

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: P1219599

Luminaire Tested: **LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1219599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29056)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 20° NARROW FLOOD, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

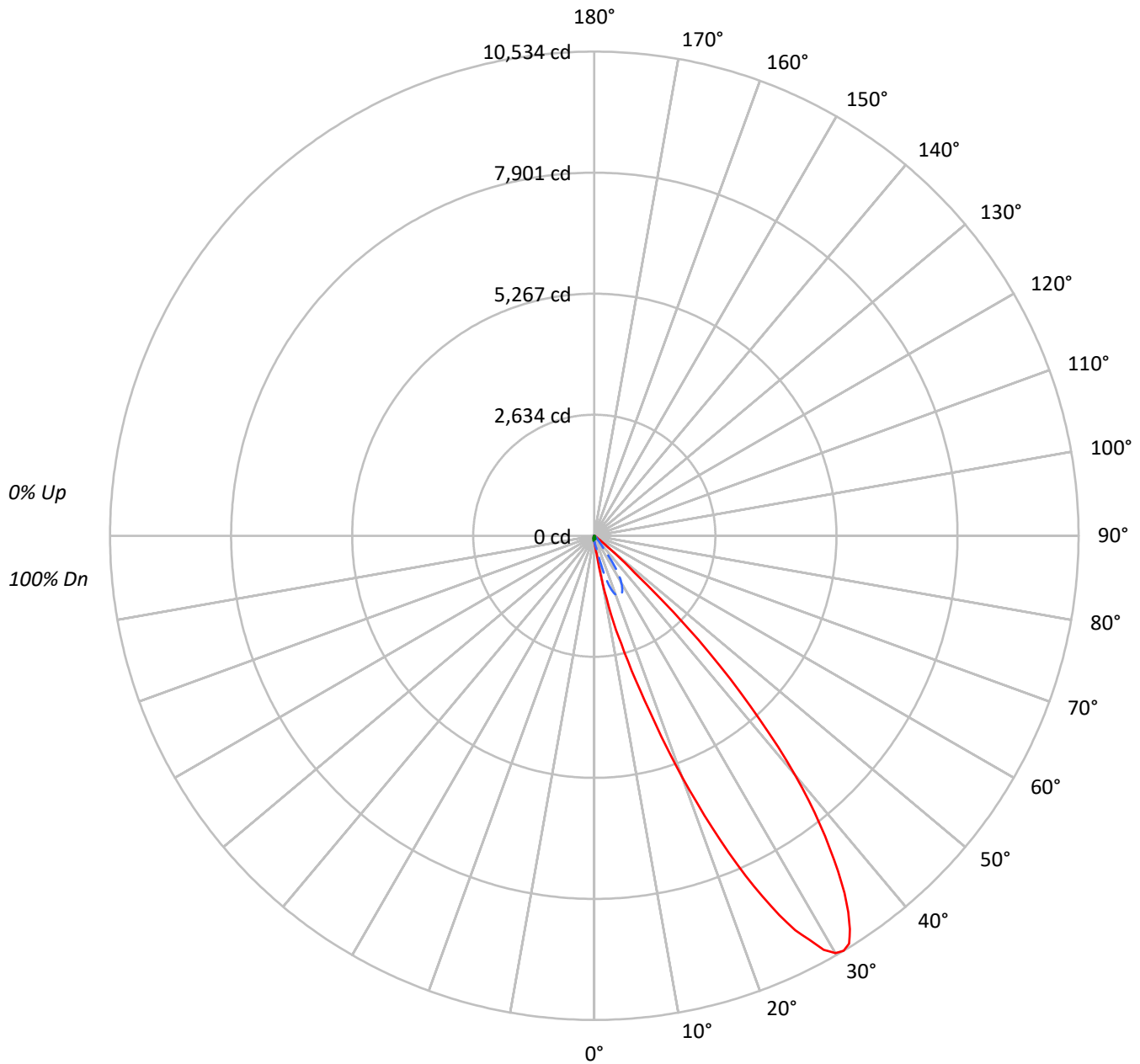
Lumens per Lamp: N/A
Luminaire Lumens: 1838.4 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.38 / 0.63 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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
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	75	71		79	74	70			77	73	69			75
5	86	76	69	63	84	75	68	63		73	67	62			71	66	62			69
6	80	69	62	57	78	68	61	56		67	61	56			65	60	56			64
7	75	63	56	51	73	63	56	51		61	55	50			60	54	50			59
8	70	58	51	46	68	57	50	46		56	50	45			55	49	45			54
9	65	53	46	41	64	53	46	41		52	45	41			51	45	41			50
10	61	49	42	37	60	48	42	37		48	41	37			47	41	37			46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	5339	5339	5339
5°	10654	5178	3501
10°	47917	4529	2619
15°	125606	3704	2104
20°	255743	2809	1778
25°	411517	2076	1506
30°	521237	1467	1332
35°	498617	962	1183
40°	382319	596	1113
45°	194440	384	1035
50°	29814	281	898
55°	3918	263	631
60°	422	241	422
65°	71	285	357
70°	88	441	441
75°	0	582	366
80°	0	694	347
85°	0	1383	346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.9
10°-20°	181.8	9.9
20°-30°	595.2	32.4
30°-40°	724.5	39.4
40°-50°	294.3	16.0
50°-60°	17.5	1.0
60°-70°	3.4	0.2
70°-80°	3.0	0.2
80°-90°	2.1	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°	793.5	43.2
0°-40°	1518.0	82.6
0°-60°	1829.8	99.5
0°-90°	1838.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	246	188	120	89	81	47
15°	2818	940	83	51	47	917
25°	8662	1398	44	30	32	3981
35°	9486	558	18	18	22	5737
45°	3193	63	6	11	17	2450
55°	52	6	4	8	8	90
65°	1	2	3	5	4	1
75°	0	2	4	4	2	0
85°	0	2	3	3	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°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	174.7	166.9	170.5	169.8	166.9	167.6	169.0	166.3	167.6	163.4	164.1
5°	246.5	235.2	241.6	234.5	238.1	234.5	234.5	230.3	226.8	226.1	222.6
