

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: P1212530

Luminaire Tested: **LDSQA6A35935D010TE 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: P1212530
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: LDSQA6A35935D010TE 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 / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

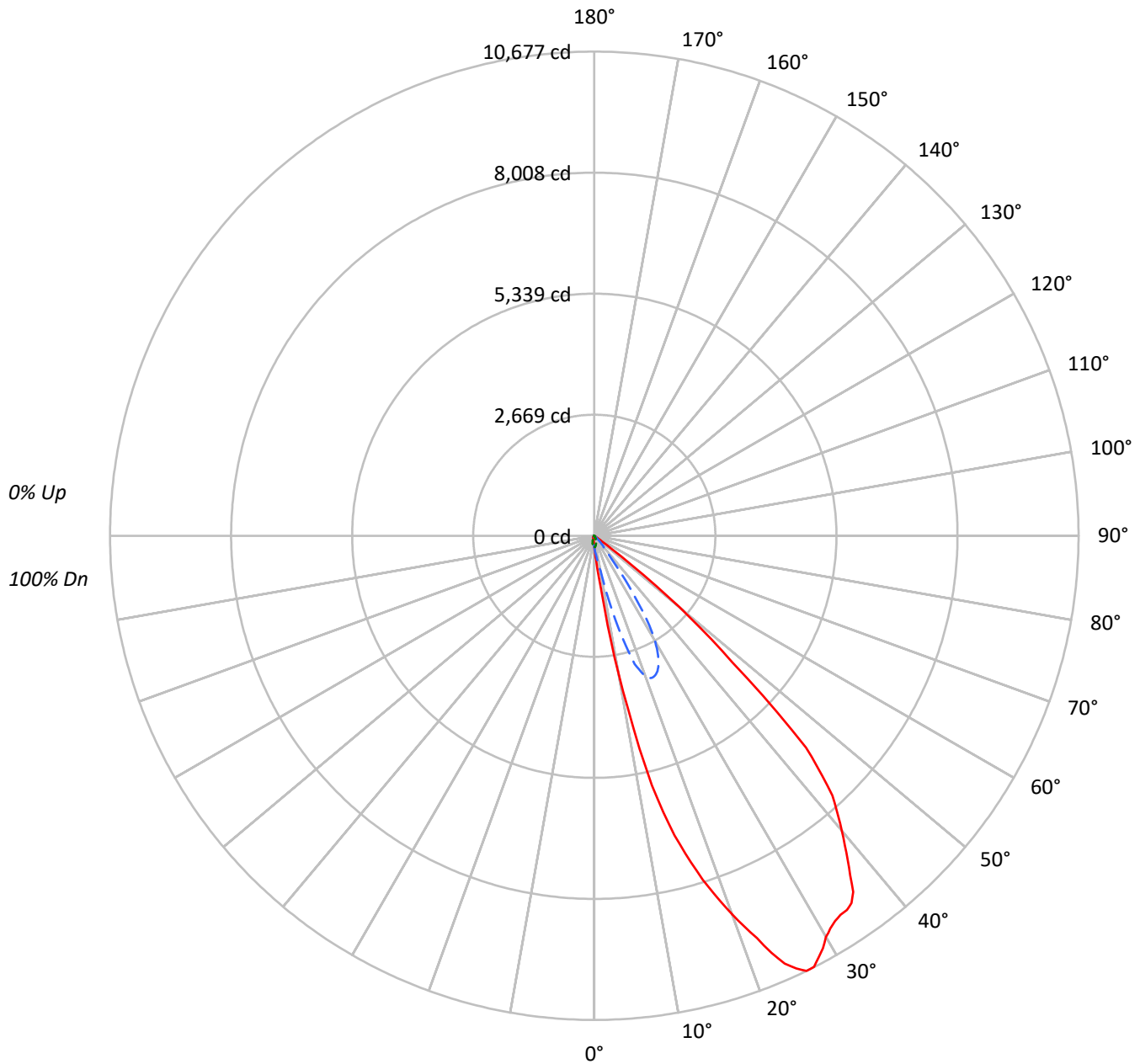
Lumens per Lamp: N/A
Luminaire Lumens: 3191.4 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 2.55 / 0.56 / 1.24
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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



