

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: P1212274

Luminaire Tested: **LDSQA4A25940D010TE LAR15SP 4LSQA1H 30°**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1212274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26799)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDSQA4A25940D010TE LAR15SP 4LSQA1H 30°
Description: PORTFOLIO 4" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,
SELF-FLANGED, 15° SPOT, 30° Tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

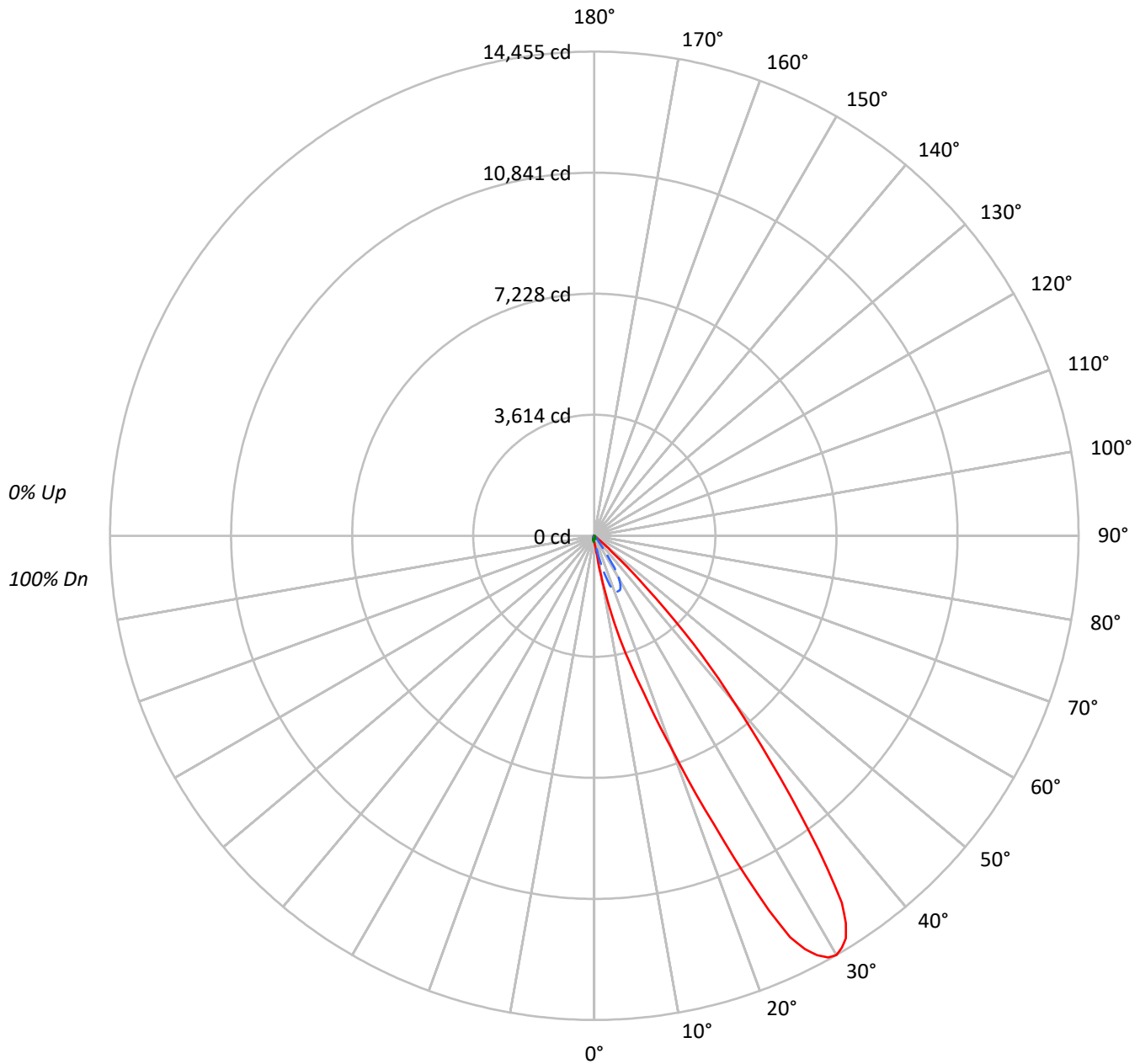
Lumens per Lamp: N/A
Luminaire Lumens: 2222.9 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 2.24 / 0.6 / 1.1
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 30.9
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55		
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18561	18561	18561
5°	30914	17514	14956
10°	131845	15356	12985
15°	364935	12196	11514
20°	699979	8639	10289
25°	1319773	5761	9075
30°	1616967	3848	7953
35°	1436045	2578	6776
40°	818449	1745	5665
45°	298542	1425	4713
50°	32870	1040	3994
55°	4847	777	3293
60°	1104	891	2674
65°	779	1054	1834
70°	651	1303	1614
75°	861	1722	1273
80°	0	2566	1283
85°	0	3779	1223