7.5°	430.4	402.9	411.3	381.1	385.9	376.1	367.0	357.0	340.2	331.8	313.5
10°	1096.0	1018.4	1036.7	970.5	969.1	945.9	902.9	873.4	810.7	766.4	702.9
11°	1386.0	1333.2	1349.5	1276.9	1273.4	1241.8	1191.0	1112.1	1076.9	1017.7	938.8
12°	1765.0	1676.2	1686.0	1606.5	1598.8	1556.6	1499.5	1402.3	1360.0	1288.2	1195.3
13°	2109.4	2030.6	2031.2	1944.6	1935.4	1881.9	1819.2	1701.6	1654.4	1574.1	1462.2
14°	2425.6	2365.8	2353.7	2307.2	2257.9	2195.3	2129.1	1996.0	1943.9	1853.7	1725.6
15°	2817.9	2701.0	2677.8	2619.3	2559.4	2480.6	2399.6	2247.4	2189.6	2090.3	1962.9
17.5°	3975.1	3830.7	3767.3	3648.3	3535.6	3384.3	3208.8	2939.0	2806.0	2627.8	2428.4
20°	5581.6	5354.1	5226.7	5035.8	4854.0	4606.2	4303.3	3878.6	3681.4	3336.2	3009.6
21°	6217.5	6021.8	5862.0	5647.2	5432.2	5138.6	4778.7	4329.3	4025.1	3621.5	3238.5
22°	6859.9	6674.0	6487.4	6251.4	6011.3	5668.2	5253.4	4732.2	4366.8	3895.5	3453.8
23°	7492.4	7303.6	7160.0	6836.8	6563.4	6176.8	5716.9	5121.0	4696.3	4156.2	3656.7
24°	8099.5	7893.2	7714.2	7388.2	7079.1	6648.6	6153.5	5498.5	5014.6	4404.8	3844.9
25°	8662.3	8434.7	8215.1	7879.8	7543.8	7074.1	6538.8	5840.1	5304.8	4630.2	4016.0
26°	9180.0	8869.3	8630.5	8320.6	7938.9	7445.9	6877.5	6135.2	5554.8	4818.1	4150.4
27°	9628.6	9314.4	9040.5	8708.8	8282.7	7751.6	7157.1	6347.2	5752.8	4959.0	4244.2
28°	9954.7	9689.2	9373.6	9016.5	8548.2	7962.2	7346.6	6516.2	5871.7	5032.2	4282.8
29°	10300.5	9998.4	9630.7	9225.0	8715.1	8094.6	7450.9	6604.3	5921.0	5049.2	4275.1
30°	10484.2	10206.0	9773.6	9331.3	8787.0	8136.9	7473.4	6617.6	5905.6	5008.3	4224.4
31°	10533.6	10273.6	9794.8	9333.5	8764.4	8095.3	7417.7	6548.7	5821.7	4913.3	4130.0
32°	10462.5	10202.5	9705.3	9243.3	8660.9	7979.1	7295.2	6425.3	5685.2	4771.0	3995.6
33°	10206.9	9996.3	9516.5	9072.2	8503.0	7806.4	7115.0	6224.6	5472.5	4586.4	3833.5
34°	9880.0	9683.5	9241.2	8785.5	8253.0	7569.8	6866.3	5981.7	5228.1	4359.7	3641.2
35°	9486.4	9292.6	8884.8	8431.9	7922.1	7255.0	6547.9	5676.7	4939.3	4103.3	3427.8
36°	9022.2	8820.7	8444.0	8012.9	7548.7	6874.7	6171.2	5326.0	4611.0	3824.4	3199.7
37°	8511.6	8308.7	7972.1	7572.8	7113.5	6446.4	5749.2	4939.3	4264.5	3535.0	2960.9
38°	7972.7	7784.0	7478.3	7079.7	6625.4	5970.4	5288.0	4585.7	3911.8	3241.9	2719.4