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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°	10910	10910	10910
5°	26740	10403	5748
10°	135514	8635	4201
15°	304849	6539	3339
20°	407151	4596	2804
25°	500236	3207	2456
30°	508022	2202	2257
35°	519778	1393	1997
40°	477317	832	1844
45°	401965	578	1668
50°	164422	496	1480
55°	8002	473	1111
60°	448	448	732
65°	112	530	642
70°	138	655	655
75°	0	1048	682
80°	0	1562	793
85°	0	3112	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.2
10°-20°	421.8	13.2
20°-30°	971.5	30.4
30°-40°	1068.3	33.5
40°-50°	626.7	19.6
50°-60°	51.1	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°	1432.3	44.9
0°-40°	2500.6	78.4
0°-60°	3178.4	99.6
0°-90°	3191.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3191.4	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	253	253	253	253	253	
5°	619	427	241	149	133	130
15°	6839	2236	147	80	75	1930
25°	10530	3294	68	46	52	4718
35°	9889	1186	26	28	38	6024
45°	6602	132	10	18	27	4572
55°	107	6	6	12	15	426
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°	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4
2.5°	390.6	382.1	380.0	379.1	372.6	375.8	378.0	372.6	372.6	372.6	361.1
5°	618.7	595.4	592.2	587.0	571.1	571.1	573.3	559.6	554.2	535.3	518.4
7.5°	1269.0	1181.3	1222.6	1199.3	1134.9	1113.8	1109.5	1051.6	1015.6	943.7	878.4
10°	3099.6	2903.2	2963.5	2900.2	2750.2	2655.2	2655.2	2492.6	2371.1	2157.8	1942.6
11°	3872.3	3749.9	3811.1	3737.3	3560.9	3443.8	3440.7	3249.5	3100.7	2837.9	2569.7
12°	4798.3	4610.3	4571.3	4589.3	4391.8	4257.7	4241.9	4031.8	3864.1	3559.9	3253.7
13°	5647.1	5520.4	5387.4	5395.9	5188.9	5051.7	5017.9	4797.2	4619.9	4290.5	3951.5
14°	6277.3	6206.6	6091.6	6079.0	5892.1	5753.7	5712.7	5487.7	5301.9	4970.3	4614.7
15°	6839.1	6772.5	6663.8	6635.3	6455.9	6315.5	6268.0	6033.6	5843.5	5531.0	5186.9
17.5°	7952.8	7909.6	7867.3	7753.3	7617.1	7412.2	7345.8	7073.5	6826.3	6544.4	6168.6
20°	8886.1	8828.1	8739.4	8646.5	8474.4	8252.6	8206.2	7877.9	7619.2	7338.4	6899.2
21°	9227.2	9170.1	9075.1	8968.5	8773.2	8538.8	8474.4	8128.1	7855.7	7564.3	7117.7
22°	9568.1	9514.3	9417.1	9282.1	9065.5	8802.7	8706.6	8341.4	8054.1	7733.2	7284.6
23°	9990.4	9863.6	9758.2	9592.4	9338.0	9040.3	8910.4	8516.5	8214.7	7880.0	7422.8
