

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: P245857

Luminaire Tested: **LD8B15D010 ER8B15935 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245857
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 ER8B15935 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1219.0 lumens
Efficiency: N/A
Efficacy: 84.7 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

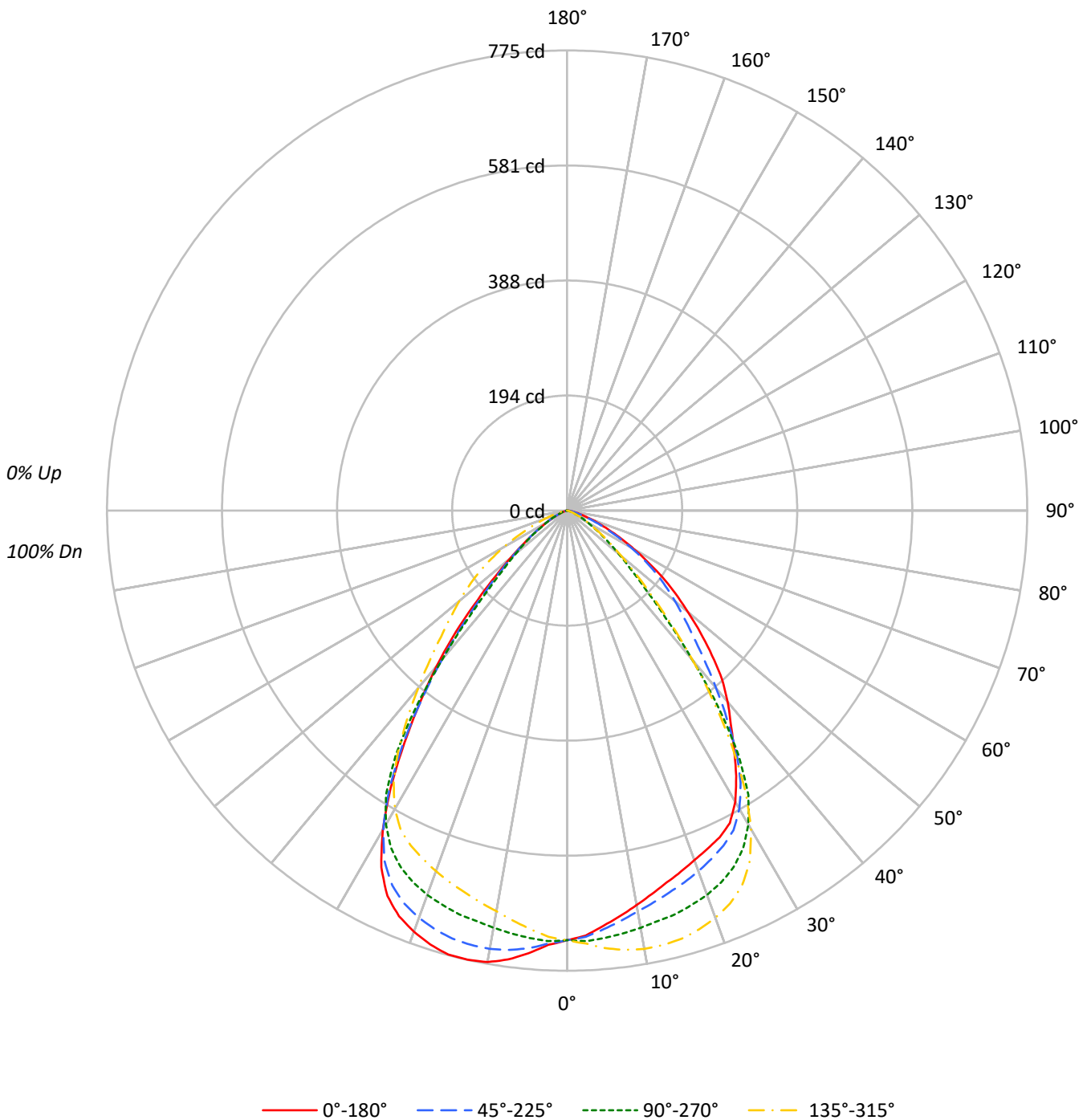
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22316	22316	22316	22316
5°	21724	22367	23166	22367
10°	21123	22338	24176	22338
15°	20700	22471	24706	22471
20°	20559	22600	24769	22600
25°	20666	22555	24371	22555
30°	20157	21727	22119	21727
35°	18438	18954	17983	18954
40°	16927	13187	13771	13187
45°	15041	8046	9306	8046
50°	12732	5373	5968	5373
55°	10543	3667	3876	3667
60°	8042	2442	2461	2442
65°	5699	1518	1394	1518
70°	4111	1019	929	1019
75°	2609	500	417	500
80°	1829	373	320	373
85°	1628	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	5.7
10°-20°	199.5	16.4
20°-30°	302.0	24.8
30°-40°	302.7	24.8
40°-50°	190.1	15.6
50°-60°	101.3	8.3
60°-70°	41.7	3.4
70°-80°	11.0	0.9
80°-90°	1.9	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°	570.4	46.8
0°-40°	873.1	71.6
0°-60°	1164.5	95.5
0°-90°	1219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	724	724	724	724	724	
5°	702	723	748	723	702	66
15°	648	704	774	704	648	183
25°	607	663	716	663	607	279
35°	490	504	478	504	490	307
45°	345	184	213	184	345	265
55°	196	68	72	68	196	175
65°	78	21	19	21	78	81
75°	22	4	4	4	22	25
85°	5	0	0	0	5	5
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°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	716.3	715.6	715.2	715.9	716.3	717.7	717.3	718.0	718.0	718.4	719.1
5°	701.8	701.4	701.8	701.8	703.2	704.6	704.3	705.3	706.0	707.8	708.5
7.5°	688.4	688.4	688.0	689.4	690.1	692.2	691.9	693.6	694.7	696.5	698.9
10°	674.6	674.6	674.9	676.0	676.3	679.5	679.5	682.0	683.4	685.2	688.4
12.5°	661.1	661.1	663.3	662.6	664.0	666.4	667.5	670.0	672.1	675.6	678.8
15°	648.4	648.4	649.1	650.9	651.9	655.1	656.9	659.7	662.2	665.7	670.3
17.5°	637.5	637.1	637.5	639.6	641.7	644.5	645.9	649.5	651.9	656.5	660.8
