Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244950

Luminaire Tested: **LD8B10D010 ER8B10827 8LBSW0WMH**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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1121 Highway 74 South
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Test Information

Test Method:	LM-79-08
Report Number:	P244950
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab:	INNOVATION CENTER-P1
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B10D010 ER8B10827 8LBSW0WMH
Description:	PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF RECESSED DOWNLIGHT
	80 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1060.0 lumens
Efficiency:	N/A
Efficacy:	103.9 lumens/watt
Spacing Criteria (0/90/45):	1.2 / 1.23 / 1.15
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	10.2
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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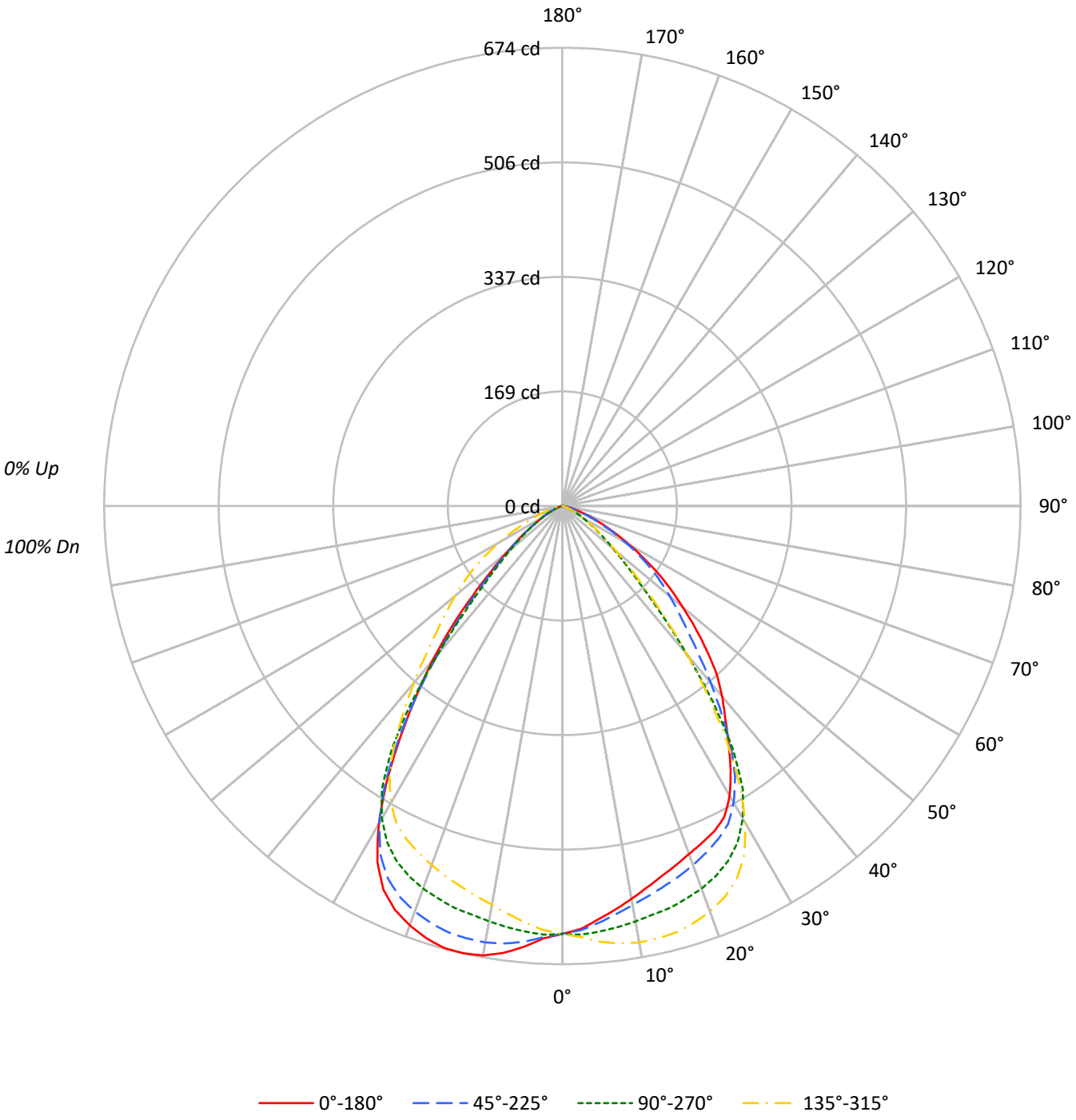
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19405	19405	19405	19405
5°	18888	19452	20145	19452
10°	18368	19426	21023	19426
15°	17999	19541	21482	19541
20°	17878	19653	21537	19653
25°	17972	19611	21190	19611
30°	17526	18896	19235	18896
35°	16033	16484	15637	16484
40°	14721	11464	11972	11464
45°	13078	6995	8094	6995
50°	11072	4673	5191	4673
55°	9166	3188	3371	3188
60°	6994	2122	2140	2122
65°	4954	1321	1211	1321
70°	3570	884	802	884
75°	2264	441	369	441
80°	1580	320	266	320
85°	1415	0	106	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	5.7
10°-20°	173.4	16.4
20°-30°	262.6	24.8
30°-40°	263.2	24.8
40°-50°	165.3	15.6
50°-60°	88.1	8.3
60°-70°	36.2	3.4
70°-80°	9.6	0.9
80°-90°	1.6	0.2
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°	496.0	46.8
0°-40°	759.2	71.6
0°-60°	1012.6	95.5
0°-90°	1060.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	629	629	629	629	629	
5°	610	628	651	628	610	58
15°	564	612	673	612	564	159
25°	528	576	623	576	528	242
35°	426	438	415	438	426	267
45°	300	160	186	160	300	231
55°	170	59	63	59	170	152
65°	68	18	17	18	68	70
75°	19	4	3	4	19	22
85°	4	0	0	0	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	622.8	622.2	621.9	622.5	622.8	624.1	623.8	624.4	624.4	624.7	625.3
5°	610.2	609.9	610.2	610.2	611.5	612.7	612.4	613.3	613.9	615.5	616.1