24°	10325.2	10196.3	10072.8	9871.0	9583.9	9253.4	9087.8	8668.6	8360.3	7998.3	7537.0
25°	10529.8	10463.4	10333.4	10104.5	9792.9	9432.0	9237.6	8793.2	8456.4	8097.5	7630.9
26°	10676.7	10607.0	10495.1	10255.3	9957.6	9590.2	9353.9	8897.8	8549.3	8161.9	7693.2
27°	10671.3	10629.2	10535.2	10324.1	10073.9	9700.0	9450.9	8967.4	8597.9	8194.7	7717.3
28°	10529.8	10529.8	10487.7	10316.7	10101.2	9748.6	9485.8	8980.0	8603.1	8187.3	7701.7
29°	10401.1	10368.4	10376.8	10242.7	10058.9	9714.8	9460.4	8943.1	8564.0	8139.8	7654.1
30°	10218.4	10208.9	10246.0	10138.1	9986.2	9643.1	9379.1	8866.1	8487.0	8061.7	7578.0
31°	10104.5	10079.1	10114.9	10025.3	9858.4	9506.9	9255.6	8755.2	8385.7	7961.2	7485.1
32°	10019.0	9988.4	10030.5	9914.4	9732.8	9385.4	9117.4	8633.7	8253.7	7850.5	7366.9
33°	9967.1	9957.6	9973.4	9816.1	9582.8	9220.9	8978.0	8503.9	8127.0	7725.8	7237.1
34°	9957.6	9937.6	9910.1	9684.2	9432.0	9064.4	8820.7	8359.4	7990.9	7579.1	7078.7
35°	9889.0	9844.7	9782.5	9501.7	9218.7	8867.2	8636.9	8192.5	7819.7	7403.9	6882.3
36°	9711.7	9636.7	9569.2	9276.7	8983.3	8654.9	8438.4	8003.5	7631.8	7202.2	6657.5
37°	9370.6	9345.4	9263.0	9013.9	8745.7	8429.9	8221.0	7806.1	7421.8	6971.0	6406.2
38°	9075.1	9047.7	8971.6	8746.7	8502.8	8199.9	7991.8	7551.7	7185.2	6711.3	6131.7
39°	8775.2	8751.1	8692.9	8447.9	8235.7	7950.8	7742.7	7302.4	6927.7	6423.1	5828.8
40°	8492.4	8468.1	8415.2	8172.4	7962.3	7691.0	7479.9	7031.2	6678.5	6109.6	5481.4
42.5°	7771.3	7688.9	7621.4	7388.1	7200.2	6918.3	6690.2	6228.9	5734.8	5132.0	4501.6
45°	6601.5	6499.1	6418.8	6268.9	6064.2	5846.6	5538.4	5040.0	4529.2	3946.3	3088.1
47.5°	4121.6	3978.0	3886.2	3715.2	3485.0	3336.1	3254.8	2992.0	2643.5	2385.9	1733.6
50°	2454.7	2349.0	2272.0	2023.9	1848.6	1631.2	1424.2	1042.0	836.1	632.3	523.6
51°	1765.3	1678.7	1633.1	1428.5	1295.5	1140.1	994.5	725.2	583.7	441.4	364.1
52°	1021.9	955.4	953.3	821.3	769.7	706.3	603.9	478.3	408.6	319.9	273.4
53°	475.0	436.0	443.3	382.1	362.2	353.7	350.5	278.6	272.3	238.7	201.6
54°	213.3	195.3	182.7	176.2	171.0	173.2	177.3	160.6	154.1	149.9	137.2
55°	106.6	97.2	91.8	97.2	86.6	87.7	90.7	84.4	82.3	82.3	80.3
57.5°	23.2	22.1	22.1	23.2	22.1	22.1	23.2	23.2	23.2	22.1	22.1
60°	5.2	5.2	5.2	5.2	6.3	6.3	6.3	6.3	7.4	8.5	8.5