20°	626.5	627.2	627.2	629.0	630.4	633.9	635.3	639.2	642.1	646.3	651.2
22.5°	617.0	616.6	616.6	619.1	620.2	623.3	624.7	628.3	631.5	635.0	639.6
25°	607.4	606.7	608.1	608.5	609.2	612.7	613.8	616.3	619.4	622.6	627.2
27.5°	593.3	592.6	592.9	594.4	595.4	598.2	598.9	601.4	603.9	606.7	610.6
30°	566.1	565.4	565.0	567.5	568.6	570.7	571.7	576.0	576.7	579.9	582.7
32.5°	530.0	529.7	530.4	532.5	533.6	536.4	537.8	540.3	542.0	543.8	546.6
35°	489.8	489.0	489.8	491.9	491.9	494.4	495.4	496.5	496.1	496.5	495.8
37.5°	452.3	451.9	452.3	453.4	452.3	453.4	452.3	450.2	446.3	442.1	437.8
40°	420.5	420.8	418.7	420.2	416.3	415.6	411.7	406.4	398.6	390.1	378.1
42.5°	386.6	385.5	384.1	384.8	381.6	379.1	372.8	366.1	356.2	342.1	327.6
45°	344.9	344.5	343.8	343.5	341.3	338.9	333.6	325.8	314.8	300.4	283.0
47.5°	304.2	303.2	303.2	303.5	301.1	300.7	296.5	289.8	280.2	266.1	248.1
50°	265.4	265.0	265.7	267.1	265.4	264.7	261.8	257.3	248.8	236.8	219.8
52.5°	230.4	230.0	230.8	232.5	231.8	232.5	229.7	226.2	220.5	208.8	194.0
55°	196.1	196.1	196.1	198.2	198.2	198.2	196.8	194.7	189.4	180.9	167.1
57.5°	160.4	160.8	162.9	163.2	162.9	163.6	163.2	161.1	157.6	151.6	141.0
60°	130.4	130.4	131.5	132.5	132.2	132.5	132.5	131.5	127.9	123.0	114.5
62.5°	103.2	104.2	103.5	104.2	105.7	104.2	103.5	102.8	100.4	97.2	90.1
65°	78.1	78.8	78.8	79.2	78.4	78.8	77.4	76.3	74.9	71.4	66.8
67.5°	59.4	59.4	59.4	59.4	59.0	58.7	58.3	57.2	54.8	53.4	48.4
70°	45.6	43.5	43.5	43.5	43.5	43.8	42.8	41.4	40.6	38.2	34.6
72.5°	30.4	31.1	30.4	30.4	29.7	30.0	28.6	27.9	27.2	25.8	23.7
75°	21.9	20.1	20.8	21.2	20.1	20.8	19.4	18.0	18.0	17.0	15.9
77.5°	14.1	13.8	14.1	14.5	14.1	13.8	13.1	12.4	12.4	12.0	11.0
80°	10.3	9.9	9.9	9.9	9.5	9.9	9.2	9.2	8.5	8.1	7.4
82.5°	6.7	6.7	6.4	6.7	6.4	6.7	5.7	5.7	5.7	5.3	4.6
85°	4.6	3.9	3.9	4.2	3.5	4.2	3.9	3.5	3.2	3.2	2.8
87.5°	2.1	2.5	2.1	2.5	2.1	2.1	2.5	2.1	2.1	1.4	1.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	720.1	720.5	720.5	721.9	722.6	723.0	723.0	725.8	724.7	725.5	726.2
5°	709.9	712.0	712.7	712.7	716.6	718.0	719.4	722.6	723.0	725.1	727.6
7.5°	700.0	702.5	703.9	707.1	709.5	712.0	716.3	718.4	720.5	723.3	726.5
10°	690.5	693.3	696.1	698.6	702.5	705.7	708.5	713.4	715.9	719.8	724.0
