

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: P245958

Luminaire Tested: **LD8B10D010 ER8B10827 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245958  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1058.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

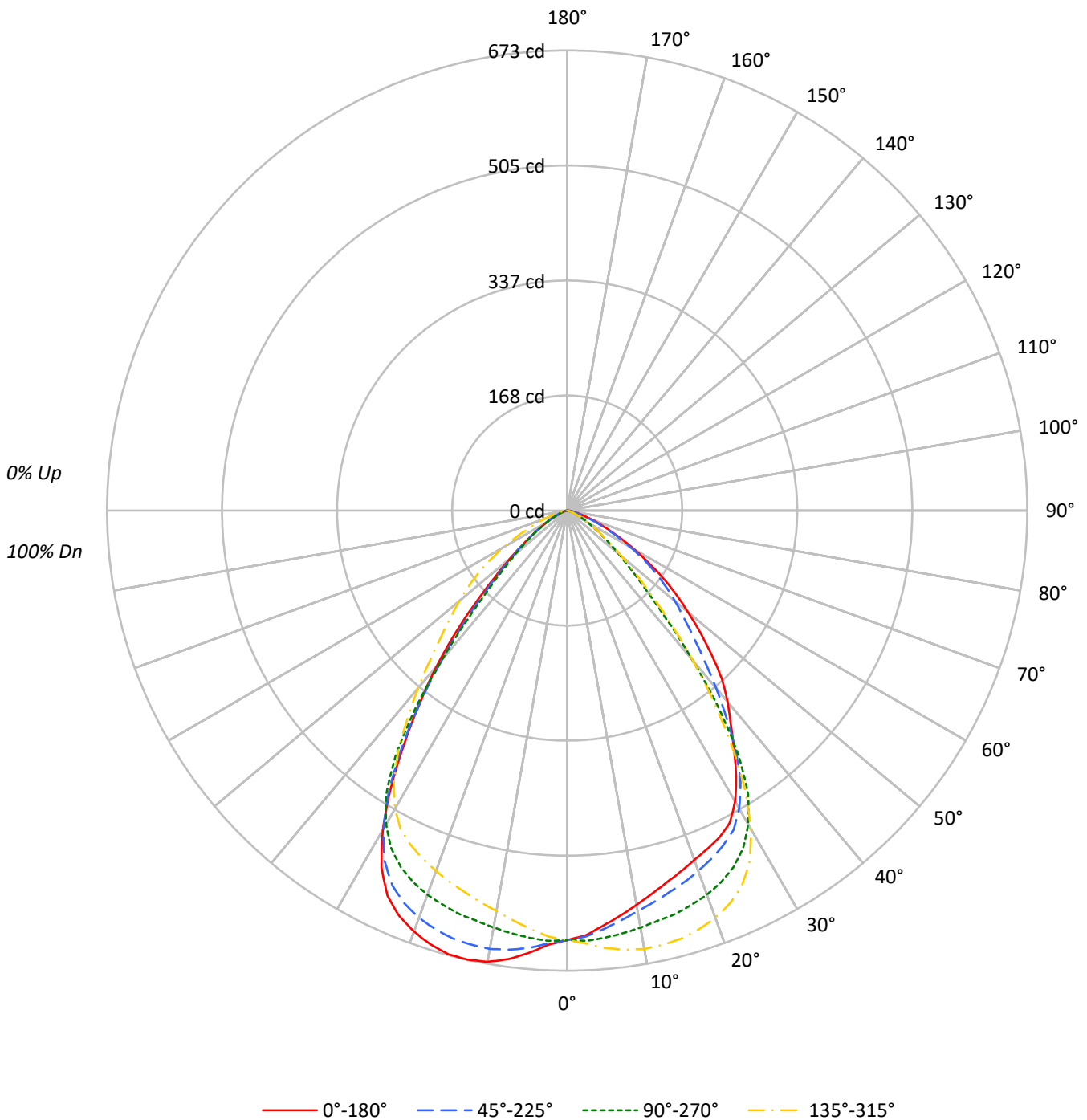
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	19368	19368	19368	19368
5°	18854	19414	20108	19414
10°	18333	19388	20982	19388
15°	17967	19502	21443	19502
20°	17845	19614	21497	19614
25°	17938	19574	21153	19574
30°	17494	18857	19199	18857
35°	16003	16451	15607	16451
40°	14693	11444	11951	11444
45°	13052	6982	8076	6982
50°	11048	4663	5181	4663
55°	9150	3183	3365	3183
60°	6981	2115	2140	2115
65°	4947	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°	59.8	5.7
10°-20°	173.1	16.4
20°-30°	262.1	24.8
30°-40°	262.7	24.8
40°-50°	165.0	15.6
50°-60°	87.9	8.3
60°-70°	36.2	3.4
70°-80°	9.5	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°	495.0	46.8
0°-40°	757.8	71.6
0°-60°	1010.7	95.5
0°-90°	1058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1058.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	628	628	628	628	628	
5°	609	627	650	627	609	57
15°	563	611	672	611	563	159
25°	527	575	622	575	527	242
35°	425	437	415	437	425	266
45°	299	160	185	160	299	230
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°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	621.7	621.0	620.7	621.4	621.7	622.9	622.6	623.2	623.2	623.5	624.1
5°	609.1	608.8	609.1	609.1	610.3	611.5	611.2	612.2	612.8	614.3	614.9
7.5°	597.4	597.4	597.1	598.3	599.0	600.8	600.5	602.0	603.0	604.5	606.6
10°	585.5	585.5	585.8	586.7	587.0	589.8	589.8	591.9	593.1	594.7	597.4
12.5°	573.8	573.8	575.7	575.0	576.3	578.4	579.3	581.5	583.3	586.4	589.2
15°	562.8	562.8	563.4	564.9	565.8	568.6	570.1	572.6	574.7	577.8	581.8
17.5°	553.3	553.0	553.3	555.1	557.0	559.4	560.6	563.7	565.8	569.8	573.5
20°	543.8	544.4	544.4	545.9	547.1	550.2	551.4	554.8	557.3	560.9	565.2
22.5°	535.5	535.2	535.2	537.3	538.2	541.0	542.2	545.3	548.1	551.1	555.1
25°	527.2	526.6	527.8	528.1	528.7	531.8	532.7	534.9	537.6	540.4	544.4
27.5°	514.9	514.3	514.6	515.9	516.8	519.2	519.8	522.0	524.1	526.6	530.0
30°	491.3	490.7	490.4	492.5	493.5	495.3	496.2	499.9	500.5	503.3	505.7