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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°	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4
2.5°	360.0	351.5	352.6	346.3	342.0	338.9	342.0	332.6	330.5	320.9	315.7
5°	514.1	494.1	487.8	473.0	456.1	447.7	444.4	426.6	417.1	399.1	388.4
7.5°	849.8	786.6	749.5	706.3	653.6	627.1	593.3	560.5	524.7	490.9	467.6
10°	1848.6	1647.0	1496.0	1340.8	1130.8	1025.1	889.9	790.7	691.6	613.4	564.8
11°	2449.3	2192.8	1989.0	1773.7	1494.9	1343.9	1146.6	983.9	811.8	692.6	614.5
12°	3099.6	2792.3	2541.1	2260.3	1919.3	1716.7	1469.5	1254.2	1014.5	830.9	696.8
13°	3755.2	3402.5	3112.4	2772.4	2384.8	2124.2	1832.8	1566.7	1266.8	1032.5	838.3
14°	4389.7	4002.3	3680.3	3285.4	2865.2	2550.6	2219.2	1900.3	1546.6	1261.6	1017.7
15°	4956.7	4547.0	4210.2	3783.8	3342.4	2978.3	2606.6	2236.0	1867.7	1504.4	1214.1
17.5°	5932.1	5501.3	5170.0	4721.2	4285.3	3870.4	3444.8	2963.5	2508.5	2057.6	1714.5
20°	6670.1	6150.8	5753.7	5222.7	4725.5	4257.7	3808.1	3317.0	2867.4	2380.7	1990.1
21°	6858.0	6319.6	5914.3	5382.2	4845.8	4351.7	3878.8	3363.5	2896.9	2406.1	2017.4
22°	7017.5	6476.9	6043.0	5484.6	4936.7	4414.0	3922.0	3380.4	2894.8	2388.1	1997.5
23°	7138.8	6588.9	6147.5	5574.2	5007.4	4459.5	3942.2	3373.0	2869.6	2351.2	1951.0
24°	7254.0	6691.3	6230.9	5630.2	5048.5	4466.9	3931.6	3343.5	2827.3	2295.2	1888.7
25°	7327.8	6759.9	6276.4	5657.8	5050.6	4446.7	3896.6	3293.8	2762.8	2219.2	1807.4
26°	7380.7	6792.7	6292.1	5648.2	5033.7	4406.6	3841.7	3220.0	2674.3	2125.3	1713.4
27°	7389.0	6790.5	6272.1	5615.5	4977.7	4330.6	3753.2	3116.5	2560.1	2016.5	1611.0
28°	7357.3	6751.4	6221.5	5552.1	4899.6	4229.3	3638.0	2992.0	2433.4	1896.1	1498.1
