

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: P245011

Luminaire Tested: **LD8B15D010 ER8B159727 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245011
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: LD8B15D010 ER8B159727 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1066.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

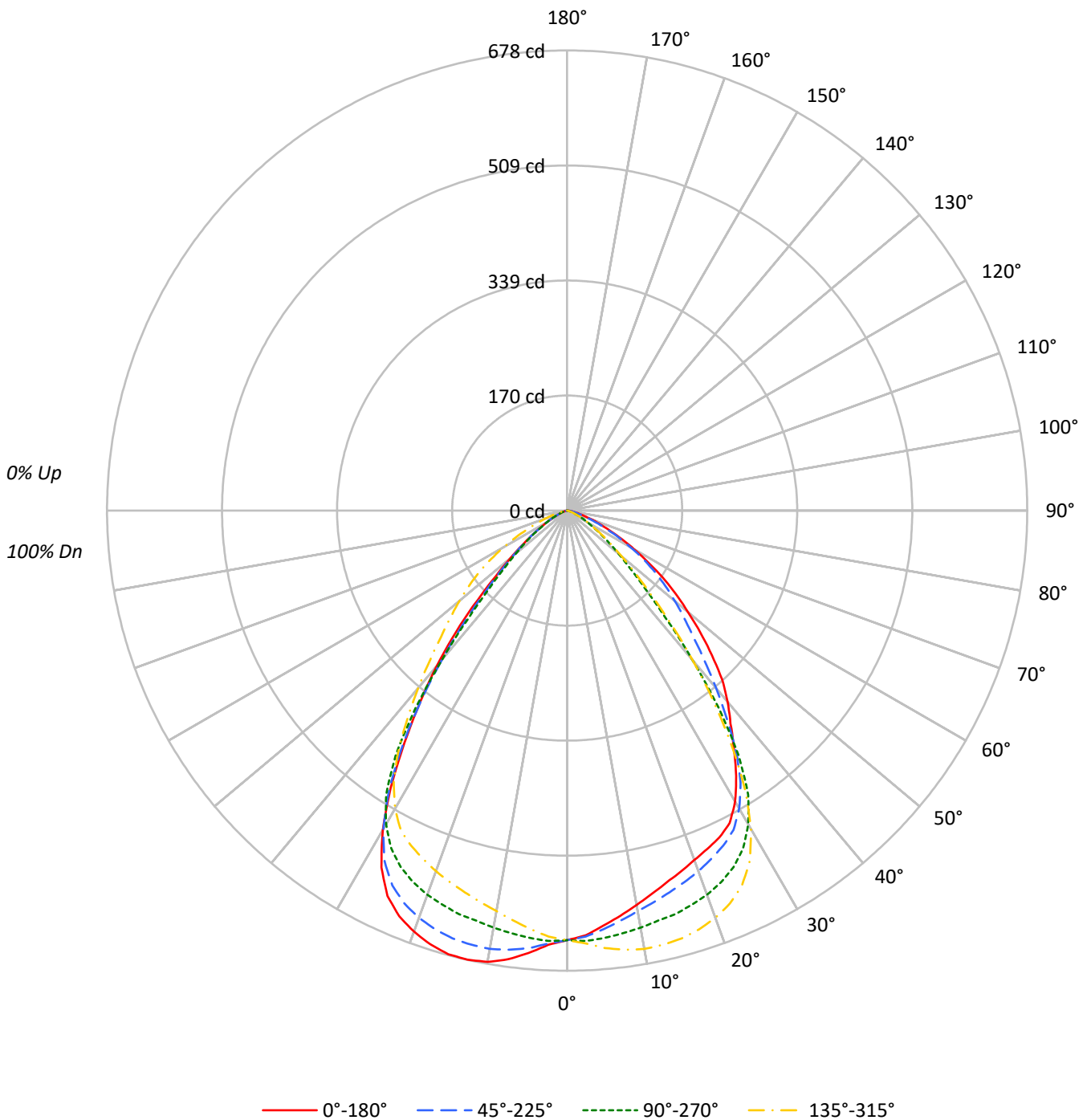
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	5.7
10°-20°	174.4	16.4
20°-30°	264.1	24.8
30°-40°	264.7	24.8
40°-50°	166.2	15.6
50°-60°	88.6	8.3
60°-70°	36.4	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°	498.8	46.8
0°-40°	763.5	71.6
0°-60°	1018.3	95.5
0°-90°	1066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	633	633	633	633	633	
5°	614	632	654	632	614	58
15°	567	616	677	616	567	160
25°	531	580	626	580	531	244
35°	428	440	418	440	428	268
45°	302	161	187	161	302	232
55°	172	60	63	60	172	153
65°	68	18	17	18	68	71
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°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	626.4	625.7	625.4	626.1	626.4	627.6	627.3	627.9	627.9	628.2	628.8
5°	613.7	613.4	613.7	613.7	614.9	616.2	615.9	616.8	617.4	618.9	619.6
7.5°	602.0	602.0	601.6	602.9	603.5	605.4	605.0	606.6	607.5	609.1	611.2
10°	589.9	589.9	590.2	591.1	591.4	594.2	594.2	596.4	597.6	599.2	602.0
12.5°	578.2	578.2	580.0	579.4	580.6	582.8	583.7	585.9	587.7	590.8	593.6
15°	567.0	567.0	567.7	569.2	570.1	572.9	574.4	576.9	579.1	582.2	586.2
17.5°	557.5	557.1	557.5	559.3	561.2	563.6	564.9	568.0	570.1	574.1	577.9
20°	547.9	548.5	548.5	550.0	551.3	554.4	555.6	559.0	561.5	565.2	569.5
22.5°	539.5	539.2	539.2	541.4	542.3	545.1	546.3	549.4	552.2	555.3	559.3
25°	531.2	530.6	531.8	532.1	532.7	535.8	536.7	538.9	541.7	544.5	548.5
27.5°	518.8	518.2	518.5	519.8	520.7	523.1	523.8	525.9	528.1	530.6	534.0
30°	495.0	494.4	494.1	496.3	497.2	499.0	500.0	503.7	504.3	507.1	509.6
32.5°	463.5	463.2	463.8	465.7	466.6	469.1	470.3	472.5	474.0	475.6	478.0
35°	428.3	427.7	428.3	430.1	430.1	432.3	433.2	434.2	433.8	434.2	433.5
37.5°	395.5	395.2	395.5	396.5	395.5	396.5	395.5	393.7	390.3	386.6	382.9
40°	367.7	368.0	366.2	367.4	364.0	363.4	360.0	355.4	348.6	341.2	330.6
42.5°	338.1	337.1	335.9	336.5	333.7	331.6	326.0	320.1	311.5	299.1	286.4
45°	301.6	301.3	300.7	300.4	298.5	296.3	291.7	284.9	275.3	262.7	247.5