12.5°	681.3	685.2	687.6	691.9	696.1	698.9	703.2	707.8	711.7	715.6	720.5
15°	673.2	677.7	680.6	685.2	689.8	693.6	698.2	703.9	706.7	711.3	715.9
17.5°	664.3	669.3	672.8	677.0	682.7	686.9	690.8	696.5	700.0	704.9	710.3
20°	655.1	660.1	664.3	668.6	674.2	678.4	683.0	688.7	692.6	697.5	701.8
22.5°	644.2	648.8	653.4	658.3	664.0	667.5	672.8	677.7	682.0	686.6	690.8
25°	630.0	635.7	639.2	643.8	648.4	652.3	658.0	662.9	666.4	670.7	674.6
27.5°	613.4	617.7	620.5	624.4	629.0	632.5	636.7	641.7	645.2	649.1	651.9
30°	585.2	589.1	591.5	594.4	598.9	602.1	605.7	610.2	612.7	615.6	618.0
32.5°	548.1	551.2	552.7	554.8	558.0	561.1	564.0	567.9	568.9	570.7	570.7
35°	494.4	495.1	494.7	495.4	496.8	498.6	501.1	503.5	504.9	504.9	503.9
37.5°	431.5	427.2	422.6	419.1	418.0	417.3	418.7	419.8	421.2	421.9	420.2
40°	366.1	356.5	346.3	337.1	330.7	327.9	326.9	327.6	327.6	330.0	330.0
42.5°	309.9	295.1	279.9	266.1	256.9	249.8	246.6	246.6	247.0	248.8	249.8
45°	263.3	244.5	226.9	211.7	198.9	189.7	185.5	184.5	184.1	184.8	187.3
47.5°	227.6	208.1	189.7	171.0	157.6	148.4	144.5	143.1	141.7	143.1	143.5
50°	199.7	179.5	160.1	141.3	127.2	119.1	114.1	112.0	111.7	111.7	112.4
52.5°	174.2	155.5	136.1	117.0	102.1	94.4	89.8	88.7	87.3	88.7	88.7
55°	150.2	131.5	112.4	94.4	82.0	73.9	69.6	68.2	67.5	68.5	68.5
57.5°	124.0	108.1	90.5	74.2	61.8	56.2	53.0	51.2	50.9	51.6	50.9
60°	101.8	88.3	73.1	58.3	48.8	42.8	40.3	39.6	38.9	39.6	39.6
62.5°	80.6	69.3	56.9	45.6	37.5	33.2	30.4	30.4	30.0	30.0	30.4
65°	59.7	50.9	42.0	32.5	26.2	23.0	20.8	20.8	20.5	20.8	20.5
67.5°	43.5	37.5	30.4	23.7	18.7	17.0	15.5	14.5	15.2	14.5	14.1
70°	31.8	26.8	21.9	18.0	14.5	12.7	11.7	11.3	10.6	10.6	10.6
72.5°	21.2	18.0	14.8	11.7	9.5	7.8	7.4	6.7	6.0	6.4	7.1
75°	14.1	12.0	10.6	8.5	6.4	6.4	4.2	4.2	3.5	4.2	3.2
77.5°	9.9	8.1	6.4	5.3	4.2	3.9	2.8	2.8	2.5	2.5	2.5
80°	7.1	6.0	4.6	3.9	2.8	2.8	2.5	2.1	1.8	1.8	2.1
82.5°	4.2	3.2	3.2	2.8	1.8	1.4	1.1	1.4	0.7	0.7	0.7
85°	2.5	2.1	1.8	1.1	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.4	0.7	0.7	0.3	0.0	0.3	0.3	0.0	0.0	0.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	727.9	727.6	728.3	728.3	730.4	730.0	731.1	731.1	730.4	730.8	732.2
5°	730.4	731.5	733.6	735.3	738.5	739.9	741.7	743.5	743.8	744.9	745.9