29°	7301.5	6685.9	6134.9	5448.6	4777.2	4093.0	3499.7	2847.2	2290.9	1759.9	1373.6
30°	7212.8	6590.9	6024.1	5327.3	4636.8	3938.9	3339.4	2678.4	2116.8	1593.2	1210.9
31°	7106.2	6468.5	5874.1	5160.4	4460.4	3757.3	3153.4	2453.6	1892.9	1382.9	1016.6
32°	6967.8	6313.3	5702.0	4975.7	4263.1	3549.4	2899.1	2166.3	1626.8	1139.2	806.6
33°	6814.8	6141.2	5497.2	4737.1	4043.5	3270.6	2565.4	1841.2	1330.2	881.5	593.3
34°	6625.8	5935.3	5279.8	4494.2	3761.6	2908.6	2136.8	1490.8	1024.0	630.4	403.4
35°	6407.3	5697.7	5015.7	4208.2	3382.6	2491.6	1737.7	1185.7	732.6	420.1	293.6
36°	6152.8	5440.1	4736.0	3837.6	2950.7	2055.6	1352.3	868.9	501.5	319.9	252.4
37°	5878.3	5152.0	4361.2	3451.1	2487.2	1625.8	1006.2	611.3	379.1	284.0	218.5
38°	5570.1	4844.7	3936.8	2971.8	2021.8	1228.9	718.9	456.1	326.2	247.0	186.8
39°	5229.0	4465.8	3451.1	2467.3	1573.0	885.8	547.9	374.8	281.9	213.3	161.5
40°	4851.2	3931.6	2922.3	1969.0	1169.8	638.6	446.6	324.2	246.1	182.7	137.2
42.5°	3592.6	2607.7	1607.9	929.0	552.1	398.0	296.6	228.1	161.5	109.8	70.7
45°	2158.9	1331.3	705.2	482.4	349.4	267.1	191.2	131.9	77.0	47.5	32.8
47.5°	965.0	556.4	394.9	311.4	225.9	159.5	92.9	56.0	34.9	24.3	18.0
50°	375.8	305.1	235.4	179.5	108.7	63.4	40.1	26.5	18.0	12.6	8.5
51°	290.3	236.5	183.8	131.9	72.9	44.3	29.5	20.0	13.7	9.5	6.3
52°	222.8	181.6	138.2	88.7	49.7	33.8	23.2	14.8	10.6	6.3	5.2
53°	163.6	139.3	96.1	62.3	35.8	25.4	18.0	11.7	7.4	5.2	4.1
54°	113.0	96.1	61.2	39.1	26.5	19.1	12.6	8.5	5.2	4.1	4.1
55°	68.6	60.1	40.1	28.4	19.1	13.7	9.5	6.3	4.1	3.2	3.2
57.5°	21.1	19.1	15.8	12.6	8.5	6.3	4.1	3.2	3.2	3.2	3.2
60°	7.4	7.4	6.3	5.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



