

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: P1219583

Luminaire Tested: **LDSQA6A10950D010TE LAR35FL 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219583
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: LDSQA6A10950D010TE 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

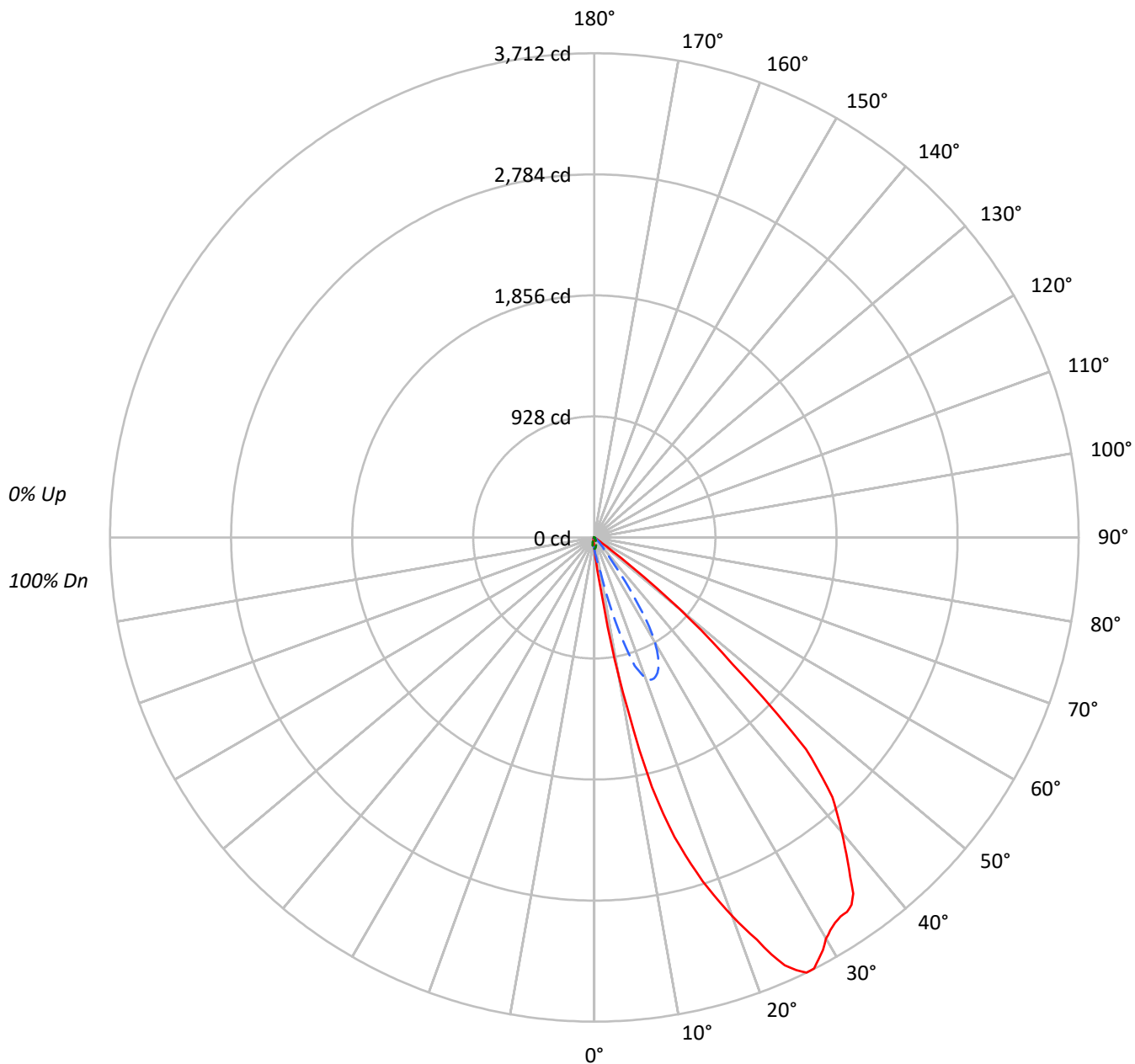
Lumens per Lamp: N/A
Luminaire Lumens: 1109.5 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 12.4
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	55	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°	3793	3793	3793
5°	9297	3618	1997
10°	47121	2999	1460
15°	105989	2278	1159
20°	141553	1594	976
25°	173922	1116	855
30°	176622	766	786
35°	180711	484	694
40°	165951	287	635
45°	139748	195	585
50°	57156	167	516
55°	2785	165	383
60°	155	155	250
65°	31	183	224
70°	38	227	227
75°	0	366	250
80°	0	545	248
85°	0	1087	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	1.2
10°-20°	146.7	13.2
20°-30°	337.8	30.4
30°-40°	371.4	33.5
40°-50°	217.9	19.6
50°-60°	17.7	1.6
60°-70°	1.8	0.2
70°-80°	1.5	0.1
80°-90°	1.2	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°	498.0	44.9
0°-40°	869.4	78.4
0°-60°	1105.0	99.6
0°-90°	1109.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1109.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	88	88	88	88	88	
5°	215	148	84	52	46	45
15°	2378	777	51	28	26	671
25°	3661	1145	24	16	18	1640
35°	3438	412	9	10	13	2094
45°	2295	46	3	6	10	1589
55°	37	2	2	4	5	148
65°	0	1	2	2	2	0
75°	0	1	2	2	2	0
85°	0	1	2	2	1	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°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	135.8	132.9	132.2	131.8	129.6	130.6	131.5	129.6	129.6	129.6	125.5