7.5°	730.4	733.9	736.4	739.6	743.8	746.3	750.2	753.4	754.8	756.5	758.7
10°	729.0	732.5	737.1	740.6	745.9	749.8	753.7	758.7	760.8	763.6	766.4
12.5°	726.2	730.0	735.0	739.6	745.6	749.1	754.1	758.7	761.8	765.7	768.9
15°	721.9	726.5	731.1	735.7	742.1	746.3	750.9	756.2	759.4	763.6	766.4
17.5°	715.2	720.1	724.4	728.6	734.6	739.6	743.8	748.8	752.0	755.5	759.4
20°	707.1	711.7	716.3	719.8	725.8	730.0	734.6	739.2	741.7	742.4	748.4
22.5°	696.8	700.0	703.5	709.2	712.7	716.6	720.9	725.1	727.6	731.5	733.6
25°	679.9	683.0	686.9	689.4	693.6	696.8	701.1	705.7	707.1	709.9	712.0
27.5°	656.2	658.0	659.7	661.8	664.3	666.1	668.6	670.7	672.1	673.5	674.9
30°	618.7	618.7	618.7	617.3	618.4	619.4	619.8	619.4	619.4	619.1	619.1
32.5°	569.3	566.4	563.3	560.4	559.4	558.0	557.2	556.2	554.4	553.4	553.7
35°	502.5	496.1	492.2	488.7	485.9	483.8	482.7	481.6	481.3	479.9	478.4
37.5°	419.1	414.5	411.7	409.5	407.1	405.0	405.3	405.7	406.7	406.0	406.4
40°	330.7	329.7	330.7	328.3	327.6	328.3	330.0	332.5	333.9	335.3	337.8
42.5°	251.6	253.4	255.8	255.8	256.9	258.3	260.4	264.3	266.4	268.9	271.7
45°	189.4	191.5	194.7	195.8	196.5	198.2	200.7	203.9	205.3	207.4	209.9
47.5°	145.9	147.4	149.1	150.9	152.6	153.4	155.8	155.8	157.6	159.0	159.7
50°	113.8	115.2	116.6	117.7	118.4	119.4	120.1	121.2	121.5	122.3	122.6
52.5°	89.0	90.8	90.8	91.5	92.6	93.6	93.3	93.6	94.0	94.0	95.0
55°	69.6	69.6	70.7	70.7	71.4	71.0	71.4	71.4	71.4	71.4	71.7
57.5°	51.9	52.3	53.4	52.7	52.3	53.0	52.3	53.0	52.7	53.4	52.3
60°	39.9	39.9	40.3	40.3	40.6	40.6	40.6	40.3	40.3	39.9	39.9
62.5°	30.0	30.4	30.7	30.4	30.4	30.4	30.0	30.0	29.7	29.3	29.3
65°	20.1	19.8	20.5	19.8	20.1	20.1	19.8	20.1	19.1	19.4	19.1
67.5°	14.5	14.1	13.8	14.1	13.8	13.4	13.4	13.8	14.1	13.1	13.1
70°	9.5	9.9	9.5	9.9	10.3	10.3	9.9	9.5	9.9	9.2	9.5
72.5°	6.0	6.0	6.0	6.0	6.0	6.4	6.4	6.4	5.7	5.7	5.3
75°	2.8	3.9	3.2	2.8	3.9	3.9	3.5	3.5	3.2	3.2	3.2
77.5°	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.8	2.1	1.8
80°	1.4	1.4	1.4	1.1	1.4	1.4	1.8	1.4	1.4	1.1	1.8
82.5°	0.7	0.7	0.7	0.0	0.3	0.7	0.7	0.3	0.7	0.7	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°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	731.8	731.5	731.8	732.2	731.8	731.5	731.8	732.2	730.8	730.4	731.1