TEST NUMBER: P1212530

CATALOG NUMBER: LDSQA6A35935D010TE 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	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
64°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1
65°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1
66°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1
67.5°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	4.1
70°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1
72.5°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1
75°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
77.5°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
80°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
82.5°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
85°	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1
87.5°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	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: P1212530

CATALOG NUMBER: LDSQA6A35935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4
2.5°	311.4	306.2	301.9	297.7	292.5	289.3	286.0	279.7	276.7	269.3	263.9
5°	376.9	365.2	353.7	342.0	331.6	323.1	314.6	302.9	294.5	281.9	271.3
7.5°	442.4	419.0	398.0	380.0	361.1	347.4	331.6	314.6	299.9	283.0	267.1
10°	516.2	473.0	437.0	405.4	378.0	355.9	334.6	311.4	293.6	271.3	253.4
11°	547.9	496.3	451.8	413.8	382.1	356.8	332.6	307.3	287.1	265.0	245.0
12°	594.4	518.4	466.6	422.3	384.3	355.9	329.4	301.9	280.8	257.6	237.6
13°	672.5	558.5	481.5	427.5	387.5	353.7	324.2	294.5	272.3	248.0	227.0
14°	802.4	629.3	512.1	437.0	387.5	351.5	317.7	286.0	261.9	237.6	216.4
15°	960.7	744.3	571.1	457.2	386.5	347.4	311.4	277.7	251.3	225.9	202.7
17.5°	1366.2	1076.8	824.6	606.1	443.3	340.0	288.2	249.1	220.7	192.1	171.0
20°	1609.0	1279.6	996.7	744.3	535.3	372.6	268.2	217.4	186.8	161.5	141.5
21°	1638.5	1305.9	1015.6	761.2	545.8	376.9	261.9	203.8	173.2	147.8	129.8
22°	1629.0	1298.5	1007.1	751.7	535.3	367.4	250.2	191.2	160.6	136.3	118.3
23°	1582.6	1257.3	967.1	713.7	506.7	345.2	233.3	177.3	147.8	124.6	107.6
24°	1515.1	1188.7	905.8	657.7	456.1	306.2	209.0	162.5	135.2	113.9	100.3
25°	1434.8	1110.6	828.7	594.4	395.8	262.8	183.8	147.8	122.4	103.5	91.8
26°	1345.0	1026.2	748.4	522.5	332.6	220.7	162.5	134.1	109.8	92.9	83.3
27°	1249.0	934.4	664.0	444.4	276.7	187.9	146.7	119.3	99.2	85.5	76.0
28°	1146.6	842.4	572.2	370.6	229.1	164.7	131.9	106.6	88.7	77.0	69.7
29°	1031.4	734.8	483.5	302.9	189.0	145.6	117.2	95.0	80.3	70.7	64.4
30°	886.9	613.4	387.5	243.9	162.5	129.8	104.6	85.5	72.9	65.5	59.0
31°	722.2	477.2	294.5	193.1	141.5	115.0	92.9	77.0	66.6	60.1	53.8
32°	545.8	347.4	219.6	160.6	124.6	101.3	82.3	69.7	61.2	53.8	49.7
33°	384.3	248.0	177.3	139.3	108.7	88.7	74.0	63.4	56.0	48.6	44.3
34°	263.9	199.6	154.1	120.4	95.0	79.2	66.6	57.1	49.7	43.2	39.1
35°	222.8	174.2	133.0	103.5	82.3	69.7	59.0	50.8	43.2	38.0	33.8
36°	192.1	151.0	113.9	90.7	71.8	60.1	51.7	43.2	36.9	31.7	29.5
37°	165.8	129.8	98.1	78.1	61.2	50.8	42.3	35.8	31.7	27.4	25.4
38°	143.6	109.8	83.3	66.6	50.8	41.2	34.9	29.5	26.5	23.2	21.1
39°	122.4	91.8	67.5	52.7	40.1	33.8	28.4	25.4	22.1	20.0	18.0
40°	101.3	72.9	51.7	41.2	31.7	27.4	23.2	21.1	18.0	16.9	15.8
42.5°	47.5	34.9	27.4	23.2	19.1	16.9	14.8	12.6	11.7	10.6	10.6
45°	24.3	20.0	14.8	12.6	10.6	9.5	8.5	7.4	7.4	7.4	7.4
47.5°	12.6	9.5	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	3.2	4.1	4.1	4.1	4.1	5.2	5.2
51°	4.1	4.1	3.2	3.2	3.2	4.1	4.1	4.1	4.1	5.2	5.2
52°	4.1	3.2	3.2	3.2	3.2	4.1	4.1	4.1	4.1	5.2	5.2
53°	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1	5.2	5.2
54°	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1	5.2	5.2
55°	3.2	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1	4.1	5.2
57.5°	3.2	3.2	3.2	3.2	3.2	4.1	4.1	4.1	4.1	4.1	5.2
60°	3.2	3.2	3.2	3.2	4.1	4.1	4.1	4.1	4.1	4.1	5.2



TEST NUMBER: P1212530

CATALOG NUMBER: LDSQA6A35935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
63°	3.2	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