5°	215.1	207.1	205.9	204.0	198.5	198.5	199.3	194.6	192.7	186.2	180.2
7.5°	441.2	410.7	424.9	417.0	394.6	387.3	385.8	365.6	353.2	328.1	305.3
10°	1077.8	1009.4	1030.3	1008.3	956.2	923.1	923.1	866.5	824.3	750.3	675.4
11°	1346.3	1303.7	1325.1	1299.4	1238.1	1197.4	1196.2	1129.9	1078.1	986.6	893.4
12°	1668.3	1603.0	1589.3	1595.6	1526.9	1480.3	1474.7	1401.7	1343.4	1237.7	1131.3
13°	1963.3	1919.3	1873.0	1876.1	1804.1	1756.4	1744.6	1667.8	1606.2	1491.7	1373.8
14°	2182.5	2157.8	2118.0	2113.5	2048.5	2000.3	1986.1	1908.0	1843.3	1728.2	1604.4
15°	2377.8	2354.6	2316.9	2306.9	2244.5	2195.6	2179.1	2097.7	2031.5	1923.0	1803.4
17.5°	2764.9	2750.0	2735.2	2695.7	2648.3	2577.0	2553.9	2459.2	2373.4	2275.4	2144.7
20°	3089.4	3069.2	3038.5	3006.1	2946.2	2869.3	2853.1	2738.9	2649.0	2551.3	2398.7
21°	3208.0	3188.2	3155.2	3118.1	3050.1	2968.8	2946.2	2825.9	2731.2	2629.8	2474.7
22°	3326.6	3307.8	3274.1	3227.1	3151.8	3060.4	3027.0	2900.0	2800.3	2688.6	2532.6
23°	3473.4	3429.3	3392.7	3335.1	3246.6	3143.0	3098.0	2961.0	2856.0	2739.7	2580.8
24°	3589.8	3544.9	3502.0	3432.0	3332.1	3217.1	3159.6	3013.8	2906.7	2780.8	2620.3
25°	3661.0	3637.8	3592.7	3513.0	3404.8	3279.2	3211.7	3057.2	2940.1	2815.3	2653.0
26°	3712.0	3687.7	3648.8	3565.4	3462.1	3334.2	3252.1	3093.6	2972.4	2837.6	2674.8
27°	3710.1	3695.4	3662.8	3589.5	3502.3	3372.4	3285.9	3117.7	2989.3	2849.0	2683.1
28°	3661.0	3661.0	3646.2	3586.8	3511.9	3389.4	3297.9	3122.1	2991.1	2846.5	2677.7
29°	3616.2	3604.7	3607.7	3561.2	3497.3	3377.6	3289.1	3109.3	2977.4	2829.9	2661.0