7.5°	598.6	598.6	598.3	599.5	600.1	601.9	601.6	603.2	604.1	605.6	607.8
10°	586.6	586.6	586.9	587.8	588.1	590.9	590.9	593.0	594.3	595.8	598.6
12.5°	*574.9*	*574.9*	*576.8*	*576.1*	*577.4*	*579.5*	*580.4*	*582.6*	*584.4*	*587.5*	*590.3*
15°	563.8	563.8	564.5	566.0	566.9	569.7	571.2	573.7	575.8	578.9	582.9
17.5°	554.3	554.0	554.3	556.2	558.0	560.5	561.7	564.8	566.9	570.9	574.6
20°	544.8	545.4	545.4	546.9	548.2	551.2	552.5	555.9	558.3	562.0	566.3
22.5°	536.5	536.2	536.2	538.3	539.3	542.0	543.2	546.3	549.1	552.2	556.2
25°	528.2	527.6	528.8	529.1	529.7	532.8	533.7	535.9	538.6	541.4	545.4
27.5°	515.9	515.3	515.6	516.8	517.8	520.2	520.8	523.0	525.1	527.6	531.0
30°	492.2	491.6	491.3	493.5	494.4	496.2	497.2	500.9	501.5	504.2	506.7
32.5°	460.9	460.6	461.2	463.0	464.0	466.4	467.7	469.8	471.3	472.9	475.3
35°	425.9	425.3	425.9	427.7	427.7	429.9	430.8	431.7	431.4	431.7	431.1
37.5°	393.3	393.0	393.3	394.2	393.3	394.2	393.3	391.5	388.1	384.4	380.7
40°	365.7	366.0	364.1	365.3	362.0	361.4	358.0	353.4	346.6	339.2	328.8
42.5°	336.2	335.2	334.0	334.6	331.9	329.7	324.2	318.3	309.7	297.4	284.8
45°	299.9	299.6	299.0	298.7	296.8	294.7	290.1	283.3	273.8	261.2	246.1
47.5°	264.6	263.6	263.6	263.9	261.8	261.5	257.8	252.0	243.7	231.4	215.7
50°	230.8	230.4	231.1	232.3	230.8	230.1	227.7	223.7	216.3	205.9	191.1
52.5°	200.3	200.0	200.7	202.2	201.6	202.2	199.7	196.7	191.7	181.6	168.7
55°	170.5	170.5	170.5	172.4	172.4	172.4	171.1	169.3	164.7	157.3	145.3
57.5°	139.5	139.8	141.7	142.0	141.7	142.3	142.0	140.1	137.0	131.8	122.6
60°	113.4	113.4	114.3	115.2	114.9	115.2	115.2	114.3	111.2	106.9	99.6
62.5°	89.7	90.6	90.0	90.6	91.9	90.6	90.0	89.4	87.3	84.5	78.4
65°	67.9	68.5	68.5	68.8	68.2	68.5	67.3	66.4	65.1	62.1	58.1
67.5°	51.6	51.6	51.6	51.6	51.3	51.0	50.7	49.8	47.6	46.4	42.1
70°	39.6	37.8	37.8	37.8	37.8	38.1	37.2	36.0	35.3	33.2	30.1
72.5°	26.4	27.0	26.4	26.4	25.8	26.1	24.9	24.3	23.7	22.4	20.6
75°	19.0	17.5	18.1	18.4	17.5	18.1	16.9	15.7	15.7	14.7	13.8
77.5°	12.3	12.0	12.3	12.6	12.3	12.0	11.4	10.8	10.8	10.4	9.5
80°	8.9	8.6	8.6	8.6	8.3	8.6	8.0	8.0	7.4	7.1	6.5
82.5°	5.8	5.8	5.5	5.8	5.5	5.8	4.9	4.9	4.9	4.6	4.0
85°	4.0	3.4	3.4	3.7	3.1	3.7	3.4	3.1	2.8	2.8	2.5
87.5°	1.8	2.2	1.8	2.2	1.8	1.8	2.2	1.8	1.8	1.2	1.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	626.2	626.5	626.5	627.8	628.4	628.7	628.7	631.1	630.2	630.8	631.4