47.5°	266.1	265.1	265.1	265.4	263.3	263.0	259.3	253.4	245.0	232.7	216.9
50°	232.1	231.8	232.4	233.6	232.1	231.4	229.0	225.0	217.5	207.0	192.2
52.5°	201.5	201.2	201.8	203.3	202.7	203.3	200.9	197.8	192.8	182.6	169.6
55°	171.5	171.5	171.5	173.3	173.3	173.3	172.1	170.3	165.6	158.2	146.2
57.5°	140.3	140.6	142.5	142.8	142.5	143.1	142.8	140.9	137.8	132.6	123.3
60°	114.0	114.0	115.0	115.9	115.6	115.9	115.9	115.0	111.9	107.5	100.1
62.5°	90.2	91.2	90.5	91.2	92.4	91.2	90.5	89.9	87.8	85.0	78.8
65°	68.3	68.9	68.9	69.2	68.6	68.9	67.7	66.7	65.5	62.4	58.4
67.5°	51.9	51.9	51.9	51.9	51.6	51.3	51.0	50.1	47.9	46.7	42.3
70°	39.9	38.0	38.0	38.0	38.0	38.3	37.4	36.2	35.5	33.4	30.3
72.5°	26.6	27.2	26.6	26.6	26.0	26.3	25.0	24.4	23.8	22.6	20.7
75°	19.2	17.6	18.2	18.5	17.6	18.2	17.0	15.8	15.8	14.8	13.9
77.5°	12.4	12.1	12.4	12.7	12.4	12.1	11.4	10.8	10.8	10.5	9.6
80°	9.0	8.6	8.6	8.6	8.3	8.6	8.0	8.0	7.4	7.1	6.5
82.5°	5.9	5.9	5.6	5.9	5.6	5.9	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°	1.9	2.2	1.9	2.2	1.9	1.9	2.2	1.9	1.9	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°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	629.8	630.1	630.1	631.3	631.9	632.2	632.2	634.7	633.8	634.4	635.0
5°	620.8	622.6	623.3	623.3	626.7	627.9	629.1	631.9	632.2	634.1	636.2
7.5°	612.1	614.3	615.6	618.3	620.5	622.6	626.4	628.2	630.1	632.5	635.3
10°	603.8	606.3	608.7	610.9	614.3	617.1	619.6	623.9	626.1	629.5	633.2
12.5°	595.8	599.2	601.3	605.0	608.7	611.2	614.9	618.9	622.3	625.7	630.1
15°	588.7	592.7	595.2	599.2	603.2	606.6	610.6	615.6	618.0	622.0	626.1
17.5°	580.9	585.3	588.4	592.1	597.0	600.7	604.1	609.1	612.1	616.5	621.1
20°	572.9	577.2	580.9	584.6	589.6	593.3	597.3	602.3	605.7	610.0	613.7
22.5°	563.3	567.3	571.4	575.7	580.6	583.7	588.4	592.7	596.4	600.4	604.1
25°	551.0	555.9	559.0	563.0	567.0	570.4	575.4	579.7	582.8	586.5	589.9
27.5°	536.4	540.2	542.6	546.0	550.0	553.1	556.8	561.2	564.3	567.7	570.1
30°	511.7	515.1	517.3	519.8	523.8	526.6	529.6	533.7	535.8	538.3	540.5
32.5°	479.3	482.1	483.3	485.1	487.9	490.7	493.2	496.6	497.5	499.0	499.0
35°	432.3	432.9	432.6	433.2	434.5	436.0	438.2	440.3	441.6	441.6	440.7
37.5°	377.3	373.6	369.6	366.5	365.6	364.9	366.2	367.1	368.3	369.0	367.4
40°	320.1	311.8	302.8	294.8	289.2	286.8	285.8	286.4	286.4	288.6	288.6
42.5°	271.0	258.0	244.7	232.7	224.6	218.5	215.7	215.7	216.0	217.5	218.5