30°	3552.6	3549.4	3562.2	3524.9	3471.9	3352.6	3260.8	3082.5	2950.7	2802.8	2634.7
31°	3513.0	3504.3	3516.8	3485.6	3427.5	3305.3	3217.9	3044.0	2915.5	2768.0	2602.4
32°	3483.4	3472.7	3487.3	3447.0	3383.8	3263.1	3169.9	3001.8	2869.6	2729.4	2561.3
33°	3465.4	3462.1	3467.5	3412.9	3331.7	3205.8	3121.4	2956.5	2825.6	2686.1	2516.2
34°	3462.1	3455.1	3445.5	3367.0	3279.2	3151.5	3066.8	2906.4	2778.2	2635.0	2461.1
35°	3438.1	3422.7	3401.1	3303.4	3205.1	3082.8	3002.9	2848.2	2718.8	2574.1	2392.8
36°	3376.5	3350.5	3327.0	3225.2	3123.2	3009.0	2933.8	2782.6	2653.5	2504.0	2314.6
37°	3257.9	3249.1	3220.6	3133.8	3040.5	2930.9	2858.2	2713.9	2580.4	2423.6	2227.3
38°	3155.2	3145.6	3119.2	3041.1	2956.2	2850.8	2778.7	2625.5	2498.2	2333.3	2131.8
39°	3050.8	3042.5	3022.3	2937.2	2863.4	2764.2	2691.9	2539.0	2408.5	2233.2	2026.5
40°	2952.6	2944.0	2925.8	2841.3	2768.4	2674.0	2600.6	2444.6	2321.9	2124.1	1905.7
42.5°	2701.8	2673.2	2649.7	2568.7	2503.3	2405.3	2326.0	2165.6	1993.9	1784.2	1565.1
45°	2295.1	2259.5	2231.6	2179.6	2108.4	2032.8	1925.6	1752.3	1574.7	1372.1	1073.6
47.5°	1432.9	1383.1	1351.2	1291.7	1211.6	1159.8	1131.6	1040.2	919.2	829.5	602.7
50°	853.3	816.7	789.9	703.7	642.7	567.1	495.1	362.2	290.8	219.9	182.0
51°	613.7	583.6	567.8	496.6	450.4	396.4	345.8	252.2	202.9	153.5	126.7
52°	355.4	332.2	331.4	285.6	267.5	245.5	210.0	166.3	142.1	111.3	95.1
53°	165.2	151.5	154.2	132.9	125.9	123.0	121.9	96.9	94.7	83.0	70.1
54°	74.2	67.8	63.5	61.4	59.5	60.2	61.7	55.7	53.6	52.1	47.7
55°	37.1	33.7	31.9	33.7	30.2	30.5	31.6	29.4	28.7	28.7	28.0
57.5°	8.1	7.7	7.7	8.1	7.7	7.7	8.1	8.1	8.1	7.7	7.7
60°	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.5	2.9	2.9