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.1
10°-20°	240.9	10.8
20°-30°	791.1	35.6
30°-40°	867.6	39.0
40°-50°	271.0	12.2
50°-60°	14.8	0.7
60°-70°	6.0	0.3
70°-80°	4.5	0.2
80°-90°	2.8	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°	1056.1	47.5
0°-40°	1923.7	86.5
0°-60°	2209.6	99.4
0°-90°	2222.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2222.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	192	192	192	192	192	
5°	318	255	180	159	154	59
15°	3639	1169	122	109	115	1143
25°	12347	1796	54	67	85	5504
35°	12143	354	22	38	57	7099
45°	2179	37	10	22	34	2001
55°	29	7	5	13	20	45
65°	3	3	5	9	8	3
75°	2	3	5	7	3	2
85°	0	3	3	3	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	236.4	238.7	239.8	234.1	235.2	232.9	235.2	230.6	222.7	224.9	218.1
5°	317.9	313.2	312.1	302.9	300.7	296.0	296.0	285.8	270.8	268.6	254.8
7.5°	562.3	538.1	517.5	486.5	456.7	433.7	424.6	387.9	347.6	332.8	300.7
10°	1340.3	1335.7	1284.1	1186.5	1074.1	992.6	945.5	803.3	623.1	512.9	398.2
12.5°	2439.6	2416.6	2343.3	2164.2	1970.3	1848.6	1753.4	1466.5	1199.1	984.5	705.7
15°	3638.7	3545.8	3437.9	3160.2	2888.2	2729.9	2594.4	2250.2	1836.0	1527.3	1169.3
17.5°	4919.3	4960.6	4699.1	4220.5	3737.4	3489.5	3260.0	2731.0	2277.8	1956.5	1553.8
20°	6789.8	6702.5	6242.5	5449.4	4736.9	4322.6	3996.8	3233.6	2549.8	2149.2	1768.3
22.5°	9317.7	9040.0	8142.6	6801.2	5670.9	5096.0	4633.6	3605.5	2778.1	2248.0	1802.7
25°	12347.0	12090.0	10428.5	8101.3	6429.5	5684.7	5055.9	3841.8	2869.9	2264.0	1795.9
26°	13336.3	12954.2	11271.9	8563.8	6662.4	5833.9	5160.3	3887.7	2872.2	2251.4	1766.0
27°	13848.0	13548.5	11969.5	8939.0	6821.8	5927.9	5218.8	3899.2	2849.2	2222.6	1720.1
28°	14185.3	13905.4	12411.3	9184.5	6903.3	5964.7	5236.0	3874.0	2797.6	2172.2	1647.8
29°	14394.2	14099.2	12627.1	9295.9	6909.1	5948.7	5203.9	3807.4	2727.6	2111.4	1564.1
30°	14455.0	14136.1	12632.8	9250.0	6824.2	5862.6	5113.3	3699.6	2642.7	2034.5	1471.1
31°	14347.2	14017.9	12425.1	9041.2	6649.7	5695.0	4971.0	3557.2	2537.1	1953.1	1327.6
32°	14168.1	13730.9	11990.3	8694.6	6411.0	5493.1	4793.1	3402.3	2424.6	1849.8	1125.8
33°	13787.1	13259.3	11324.7	8259.7	6124.2	5261.3	4585.4	3230.2	2318.0	1671.9	836.6
34°	13214.6	12547.9	10508.8	7753.7	5799.4	4972.1	4346.7	3070.7	2206.7	1436.7	572.6
35°	12142.8	11522.0	9608.0	7214.3	5449.4	4692.1	4083.9	2861.9	2055.2	1152.1	353.5
36°	10943.7	10487.0	8734.7	6665.8	5091.5	4401.8	3813.1	2708.1	1831.4	848.0	239.8