5°	617.3	619.1	619.8	619.8	623.1	624.4	625.6	628.4	628.7	630.5	632.7
7.5°	608.7	610.8	612.1	614.8	617.0	619.1	622.8	624.7	626.5	629.0	631.7
10°	600.4	602.9	605.3	607.5	610.8	613.6	616.1	620.4	622.5	625.9	629.6
12.5°	*592.4*	*595.8*	*597.9*	*601.6*	*605.3*	*607.8*	*611.5*	*615.5*	*618.8*	*622.2*	*626.5*
15°	585.4	589.3	591.8	595.8	599.8	603.2	607.2	612.1	614.5	618.5	622.5
17.5°	577.7	582.0	585.0	588.7	593.6	597.3	600.7	605.6	608.7	613.0	617.6
20°	569.7	574.0	577.7	581.4	586.3	590.0	594.0	598.9	602.2	606.5	610.2
22.5°	560.2	564.2	568.1	572.4	577.4	580.4	585.0	589.3	593.0	597.0	600.7
25°	547.9	552.8	555.9	559.8	563.8	567.2	572.1	576.4	579.5	583.2	586.6
27.5°	533.4	537.1	539.6	542.9	546.9	550.0	553.7	558.0	561.1	564.5	566.9
30°	508.8	512.2	514.4	516.8	520.8	523.6	526.7	530.7	532.8	535.3	537.4
32.5°	476.6	479.3	480.6	482.4	485.2	487.9	490.4	493.8	494.7	496.2	496.2
35°	429.9	430.5	430.2	430.8	432.0	433.6	435.7	437.9	439.1	439.1	438.2
37.5°	375.2	371.5	367.5	364.4	363.5	362.9	364.1	365.0	366.3	366.9	365.3
40°	318.3	310.0	301.1	293.1	287.6	285.2	284.2	284.8	284.8	287.0	287.0
42.5°	269.5	256.6	243.4	231.4	223.4	217.2	214.5	214.5	214.8	216.3	217.2
45°	228.9	212.6	197.3	184.1	173.0	165.0	161.3	160.4	160.1	160.7	162.8
47.5°	197.9	181.0	165.0	148.7	137.0	129.1	125.7	124.4	123.2	124.4	124.8
50°	173.6	156.1	139.2	122.9	110.6	103.5	99.2	97.4	97.1	97.1	97.7
52.5°	151.5	135.2	118.3	101.7	88.8	82.0	78.0	77.1	75.9	77.1	77.1
55°	130.6	114.3	97.7	82.0	71.3	64.2	60.5	59.3	58.7	59.6	59.6
57.5°	107.9	94.0	78.7	64.5	53.8	48.9	46.1	44.6	44.2	44.9	44.2
60°	88.5	76.8	63.6	50.7	42.4	37.2	35.0	34.4	33.8	34.4	34.4
62.5°	70.1	60.2	49.5	39.6	32.6	28.9	26.4	26.4	26.1	26.1	26.4
65°	51.9	44.2	36.6	28.3	22.7	20.0	18.1	18.1	17.8	18.1	17.8
67.5°	37.8	32.6	26.4	20.6	16.3	14.7	13.5	12.6	13.2	12.6	12.3
70°	27.7	23.3	19.0	15.7	12.6	11.1	10.1	9.8	9.2	9.2	9.2
72.5°	18.4	15.7	12.9	10.1	8.3	6.8	6.5	5.8	5.2	5.5	6.1
75°	12.3	10.4	9.2	7.4	5.5	5.5	3.7	3.7	3.1	3.7	2.8
77.5°	8.6	7.1	5.5	4.6	3.7	3.4	2.5	2.5	2.2	2.2	2.2
80°	6.1	5.2	4.0	3.4	2.5	2.5	2.2	1.8	1.5	1.5	1.8
82.5°	3.7	2.8	2.8	2.5	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.2	1.8	1.5	0.9	0.6	0.6	0.3	0.0	0.3	0.3	0.0