45°	230.2	213.8	198.4	185.1	174.0	165.9	162.2	161.3	161.0	161.6	163.8
47.5°	199.0	182.0	165.9	149.6	137.8	129.8	126.4	125.1	123.9	125.1	125.5
50°	174.6	157.0	140.0	123.6	111.2	104.1	99.8	97.9	97.6	97.6	98.3
52.5°	152.3	136.0	119.0	102.3	89.3	82.5	78.5	77.6	76.3	77.6	77.6
55°	131.3	115.0	98.3	82.5	71.7	64.6	60.9	59.6	59.0	59.9	59.9
57.5°	108.5	94.6	79.1	64.9	54.1	49.1	46.3	44.8	44.5	45.1	44.5
60°	89.0	77.3	64.0	51.0	42.6	37.4	35.2	34.6	34.0	34.6	34.6
62.5°	70.5	60.6	49.7	39.9	32.8	29.1	26.6	26.6	26.3	26.3	26.6
65°	52.2	44.5	36.8	28.4	22.9	20.1	18.2	18.2	17.9	18.2	17.9
67.5°	38.0	32.8	26.6	20.7	16.4	14.8	13.6	12.7	13.3	12.7	12.4
70°	27.8	23.5	19.2	15.8	12.7	11.1	10.2	9.9	9.3	9.3	9.3
72.5°	18.5	15.8	13.0	10.2	8.3	6.8	6.5	5.9	5.3	5.6	6.2
75°	12.4	10.5	9.3	7.4	5.6	5.6	3.7	3.7	3.1	3.7	2.8
77.5°	8.6	7.1	5.6	4.6	3.7	3.4	2.5	2.5	2.2	2.2	2.2
80°	6.2	5.3	4.0	3.4	2.5	2.5	2.2	1.9	1.5	1.5	1.9
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	1.9	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°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	636.6	636.2	636.9	636.9	638.7	638.4	639.3	639.3	638.7	639.0	640.3
5°	638.7	639.7	641.5	643.1	645.8	647.1	648.6	650.2	650.5	651.4	652.3
7.5°	638.7	641.8	644.0	646.8	650.5	652.6	656.0	658.8	660.0	661.6	663.4
10°	637.5	640.6	644.6	647.7	652.3	655.7	659.1	663.4	665.3	667.8	670.2
12.5°	635.0	638.4	642.7	646.8	652.0	655.1	659.4	663.4	666.2	669.6	672.4
15°	631.3	635.3	639.3	643.4	648.9	652.6	656.6	661.3	664.1	667.8	670.2
17.5°	625.4	629.8	633.5	637.2	642.4	646.8	650.5	654.8	657.6	660.7	664.1
20°	618.3	622.3	626.4	629.5	634.7	638.4	642.4	646.4	648.6	649.2	654.5
22.5°	609.4	612.1	615.2	620.2	623.3	626.7	630.4	634.1	636.2	639.7	641.5
25°	594.5	597.3	600.7	602.9	606.6	609.4	613.1	617.1	618.3	620.8	622.6
27.5°	573.8	575.4	576.9	578.8	580.9	582.5	584.6	586.5	587.7	589.0	590.2
30°	541.1	541.1	541.1	539.8	540.8	541.7	542.0	541.7	541.7	541.4	541.4
32.5°	497.8	495.3	492.6	490.1	489.2	487.9	487.3	486.4	484.8	483.9	484.2
35°	439.4	433.8	430.5	427.4	424.9	423.0	422.1	421.2	420.9	419.6	418.4
37.5°	366.5	362.5	360.0	358.1	356.0	354.1	354.4	354.7	355.7	355.1	355.4
40°	289.2	288.3	289.2	287.1	286.4	287.1	288.6	290.8	292.0	293.3	295.4
42.5°	220.0	221.6	223.7	223.7	224.6	225.9	227.7	231.1	233.0	235.2	237.6
45°	165.6	167.5	170.3	171.2	171.8	173.3	175.5	178.3	179.5	181.4	183.5