37°	9718.1	9313.2	7910.8	6126.5	4732.3	4080.5	3537.7	2533.7	1565.1	565.7	192.8
38°	8551.1	8229.8	7128.2	5596.3	4359.4	3744.2	3248.5	2347.8	1278.3	363.7	158.3
39°	7479.4	7238.4	6361.8	5083.4	3985.3	3415.0	2970.9	2113.7	975.4	259.3	132.0
40°	6471.9	6302.0	5622.8	4577.4	3613.5	3091.4	2719.5	1830.3	677.0	205.4	106.7
42.5°	4401.8	4359.4	3956.5	3294.5	2684.0	2378.8	2150.4	1029.3	260.5	123.9	59.6
45°	2179.1	2209.0	2048.3	1884.2	1756.8	1663.9	1355.2	429.1	144.6	67.7	36.7
47.5°	771.1	772.3	664.4	592.1	565.7	563.4	409.7	151.5	76.9	41.3	26.5
50°	218.1	235.2	221.5	226.0	176.7	150.4	122.8	73.4	39.0	26.5	17.2
51°	134.3	144.6	135.4	140.0	121.6	109.0	91.7	55.1	31.0	21.8	16.1
52°	86.1	91.7	87.2	88.4	81.5	71.1	62.0	40.1	25.2	18.4	13.8
53°	58.5	62.0	58.5	58.5	53.9	50.5	43.6	29.9	20.7	14.9	10.4
54°	40.1	41.3	41.3	41.3	37.8	35.5	31.0	23.0	17.2	13.8	9.2
55°	28.7	29.9	28.7	28.7	27.6	25.2	23.0	17.2	13.8	11.5	6.9
57.5°	12.7	12.7	12.7	13.8	12.7	12.7	11.5	10.4	9.2	6.9	4.6
60°	5.7	5.7	5.7	5.7	6.9	6.9	6.9	6.9	5.7	4.6	4.6
61°	4.6	4.6	4.6	4.6	4.6	5.7	5.7	5.7	4.6	4.6	3.4
62°	3.4	3.4	3.4	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4
63°	3.4	3.4	3.4	3.4	3.4	3.4	4.6	4.6	3.4	3.4	3.4
64°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
65°	3.4	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4
66°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4
77.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	3.4
80°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	3.4
82.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	3.4
85°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	3.4
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	2.3	2.3	3.4
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	213.4	212.3	206.6	200.8	202.0	199.7	197.3	193.9	191.6	185.9	185.9
5°	243.2	237.5	224.9	213.4	212.3	207.7	200.8	193.9	188.2	180.1	177.8
7.5°	277.7	261.6	241.0	222.7	219.2	212.3	199.7	190.5	180.1	169.8	166.5
10°	327.0	289.2	253.6	226.0	219.2	208.9	192.8	180.1	168.7	156.1	151.5
12.5°	502.6	356.9	269.7	226.0	213.4	200.8	181.3	166.5	152.7	138.9	134.3
15°	837.7	570.3	342.0	226.0	203.1	188.2	164.2	149.2	134.3	121.6	117.0
17.5°	1156.7	811.2	476.3	254.8	204.3	173.2	143.4	127.3	114.8	102.1	98.7
20°	1341.4	945.5	564.6	283.5	202.0	156.1	122.8	105.5	92.9	83.8	80.4
22.5°	1365.6	951.2	545.1	253.6	169.8	129.7	102.1	86.1	75.7	67.7	65.4
25°	1301.3	840.0	436.0	180.1	126.2	105.5	80.4	68.9	60.8	53.9	52.8