39°	7419.9	7221.2	6933.3	6541.6	6095.0	5448.6	4806.9	4179.3	3607.4	2953.8	2497.5
40°	6802.2	6614.9	6281.0	5974.0	5526.0	4910.4	4325.2	3730.7	3269.4	2677.1	2296.0
42.5°	5031.5	4885.1	4706.8	4392.0	4061.0	3619.5	3210.3	2798.2	2463.0	2127.0	1847.4
45°	3193.3	3085.6	2994.0	2798.2	2664.4	2415.8	2204.5	1993.9	1835.4	1659.4	1348.8
47.5°	1181.9	1131.1	1098.8	1012.9	1005.0	925.4	917.7	1019.1	1079.0	1015.6	764.2
50°	445.1	432.4	424.7	397.9	379.6	343.0	315.5	295.2	253.6	224.6	201.3
51°	292.3	283.1	269.8	267.6	259.9	239.4	226.8	222.6	194.4	164.1	140.8
52°	186.0	180.2	171.8	172.5	168.3	155.7	151.4	157.8	143.0	126.0	109.2
53°	116.9	114.1	108.5	108.5	107.7	99.3	97.9	103.6	100.7	93.0	83.1
54°	76.0	75.4	70.4	71.1	71.1	66.2	65.4	67.6	67.0	64.1	59.2
55°	52.2	51.4	50.6	48.7	47.2	45.8	45.8	46.5	45.8	44.3	41.6
57.5°	18.3	17.6	18.3	17.6	17.6	18.3	17.6	19.0	19.8	19.8	18.3
60°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.3	7.1	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
63°	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	1.4	1.4	1.4
64°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
66°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	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°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	161.9	162.8	160.0	159.2	158.4	154.9	152.9	150.7	148.6	145.1	146.5
5°	216.9	216.9	210.6	206.3	204.3	196.5	193.0	188.1	182.4	178.2	176.1
7.5°	302.8	297.9	283.9	273.3	267.0	251.4	242.3	228.9	221.2	212.8	207.8
10°	642.3	609.2	540.2	490.9	444.4	388.1	336.6	296.5	270.5	251.4	239.4
11°	865.6	821.9	733.9	665.5	605.0	524.7	445.8	370.4	316.3	283.1	258.4
12°	1110.7	1054.4	948.7	864.1	790.2	689.5	588.8	489.5	411.3	349.3	298.7
13°	1365.6	1293.1	1170.6	1073.4	988.2	871.9	752.2	633.2	538.1	453.5	376.9
14°	1618.4	1529.7	1395.3	1283.3	1187.5	1057.9	922.0	789.5	678.3	571.9	478.2
15°	1848.2	1750.8	1632.6	1486.1	1382.6	1216.4	1088.2	939.5	812.8	689.5	580.4
17.5°	2260.1	2129.1	1989.6	1838.3	1739.6	1575.5	1412.8	1233.2	1079.6	927.0	780.4
20°	2713.0	2479.2	2249.5	2024.2	1881.3	1706.5	1547.3	1369.9	1207.9	1034.7	875.5
21°	2891.2	2623.6	2343.8	2091.1	1929.1	1742.4	1577.7	1393.8	1223.5	1038.9	871.2