32.5°	460.0	459.7	460.3	462.2	463.1	465.6	466.8	468.9	470.5	472.0	474.4
35°	425.1	424.5	425.1	426.9	426.9	429.1	430.0	430.9	430.6	430.9	430.3
37.5°	392.6	392.3	392.6	393.5	392.6	393.5	392.6	390.7	387.4	383.7	380.0
40°	365.0	365.3	363.4	364.7	361.3	360.7	357.3	352.7	346.0	338.6	328.2
42.5°	335.5	334.6	333.4	334.0	331.2	329.1	323.6	317.7	309.1	296.9	284.3
45°	299.3	299.0	298.4	298.1	296.3	294.1	289.5	282.8	273.3	260.7	245.7
47.5°	264.1	263.1	263.1	263.4	261.3	261.0	257.3	251.5	243.2	230.9	215.3
50°	230.3	230.0	230.6	231.9	230.3	229.7	227.3	223.3	215.9	205.5	190.8
52.5°	200.0	199.7	200.3	201.8	201.2	201.8	199.4	196.3	191.4	181.3	168.4
55°	170.2	170.2	170.2	172.0	172.0	172.0	170.8	169.0	164.4	157.0	145.1
57.5°	139.2	139.5	141.4	141.7	141.4	142.0	141.7	139.8	136.8	131.6	122.4
60°	113.2	113.2	114.1	115.0	114.7	115.0	115.0	114.1	111.0	106.7	99.4
62.5°	89.6	90.5	89.9	90.5	91.7	90.5	89.9	89.2	87.1	84.3	78.2
65°	67.8	68.4	68.4	68.7	68.1	68.4	67.2	66.2	65.0	62.0	58.0
67.5°	51.5	51.5	51.5	51.5	51.2	50.9	50.6	49.7	47.5	46.3	42.0
70°	39.6	37.7	37.7	37.7	37.7	38.0	37.1	35.9	35.3	33.1	30.1
72.5°	26.4	27.0	26.4	26.4	25.8	26.1	24.8	24.2	23.6	22.4	20.6
75°	19.0	17.5	18.1	18.4	17.5	18.1	16.9	15.6	15.6	14.7	13.8
77.5°	12.3	12.0	12.3	12.6	12.3	12.0	11.3	10.7	10.7	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	6.4
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	2.4
87.5°	1.8	2.1	1.8	2.1	1.8	1.8	2.1	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°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	625.0	625.3	625.3	626.6	627.2	627.5	627.5	629.9	629.0	629.6	630.2
5°	616.1	618.0	618.6	618.6	622.0	623.2	624.4	627.2	627.5	629.3	631.5
7.5°	607.5	609.7	610.9	613.7	615.8	618.0	621.7	623.5	625.3	627.8	630.6
10°	599.3	601.7	604.2	606.3	609.7	612.5	614.9	619.2	621.4	624.7	628.4
12.5°	591.3	594.7	596.8	600.5	604.2	606.6	610.3	614.3	617.7	621.0	625.3
15°	584.2	588.2	590.7	594.7	598.7	602.0	606.0	610.9	613.4	617.4	621.4
17.5°	576.6	580.9	583.9	587.6	592.5	596.2	599.6	604.5	607.5	611.8	616.4
20°	568.6	572.9	576.6	580.3	585.2	588.8	592.8	597.7	601.1	605.4	609.1
22.5°	559.1	563.1	567.1	571.4	576.3	579.3	583.9	588.2	591.9	595.9	599.6
25°	546.8	551.7	554.8	558.8	562.8	566.1	571.1	575.3	578.4	582.1	585.5
27.5°	532.4	536.1	538.5	541.9	545.9	549.0	552.6	557.0	560.0	563.4	565.8
