

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: P245976

Luminaire Tested: **LD8B10D010 ER8B10840 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245976  
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 ER8B10840 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1121.0 lumens  
Efficiency: N/A  
Efficacy: 109.9 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

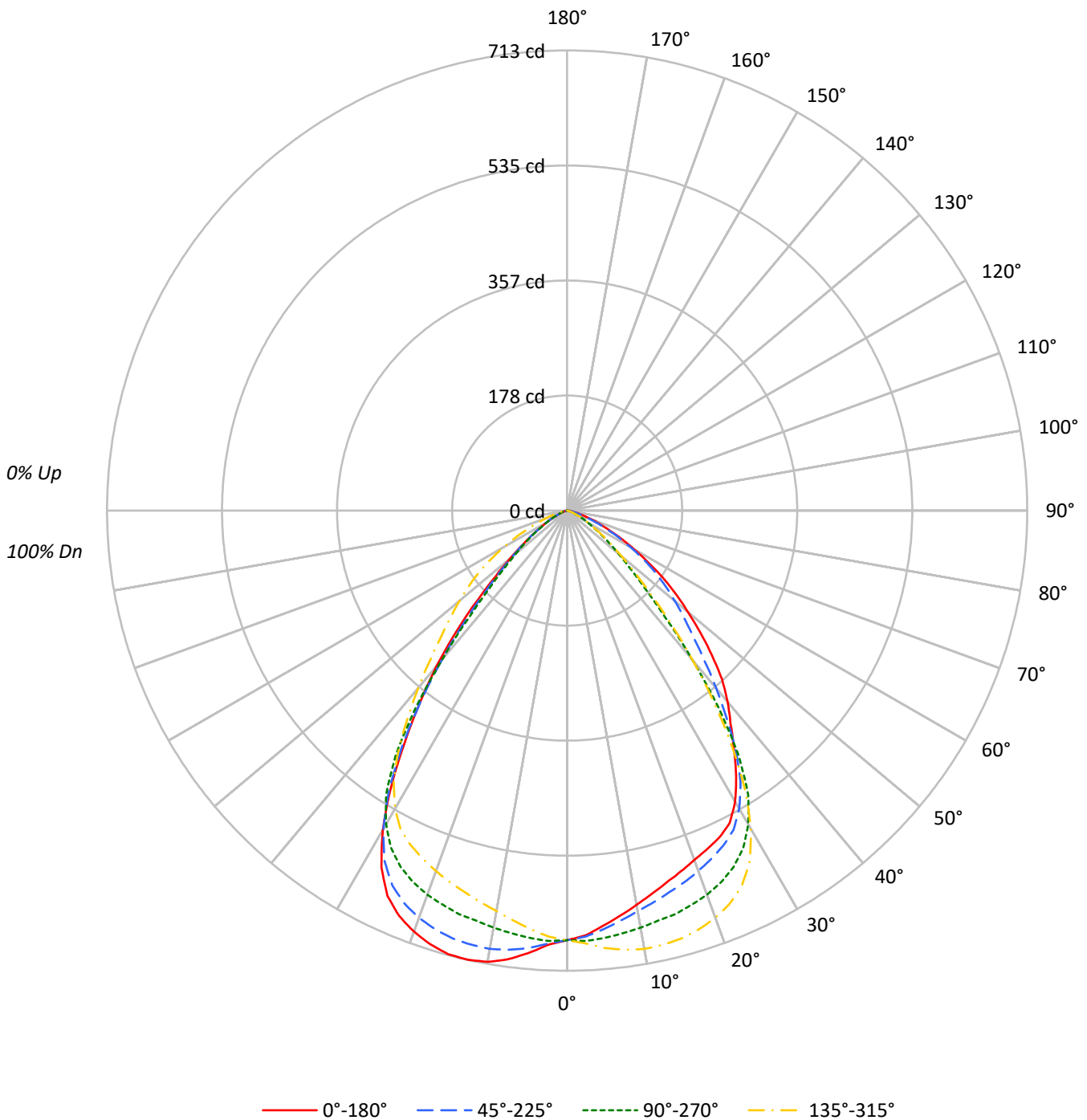
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	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°	20522	20522	20522	20522
5°	19978	20569	21306	20569
10°	19423	20544	22232	20544
15°	19036	20664	22717	20664
20°	18905	20782	22777	20782
25°	19006	20741	22412	20741
30°	18537	19982	20342	19982
35°	16955	17433	16537	17433
40°	15566	12124	12664	12124
45°	13833	7396	8560	7396
50°	11705	4941	5488	4941
55°	9699	3371	3564	3371
60°	7395	2245	2263	2245
65°	5239	1401	1277	1401
70°	3778	938	847	938
75°	2395	465	393	465
80°	1669	355	284	355
85°	1486	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.3	5.7
10°-20°	183.4	16.4
20°-30°	277.8	24.8
30°-40°	278.4	24.8
40°-50°	174.8	15.6
50°-60°	93.2	8.3
60°-70°	38.3	3.4
70°-80°	10.1	0.9
80°-90°	1.7	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°	524.5	46.8
0°-40°	802.9	71.6
0°-60°	1070.9	95.5
0°-90°	1121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1121.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	666	666	666	666	666	
5°	645	664	688	664	645	61
15°	596	647	712	647	596	169
25°	559	610	659	610	559	256
35°	450	463	439	463	450	282
45°	317	170	196	170	317	244
55°	180	63	66	63	180	161
65°	72	19	18	19	72	74
75°	20	4	3	4	20	23
85°	4	0	0	0	4	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°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	658.7	658.0	657.7	658.4	658.7	660.0	659.7	660.3	660.3	660.6	661.3
5°	645.4	645.0	645.4	645.4	646.7	648.0	647.6	648.6	649.3	650.9	651.5
