8	33.2
29°	42.0	37.6	36.2	33.9	25.1	26.6	30.3	32.5
30°	38.4	34.7	33.2	31.0	23.7	25.1	29.5	31.8
31°	35.5	31.8	30.3	28.1	22.2	24.3	28.1	30.3
32°	31.8	28.9	27.3	25.8	20.6	22.9	27.3	29.5
33°	28.9	25.1	24.3	22.9	20.0	22.2	26.6	28.1
34°	25.1	22.2	21.4	20.6	18.5	20.6	25.1	27.3
35°	21.4	20.0	19.2	18.5	17.0	20.0	24.3	26.6
36°	19.2	17.0	17.0	16.2	16.2	19.2	23.7	25.8
37°	16.2	15.6	14.8	14.8	14.8	17.7	22.2	25.1
38°	14.0	13.3	13.3	13.3	14.0	17.0	21.4	24.3
39°	11.8	11.8	11.8	11.8	13.3	16.2	20.6	23.7
40°	10.4	10.4	10.4	10.4	12.5	15.6	20.0	22.9
42.5°	7.4	7.4	7.4	8.1	10.4	14.0	17.7	21.4
45°	5.9	5.9	5.9	6.6	9.6	12.5	16.2	19.2
47.5°	4.4	4.4	5.2	5.9	8.1	11.0	14.8	17.7
50°	3.7	4.4	4.4	5.2	7.4	10.4	12.5	15.6
51°	3.7	3.7	4.4	4.4	6.6	9.6	11.8	14.8
52°	3.7	3.7	4.4	4.4	6.6	8.9	11.8	13.3
53°	3.7	3.7	4.4	4.4	6.6	8.9	11.0	12.5
54°	3.7	3.7	4.4	4.4	5.9	8.1	10.4	11.8
55°	3.7	3.7	4.4	4.4	5.9	8.1	10.4	10.4
57.5°	3.7	3.7	3.7	4.4	5.2	7.4	8.9	8.9
60°	3.7	3.7	3.7	3.7	5.2	6.6	8.1	5.9



TEST NUMBER: P1212470

CATALOG NUMBER: LDSQA6A25927D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	3.7	3.7	3.7	3.7	4.4	5.9	6.6	4.4
64°	3.7	3.7	3.7	4.4	4.4	5.9	5.9	4.4
65°	3.7	3.7	3.7	3.7	4.4	5.2	5.9	4.4
66°	3.7	3.7	3.7	3.7	4.4	5.2	5.2	4.4
67.5°	3.7	3.7	3.7	3.7	4.4	5.2	5.2	3.7
70°	3.7	3.7	3.7	3.7	4.4	4.4	4.4	3.7
72.5°	3.7	3.7	3.7	3.7	3.7	4.4	3.7	2.9
75°	3.7	3.7	4.4	4.4	3.7	3.7	2.9	2.9
77.5°	3.7	3.7	4.4	4.4	3.7	3.7	2.9	2.3
80°	3.7	3.7	4.4	4.4	3.7	2.9	2.3	2.3
82.5°	3.7	3.7	4.4	4.4	3.7	2.9	2.3	1.5
85°	3.7	3.7	4.4	4.4	3.7	2.9	1.5	1.5
87.5°	3.7	3.7	4.4	4.4	3.7	2.3	1.5	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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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°	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	3.7	3.7
62°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3

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Scaled Data Report





61°	3.7	3.7	2.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3

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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



61°	2.3	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7
62°	2.3	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7

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Peachtree City, GA 30269

Scaled Data Report



61°	3.7	3.7	3.7	3.7	5.2	6.6	7.4	5.2
62°	3.7	3.7	3.7	3.7	5.2	6.6	6.6	5.2

Classified

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)