22°	3060.2	2740.4	2426.4	2147.4	1970.7	1779.8	1602.3	1409.3	1227.6	1034.0	858.5
23°	3214.4	2853.1	2502.4	2196.7	2000.9	1798.2	1614.9	1415.6	1225.4	1022.6	839.5
24°	3354.5	2956.7	2567.2	2233.3	2019.3	1803.7	1613.6	1410.8	1214.9	1005.8	813.5
25°	3475.7	3038.4	2614.4	2253.1	2024.2	1800.9	1606.5	1398.1	1193.8	976.9	783.1
26°	3567.3	3090.6	2637.0	2255.9	2017.2	1791.8	1590.3	1374.8	1160.6	938.2	742.4
27°	3620.1	3109.5	2637.0	2243.9	2003.0	1774.9	1564.3	1338.9	1117.7	890.2	691.7
28°	3629.3	3101.0	2617.9	2219.4	1976.2	1745.3	1526.2	1293.1	1067.0	833.1	636.0
29°	3605.4	3067.3	2577.1	2177.0	1936.8	1707.3	1477.0	1235.3	1006.5	770.5	578.2
30°	3546.2	3005.3	2516.5	2123.5	1889.7	1657.2	1414.9	1171.2	938.2	705.7	512.0
31°	3453.8	2915.8	2439.0	2058.8	1831.2	1597.3	1346.6	1097.3	861.3	625.5	440.1
32°	3331.3	2790.5	2353.1	1984.7	1766.4	1529.0	1261.4	1003.0	759.9	527.6	357.0
33°	3187.1	2667.9	2257.3	1905.2	1695.9	1435.4	1143.8	862.1	636.0	418.4	270.5
34°	3022.1	2536.1	2154.5	1821.4	1603.7	1298.1	997.3	717.0	500.0	305.8	190.8
35°	2839.7	2396.1	2046.7	1722.7	1457.9	1130.5	829.6	558.5	362.0	207.1	143.6
36°	2645.3	2239.0	1923.5	1581.8	1283.3	942.3	652.2	402.2	240.1	154.2	124.0
37°	2462.3	2102.4	1796.0	1405.1	1086.1	745.9	476.1	268.3	175.3	134.6	109.9
38°	2289.7	1970.7	1629.7	1209.3	883.2	559.2	313.5	197.9	152.2	118.4	97.1
39°	2128.4	1838.3	1435.4	999.4	680.4	394.4	227.6	169.8	132.4	104.9	85.9
40°	1972.7	1648.8	1223.5	814.8	495.9	275.4	191.6	150.0	116.9	92.2	72.5
42.5°	1479.7	1059.3	677.6	371.2	233.1	179.6	136.7	105.7	77.5	57.1	43.7
45°	928.9	538.8	290.8	208.4	162.8	121.8	88.7	63.4	46.5	34.5	27.5
47.5°	422.6	231.7	180.2	139.5	104.9	72.5	52.2	38.1	28.2	21.8	16.2
50°	154.9	131.8	107.0	79.6	57.7	41.6	30.3	22.5	17.0	12.7	9.2
51°	121.2	105.7	85.3	59.9	45.8	33.8	24.6	18.3	13.4	9.9	7.1
52°	95.2	83.7	65.4	46.5	35.9	26.8	19.8	14.0	9.9	7.7	5.7
53°	73.3	64.1	49.3	35.9	28.2	21.1	15.5	11.2	7.7	5.7	4.2
54°	54.2	47.2	36.6	27.5	21.8	16.2	11.2	8.4	5.7	4.2	3.5
55°	38.8	34.5	27.5	21.8	17.0	12.7	8.4	6.3	4.2	2.8	2.8
57.5°	16.2	15.5	12.7	10.6	8.4	6.3	4.2	2.8	2.8	2.2	2.8
60°	6.3	6.3	5.7	4.2	3.5	2.8	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P1219599