26°	1251.9	773.4	379.8	149.2	111.3	94.0	72.3	62.0	55.1	49.3	48.2
27°	1182.0	702.3	324.8	123.9	98.7	84.9	64.3	56.2	50.5	44.8	44.8
28°	1102.7	625.3	261.6	104.4	88.4	75.7	58.5	50.5	44.8	41.3	41.3
29°	1007.5	514.1	191.6	90.6	78.1	66.6	51.6	44.8	40.1	37.8	37.8
30°	866.3	372.9	132.0	79.2	67.7	58.5	45.9	40.1	36.7	34.4	34.4
31°	677.0	229.4	103.2	68.9	59.6	51.6	41.3	35.5	33.3	31.0	32.2
32°	461.3	143.4	88.4	59.6	52.8	44.8	36.7	32.2	29.9	28.7	28.7
33°	262.8	119.3	76.9	51.6	44.8	39.0	32.2	28.7	27.6	26.5	26.5
34°	174.4	102.1	66.6	43.6	36.7	33.3	27.6	25.2	24.0	24.0	24.0
35°	146.9	88.4	53.9	36.7	32.2	28.7	24.0	23.0	21.8	21.8	23.0
36°	123.9	73.4	43.6	31.0	27.6	25.2	21.8	20.7	19.5	19.5	20.7
37°	104.4	58.5	36.7	26.5	23.0	21.8	19.5	18.4	18.4	18.4	19.5
38°	84.9	47.0	31.0	23.0	20.7	18.4	17.2	16.1	16.1	17.2	18.4
39°	66.6	37.8	25.2	19.5	17.2	16.1	14.9	14.9	14.9	14.9	16.1
40°	52.8	32.2	21.8	17.2	14.9	14.9	13.8	12.7	13.8	13.8	16.1
42.5°	33.3	23.0	16.1	12.7	11.5	11.5	10.4	10.4	10.4	11.5	12.7
45°	24.0	18.4	12.7	10.4	9.2	8.0	8.0	8.0	9.2	10.4	11.5
47.5°	18.4	12.7	9.2	6.9	5.7	5.7	5.7	5.7	6.9	8.0	9.2
50°	12.7	8.0	5.7	4.6	4.6	4.6	4.6	4.6	5.7	6.9	8.0
51°	10.4	6.9	5.7	4.6	4.6	3.4	3.4	4.6	5.7	5.7	6.9
52°	8.0	5.7	4.6	3.4	3.4	3.4	3.4	4.6	4.6	5.7	6.9
53°	6.9	5.7	4.6	3.4	3.4	3.4	3.4	3.4	4.6	5.7	6.9
54°	5.7	4.6	3.4	3.4	3.4	3.4	3.4	3.4	4.6	5.7	6.9
55°	4.6	4.6	3.4	3.4	3.4	3.4	3.4	3.4	4.6	4.6	5.7
57.5°	4.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	5.7
60°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	5.7
61°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	5.7
62°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	5.7
63°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.6	4.6	5.7
64°	3.4	3.4	3.4	3.4	4.6	4.6	3.4	3.4	4.6	4.6	5.7
65°	3.4	3.4	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6	5.7
66°	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6	5.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
72.5°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	4.6	4.6	4.6
75°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
77.5°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6
80°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	4.6	4.6
82.5°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	4.6
85°	3.4	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	4.6	4.6	4.6	4.6	3.4	3.4	3.4	3.4	3.4
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: P1212274