TEST NUMBER: P1219583

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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
64°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
66°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
77.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7
80°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.7
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°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	125.2	122.3	122.6	120.3	118.9	117.8	118.9	115.6	114.9	111.6	109.7
5°	178.8	171.7	169.5	164.4	158.6	155.7	154.5	148.3	145.0	138.7	135.1
7.5°	295.5	273.4	260.6	245.5	227.2	218.1	206.3	195.0	182.4	170.7	162.6
10°	642.7	572.6	520.2	466.1	393.0	356.4	309.4	274.9	240.4	213.2	196.4
11°	851.6	762.4	691.5	616.7	519.7	467.2	398.6	342.2	282.3	240.8	213.6
12°	1077.8	970.8	883.5	785.8	667.4	596.9	511.0	436.1	352.8	288.9	242.2
13°	1305.6	1183.0	1082.0	963.9	829.2	738.5	637.2	544.8	440.4	359.0	291.5
14°	1526.2	1391.4	1279.5	1142.3	996.2	886.7	771.5	660.7	537.7	438.7	353.9
15°	1723.3	1580.8	1463.8	1315.5	1162.1	1035.5	906.3	777.4	649.4	523.1	422.1
17.5°	2062.4	1912.7	1797.4	1641.4	1489.9	1345.6	1197.7	1030.3	872.1	715.4	596.1
20°	2319.1	2138.4	2000.3	1815.8	1642.9	1480.3	1323.9	1153.3	996.9	827.7	691.9
21°	2384.4	2197.1	2056.3	1871.2	1684.7	1513.0	1348.5	1169.4	1007.2	836.6	701.5
22°	2439.7	2251.8	2101.0	1906.8	1716.3	1534.6	1363.6	1175.3	1006.5	830.2	694.4
23°	2482.0	2290.7	2137.3	1937.9	1741.0	1550.4	1370.5	1172.8	997.7	817.4	678.4
24°	2522.0	2326.3	2166.3	1957.5	1755.2	1553.0	1366.9	1162.5	983.0	798.0	656.7
25°	2547.8	2350.3	2182.1	1967.0	1755.9	1546.0	1354.8	1145.1	960.5	771.5	628.4
26°	2566.0	2361.6	2187.6	1963.7	1750.1	1532.1	1335.7	1119.6	929.8	738.8	595.7
27°	2569.0	2360.9	2180.7	1952.4	1730.7	1505.6	1304.9	1083.5	890.1	701.1	560.0
28°	2558.0	2347.3	2163.0	1930.3	1703.4	1470.5	1264.8	1040.2	846.1	659.3	520.9
29°	2538.5	2324.5	2132.9	1894.4	1660.9	1423.0	1216.8	989.9	796.5	611.8	477.5
30°	2507.8	2291.4	2094.4	1852.1	1612.0	1369.5	1161.1	931.2	735.9	553.9	421.0
31°	2470.6	2248.9	2042.2	1794.2	1550.8	1306.3	1096.4	853.0	658.1	480.9	353.5
32°	2422.6	2194.9	1982.4	1729.9	1482.1	1234.0	1008.0	753.2	565.7	396.0	280.5
33°	2369.3	2135.1	1911.2	1646.9	1405.9	1137.1	891.9	640.1	462.5	306.5	206.3
34°	2303.6	2063.5	1835.6	1562.6	1307.7	1011.2	743.0	518.2	356.1	219.1	140.2
35°	2227.6	1981.0	1743.9	1463.1	1176.0	866.2	604.2	412.2	254.7	146.1	102.0
36°	2139.2	1891.4	1646.6	1334.2	1026.0	714.7	470.2	302.1	174.4	111.3	87.7
37°	2043.8	1791.3	1516.2	1199.8	864.8	565.2	349.8	212.5	131.8	98.7	75.9
38°	1936.5	1684.4	1368.7	1033.2	702.9	427.2	250.0	158.6	113.5	85.9	65.0
39°	1818.0	1552.6	1199.8	857.8	546.9	307.9	190.5	130.3	98.0	74.2	56.2
40°	1686.7	1366.9	1016.0	684.5	406.7	222.0	155.3	112.7	85.5	63.5	47.7
42.5°	1249.0	906.6	559.0	323.0	192.0	138.3	103.2	79.4	56.2	38.2	24.5
45°	750.6	462.8	245.1	167.8	121.6	92.9	66.4	45.9	26.8	16.5	11.3
47.5°	335.5	193.4	137.3	108.3	78.5	55.4	32.3	19.4	12.1	8.4	6.2
50°	130.6	106.1	81.8	62.4	37.9	22.0	13.9	9.2	6.2	4.4	2.9
51°	101.0	82.3	63.9	45.9	25.3	15.4	10.3	7.0	4.7	3.2	2.2
52°	77.4	63.1	48.2	30.9	17.3	11.8	8.1	5.1	3.6	2.2	1.8
53°	56.9	48.5	33.4	21.6	12.5	8.8	6.2	4.0	2.5	1.8	1.5
54°	39.3	33.4	21.3	13.5	9.2	6.7	4.4	2.9	1.8	1.5	1.5
55°	23.8	20.9	13.9	9.9	6.7	4.7	3.2	2.2	1.5	1.0	1.0
57.5°	7.4	6.7	5.5	4.4	2.9	2.2	1.5	1.0	1.0	1.0	1.0
60°	2.5	2.5	2.2	1.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1219583

CATALOG NUMBER: LDSQA6A10950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
64°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.5
65°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.5
66°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.5
67.5°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.5
70°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.5	1.5
72.5°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.5	1.5
75°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
77.5°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.5	1.5	1.5
87.5°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.5	1.5	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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219583