30°	507.9	511.3	513.4	515.9	519.8	522.6	525.7	529.6	531.8	534.3	536.4
32.5°	475.7	478.4	479.7	481.5	484.3	487.0	489.5	492.9	493.8	495.3	495.3
35°	429.1	429.7	429.4	430.0	431.2	432.7	434.9	437.0	438.3	438.3	437.3
37.5°	374.5	370.8	366.8	363.7	362.8	362.2	363.4	364.3	365.6	366.2	364.7
40°	317.7	309.5	300.6	292.6	287.1	284.6	283.7	284.3	284.3	286.4	286.4
42.5°	269.0	256.1	242.9	230.9	223.0	216.8	214.1	214.1	214.4	215.9	216.8
45°	228.5	212.2	196.9	183.7	172.7	164.7	161.0	160.1	159.8	160.4	162.5
47.5°	197.5	180.6	164.7	148.4	136.8	128.8	125.4	124.2	123.0	124.2	124.5
50°	173.3	155.8	138.9	122.7	110.4	103.3	99.1	97.2	96.9	96.9	97.5
52.5°	151.2	134.9	118.1	101.5	88.6	81.9	77.9	77.0	75.8	77.0	77.0
55°	130.3	114.1	97.5	81.9	71.1	64.1	60.4	59.2	58.6	59.5	59.5
57.5°	107.7	93.8	78.5	64.4	53.7	48.8	46.0	44.5	44.2	44.8	44.2
60°	88.3	76.7	63.5	50.6	42.3	37.1	35.0	34.3	33.7	34.3	34.3
62.5°	69.9	60.1	49.4	39.6	32.5	28.8	26.4	26.4	26.1	26.1	26.4
65°	51.8	44.2	36.5	28.2	22.7	19.9	18.1	18.1	17.8	18.1	17.8
67.5°	37.7	32.5	26.4	20.6	16.3	14.7	13.5	12.6	13.2	12.6	12.3
70°	27.6	23.3	19.0	15.6	12.6	11.0	10.1	9.8	9.2	9.2	9.2
72.5°	18.4	15.6	12.9	10.1	8.3	6.7	6.4	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	2.4	2.4	2.1	2.1	2.1
80°	6.1	5.2	4.0	3.4	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.7	2.8	2.8	2.4	1.5	1.2	0.9	1.2	0.6	0.6	0.6
85°	2.1	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°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	631.8	631.5	632.1	632.1	633.9	633.6	634.5	634.5	633.9	634.2	635.5
5°	633.9	634.9	636.7	638.2	641.0	642.2	643.7	645.3	645.6	646.5	647.4
7.5°	633.9	637.0	639.1	641.9	645.6	647.7	651.1	653.9	655.1	656.6	658.5
10°	632.7	635.8	639.8	642.8	647.4	650.8	654.2	658.5	660.3	662.8	665.2
12.5°	630.2	633.6	637.9	641.9	647.1	650.2	654.5	658.5	661.2	664.6	667.4
15°	626.6	630.6	634.5	638.5	644.0	647.7	651.7	656.3	659.1	662.8	665.2
17.5°	620.7	625.0	628.7	632.4	637.6	641.9	645.6	649.9	652.6	655.7	659.1
20°	613.7	617.7	621.7	624.7	629.9	633.6	637.6	641.6	643.7	644.4	649.6
22.5°	604.8	607.5	610.6	615.5	618.6	622.0	625.7	629.3	631.5	634.9	636.7
25°	590.1	592.8	596.2	598.3	602.0	604.8	608.5	612.5	613.7	616.1	618.0
27.5°	569.5	571.1	572.6	574.4	576.6	578.1	580.3	582.1	583.3	584.5	585.8