87.5°	1.2	0.6	0.6	0.3	0.0	0.3	0.3	0.0	0.0	0.0	0.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	633.0	632.7	633.3	633.3	635.1	634.8	635.7	635.7	635.1	635.4	636.7
5°	635.1	636.1	637.9	639.4	642.2	643.4	645.0	646.5	646.8	647.7	648.7
7.5°	635.1	638.2	640.4	643.1	646.8	649.0	652.3	655.1	656.3	657.9	659.7
10°	633.9	637.0	641.0	644.0	648.7	652.0	655.4	659.7	661.6	664.0	666.5
12.5°	*631.4*	*634.8*	*639.1*	*643.1*	*648.3*	*651.4*	*655.7*	*659.7*	*662.5*	*665.9*	*668.6*
15°	627.8	631.7	635.7	639.7	645.3	649.0	653.0	657.6	660.3	664.0	666.5
17.5°	621.9	626.2	629.9	633.6	638.8	643.1	646.8	651.1	653.9	656.9	660.3
20°	614.8	618.8	622.8	625.9	631.1	634.8	638.8	642.8	645.0	645.6	650.8
22.5°	605.9	608.7	611.8	616.7	619.8	623.1	626.8	630.5	632.7	636.1	637.9
25°	591.2	594.0	597.3	599.5	603.2	605.9	609.6	613.6	614.8	617.3	619.1
27.5°	570.6	572.1	573.7	575.5	577.7	579.2	581.4	583.2	584.4	585.7	586.9
30°	538.0	538.0	538.0	536.8	537.7	538.6	538.9	538.6	538.6	538.3	538.3
32.5°	495.0	492.6	489.8	487.3	486.4	485.2	484.6	483.6	482.1	481.2	481.5
35°	436.9	431.4	428.0	425.0	422.5	420.7	419.7	418.8	418.5	417.3	416.0
37.5°	364.4	360.4	358.0	356.1	354.0	352.1	352.4	352.8	353.7	353.1	353.4
40°	287.6	286.7	287.6	285.5	284.8	285.5	287.0	289.1	290.4	291.6	293.8
42.5°	218.8	220.3	222.5	222.5	223.4	224.6	226.5	229.8	231.7	233.8	236.3
45°	164.7	166.5	169.3	170.2	170.8	172.4	174.5	177.3	178.5	180.4	182.5
47.5°	126.9	128.1	129.7	131.2	132.7	133.4	135.5	135.5	137.0	138.3	138.9
50°	98.9	100.2	101.4	102.3	102.9	103.9	104.5	105.4	105.7	106.3	106.6
52.5°	77.4	79.0	79.0	79.6	80.5	81.4	81.1	81.4	81.7	81.7	82.7
55°	60.5	60.5	61.5	61.5	62.1	61.8	62.1	62.1	62.1	62.1	62.4
57.5°	45.2	45.5	46.4	45.8	45.5	46.1	45.5	46.1	45.8	46.4	45.5
60°	34.7	34.7	35.0	35.0	35.3	35.3	35.3	35.0	35.0	34.7	34.7
62.5°	26.1	26.4	26.7	26.4	26.4	26.4	26.1	26.1	25.8	25.5	25.5
65°	17.5	17.2	17.8	17.2	17.5	17.5	17.2	17.5	16.6	16.9	16.6
67.5°	12.6	12.3	12.0	12.3	12.0	11.7	11.7	12.0	12.3	11.4	11.4
70°	8.3	8.6	8.3	8.6	8.9	8.9	8.6	8.3	8.6	8.0	8.3
72.5°	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	4.9	4.9	4.6
75°	2.5	3.4	2.8	2.5	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.5	1.8	1.5
80°	1.2	1.2	1.2	0.9	1.2	1.2	1.5	1.2	1.2	0.9	1.5
82.5°	0.6	0.6	0.6	0.0	0.3	0.6	0.6	0.3	0.6	0.6	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

Scaled Data Report