47.5°	127.6	128.9	130.4	131.9	133.5	134.1	136.3	136.3	137.8	139.1	139.7
50°	99.5	100.7	102.0	102.9	103.5	104.4	105.1	106.0	106.3	106.9	107.2
52.5°	77.9	79.4	79.4	80.0	81.0	81.9	81.6	81.9	82.2	82.2	83.1
55°	60.9	60.9	61.8	61.8	62.4	62.1	62.4	62.4	62.4	62.4	62.7
57.5°	45.4	45.7	46.7	46.0	45.7	46.3	45.7	46.3	46.0	46.7	45.7
60°	34.9	34.9	35.2	35.2	35.5	35.5	35.5	35.2	35.2	34.9	34.9
62.5°	26.3	26.6	26.9	26.6	26.6	26.6	26.3	26.3	26.0	25.6	25.6
65°	17.6	17.3	17.9	17.3	17.6	17.6	17.3	17.6	16.7	17.0	16.7
67.5°	12.7	12.4	12.1	12.4	12.1	11.7	11.7	12.1	12.4	11.4	11.4
70°	8.3	8.6	8.3	8.6	9.0	9.0	8.6	8.3	8.6	8.0	8.3
72.5°	5.3	5.3	5.3	5.3	5.3	5.6	5.6	5.6	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	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.5	1.9	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



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	640.0	639.7	640.0	640.3	640.0	639.7	640.0	640.3	639.0	638.7	639.3
5°	653.6	653.6	654.2	654.5	654.2	653.6	653.6	652.3	651.4	650.5	650.2
7.5°	665.3	665.9	666.5	666.8	666.5	665.9	665.3	663.4	661.6	660.0	658.8
10°	672.4	673.3	674.6	675.2	674.6	673.3	672.4	670.2	667.8	665.3	663.4
12.5°	675.5	676.4	678.0	677.7	678.0	676.4	675.5	672.4	669.6	666.2	663.4
15°	673.3	674.6	676.1	676.7	676.1	674.6	673.3	670.2	667.8	664.1	661.3
17.5°	666.5	668.4	669.3	670.2	669.3	668.4	666.5	664.1	660.7	657.6	654.8
20°	657.3	658.5	659.7	660.0	659.7	658.5	657.3	654.5	649.2	648.6	646.4
22.5°	644.0	644.9	647.7	646.8	647.7	644.9	644.0	641.5	639.7	636.2	634.1
25°	624.8	625.7	626.1	626.4	626.1	625.7	624.8	622.6	620.8	618.3	617.1
27.5°	591.8	591.8	592.4	592.7	592.4	591.8	591.8	590.2	589.0	587.7	586.5
30°	541.7	541.7	541.7	543.2	541.7	541.7	541.7	541.4	541.4	541.7	541.7
32.5°	483.9	483.3	482.7	483.3	482.7	483.3	483.9	484.2	483.9	484.8	486.4
35°	418.4	418.1	419.0	417.8	419.0	418.1	418.4	418.4	419.6	420.9	421.2
37.5°	355.7	355.1	356.3	355.1	356.3	355.1	355.7	355.4	355.1	355.7	354.7
40°	296.0	296.6	296.6	299.1	296.6	296.6	296.0	295.4	293.3	292.0	290.8
42.5°	238.9	240.7	240.1	242.0	240.1	240.7	238.9	237.6	235.2	233.0	231.1
45°	184.8	186.0	186.0	186.6	186.0	186.0	184.8	183.5	181.4	179.5	178.3
47.5°	141.8	141.8	141.8	142.1	141.8	141.8	141.8	139.7	139.1	137.8	136.3
50°	107.8	108.2	108.5	108.8	108.5	108.2	107.8	107.2	106.9	106.3	106.0