5°	747.4	747.4	748.1	748.4	748.1	747.4	747.4	745.9	744.9	743.8	743.5
7.5°	760.8	761.5	762.2	762.5	762.2	761.5	760.8	758.7	756.5	754.8	753.4
10°	768.9	770.0	771.4	772.1	771.4	770.0	768.9	766.4	763.6	760.8	758.7
12.5°	772.4	773.5	775.3	774.9	775.3	773.5	772.4	768.9	765.7	761.8	758.7
15°	770.0	771.4	773.1	773.9	773.1	771.4	770.0	766.4	763.6	759.4	756.2
17.5°	762.2	764.3	765.4	766.4	765.4	764.3	762.2	759.4	755.5	752.0	748.8
20°	751.6	753.0	754.4	754.8	754.4	753.0	751.6	748.4	742.4	741.7	739.2
22.5°	736.4	737.5	740.6	739.6	740.6	737.5	736.4	733.6	731.5	727.6	725.1
25°	714.5	715.6	715.9	716.3	715.9	715.6	714.5	712.0	709.9	707.1	705.7
27.5°	676.7	676.7	677.4	677.7	677.4	676.7	676.7	674.9	673.5	672.1	670.7
30°	619.4	619.4	619.4	621.2	619.4	619.4	619.4	619.1	619.1	619.4	619.4
32.5°	553.4	552.7	552.0	552.7	552.0	552.7	553.4	553.7	553.4	554.4	556.2
35°	478.4	478.1	479.2	477.7	479.2	478.1	478.4	478.4	479.9	481.3	481.6
37.5°	406.7	406.0	407.4	406.0	407.4	406.0	406.7	406.4	406.0	406.7	405.7
40°	338.5	339.2	339.2	342.1	339.2	339.2	338.5	337.8	335.3	333.9	332.5
42.5°	273.1	275.3	274.6	276.7	274.6	275.3	273.1	271.7	268.9	266.4	264.3
45°	211.3	212.7	212.7	213.4	212.7	212.7	211.3	209.9	207.4	205.3	203.9
47.5°	162.2	162.2	162.2	162.6	162.2	162.2	162.2	159.7	159.0	157.6	155.8
50°	123.3	123.7	124.0	124.4	124.0	123.7	123.3	122.6	122.3	121.5	121.2
52.5°	94.7	95.0	94.4	95.0	94.4	95.0	94.7	95.0	94.0	94.0	93.6
55°	71.7	71.4	71.7	72.1	71.7	71.4	71.7	71.7	71.4	71.4	71.4
57.5°	52.7	51.9	51.9	51.9	51.9	51.9	52.7	52.3	53.4	52.7	53.0
60°	39.2	39.6	39.6	39.9	39.6	39.6	39.2	39.9	39.9	40.3	40.3
62.5°	29.0	30.0	29.3	30.0	29.3	30.0	29.0	29.3	29.3	29.7	30.0
65°	18.7	18.7	18.7	19.1	18.7	18.7	18.7	19.1	19.4	19.1	20.1
67.5°	12.7	13.1	13.8	13.4	13.8	13.1	12.7	13.1	13.1	14.1	13.8
70°	10.3	9.2	9.2	10.3	9.2	9.2	10.3	9.5	9.2	9.9	9.5
72.5°	6.0	5.3	6.0	6.0	6.0	5.3	6.0	5.3	5.7	5.7	6.4
75°	3.2	2.8	2.5	3.5	2.5	2.8	3.2	3.2	3.2	3.2	3.5
77.5°	2.1	1.8	2.5	2.5	2.5	1.8	2.1	1.8	2.1	1.8	2.1
80°	1.1	1.4	1.1	1.8	1.1	1.4	1.1	1.8	1.1	1.4	1.4
82.5°	0.3	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.7	0.7	0.3
85°	0.0	0.7	0.3	0.3	0.3	0.7	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: P245857