TEST NUMBER: P244950
CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	629.3	629.3	*629.3*	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	636.4	636.1	*636.4*	636.7	636.4	636.1	636.4	636.7	635.4	635.1	635.7
5°	649.9	649.9	*650.5*	650.8	650.5	649.9	649.9	648.7	647.7	646.8	646.5
7.5°	661.6	662.2	*662.8*	663.1	662.8	662.2	661.6	659.7	657.9	656.3	655.1
10°	668.6	669.5	*670.8*	671.4	670.8	669.5	668.6	666.5	664.0	661.6	659.7
12.5°	*671.7*	*672.6*	*674.1*	*673.8*	*674.1*	*672.6*	*671.7*	*668.6*	*665.9*	*662.5*	*659.7*
15°	669.5	670.8	*672.3*	672.9	672.3	670.8	669.5	666.5	664.0	660.3	657.6
17.5°	662.8	664.6	*665.5*	666.5	665.5	664.6	662.8	660.3	656.9	653.9	651.1
20°	653.6	654.8	*656.0*	656.3	656.0	654.8	653.6	650.8	645.6	645.0	642.8
22.5°	640.4	641.3	*644.0*	643.1	644.0	641.3	640.4	637.9	636.1	632.7	630.5
25°	621.3	622.2	*622.5*	622.8	622.5	622.2	621.3	619.1	617.3	614.8	613.6
27.5°	588.4	588.4	*589.0*	589.3	589.0	588.4	588.4	586.9	585.7	584.4	583.2
30°	538.6	538.6	*538.6*	540.2	538.6	538.6	538.6	538.3	538.3	538.6	538.6
32.5°	481.2	480.6	*480.0*	480.6	480.0	480.6	481.2	481.5	481.2	482.1	483.6
35°	416.0	415.7	*416.7*	415.4	416.7	415.7	416.0	416.0	417.3	418.5	418.8
37.5°	353.7	353.1	*354.3*	353.1	354.3	353.1	353.7	353.4	353.1	353.7	352.8
40°	294.4	295.0	*295.0*	297.4	295.0	295.0	294.4	293.8	291.6	290.4	289.1
42.5°	237.5	239.4	*238.7*	240.6	238.7	239.4	237.5	236.3	233.8	231.7	229.8
45°	183.7	185.0	*185.0*	185.6	185.0	185.0	183.7	182.5	180.4	178.5	177.3
47.5°	141.0	141.0	*141.0*	141.3	141.0	141.0	141.0	138.9	138.3	137.0	135.5
50°	107.2	107.5	*107.9*	108.2	107.9	107.5	107.2	106.6	106.3	105.7	105.4
52.5°	82.3	82.7	*82.0*	82.7	82.0	82.7	82.3	82.7	81.7	81.7	81.4
55°	62.4	62.1	*62.4*	62.7	62.4	62.1	62.4	62.4	62.1	62.1	62.1
57.5°	45.8	45.2	*45.2*	45.2	45.2	45.2	45.8	45.5	46.4	45.8	46.1
60°	34.1	34.4	*34.4*	34.7	34.4	34.4	34.1	34.7	34.7	35.0	35.0
62.5°	25.2	26.1	*25.5*	26.1	25.5	26.1	25.2	25.5	25.5	25.8	26.1
65°	16.3	16.3	*16.3*	16.6	16.3	16.3	16.3	16.6	16.9	16.6	17.5
67.5°	11.1	11.4	*12.0*	11.7	12.0	11.4	11.1	11.4	11.4	12.3	12.0
70°	8.9	8.0	*8.0*	8.9	8.0	8.0	8.9	8.3	8.0	8.6	8.3
72.5°	5.2	4.6	*5.2*	5.2	5.2	4.6	5.2	4.6	4.9	4.9	5.5
75°	2.8	2.5	*2.2*	3.1	2.2	2.5	2.8	2.8	2.8	2.8	3.1
77.5°	1.8	1.5	*2.2*	2.2	2.2	1.5	1.8	1.5	1.8	1.5	1.8