52.5°	82.8	83.1	82.5	83.1	82.5	83.1	82.8	83.1	82.2	82.2	81.9
55°	62.7	62.4	62.7	63.0	62.7	62.4	62.7	62.7	62.4	62.4	62.4
57.5°	46.0	45.4	45.4	45.4	45.4	45.4	46.0	45.7	46.7	46.0	46.3
60°	34.3	34.6	34.6	34.9	34.6	34.6	34.3	34.9	34.9	35.2	35.2
62.5°	25.3	26.3	25.6	26.3	25.6	26.3	25.3	25.6	25.6	26.0	26.3
65°	16.4	16.4	16.4	16.7	16.4	16.4	16.4	16.7	17.0	16.7	17.6
67.5°	11.1	11.4	12.1	11.7	12.1	11.4	11.1	11.4	11.4	12.4	12.1
70°	9.0	8.0	8.0	9.0	8.0	8.0	9.0	8.3	8.0	8.6	8.3
72.5°	5.3	4.6	5.3	5.3	5.3	4.6	5.3	4.6	4.9	4.9	5.6
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°	1.9	1.5	2.2	2.2	2.2	1.5	1.9	1.5	1.9	1.5	1.9
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



TEST NUMBER: P245011

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	639.3	638.4	638.7	636.9	636.9	636.2	636.6	635.0	634.4	633.8	634.7
5°	648.6	647.1	645.8	643.1	641.5	639.7	638.7	636.2	634.1	632.2	631.9
7.5°	656.0	652.6	650.5	646.8	644.0	641.8	638.7	635.3	632.5	630.1	628.2
10°	659.1	655.7	652.3	647.7	644.6	640.6	637.5	633.2	629.5	626.1	623.9
12.5°	659.4	655.1	652.0	646.8	642.7	638.4	635.0	630.1	625.7	622.3	618.9
15°	656.6	652.6	648.9	643.4	639.3	635.3	631.3	626.1	622.0	618.0	615.6
17.5°	650.5	646.8	642.4	637.2	633.5	629.8	625.4	621.1	616.5	612.1	609.1
20°	642.4	638.4	634.7	629.5	626.4	622.3	618.3	613.7	610.0	605.7	602.3
22.5°	630.4	626.7	623.3	620.2	615.2	612.1	609.4	604.1	600.4	596.4	592.7
25°	613.1	609.4	606.6	602.9	600.7	597.3	594.5	589.9	586.5	582.8	579.7
27.5°	584.6	582.5	580.9	578.8	576.9	575.4	573.8	570.1	567.7	564.3	561.2
30°	542.0	541.7	540.8	539.8	541.1	541.1	541.1	540.5	538.3	535.8	533.7
32.5°	487.3	487.9	489.2	490.1	492.6	495.3	497.8	499.0	499.0	497.5	496.6
35°	422.1	423.0	424.9	427.4	430.5	433.8	439.4	440.7	441.6	441.6	440.3
37.5°	354.4	354.1	356.0	358.1	360.0	362.5	366.5	367.4	369.0	368.3	367.1
40°	288.6	287.1	286.4	287.1	289.2	288.3	289.2	288.6	288.6	286.4	286.4
42.5°	227.7	225.9	224.6	223.7	223.7	221.6	220.0	218.5	217.5	216.0	215.7
45°	175.5	173.3	171.8	171.2	170.3	167.5	165.6	163.8	161.6	161.0	161.3
47.5°	136.3	134.1	133.5	131.9	130.4	128.9	127.6	125.5	125.1	123.9	125.1
50°	105.1	104.4	103.5	102.9	102.0	100.7	99.5	98.3	97.6	97.6	97.9
52.5°	81.6	81.9	81.0	80.0	79.4	79.4	77.9	77.6	77.6	76.3	77.6
55°	62.4	62.1	62.4	61.8	61.8	60.9	60.9	59.9	59.9	59.0	59.6
57.5°	45.7	46.3	45.7	46.0	46.7	45.7	45.4	44.5	45.1	44.5	44.8