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	731.1	730.0	730.4	728.3	728.3	727.6	727.9	726.2	725.5	724.7	725.8
5°	741.7	739.9	738.5	735.3	733.6	731.5	730.4	727.6	725.1	723.0	722.6
7.5°	750.2	746.3	743.8	739.6	736.4	733.9	730.4	726.5	723.3	720.5	718.4
10°	753.7	749.8	745.9	740.6	737.1	732.5	729.0	724.0	719.8	715.9	713.4
12.5°	754.1	749.1	745.6	739.6	735.0	730.0	726.2	720.5	715.6	711.7	707.8
15°	750.9	746.3	742.1	735.7	731.1	726.5	721.9	715.9	711.3	706.7	703.9
17.5°	743.8	739.6	734.6	728.6	724.4	720.1	715.2	710.3	704.9	700.0	696.5
20°	734.6	730.0	725.8	719.8	716.3	711.7	707.1	701.8	697.5	692.6	688.7
22.5°	720.9	716.6	712.7	709.2	703.5	700.0	696.8	690.8	686.6	682.0	677.7
25°	701.1	696.8	693.6	689.4	686.9	683.0	679.9	674.6	670.7	666.4	662.9
27.5°	668.6	666.1	664.3	661.8	659.7	658.0	656.2	651.9	649.1	645.2	641.7
30°	619.8	619.4	618.4	617.3	618.7	618.7	618.7	618.0	615.6	612.7	610.2
32.5°	557.2	558.0	559.4	560.4	563.3	566.4	569.3	570.7	570.7	568.9	567.9
35°	482.7	483.8	485.9	488.7	492.2	496.1	502.5	503.9	504.9	504.9	503.5
37.5°	405.3	405.0	407.1	409.5	411.7	414.5	419.1	420.2	421.9	421.2	419.8
40°	330.0	328.3	327.6	328.3	330.7	329.7	330.7	330.0	330.0	327.6	327.6
42.5°	260.4	258.3	256.9	255.8	255.8	253.4	251.6	249.8	248.8	247.0	246.6
45°	200.7	198.2	196.5	195.8	194.7	191.5	189.4	187.3	184.8	184.1	184.5
47.5°	155.8	153.4	152.6	150.9	149.1	147.4	145.9	143.5	143.1	141.7	143.1
50°	120.1	119.4	118.4	117.7	116.6	115.2	113.8	112.4	111.7	111.7	112.0
52.5°	93.3	93.6	92.6	91.5	90.8	90.8	89.0	88.7	88.7	87.3	88.7
55°	71.4	71.0	71.4	70.7	70.7	69.6	69.6	68.5	68.5	67.5	68.2
57.5°	52.3	53.0	52.3	52.7	53.4	52.3	51.9	50.9	51.6	50.9	51.2
60°	40.6	40.6	40.6	40.3	40.3	39.9	39.9	39.6	39.6	38.9	39.6
62.5°	30.0	30.4	30.4	30.4	30.7	30.4	30.0	30.4	30.0	30.0	30.4
65°	19.8	20.1	20.1	19.8	20.5	19.8	20.1	20.5	20.8	20.5	20.8
67.5°	13.4	13.4	13.8	14.1	13.8	14.1	14.5	14.1	14.5	15.2	14.5
70°	9.9	10.3	10.3	9.9	9.5	9.9	9.5	10.6	10.6	10.6	11.3
72.5°	6.4	6.4	6.0	6.0	6.0	6.0	6.0	7.1	6.4	6.0	6.7
75°	3.5	3.9	3.9	2.8	3.2	3.9	2.8	3.2	4.2	3.5	4.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.8	2.5	2.5	2.5	2.8