CATALOG NUMBER: LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
63°	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8
64°	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.2	2.8
65°	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.8
66°	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.2	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.8	2.8
72.5°	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8	2.8	2.8
75°	0.7	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8	2.8	2.8
77.5°	0.7	1.4	1.4	1.4	2.2	2.2	2.2	2.2	2.8	2.8	2.8
80°	0.7	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8	2.8	2.8
82.5°	0.7	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8	2.8	2.8
85°	0.7	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8	2.8	2.8
87.5°	0.7	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8	2.8	2.8
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: P1219599

CATALOG NUMBER: LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	144.4	144.4	139.5	138.1	137.3	135.9	132.4	132.4	130.2	127.5	126.0
5°	171.2	169.8	161.9	157.8	154.2	150.0	143.0	140.1	135.9	131.8	128.2
7.5°	197.2	192.3	180.2	174.0	169.0	161.9	152.9	146.5	139.5	132.4	127.5
10°	223.3	213.4	196.5	186.0	176.8	166.9	155.7	148.6	139.5	130.2	123.3
11°	233.8	221.2	202.2	188.8	178.2	166.9	155.7	146.5	138.1	128.9	121.2
12°	254.3	230.3	207.8	193.0	179.6	166.9	154.2	144.4	135.2	126.0	118.4
13°	295.8	251.4	214.1	196.5	181.7	166.9	152.9	142.3	132.4	123.3	114.8
14°	371.2	295.2	231.1	200.0	182.4	166.9	151.4	138.7	128.9	119.0	111.3
15°	456.5	362.0	265.5	212.8	183.0	165.5	148.6	135.2	124.7	114.8	107.0
17.5°	633.2	506.4	376.1	276.0	200.7	161.3	138.1	124.7	112.7	102.9	93.6
20°	705.0	557.8	411.3	295.8	207.8	154.2	126.0	111.9	99.3	89.4	81.7
21°	695.9	547.9	400.7	282.5	194.4	144.4	119.8	106.4	94.3	83.7	76.9
22°	676.9	524.7	376.1	257.7	178.2	134.6	114.1	100.0	88.7	78.8	71.9
23°	651.5	491.6	347.9	231.7	161.3	125.3	108.5	94.3	83.7	73.9	67.6
24°	619.8	458.4	315.5	205.7	145.1	118.4	102.1	88.7	78.2	69.8	63.4
25°	584.6	424.0	281.0	183.8	135.2	111.3	95.2	82.4	73.3	65.4	59.2
26°	541.6	383.1	248.7	163.4	123.3	103.6	88.1	76.9	68.3	61.3	54.9
27°	492.3	340.8	212.8	142.3	113.5	95.8	81.7	71.9	64.1	57.1	50.6
28°	447.9	293.7	182.4	126.7	105.7	88.1	76.0	67.0	59.9	52.8	47.2
29°	392.3	248.7	155.7	114.8	97.1	82.4	70.4	62.0	54.9	47.8	43.0
30°	336.6	205.7	133.1	104.9	88.7	75.4	64.8	57.1	50.0	44.3	40.1
31°	278.9	170.5	116.9	96.5	81.0	69.8	59.9	52.8	45.8	40.8	36.6
32°	213.4	139.5	104.2	87.3	73.9	62.7	54.9	47.8	41.6	37.2	33.1
33°	160.6	117.6	94.3	78.8	67.0	57.7	50.0	43.0	38.1	33.8	30.3
34°	128.2	104.9	85.3	71.1	60.5	52.2	44.3	38.8	33.8	30.3	26.8
35°	112.7	94.3	76.0	64.1	54.2	45.8	39.4	34.5	30.3	26.8	24.0
36°	100.0	84.6	67.6	57.1	47.2	40.1	34.5	30.3	26.0	23.3	21.1
37°	89.4	74.7	59.9	49.3	40.8	35.3	30.3	26.0	22.5	20.5	19.0
38°	80.3	64.1	50.6	42.2	35.3	30.3	26.0	22.5	19.8	17.6	16.2
39°	68.3	54.2	42.2	35.9	29.5	25.4	21.8	19.8	17.0	15.5	14.0
40°	57.1	45.1	35.3	29.5	25.4	21.1	19.0	16.2	14.8	13.4	12.0
42.5°	35.3	28.2	22.5	19.0	16.2	14.0	12.7	11.2	9.9	9.2	8.4
45°	21.8	17.6	14.0	12.0	9.9	9.2	8.4	7.1	7.1	6.3	6.3
47.5°	12.7	10.6	7.7	7.1	5.7	5.7	4.9	4.9	4.2	4.9	4.2
50°	7.1	4.9	4.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
51°	5.7	4.2	3.5	2.8	2.8	2.8	2.8	2.8	2.8	3.5	3.5
52°	4.2	3.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
53°	3.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
54°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8	2.2	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.2	2.2	2.8	2.2	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