60°	35.5	35.5	35.5	35.2	35.2	34.9	34.9	34.6	34.6	34.0	34.6
62.5°	26.3	26.6	26.6	26.6	26.9	26.6	26.3	26.6	26.3	26.3	26.6
65°	17.3	17.6	17.6	17.3	17.9	17.3	17.6	17.9	18.2	17.9	18.2
67.5°	11.7	11.7	12.1	12.4	12.1	12.4	12.7	12.4	12.7	13.3	12.7
70°	8.6	9.0	9.0	8.6	8.3	8.6	8.3	9.3	9.3	9.3	9.9
72.5°	5.6	5.6	5.3	5.3	5.3	5.3	5.3	6.2	5.6	5.3	5.9
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°	1.9	1.9	1.9	1.9	1.9	1.9	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	1.9	1.5	1.5	1.9
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



TEST NUMBER: P245011

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	632.2	632.2	631.9	631.3	630.1	630.1	629.8	628.8	628.2	627.9	627.9
5°	629.1	627.9	626.7	623.3	623.3	622.6	620.8	619.6	618.9	617.4	616.8
7.5°	626.4	622.6	620.5	618.3	615.6	614.3	612.1	611.2	609.1	607.5	606.6
10°	619.6	617.1	614.3	610.9	608.7	606.3	603.8	602.0	599.2	597.6	596.4
12.5°	614.9	611.2	608.7	605.0	601.3	599.2	595.8	593.6	590.8	587.7	585.9
15°	610.6	606.6	603.2	599.2	595.2	592.7	588.7	586.2	582.2	579.1	576.9
17.5°	604.1	600.7	597.0	592.1	588.4	585.3	580.9	577.9	574.1	570.1	568.0
20°	597.3	593.3	589.6	584.6	580.9	577.2	572.9	569.5	565.2	561.5	559.0
22.5°	588.4	583.7	580.6	575.7	571.4	567.3	563.3	559.3	555.3	552.2	549.4
25°	575.4	570.4	567.0	563.0	559.0	555.9	551.0	548.5	544.5	541.7	538.9
27.5°	556.8	553.1	550.0	546.0	542.6	540.2	536.4	534.0	530.6	528.1	525.9
30°	529.6	526.6	523.8	519.8	517.3	515.1	511.7	509.6	507.1	504.3	503.7
32.5°	493.2	490.7	487.9	485.1	483.3	482.1	479.3	478.0	475.6	474.0	472.5
35°	438.2	436.0	434.5	433.2	432.6	432.9	432.3	433.5	434.2	433.8	434.2
37.5°	366.2	364.9	365.6	366.5	369.6	373.6	377.3	382.9	386.6	390.3	393.7
40°	285.8	286.8	289.2	294.8	302.8	311.8	320.1	330.6	341.2	348.6	355.4
42.5°	215.7	218.5	224.6	232.7	244.7	258.0	271.0	286.4	299.1	311.5	320.1
45°	162.2	165.9	174.0	185.1	198.4	213.8	230.2	247.5	262.7	275.3	284.9
47.5°	126.4	129.8	137.8	149.6	165.9	182.0	199.0	216.9	232.7	245.0	253.4
50°	99.8	104.1	111.2	123.6	140.0	157.0	174.6	192.2	207.0	217.5	225.0
52.5°	78.5	82.5	89.3	102.3	119.0	136.0	152.3	169.6	182.6	192.8	197.8
55°	60.9	64.6	71.7	82.5	98.3	115.0	131.3	146.2	158.2	165.6	170.3
57.5°	46.3	49.1	54.1	64.9	79.1	94.6	108.5	123.3	132.6	137.8	140.9
60°	35.2	37.4	42.6	51.0	64.0	77.3	89.0	100.1	107.5	111.9	115.0