80°	1.8	1.4	1.4	1.1	1.4	1.4	1.4	2.1	1.8	1.8	2.1
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.4
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	0.7	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: P245857

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	723.0	723.0	722.6	721.9	720.5	720.5	720.1	719.1	718.4	718.0	718.0
5°	719.4	718.0	716.6	712.7	712.7	712.0	709.9	708.5	707.8	706.0	705.3
7.5°	716.3	712.0	709.5	707.1	703.9	702.5	700.0	698.9	696.5	694.7	693.6
10°	708.5	705.7	702.5	698.6	696.1	693.3	690.5	688.4	685.2	683.4	682.0
12.5°	703.2	698.9	696.1	691.9	687.6	685.2	681.3	678.8	675.6	672.1	670.0
15°	698.2	693.6	689.8	685.2	680.6	677.7	673.2	670.3	665.7	662.2	659.7
17.5°	690.8	686.9	682.7	677.0	672.8	669.3	664.3	660.8	656.5	651.9	649.5
20°	683.0	678.4	674.2	668.6	664.3	660.1	655.1	651.2	646.3	642.1	639.2
22.5°	672.8	667.5	664.0	658.3	653.4	648.8	644.2	639.6	635.0	631.5	628.3
25°	658.0	652.3	648.4	643.8	639.2	635.7	630.0	627.2	622.6	619.4	616.3
27.5°	636.7	632.5	629.0	624.4	620.5	617.7	613.4	610.6	606.7	603.9	601.4
30°	605.7	602.1	598.9	594.4	591.5	589.1	585.2	582.7	579.9	576.7	576.0
32.5°	564.0	561.1	558.0	554.8	552.7	551.2	548.1	546.6	543.8	542.0	540.3
35°	501.1	498.6	496.8	495.4	494.7	495.1	494.4	495.8	496.5	496.1	496.5
37.5°	418.7	417.3	418.0	419.1	422.6	427.2	431.5	437.8	442.1	446.3	450.2
40°	326.9	327.9	330.7	337.1	346.3	356.5	366.1	378.1	390.1	398.6	406.4
42.5°	246.6	249.8	256.9	266.1	279.9	295.1	309.9	327.6	342.1	356.2	366.1
45°	185.5	189.7	198.9	211.7	226.9	244.5	263.3	283.0	300.4	314.8	325.8
47.5°	144.5	148.4	157.6	171.0	189.7	208.1	227.6	248.1	266.1	280.2	289.8
50°	114.1	119.1	127.2	141.3	160.1	179.5	199.7	219.8	236.8	248.8	257.3
52.5°	89.8	94.4	102.1	117.0	136.1	155.5	174.2	194.0	208.8	220.5	226.2
55°	69.6	73.9	82.0	94.4	112.4	131.5	150.2	167.1	180.9	189.4	194.7
57.5°	53.0	56.2	61.8	74.2	90.5	108.1	124.0	141.0	151.6	157.6	161.1
60°	40.3	42.8	48.8	58.3	73.1	88.3	101.8	114.5	123.0	127.9	131.5
62.5°	30.4	33.2	37.5	45.6	56.9	69.3	80.6	90.1	97.2	100.4	102.8
65°	20.8	23.0	26.2	32.5	42.0	50.9	59.7	66.8	71.4	74.9	76.3
67.5°	15.5	17.0	18.7	23.7	30.4	37.5	43.5	48.4	53.4	54.8	57.2
70°	11.7	12.7	14.5	18.0	21.9	26.8	31.8	34.6	38.2	40.6	41.4