TEST NUMBER: P1219599

CATALOG NUMBER: LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
64°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
66°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	3.5	3.5	3.5	3.5	2.8	2.8	2.8	2.8
72.5°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.8
75°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
87.5°	2.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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: P1219599

CATALOG NUMBER: LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	125.3	125.3	124.7	123.3	112.7	103.6	97.9	97.1
5°	126.0	124.7	121.8	119.8	100.7	88.7	81.7	81.0
7.5°	123.3	120.4	116.9	112.7	89.4	76.9	70.4	69.0
10°	118.4	113.5	109.2	103.6	78.8	67.0	61.3	59.9
11°	114.8	109.9	105.7	100.0	74.7	63.4	57.7	57.1
12°	111.9	106.4	100.7	95.8	70.4	59.9	54.9	54.2
13°	107.7	102.1	97.1	91.6	67.0	57.1	52.2	51.4
14°	104.2	97.9	93.0	88.1	63.4	53.6	50.0	49.3
15°	100.0	93.6	88.1	83.1	59.9	50.6	47.8	47.2
17.5°	88.7	81.7	76.9	71.9	51.4	44.3	42.2	43.0
20°	75.4	69.8	65.4	61.3	43.7	38.8	38.1	38.8
21°	70.4	65.4	62.0	57.7	40.8	36.6	36.6	37.2
22°	66.2	61.3	57.7	53.6	38.8	34.5	34.5	35.9
23°	62.0	57.1	53.6	50.0	35.9	33.1	33.1	34.5
24°	57.7	53.6	50.0	46.5	33.8	31.0	31.7	33.1
25°	53.6	50.0	46.5	43.7	31.7	29.5	30.3	31.7
26°	50.6	46.5	43.7	40.1	29.5	28.2	28.9	31.0
27°	46.5	43.0	40.1	37.2	28.2	26.8	28.2	29.5
28°	43.7	40.1	37.2	34.5	26.0	25.4	26.8	28.9
29°	40.1	37.2	34.5	32.3	24.6	24.0	26.0	27.5
30°	36.6	33.8	31.7	29.5	23.3	22.5	24.6	26.8
31°	33.8	31.7	29.5	27.5	21.8	21.8	24.0	26.0
32°	31.0	28.9	26.8	24.6	20.5	20.5	23.3	24.6
33°	28.2	26.0	24.0	22.5	19.0	19.8	21.8	24.0
34°	24.6	23.3	21.8	20.5	17.6	18.3	21.1	23.3
35°	22.5	21.1	19.8	18.3	17.0	17.6	20.5	22.5
36°	19.8	19.0	17.6	17.0	15.5	17.0	19.8	21.8
37°	17.6	17.0	15.5	14.8	14.8	16.2	19.0	21.1
38°	15.5	14.8	14.0	13.4	14.0	15.5	18.3	20.5
39°	13.4	12.7	12.7	12.0	13.4	14.8	17.6	19.8
40°	12.0	11.2	11.2	10.6	12.7	14.0	17.0	19.8
42.5°	8.4	8.4	8.4	8.4	10.6	12.7	15.5	18.3