CATALOG NUMBER: LDSQA6A10950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	108.3	106.4	104.9	103.5	101.7	100.6	99.4	97.2	96.2	93.6	91.8
5°	130.9	127.0	123.0	118.9	115.2	112.3	109.3	105.4	102.4	98.0	94.3
7.5°	153.8	145.7	138.3	132.2	125.5	120.8	115.2	109.3	104.2	98.3	92.9
10°	179.5	164.4	151.9	140.9	131.5	123.8	116.4	108.3	102.0	94.3	88.1
11°	190.5	172.4	157.1	143.9	132.9	124.1	115.6	106.8	99.8	92.1	85.2
12°	206.6	180.2	162.2	146.8	133.6	123.8	114.5	104.9	97.7	89.6	82.6
13°	233.8	194.2	167.3	148.6	134.7	123.0	112.7	102.4	94.7	86.2	78.9
14°	279.0	218.8	178.0	151.9	134.7	122.3	110.6	99.4	91.1	82.6	75.2
15°	334.0	258.9	198.5	158.9	134.4	120.8	108.3	96.5	87.4	78.5	70.5
17.5°	475.0	374.4	286.6	210.7	154.2	118.1	100.3	86.6	76.6	66.8	59.5
20°	559.3	444.8	346.5	258.9	186.2	129.6	93.3	75.6	65.0	56.2	49.2
21°	569.6	454.1	353.2	264.6	189.8	130.9	91.1	70.8	60.2	51.4	45.1
22°	566.4	451.5	350.2	261.4	186.2	127.7	86.9	66.4	55.7	47.4	41.1
23°	550.2	437.2	336.2	248.1	176.2	120.0	81.1	61.7	51.4	43.3	37.4
24°	526.7	413.3	314.9	228.7	158.6	106.4	72.7	56.5	46.9	39.6	34.8
25°	498.8	386.2	288.1	206.6	137.6	91.4	63.9	51.4	42.5	35.9	31.9
26°	467.7	356.8	260.3	181.7	115.6	76.6	56.5	46.6	38.2	32.3	29.0
27°	434.2	324.9	230.9	154.5	96.2	65.3	51.1	41.5	34.4	29.7	26.5
28°	398.6	293.0	199.0	128.9	79.7	57.2	45.9	37.1	30.9	26.8	24.2
29°	358.6	255.4	168.1	105.4	65.6	50.6	40.8	33.0	28.0	24.5	22.4
30°	308.3	213.2	134.7	84.8	56.5	45.1	36.3	29.7	25.3	22.8	20.6
31°	251.1	165.9	102.4	67.1	49.2	40.0	32.3	26.8	23.1	20.9	18.7
32°	189.8	120.8	76.3	55.7	43.3	35.2	28.7	24.2	21.3	18.7	17.3
33°	133.6	86.2	61.7	48.5	37.9	30.9	25.7	22.0	19.4	17.0	15.4
34°	91.8	69.4	53.6	41.8	33.0	27.6	23.1	19.9	17.3	15.0	13.5
35°	77.4	60.6	46.2	35.9	28.7	24.2	20.6	17.7	15.0	13.2	11.8
36°	66.8	52.5	39.6	31.6	25.0	20.9	18.0	15.0	12.8	11.0	10.3
37°	57.6	45.1	34.1	27.2	21.3	17.7	14.7	12.5	11.0	9.6	8.8
38°	49.9	38.2	29.0	23.1	17.7	14.2	12.1	10.3	9.2	8.1	7.4
39°	42.5	31.9	23.5	18.4	13.9	11.8	9.9	8.8	7.7	7.0	6.2
40°	35.2	25.3	18.0	14.2	11.0	9.6	8.1	7.4	6.2	5.9	5.5
42.5°	16.5	12.1	9.6	8.1	6.7	5.9	5.1	4.4	4.0	3.6	3.6
45°	8.4	7.0	5.1	4.4	3.6	3.2	2.9	2.5	2.5	2.5	2.5
47.5°	4.4	3.2	2.5	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
50°	2.2	1.5	1.5	1.5	1.0	1.5	1.5	1.5	1.5	1.8	1.8
51°	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.8	1.8
52°	1.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.8	1.8
53°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.8	1.8
54°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.8	1.8
55°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.8
57.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.8
60°	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.8



TEST NUMBER: P1219583

CATALOG NUMBER: LDSQA6A10950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
64°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
66°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8
72.5°	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8
75°	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1219583