80°	0.9	1.2	*0.9*	1.5	0.9	1.2	0.9	1.5	0.9	1.2	1.2
82.5°	0.3	0.6	*0.6*	0.6	0.6	0.6	0.3	0.3	0.6	0.6	0.3
85°	0.0	0.6	*0.3*	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.0	*0.0*	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
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

Scaled Data Report

TEST NUMBER: P244950
CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	635.7	634.8	635.1	633.3	633.3	632.7	633.0	631.4	630.8	630.2	631.1
5°	645.0	643.4	642.2	639.4	637.9	636.1	635.1	632.7	630.5	628.7	628.4
7.5°	652.3	649.0	646.8	643.1	640.4	638.2	635.1	631.7	629.0	626.5	624.7
10°	655.4	652.0	648.7	644.0	641.0	637.0	633.9	629.6	625.9	622.5	620.4
12.5°	*655.7*	*651.4*	*648.3*	*643.1*	*639.1*	*634.8*	*631.4*	*626.5*	*622.2*	*618.8*	*615.5*
15°	653.0	649.0	645.3	639.7	635.7	631.7	627.8	622.5	618.5	614.5	612.1
17.5°	646.8	643.1	638.8	633.6	629.9	626.2	621.9	617.6	613.0	608.7	605.6
20°	638.8	634.8	631.1	625.9	622.8	618.8	614.8	610.2	606.5	602.2	598.9
22.5°	626.8	623.1	619.8	616.7	611.8	608.7	605.9	600.7	597.0	593.0	589.3
25°	609.6	605.9	603.2	599.5	597.3	594.0	591.2	586.6	583.2	579.5	576.4
27.5°	581.4	579.2	577.7	575.5	573.7	572.1	570.6	566.9	564.5	561.1	558.0
30°	538.9	538.6	537.7	536.8	538.0	538.0	538.0	537.4	535.3	532.8	530.7
32.5°	484.6	485.2	486.4	487.3	489.8	492.6	495.0	496.2	496.2	494.7	493.8
35°	419.7	420.7	422.5	425.0	428.0	431.4	436.9	438.2	439.1	439.1	437.9
37.5°	352.4	352.1	354.0	356.1	358.0	360.4	364.4	365.3	366.9	366.3	365.0
40°	287.0	285.5	284.8	285.5	287.6	286.7	287.6	287.0	287.0	284.8	284.8
42.5°	226.5	224.6	223.4	222.5	222.5	220.3	218.8	217.2	216.3	214.8	214.5
45°	174.5	172.4	170.8	170.2	169.3	166.5	164.7	162.8	160.7	160.1	160.4
47.5°	135.5	133.4	132.7	131.2	129.7	128.1	126.9	124.8	124.4	123.2	124.4
50°	104.5	103.9	102.9	102.3	101.4	100.2	98.9	97.7	97.1	97.1	97.4
52.5°	81.1	81.4	80.5	79.6	79.0	79.0	77.4	77.1	77.1	75.9	77.1
55°	62.1	61.8	62.1	61.5	61.5	60.5	60.5	59.6	59.6	58.7	59.3
57.5°	45.5	46.1	45.5	45.8	46.4	45.5	45.2	44.2	44.9	44.2	44.6
60°	35.3	35.3	35.3	35.0	35.0	34.7	34.7	34.4	34.4	33.8	34.4
62.5°	26.1	26.4	26.4	26.4	26.7	26.4	26.1	26.4	26.1	26.1	26.4
65°	17.2	17.5	17.5	17.2	17.8	17.2	17.5	17.8	18.1	17.8	18.1
67.5°	11.7	11.7	12.0	12.3	12.0	12.3	12.6	12.3	12.6	13.2	12.6
70°	8.6	8.9	8.9	8.6	8.3	8.6	8.3	9.2	9.2	9.2	9.8