30°	537.0	537.0	537.0	535.8	536.7	537.6	537.9	537.6	537.6	537.3	537.3
32.5°	494.1	491.6	488.9	486.4	485.5	484.3	483.6	482.7	481.2	480.3	480.6
35°	436.1	430.6	427.2	424.2	421.7	419.9	418.9	418.0	417.7	416.5	415.3
37.5°	363.7	359.7	357.3	355.5	353.3	351.5	351.8	352.1	353.0	352.4	352.7
40°	287.1	286.1	287.1	284.9	284.3	284.9	286.4	288.6	289.8	291.1	293.2
42.5°	218.4	219.9	222.0	222.0	223.0	224.2	226.0	229.4	231.2	233.4	235.8
45°	164.4	166.2	169.0	169.9	170.5	172.0	174.2	177.0	178.2	180.0	182.2
47.5°	126.7	127.9	129.4	131.0	132.5	133.1	135.2	135.2	136.8	138.0	138.6
50°	98.8	100.0	101.2	102.1	102.7	103.7	104.3	105.2	105.5	106.1	106.4
52.5°	77.3	78.8	78.8	79.4	80.3	81.3	81.0	81.3	81.6	81.6	82.5
55°	60.4	60.4	61.3	61.3	62.0	61.6	62.0	62.0	62.0	62.0	62.3
57.5°	45.1	45.4	46.3	45.7	45.4	46.0	45.4	46.0	45.7	46.3	45.4
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	25.4	25.4
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	11.3	11.3
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°	2.4	3.4	2.8	2.4	3.4	3.4	3.1	3.1	2.8	2.8	2.8
77.5°	2.4	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





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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	635.2	634.9	635.2	635.5	635.2	634.9	635.2	635.5	634.2	633.9	634.5
5°	648.7	648.7	649.3	649.6	649.3	648.7	648.7	647.4	646.5	645.6	645.3
7.5°	660.3	660.9	661.5	661.8	661.5	660.9	660.3	658.5	656.6	655.1	653.9
10°	667.4	668.3	669.5	670.1	669.5	668.3	667.4	665.2	662.8	660.3	658.5
12.5°	670.4	671.3	672.9	672.6	672.9	671.3	670.4	667.4	664.6	661.2	658.5
15°	668.3	669.5	671.0	671.7	671.0	669.5	668.3	665.2	662.8	659.1	656.3
17.5°	661.5	663.4	664.3	665.2	664.3	663.4	661.5	659.1	655.7	652.6	649.9
20°	652.3	653.6	654.8	655.1	654.8	653.6	652.3	649.6	644.4	643.7	641.6
22.5°	639.1	640.1	642.8	641.9	642.8	640.1	639.1	636.7	634.9	631.5	629.3
25°	620.1	621.0	621.4	621.7	621.4	621.0	620.1	618.0	616.1	613.7	612.5
27.5°	587.3	587.3	587.9	588.2	587.9	587.3	587.3	585.8	584.5	583.3	582.1
30°	537.6	537.6	537.6	539.2	537.6	537.6	537.6	537.3	537.3	537.6	537.6
32.5°	480.3	479.7	479.1	479.7	479.1	479.7	480.3	480.6	480.3	481.2	482.7
35°	415.3	415.0	415.9	414.6	415.9	415.0	415.3	415.3	416.5	417.7	418.0
37.5°	353.0	352.4	353.6	352.4	353.6	352.4	353.0	352.7	352.4	353.0	352.1