45°	6.3	6.3	6.3	6.3	9.2	11.2	13.4	17.0
47.5°	4.9	4.9	4.9	4.9	8.4	10.6	12.7	14.8
50°	3.5	3.5	4.2	4.2	7.7	9.2	11.2	13.4
51°	3.5	3.5	3.5	4.2	7.1	9.2	10.6	12.7
52°	3.5	3.5	3.5	3.5	7.1	8.4	9.9	11.2
53°	2.8	3.5	3.5	3.5	6.3	8.4	9.2	10.6
54°	2.8	2.8	2.8	3.5	6.3	7.7	8.4	9.9
55°	2.8	2.8	2.8	3.5	5.7	7.7	8.4	8.4
57.5°	2.8	2.8	2.8	2.8	5.7	7.1	7.7	7.1
60°	2.8	2.8	2.8	2.8	4.9	6.3	7.1	4.9



TEST NUMBER: P1219599

CATALOG NUMBER: LDSQA6A20950D010TE LARL20NF 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
63°	2.8	2.8	2.8	2.8	4.9	5.7	5.7	4.2
64°	2.8	2.8	2.8	2.8	4.9	5.7	5.7	4.2
65°	2.8	2.8	2.8	2.8	4.9	4.9	4.9	3.5
66°	2.8	2.8	2.8	2.8	4.9	4.9	4.9	3.5
67.5°	2.8	2.8	2.8	2.8	4.9	4.9	4.2	3.5
70°	2.8	2.8	2.8	3.5	4.2	4.2	4.2	3.5
72.5°	2.8	2.8	2.8	3.5	4.2	4.2	3.5	2.8
75°	3.5	3.5	3.5	3.5	4.2	4.2	3.5	2.2
77.5°	3.5	3.5	3.5	3.5	4.2	3.5	2.8	2.2
80°	3.5	3.5	2.8	2.8	3.5	3.5	2.2	1.4
82.5°	3.5	3.5	2.8	2.8	3.5	2.8	2.2	1.4
85°	3.5	3.5	2.8	2.8	3.5	2.8	1.4	0.7
87.5°	3.5	2.8	2.8	2.8	3.5	2.8	0.7	0.7
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

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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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

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Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report





61°	2.2	2.2	2.2	2.2	2.8	2.2	2.8	3.5	4.2	4.2	4.2
62°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.2	2.2	2.2	2.8

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Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report





61°	4.2	4.2	3.5	3.5	2.8	2.2	2.2	2.2	2.2	2.2	2.2
62°	2.8	2.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
62°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8

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
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



61°	2.8	2.8	2.8	2.8	4.9	6.3	6.3	4.9
62°	2.8	2.8	2.8	2.8	4.9	5.7	6.3	4.2

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)