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	183.6	180.1	177.8	176.7	177.8	175.5	172.1	173.2	172.1	171.0	171.0
5°	174.4	168.7	166.5	165.3	165.3	164.2	159.4	160.6	159.4	158.3	158.3
7.5°	161.7	157.2	153.8	152.7	152.7	151.5	146.9	149.2	146.9	145.7	146.9
10°	146.9	142.3	141.1	138.9	138.9	137.7	134.3	135.4	134.3	134.3	134.3
12.5°	130.8	126.2	125.1	123.9	125.1	123.9	120.5	122.8	121.6	121.6	122.8
15°	113.6	110.1	110.1	109.0	110.1	109.0	107.8	109.0	109.0	109.0	111.3
17.5°	96.5	94.0	94.0	92.9	94.0	94.0	92.9	96.5	96.5	98.7	101.0
20°	79.2	76.9	78.1	78.1	80.4	80.4	80.4	83.8	84.9	87.2	90.6
22.5°	65.4	64.3	65.4	65.4	67.7	68.9	68.9	72.3	75.7	78.1	81.5
25°	52.8	52.8	55.1	55.1	56.2	58.5	59.6	64.3	66.6	68.9	72.3
26°	49.3	49.3	50.5	51.6	52.8	55.1	56.2	60.8	63.1	65.4	68.9
27°	44.8	44.8	47.0	48.2	49.3	51.6	53.9	57.3	59.6	63.1	65.4
28°	41.3	41.3	43.6	44.8	45.9	49.3	50.5	53.9	56.2	59.6	63.1
29°	37.8	39.0	41.3	41.3	43.6	45.9	47.0	51.6	53.9	56.2	59.6
30°	35.5	36.7	37.8	39.0	40.1	42.4	44.8	48.2	50.5	52.8	56.2
31°	33.3	34.4	35.5	36.7	37.8	40.1	42.4	45.9	48.2	50.5	53.9
32°	31.0	31.0	33.3	34.4	35.5	37.8	40.1	43.6	45.9	48.2	51.6
33°	28.7	29.9	31.0	32.2	33.3	35.5	37.8	40.1	42.4	45.9	49.3
34°	26.5	27.6	29.9	31.0	32.2	34.4	35.5	37.8	40.1	43.6	45.9
35°	24.0	26.5	27.6	28.7	29.9	32.2	33.3	36.7	37.8	41.3	43.6
36°	23.0	24.0	26.5	27.6	28.7	29.9	31.0	34.4	36.7	39.0	41.3
37°	20.7	23.0	24.0	25.2	26.5	28.7	29.9	32.2	34.4	36.7	39.0
38°	19.5	20.7	23.0	24.0	25.2	26.5	27.6	31.0	32.2	34.4	36.7
39°	18.4	19.5	21.8	23.0	23.0	25.2	26.5	28.7	29.9	32.2	35.5
40°	17.2	18.4	20.7	20.7	21.8	24.0	25.2	27.6	28.7	31.0	33.3
42.5°	14.9	16.1	17.2	18.4	19.5	20.7	21.8	24.0	25.2	26.5	28.7
45°	12.7	13.8	16.1	16.1	17.2	18.4	19.5	20.7	21.8	24.0	25.2
47.5°	10.4	12.7	13.8	14.9	14.9	16.1	17.2	18.4	19.5	20.7	21.8
50°	9.2	10.4	11.5	12.7	12.7	13.8	14.9	16.1	16.1	17.2	19.5
51°	9.2	10.4	11.5	11.5	12.7	13.8	13.8	14.9	16.1	16.1	17.2
52°	8.0	9.2	10.4	11.5	11.5	12.7	13.8	13.8	14.9	16.1	17.2
53°	8.0	9.2	10.4	10.4	11.5	12.7	12.7	13.8	13.8	14.9	16.1
54°	8.0	9.2	10.4	10.4	11.5	11.5	12.7	12.7	13.8	13.8	14.9
55°	6.9	8.0	9.2	10.4	10.4	11.5	11.5	12.7	12.7	13.8	13.8
57.5°	6.9	8.0	9.2	9.2	9.2	10.4	10.4	11.5	11.5	11.5	12.7
60°	6.9	8.0	8.0	9.2	9.2	10.4	10.4	10.4	10.4	11.5	11.5
61°	6.9	6.9	8.0	9.2	9.2	9.2	10.4	10.4	10.4	10.4	11.5
62°	6.9	6.9	8.0	8.0	9.2	9.2	9.2	10.4	10.4	10.4	10.4
63°	5.7	6.9	8.0	8.0	9.2	9.2	9.2	9.2	9.2	10.4	10.4
64°	5.7	6.9	8.0	8.0	8.0	9.2	9.2	9.2	9.2	9.2	9.2
65°	5.7	6.9	8.0	8.0	8.0	9.2	9.2	9.2	9.2	9.2	9.2
66°	5.7	6.9	8.0	8.0	8.0	9.2	9.2	9.2	9.2	9.2	9.2