40°	293.8	294.4	294.4	296.9	294.4	294.4	293.8	293.2	291.1	289.8	288.6
42.5°	237.1	238.9	238.3	240.1	238.3	238.9	237.1	235.8	233.4	231.2	229.4
45°	183.4	184.6	184.6	185.2	184.6	184.6	183.4	182.2	180.0	178.2	177.0
47.5°	140.8	140.8	140.8	141.1	140.8	140.8	140.8	138.6	138.0	136.8	135.2
50°	107.0	107.3	107.7	108.0	107.7	107.3	107.0	106.4	106.1	105.5	105.2
52.5°	82.2	82.5	81.9	82.5	81.9	82.5	82.2	82.5	81.6	81.6	81.3
55°	62.3	62.0	62.3	62.6	62.3	62.0	62.3	62.3	62.0	62.0	62.0
57.5°	45.7	45.1	45.1	45.1	45.1	45.1	45.7	45.4	46.3	45.7	46.0
60°	34.0	34.3	34.3	34.7	34.3	34.3	34.0	34.7	34.7	35.0	35.0
62.5°	25.1	26.1	25.4	26.1	25.4	26.1	25.1	25.4	25.4	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°	11.0	11.3	12.0	11.7	12.0	11.3	11.0	11.3	11.3	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	2.4	2.1	3.1	2.1	2.4	2.8	2.8	2.8	2.8	3.1
77.5°	1.8	1.5	2.1	2.1	2.1	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



TEST NUMBER: P245958

CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	634.5	633.6	633.9	632.1	632.1	631.5	631.8	630.2	629.6	629.0	629.9
5°	643.7	642.2	641.0	638.2	636.7	634.9	633.9	631.5	629.3	627.5	627.2
7.5°	651.1	647.7	645.6	641.9	639.1	637.0	633.9	630.6	627.8	625.3	623.5
10°	654.2	650.8	647.4	642.8	639.8	635.8	632.7	628.4	624.7	621.4	619.2
12.5°	654.5	650.2	647.1	641.9	637.9	633.6	630.2	625.3	621.0	617.7	614.3
15°	651.7	647.7	644.0	638.5	634.5	630.6	626.6	621.4	617.4	613.4	610.9
17.5°	645.6	641.9	637.6	632.4	628.7	625.0	620.7	616.4	611.8	607.5	604.5
20°	637.6	633.6	629.9	624.7	621.7	617.7	613.7	609.1	605.4	601.1	597.7
22.5°	625.7	622.0	618.6	615.5	610.6	607.5	604.8	599.6	595.9	591.9	588.2
25°	608.5	604.8	602.0	598.3	596.2	592.8	590.1	585.5	582.1	578.4	575.3
27.5°	580.3	578.1	576.6	574.4	572.6	571.1	569.5	565.8	563.4	560.0	557.0
30°	537.9	537.6	536.7	535.8	537.0	537.0	537.0	536.4	534.3	531.8	529.6
32.5°	483.6	484.3	485.5	486.4	488.9	491.6	494.1	495.3	495.3	493.8	492.9
35°	418.9	419.9	421.7	424.2	427.2	430.6	436.1	437.3	438.3	438.3	437.0
37.5°	351.8	351.5	353.3	355.5	357.3	359.7	363.7	364.7	366.2	365.6	364.3
40°	286.4	284.9	284.3	284.9	287.1	286.1	287.1	286.4	286.4	284.3	284.3
42.5°	226.0	224.2	223.0	222.0	222.0	219.9	218.4	216.8	215.9	214.4	214.1
45°	174.2	172.0	170.5	169.9	169.0	166.2	164.4	162.5	160.4	159.8	160.1