72.5°	7.4	7.8	9.5	11.7	14.8	18.0	21.2	23.7	25.8	27.2	27.9
75°	4.2	6.4	6.4	8.5	10.6	12.0	14.1	15.9	17.0	18.0	18.0
77.5°	2.8	3.9	4.2	5.3	6.4	8.1	9.9	11.0	12.0	12.4	12.4
80°	2.5	2.8	2.8	3.9	4.6	6.0	7.1	7.4	8.1	8.5	9.2
82.5°	1.1	1.4	1.8	2.8	3.2	3.2	4.2	4.6	5.3	5.7	5.7
85°	0.3	0.7	0.7	1.1	1.8	2.1	2.5	2.8	3.2	3.2	3.5
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.4	1.4	1.4	2.1	2.1
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: P245857

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	723.7	723.7	723.7	723.7	723.7	723.7	723.7
2.5°	717.3	717.7	716.3	715.9	715.2	715.6	716.3
5°	704.3	704.6	703.2	701.8	701.8	701.4	701.8
7.5°	691.9	692.2	690.1	689.4	688.0	688.4	688.4
10°	679.5	679.5	676.3	676.0	674.9	674.6	674.6
12.5°	667.5	666.4	664.0	662.6	663.3	661.1	661.1
15°	656.9	655.1	651.9	650.9	649.1	648.4	648.4
17.5°	645.9	644.5	641.7	639.6	637.5	637.1	637.5
20°	635.3	633.9	630.4	629.0	627.2	627.2	626.5
22.5°	624.7	623.3	620.2	619.1	616.6	616.6	617.0
25°	613.8	612.7	609.2	608.5	608.1	606.7	607.4
27.5°	598.9	598.2	595.4	594.4	592.9	592.6	593.3
30°	571.7	570.7	568.6	567.5	565.0	565.4	566.1
32.5°	537.8	536.4	533.6	532.5	530.4	529.7	530.0
35°	495.4	494.4	491.9	491.9	489.8	489.0	489.8
37.5°	452.3	453.4	452.3	453.4	452.3	451.9	452.3
40°	411.7	415.6	416.3	420.2	418.7	420.8	420.5
42.5°	372.8	379.1	381.6	384.8	384.1	385.5	386.6
45°	333.6	338.9	341.3	343.5	343.8	344.5	344.9
47.5°	296.5	300.7	301.1	303.5	303.2	303.2	304.2
50°	261.8	264.7	265.4	267.1	265.7	265.0	265.4
52.5°	229.7	232.5	231.8	232.5	230.8	230.0	230.4
55°	196.8	198.2	198.2	198.2	196.1	196.1	196.1
57.5°	163.2	163.6	162.9	163.2	162.9	160.8	160.4
60°	132.5	132.5	132.2	132.5	131.5	130.4	130.4
62.5°	103.5	104.2	105.7	104.2	103.5	104.2	103.2
65°	77.4	78.8	78.4	79.2	78.8	78.8	78.1
67.5°	58.3	58.7	59.0	59.4	59.4	59.4	59.4
70°	42.8	43.8	43.5	43.5	43.5	43.5	45.6
72.5°	28.6	30.0	29.7	30.4	30.4	31.1	30.4
75°	19.4	20.8	20.1	21.2	20.8	20.1	21.9
77.5°	13.1	13.8	14.1	14.5	14.1	13.8	14.1
80°	9.2	9.9	9.5	9.9	9.9	9.9	10.3
82.5°	5.7	6.7	6.4	6.7	6.4	6.7	6.7
85°	3.9	4.2	3.5	4.2	3.9	3.9	4.6
87.5°	2.5	2.1	2.1	2.5	2.1	2.5	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)