CATALOG NUMBER: LDSQA6A10950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
2.5°	91.8	88.4	88.8	86.9	72.7	65.0	60.9	58.0
5°	92.6	87.7	86.6	83.7	60.6	51.8	48.2	46.2
7.5°	90.0	83.7	81.5	77.4	51.4	43.3	40.4	38.9
10°	84.0	77.1	73.4	68.6	44.0	37.4	34.4	33.4
11°	81.1	73.7	70.1	65.3	41.5	35.2	32.7	31.6
12°	77.8	70.1	66.8	61.7	38.9	33.0	30.9	29.7
13°	74.2	66.4	63.1	58.4	36.3	31.2	29.4	28.3
14°	69.8	62.8	59.5	55.0	34.1	29.4	28.0	27.2
15°	65.6	59.2	55.4	51.1	32.3	28.0	26.8	26.0
17.5°	55.0	49.2	46.2	42.5	27.2	23.8	23.8	23.5
20°	45.1	40.0	37.9	34.8	22.8	20.9	21.3	21.3
21°	41.5	37.1	34.8	32.3	21.6	19.9	20.6	20.6
22°	37.9	33.7	32.3	29.7	20.2	18.7	19.9	19.9
23°	34.8	30.9	29.7	27.6	18.7	18.0	19.1	19.1
24°	31.9	28.7	27.2	25.3	17.7	17.0	18.4	18.7
25°	29.4	26.0	25.0	23.5	16.5	16.2	17.7	18.0
26°	26.8	23.8	23.1	21.6	15.4	15.4	17.0	17.7
27°	24.5	22.4	21.3	19.9	14.2	14.7	16.5	17.0
28°	22.8	20.6	19.4	18.4	13.2	13.9	15.8	16.5
29°	20.9	18.7	18.0	17.0	12.5	13.2	15.0	16.2
30°	19.1	17.3	16.5	15.4	11.8	12.5	14.7	15.8
31°	17.7	15.8	15.0	13.9	11.0	12.1	13.9	15.0
32°	15.8	14.2	13.5	12.8	10.3	11.3	13.5	14.7
33°	14.2	12.5	12.1	11.3	9.9	11.0	13.2	13.9
34°	12.5	11.0	10.6	10.3	9.2	10.3	12.5	13.5
35°	10.6	9.9	9.6	9.2	8.4	9.9	12.1	13.2
36°	9.6	8.4	8.4	8.1	8.1	9.6	11.8	12.8
37°	8.1	7.7	7.4	7.4	7.4	8.8	11.0	12.5
38°	7.0	6.7	6.7	6.7	7.0	8.4	10.6	12.1
39°	5.9	5.9	5.9	5.9	6.7	8.1	10.3	11.8
40°	5.1	5.1	5.1	5.1	6.2	7.7	9.9	11.3
42.5°	3.6	3.6	3.6	4.0	5.1	7.0	8.8	10.6
45°	2.9	2.9	2.9	3.2	4.7	6.2	8.1	9.6
47.5°	2.2	2.2	2.5	2.9	4.0	5.5	7.4	8.8
50°	1.8	2.2	2.2	2.5	3.6	5.1	6.2	7.7
51°	1.8	1.8	2.2	2.2	3.2	4.7	5.9	7.4
52°	1.8	1.8	2.2	2.2	3.2	4.4	5.9	6.7
53°	1.8	1.8	2.2	2.2	3.2	4.4	5.5	6.2
54°	1.8	1.8	2.2	2.2	2.9	4.0	5.1	5.9
55°	1.8	1.8	2.2	2.2	2.9	4.0	5.1	5.1
57.5°	1.8	1.8	1.8	2.2	2.5	3.6	4.4	4.4
60°	1.8	1.8	1.8	1.8	2.5	3.2	4.0	2.9



TEST NUMBER: P1219583

CATALOG NUMBER: LDSQA6A10950D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	1.8	1.8	1.8	1.8	2.2	2.9	3.2	2.2
64°	1.8	1.8	1.8	2.2	2.2	2.9	2.9	2.2
65°	1.8	1.8	1.8	1.8	2.2	2.5	2.9	2.2
66°	1.8	1.8	1.8	1.8	2.2	2.5	2.5	2.2
67.5°	1.8	1.8	1.8	1.8	2.2	2.5	2.5	1.8
70°	1.8	1.8	1.8	1.8	2.2	2.2	2.2	1.8
72.5°	1.8	1.8	1.8	1.8	1.8	2.2	1.8	1.5
75°	1.8	1.8	2.2	2.2	1.8	1.8	1.5	1.5
77.5°	1.8	1.8	2.2	2.2	1.8	1.8	1.5	1.0
80°	1.8	1.8	2.2	2.2	1.8	1.5	1.0	1.0
82.5°	1.8	1.8	2.2	2.2	1.8	1.5	1.0	0.7
85°	1.8	1.8	2.2	2.2	1.8	1.5	0.7	0.7
87.5°	1.8	1.8	2.2	2.2	1.8	1.0	0.7	0.3
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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Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.8	1.8
62°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



61°	1.8	1.8	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
62°	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



61°	1.8	1.8	1.8	1.8	2.5	3.2	3.6	2.5
62°	1.8	1.8	1.8	1.8	2.5	3.2	3.2	2.5

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)