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212274

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
72.5°	5.7	5.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	5.7	5.7	5.7	6.9	6.9	6.9	6.9	6.9	6.9	5.7	5.7
77.5°	4.6	4.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	4.6
80°	4.6	4.6	5.7	5.7	5.7	5.7	5.7	5.7	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	2.3
87.5°	3.4	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	2.3	2.3
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: P1212274

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	191.6	191.6	191.6	191.6	191.6	191.6	191.6	191.6
2.5°	172.1	168.7	167.5	167.5	168.7	167.5	168.7	167.5
5°	158.3	154.9	154.9	153.8	154.9	153.8	154.9	153.8
7.5°	146.9	143.4	143.4	143.4	143.4	143.4	144.6	143.4
10°	135.4	132.0	132.0	130.8	132.0	132.0	133.1	132.0
12.5°	123.9	121.6	121.6	120.5	122.8	121.6	123.9	122.8
15°	113.6	111.3	111.3	112.5	113.6	113.6	114.8	114.8
17.5°	103.2	103.2	103.2	104.4	105.5	106.7	107.8	106.7
20°	94.0	94.0	95.3	96.5	97.6	98.7	99.8	99.8
22.5°	84.9	84.9	86.1	88.4	90.6	91.7	92.9	92.9
25°	75.7	76.9	78.1	79.2	82.7	83.8	84.9	84.9
26°	72.3	73.4	75.7	76.9	79.2	80.4	82.7	82.7
27°	70.0	71.1	72.3	73.4	76.9	78.1	80.4	79.2
28°	66.6	67.7	68.9	71.1	73.4	75.7	76.9	76.9
29°	63.1	65.4	66.6	67.7	71.1	72.3	73.4	73.4
30°	60.8	62.0	63.1	65.4	67.7	70.0	71.1	71.1
31°	57.3	59.6	60.8	62.0	65.4	66.6	68.9	68.9
32°	55.1	56.2	57.3	59.6	62.0	64.3	65.4	65.4
33°	51.6	53.9	55.1	56.2	59.6	62.0	63.1	62.0
34°	49.3	51.6	51.6	53.9	56.2	58.5	59.6	59.6
35°	47.0	48.2	49.3	51.6	53.9	56.2	57.3	57.3
36°	44.8	45.9	47.0	49.3	51.6	53.9	55.1	55.1
37°	42.4	43.6	44.8	45.9	49.3	51.6	52.8	52.8
38°	40.1	41.3	42.4	44.8	47.0	48.2	50.5	50.5
39°	37.8	39.0	40.1	42.4	44.8	45.9	48.2	47.0
40°	35.5	37.8	37.8	40.1	42.4	43.6	45.9	44.8
42.5°	31.0	32.2	33.3	34.4	36.7	39.0	40.1	40.1
45°	27.6	28.7	29.9	31.0	32.2	33.3	35.5	34.4
47.5°	23.0	24.0	25.2	26.5	27.6	28.7	29.9	29.9
50°	20.7	20.7	21.8	21.8	24.0	25.2	26.5	26.5
51°	18.4	19.5	20.7	20.7	23.0	23.0	24.0	24.0
52°	18.4	18.4	19.5	19.5	20.7	21.8	23.0	23.0
53°	17.2	17.2	18.4	18.4	19.5	20.7	21.8	21.8
54°	16.1	16.1	17.2	17.2	18.4	19.5	20.7	20.7
55°	14.9	14.9	16.1	16.1	17.2	18.4	19.5	19.5
57.5°	12.7	13.8	13.8	14.9	14.9	16.1	16.1	17.2
60°	11.5	12.7	12.7	12.7	13.8	13.8	13.8	13.8
61°	11.5	11.5	11.5	12.7	12.7	11.5	12.7	11.5
62°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
63°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
64°	10.4	9.2	9.2	9.2	9.2	9.2	9.2	9.2
65°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	8.0
66°	9.2	9.2	8.0	9.2	8.0	8.0	8.0	8.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212274

CATALOG NUMBER: LDSQA4A25940D010TE LAR15SP 4LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
72.5°	5.7	5.7	5.7	5.7	5.7	4.6	4.6	4.6
75°	5.7	5.7	5.7	4.6	4.6	4.6	4.6	3.4
77.5°	4.6	4.6	4.6	4.6	3.4	3.4	3.4	3.4
80°	3.4	3.4	3.4	3.4	3.4	3.4	2.3	2.3
82.5°	3.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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

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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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Peachtree City, GA 30269

Scaled Data Report





67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4

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Peachtree City, GA 30269

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67.5°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	4.6	4.6	5.7
70°	3.4	4.6	4.6	4.6	4.6	4.6	4.6	3.4	4.6	4.6	4.6

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Peachtree City, GA 30269

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67.5°	5.7	6.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
70°	5.7	6.9	6.9	6.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0

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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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67.5°	8.0	8.0	8.0	8.0	8.0	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	6.9	5.7	5.7	5.7

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)