47.5°	135.2	133.1	132.5	131.0	129.4	127.9	126.7	124.5	124.2	123.0	124.2
50°	104.3	103.7	102.7	102.1	101.2	100.0	98.8	97.5	96.9	96.9	97.2
52.5°	81.0	81.3	80.3	79.4	78.8	78.8	77.3	77.0	77.0	75.8	77.0
55°	62.0	61.6	62.0	61.3	61.3	60.4	60.4	59.5	59.5	58.6	59.2
57.5°	45.4	46.0	45.4	45.7	46.3	45.4	45.1	44.2	44.8	44.2	44.5
60°	35.3	35.3	35.3	35.0	35.0	34.7	34.7	34.3	34.3	33.7	34.3
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	2.4	2.8	3.4	2.4	2.8	3.7	3.1	3.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.1	2.1	2.1	2.4
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



TEST NUMBER: P245958

CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	627.5	627.5	627.2	626.6	625.3	625.3	625.0	624.1	623.5	623.2	623.2
5°	624.4	623.2	622.0	618.6	618.6	618.0	616.1	614.9	614.3	612.8	612.2
7.5°	621.7	618.0	615.8	613.7	610.9	609.7	607.5	606.6	604.5	603.0	602.0
10°	614.9	612.5	609.7	606.3	604.2	601.7	599.3	597.4	594.7	593.1	591.9
12.5°	610.3	606.6	604.2	600.5	596.8	594.7	591.3	589.2	586.4	583.3	581.5
15°	606.0	602.0	598.7	594.7	590.7	588.2	584.2	581.8	577.8	574.7	572.6
17.5°	599.6	596.2	592.5	587.6	583.9	580.9	576.6	573.5	569.8	565.8	563.7
20°	592.8	588.8	585.2	580.3	576.6	572.9	568.6	565.2	560.9	557.3	554.8
22.5°	583.9	579.3	576.3	571.4	567.1	563.1	559.1	555.1	551.1	548.1	545.3
25°	571.1	566.1	562.8	558.8	554.8	551.7	546.8	544.4	540.4	537.6	534.9
27.5°	552.6	549.0	545.9	541.9	538.5	536.1	532.4	530.0	526.6	524.1	522.0
30°	525.7	522.6	519.8	515.9	513.4	511.3	507.9	505.7	503.3	500.5	499.9
32.5°	489.5	487.0	484.3	481.5	479.7	478.4	475.7	474.4	472.0	470.5	468.9
35°	434.9	432.7	431.2	430.0	429.4	429.7	429.1	430.3	430.9	430.6	430.9
37.5°	363.4	362.2	362.8	363.7	366.8	370.8	374.5	380.0	383.7	387.4	390.7
40°	283.7	284.6	287.1	292.6	300.6	309.5	317.7	328.2	338.6	346.0	352.7
42.5°	214.1	216.8	223.0	230.9	242.9	256.1	269.0	284.3	296.9	309.1	317.7
45°	161.0	164.7	172.7	183.7	196.9	212.2	228.5	245.7	260.7	273.3	282.8
47.5°	125.4	128.8	136.8	148.4	164.7	180.6	197.5	215.3	230.9	243.2	251.5
50°	99.1	103.3	110.4	122.7	138.9	155.8	173.3	190.8	205.5	215.9	223.3
52.5°	77.9	81.9	88.6	101.5	118.1	134.9	151.2	168.4	181.3	191.4	196.3
55°	60.4	64.1	71.1	81.9	97.5	114.1	130.3	145.1	157.0	164.4	169.0
57.5°	46.0	48.8	53.7	64.4	78.5	93.8	107.7	122.4	131.6	136.8	139.8