72.5°	5.5	5.5	5.2	5.2	5.2	5.2	5.2	6.1	5.5	5.2	5.8
75°	3.1	3.4	3.4	2.5	2.8	3.4	2.5	2.8	3.7	3.1	3.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.5	2.2	2.2	2.2	2.5
80°	1.5	1.2	1.2	0.9	1.2	1.2	1.2	1.8	1.5	1.5	1.8
82.5°	0.6	0.6	0.3	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
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

Scaled Data Report

TEST NUMBER: P244950
CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	628.7	628.7	628.4	627.8	626.5	626.5	626.2	625.3	624.7	624.4	624.4
5°	625.6	624.4	623.1	619.8	619.8	619.1	617.3	616.1	615.5	613.9	613.3
7.5°	622.8	619.1	617.0	614.8	612.1	610.8	608.7	607.8	605.6	604.1	603.2
10°	616.1	613.6	610.8	607.5	605.3	602.9	600.4	598.6	595.8	594.3	593.0
12.5°	*611.5*	*607.8*	*605.3*	*601.6*	*597.9*	*595.8*	*592.4*	*590.3*	*587.5*	*584.4*	*582.6*
15°	607.2	603.2	599.8	595.8	591.8	589.3	585.4	582.9	578.9	575.8	573.7
17.5°	600.7	597.3	593.6	588.7	585.0	582.0	577.7	574.6	570.9	566.9	564.8
20°	594.0	590.0	586.3	581.4	577.7	574.0	569.7	566.3	562.0	558.3	555.9
22.5°	585.0	580.4	577.4	572.4	568.1	564.2	560.2	556.2	552.2	549.1	546.3
25°	572.1	567.2	563.8	559.8	555.9	552.8	547.9	545.4	541.4	538.6	535.9
27.5°	553.7	550.0	546.9	542.9	539.6	537.1	533.4	531.0	527.6	525.1	523.0
30°	526.7	523.6	520.8	516.8	514.4	512.2	508.8	506.7	504.2	501.5	500.9
32.5°	490.4	487.9	485.2	482.4	480.6	479.3	476.6	475.3	472.9	471.3	469.8
35°	435.7	433.6	432.0	430.8	430.2	430.5	429.9	431.1	431.7	431.4	431.7
37.5°	364.1	362.9	363.5	364.4	367.5	371.5	375.2	380.7	384.4	388.1	391.5
40°	284.2	285.2	287.6	293.1	301.1	310.0	318.3	328.8	339.2	346.6	353.4
42.5°	214.5	217.2	223.4	231.4	243.4	256.6	269.5	284.8	297.4	309.7	318.3
45°	161.3	165.0	173.0	184.1	197.3	212.6	228.9	246.1	261.2	273.8	283.3
47.5°	125.7	129.1	137.0	148.7	165.0	181.0	197.9	215.7	231.4	243.7	252.0
50°	99.2	103.5	110.6	122.9	139.2	156.1	173.6	191.1	205.9	216.3	223.7
52.5°	78.0	82.0	88.8	101.7	118.3	135.2	151.5	168.7	181.6	191.7	196.7
55°	60.5	64.2	71.3	82.0	97.7	114.3	130.6	145.3	157.3	164.7	169.3
57.5°	46.1	48.9	53.8	64.5	78.7	94.0	107.9	122.6	131.8	137.0	140.1
60°	35.0	37.2	42.4	50.7	63.6	76.8	88.5	99.6	106.9	111.2	114.3
62.5°	26.4	28.9	32.6	39.6	49.5	60.2	70.1	78.4	84.5	87.3	89.4
65°	18.1	20.0	22.7	28.3	36.6	44.2	51.9	58.1	62.1	65.1	66.4