62.5°	26.6	29.1	32.8	39.9	49.7	60.6	70.5	78.8	85.0	87.8	89.9
65°	18.2	20.1	22.9	28.4	36.8	44.5	52.2	58.4	62.4	65.5	66.7
67.5°	13.6	14.8	16.4	20.7	26.6	32.8	38.0	42.3	46.7	47.9	50.1
70°	10.2	11.1	12.7	15.8	19.2	23.5	27.8	30.3	33.4	35.5	36.2
72.5°	6.5	6.8	8.3	10.2	13.0	15.8	18.5	20.7	22.6	23.8	24.4
75°	3.7	5.6	5.6	7.4	9.3	10.5	12.4	13.9	14.8	15.8	15.8
77.5°	2.5	3.4	3.7	4.6	5.6	7.1	8.6	9.6	10.5	10.8	10.8
80°	2.2	2.5	2.5	3.4	4.0	5.3	6.2	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	1.9	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	1.9	1.9
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: P245011

CATALOG NUMBER: LD8B15D010 ER8B159727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	632.9	632.9	632.9	632.9	632.9	632.9	632.9
2.5°	627.3	627.6	626.4	626.1	625.4	625.7	626.4
5°	615.9	616.2	614.9	613.7	613.7	613.4	613.7
7.5°	605.0	605.4	603.5	602.9	601.6	602.0	602.0
10°	594.2	594.2	591.4	591.1	590.2	589.9	589.9
12.5°	583.7	582.8	580.6	579.4	580.0	578.2	578.2
15°	574.4	572.9	570.1	569.2	567.7	567.0	567.0
17.5°	564.9	563.6	561.2	559.3	557.5	557.1	557.5
20°	555.6	554.4	551.3	550.0	548.5	548.5	547.9
22.5°	546.3	545.1	542.3	541.4	539.2	539.2	539.5
25°	536.7	535.8	532.7	532.1	531.8	530.6	531.2
27.5°	523.8	523.1	520.7	519.8	518.5	518.2	518.8
30°	500.0	499.0	497.2	496.3	494.1	494.4	495.0
32.5°	470.3	469.1	466.6	465.7	463.8	463.2	463.5
35°	433.2	432.3	430.1	430.1	428.3	427.7	428.3
37.5°	395.5	396.5	395.5	396.5	395.5	395.2	395.5
40°	360.0	363.4	364.0	367.4	366.2	368.0	367.7
42.5°	326.0	331.6	333.7	336.5	335.9	337.1	338.1
45°	291.7	296.3	298.5	300.4	300.7	301.3	301.6
47.5°	259.3	263.0	263.3	265.4	265.1	265.1	266.1
50°	229.0	231.4	232.1	233.6	232.4	231.8	232.1
52.5°	200.9	203.3	202.7	203.3	201.8	201.2	201.5
55°	172.1	173.3	173.3	173.3	171.5	171.5	171.5
57.5°	142.8	143.1	142.5	142.8	142.5	140.6	140.3
60°	115.9	115.9	115.6	115.9	115.0	114.0	114.0
62.5°	90.5	91.2	92.4	91.2	90.5	91.2	90.2
65°	67.7	68.9	68.6	69.2	68.9	68.9	68.3
67.5°	51.0	51.3	51.6	51.9	51.9	51.9	51.9
70°	37.4	38.3	38.0	38.0	38.0	38.0	39.9
72.5°	25.0	26.3	26.0	26.6	26.6	27.2	26.6
75°	17.0	18.2	17.6	18.5	18.2	17.6	19.2
77.5°	11.4	12.1	12.4	12.7	12.4	12.1	12.4
80°	8.0	8.6	8.3	8.6	8.6	8.6	9.0
82.5°	4.9	5.9	5.6	5.9	5.6	5.9	5.9
85°	3.4	3.7	3.1	3.7	3.4	3.4	4.0
87.5°	2.2	1.9	1.9	2.2	1.9	2.2	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)