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212530

CATALOG NUMBER: LDSQA6A35935D010TE LAR35FL 6LSQA1H 30°

CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	112.5°	135°	157.5°	180°
0°	253.4	253.4	253.4	253.4	253.4	253.4	253.4	253.4
2.5°	263.9	254.5	255.4	250.2	209.0	186.8	175.3	166.9
5°	266.0	252.4	249.1	240.7	174.2	148.9	138.2	133.0
7.5°	258.7	240.7	234.4	222.8	147.8	124.6	116.1	112.0
10°	241.7	221.8	211.1	197.5	126.7	107.6	99.2	96.1
11°	233.3	212.2	201.6	187.9	119.3	101.3	94.0	90.7
12°	223.7	201.6	192.1	177.3	112.0	95.0	88.7	85.5
13°	213.3	191.2	181.6	167.9	104.6	89.8	84.4	81.4
14°	200.5	180.5	171.0	158.4	98.1	84.4	80.3	78.1
15°	189.0	169.9	159.5	146.7	92.9	80.3	77.0	74.9
17.5°	158.4	141.5	133.0	122.4	78.1	68.6	68.6	67.5
20°	129.8	115.0	108.7	100.3	65.5	60.1	61.2	61.2
21°	119.3	106.6	100.3	92.9	62.3	57.1	59.0	59.0
22°	108.7	97.2	92.9	85.5	58.1	53.8	57.1	57.1
23°	100.3	88.7	85.5	79.2	53.8	51.7	54.9	54.9
24°	91.8	82.3	78.1	72.9	50.8	48.6	52.7	53.8
25°	84.4	74.9	71.8	67.5	47.5	46.4	50.8	51.7
26°	77.0	68.6	66.6	62.3	44.3	44.3	48.6	50.8
27°	70.7	64.4	61.2	57.1	41.2	42.3	47.5	48.6
28°	65.5	59.0	56.0	52.7	38.0	40.1	45.4	47.5
29°	60.1	53.8	51.7	48.6	35.8	38.0	43.2	46.4
30°	54.9	49.7	47.5	44.3	33.8	35.8	42.3	45.4
31°	50.8	45.4	43.2	40.1	31.7	34.9	40.1	43.2
32°	45.4	41.2	39.1	36.9	29.5	32.8	39.1	42.3
33°	41.2	35.8	34.9	32.8	28.4	31.7	38.0	40.1
34°	35.8	31.7	30.6	29.5	26.5	29.5	35.8	39.1
35°	30.6	28.4	27.4	26.5	24.3	28.4	34.9	38.0
36°	27.4	24.3	24.3	23.2	23.2	27.4	33.8	36.9
37°	23.2	22.1	21.1	21.1	21.1	25.4	31.7	35.8
38°	20.0	19.1	19.1	19.1	20.0	24.3	30.6	34.9
39°	16.9	16.9	16.9	16.9	19.1	23.2	29.5	33.8
40°	14.8	14.8	14.8	14.8	18.0	22.1	28.4	32.8
42.5°	10.6	10.6	10.6	11.7	14.8	20.0	25.4	30.6
45°	8.5	8.5	8.5	9.5	13.7	18.0	23.2	27.4
47.5°	6.3	6.3	7.4	8.5	11.7	15.8	21.1	25.4
50°	5.2	6.3	6.3	7.4	10.6	14.8	18.0	22.1
51°	5.2	5.2	6.3	6.3	9.5	13.7	16.9	21.1
52°	5.2	5.2	6.3	6.3	9.5	12.6	16.9	19.1
53°	5.2	5.2	6.3	6.3	9.5	12.6	15.8	18.0
54°	5.2	5.2	6.3	6.3	8.5	11.7	14.8	16.9
55°	5.2	5.2	6.3	6.3	8.5	11.7	14.8	14.8
57.5°	5.2	5.2	5.2	6.3	7.4	10.6	12.6	12.6
60°	5.2	5.2	5.2	5.2	7.4	9.5	11.7	8.5



TEST NUMBER: P1212530

CATALOG NUMBER: LDSQA6A35935D010TE 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	8.5	9.5	6.3
64°	5.2	5.2	5.2	6.3	6.3	8.5	8.5	6.3
65°	5.2	5.2	5.2	5.2	6.3	7.4	8.5	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	3.2
80°	5.2	5.2	6.3	6.3	5.2	4.1	3.2	3.2
82.5°	5.2	5.2	6.3	6.3	5.2	4.1	3.2	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	3.2	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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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



— 0°-180° - - 45°-225° - - - 90°-270°

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Scaled Data Report





61°	3.2	3.2	3.2	3.2	3.2	3.2	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	3.2	3.2	3.2

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Scaled Data Report



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Peachtree City, GA 30269

Scaled Data Report



61°	5.2	5.2	4.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
62°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report





61°	3.2	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2
62°	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.2

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Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269

Scaled Data Report





61°	5.2	5.2	5.2	5.2	7.4	9.5	10.6	7.4
62°	5.2	5.2	5.2	5.2	7.4	9.5	9.5	7.4

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)