67.5°	13.5	14.7	16.3	20.6	26.4	32.6	37.8	42.1	46.4	47.6	49.8
70°	10.1	11.1	12.6	15.7	19.0	23.3	27.7	30.1	33.2	35.3	36.0
72.5°	6.5	6.8	8.3	10.1	12.9	15.7	18.4	20.6	22.4	23.7	24.3
75°	3.7	5.5	5.5	7.4	9.2	10.4	12.3	13.8	14.7	15.7	15.7
77.5°	2.5	3.4	3.7	4.6	5.5	7.1	8.6	9.5	10.4	10.8	10.8
80°	2.2	2.5	2.5	3.4	4.0	5.2	6.1	6.5	7.1	7.4	8.0
82.5°	0.9	1.2	1.5	2.5	2.8	2.8	3.7	4.0	4.6	4.9	4.9
85°	0.3	0.6	0.6	0.9	1.5	1.8	2.2	2.5	2.8	2.8	3.1
87.5°	0.3	0.3	0.0	0.3	0.6	0.6	1.2	1.2	1.2	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

Scaled Data Report

TEST NUMBER: P244950
CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	629.3	629.3	629.3	629.3	629.3	629.3	629.3
2.5°	623.8	624.1	622.8	622.5	621.9	622.2	622.8
5°	612.4	612.7	611.5	610.2	610.2	609.9	610.2
7.5°	601.6	601.9	600.1	599.5	598.3	598.6	598.6
10°	590.9	590.9	588.1	587.8	586.9	586.6	586.6
12.5°	*580.4*	*579.5*	*577.4*	*576.1*	*576.8*	*574.9*	*574.9*
15°	571.2	569.7	566.9	566.0	564.5	563.8	563.8
17.5°	561.7	560.5	558.0	556.2	554.3	554.0	554.3
20°	552.5	551.2	548.2	546.9	545.4	545.4	544.8
22.5°	543.2	542.0	539.3	538.3	536.2	536.2	536.5
25°	533.7	532.8	529.7	529.1	528.8	527.6	528.2
27.5°	520.8	520.2	517.8	516.8	515.6	515.3	515.9
30°	497.2	496.2	494.4	493.5	491.3	491.6	492.2
32.5°	467.7	466.4	464.0	463.0	461.2	460.6	460.9
35°	430.8	429.9	427.7	427.7	425.9	425.3	425.9
37.5°	393.3	394.2	393.3	394.2	393.3	393.0	393.3
40°	358.0	361.4	362.0	365.3	364.1	366.0	365.7
42.5°	324.2	329.7	331.9	334.6	334.0	335.2	336.2
45°	290.1	294.7	296.8	298.7	299.0	299.6	299.9
47.5°	257.8	261.5	261.8	263.9	263.6	263.6	264.6
50°	227.7	230.1	230.8	232.3	231.1	230.4	230.8
52.5°	199.7	202.2	201.6	202.2	200.7	200.0	200.3
55°	171.1	172.4	172.4	172.4	170.5	170.5	170.5
57.5°	142.0	142.3	141.7	142.0	141.7	139.8	139.5
60°	115.2	115.2	114.9	115.2	114.3	113.4	113.4
62.5°	90.0	90.6	91.9	90.6	90.0	90.6	89.7
65°	67.3	68.5	68.2	68.8	68.5	68.5	67.9
67.5°	50.7	51.0	51.3	51.6	51.6	51.6	51.6
70°	37.2	38.1	37.8	37.8	37.8	37.8	39.6
72.5°	24.9	26.1	25.8	26.4	26.4	27.0	26.4
75°	16.9	18.1	17.5	18.4	18.1	17.5	19.0
77.5°	11.4	12.0	12.3	12.6	12.3	12.0	12.3
80°	8.0	8.6	8.3	8.6	8.6	8.6	8.9
82.5°	4.9	5.8	5.5	5.8	5.5	5.8	5.8
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.0
87.5°	2.2	1.8	1.8	2.2	1.8	2.2	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)