60°	35.0	37.1	42.3	50.6	63.5	76.7	88.3	99.4	106.7	111.0	114.1
62.5°	26.4	28.8	32.5	39.6	49.4	60.1	69.9	78.2	84.3	87.1	89.2
65°	18.1	19.9	22.7	28.2	36.5	44.2	51.8	58.0	62.0	65.0	66.2
67.5°	13.5	14.7	16.3	20.6	26.4	32.5	37.7	42.0	46.3	47.5	49.7
70°	10.1	11.0	12.6	15.6	19.0	23.3	27.6	30.1	33.1	35.3	35.9
72.5°	6.4	6.7	8.3	10.1	12.9	15.6	18.4	20.6	22.4	23.6	24.2
75°	3.7	5.5	5.5	7.4	9.2	10.4	12.3	13.8	14.7	15.6	15.6
77.5°	2.4	3.4	3.7	4.6	5.5	7.1	8.6	9.5	10.4	10.7	10.7
80°	2.1	2.4	2.4	3.4	4.0	5.2	6.1	6.4	7.1	7.4	8.0
82.5°	0.9	1.2	1.5	2.4	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	2.1	2.4	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



TEST NUMBER: P245958

CATALOG NUMBER: LD8B10D010 ER8B10827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	628.1	628.1	628.1	628.1	628.1	628.1	628.1
2.5°	622.6	622.9	621.7	621.4	620.7	621.0	621.7
5°	611.2	611.5	610.3	609.1	609.1	608.8	609.1
7.5°	600.5	600.8	599.0	598.3	597.1	597.4	597.4
10°	589.8	589.8	587.0	586.7	585.8	585.5	585.5
12.5°	579.3	578.4	576.3	575.0	575.7	573.8	573.8
15°	570.1	568.6	565.8	564.9	563.4	562.8	562.8
17.5°	560.6	559.4	557.0	555.1	553.3	553.0	553.3
20°	551.4	550.2	547.1	545.9	544.4	544.4	543.8
22.5°	542.2	541.0	538.2	537.3	535.2	535.2	535.5
25°	532.7	531.8	528.7	528.1	527.8	526.6	527.2
27.5°	519.8	519.2	516.8	515.9	514.6	514.3	514.9
30°	496.2	495.3	493.5	492.5	490.4	490.7	491.3
32.5°	466.8	465.6	463.1	462.2	460.3	459.7	460.0
35°	430.0	429.1	426.9	426.9	425.1	424.5	425.1
37.5°	392.6	393.5	392.6	393.5	392.6	392.3	392.6
40°	357.3	360.7	361.3	364.7	363.4	365.3	365.0
42.5°	323.6	329.1	331.2	334.0	333.4	334.6	335.5
45°	289.5	294.1	296.3	298.1	298.4	299.0	299.3
47.5°	257.3	261.0	261.3	263.4	263.1	263.1	264.1
50°	227.3	229.7	230.3	231.9	230.6	230.0	230.3
52.5°	199.4	201.8	201.2	201.8	200.3	199.7	200.0
55°	170.8	172.0	172.0	172.0	170.2	170.2	170.2
57.5°	141.7	142.0	141.4	141.7	141.4	139.5	139.2
60°	115.0	115.0	114.7	115.0	114.1	113.2	113.2
62.5°	89.9	90.5	91.7	90.5	89.9	90.5	89.6
65°	67.2	68.4	68.1	68.7	68.4	68.4	67.8
67.5°	50.6	50.9	51.2	51.5	51.5	51.5	51.5
70°	37.1	38.0	37.7	37.7	37.7	37.7	39.6
72.5°	24.8	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°	11.3	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°	2.1	1.8	1.8	2.1	1.8	2.1	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)