7.5°	633.0	633.0	632.7	634.0	634.6	636.6	636.3	637.9	638.9	640.5	642.8
10°	620.3	620.3	620.7	621.6	622.0	624.9	624.9	627.2	628.5	630.1	633.0
12.5°	608.0	608.0	609.9	609.3	610.6	612.9	613.8	616.1	618.1	621.3	624.2
15°	596.3	596.3	596.9	598.6	599.5	602.5	604.1	606.7	609.0	612.2	616.4
17.5°	586.2	585.9	586.2	588.2	590.1	592.7	594.0	597.3	599.5	603.8	607.7
20°	576.1	576.8	576.8	578.4	579.7	583.0	584.3	587.8	590.4	594.3	598.9
22.5°	567.4	567.0	567.0	569.3	570.3	573.2	574.5	577.8	580.7	583.9	588.2
25°	558.6	557.9	559.2	559.6	560.2	563.5	564.4	566.7	569.6	572.6	576.8
27.5°	545.6	545.0	545.3	546.6	547.5	550.1	550.8	553.1	555.3	557.9	561.5
30°	520.6	519.9	519.6	521.9	522.9	524.8	525.8	529.7	530.3	533.2	535.8
32.5°	487.4	487.1	487.8	489.7	490.7	493.3	494.6	496.9	498.5	500.1	502.7
35°	450.4	449.7	450.4	452.3	452.3	454.6	455.6	456.6	456.2	456.6	455.9
37.5°	415.9	415.6	415.9	416.9	415.9	416.9	415.9	414.0	410.4	406.5	402.6
40°	386.7	387.0	385.1	386.4	382.8	382.1	378.6	373.7	366.6	358.8	347.7
42.5°	355.5	354.5	353.2	353.9	351.0	348.7	342.8	336.7	327.5	314.6	301.2
45°	317.2	316.8	316.2	315.9	313.9	311.6	306.7	299.6	289.5	276.2	260.3
47.5°	279.8	278.8	278.8	279.1	276.9	276.5	272.6	266.5	257.7	244.7	228.1
50°	244.0	243.7	244.4	245.7	244.0	243.4	240.8	236.6	228.8	217.7	202.1
52.5°	211.9	211.5	212.2	213.8	213.2	213.8	211.2	208.0	202.8	192.0	178.4
55°	180.4	180.4	180.4	182.3	182.3	182.3	181.0	179.1	174.2	166.4	153.7
57.5°	147.5	147.9	149.8	150.1	149.8	150.5	150.1	148.2	144.9	139.4	129.7
60°	119.9	119.9	120.9	121.9	121.5	121.9	121.9	120.9	117.6	113.1	105.3
62.5°	94.9	95.9	95.2	95.9	97.2	95.9	95.2	94.6	92.3	89.4	82.9
65°	71.8	72.5	72.5	72.8	72.1	72.5	71.2	70.2	68.9	65.6	61.4
67.5°	54.6	54.6	54.6	54.6	54.3	53.9	53.6	52.6	50.4	49.1	44.5
70°	41.9	40.0	40.0	40.0	40.0	40.3	39.3	38.0	37.4	35.1	31.8
72.5°	27.9	28.6	27.9	27.9	27.3	27.6	26.3	25.7	25.0	23.7	21.8
75°	20.1	18.5	19.2	19.5	18.5	19.2	17.9	16.6	16.6	15.6	14.6
77.5°	13.0	12.7	13.0	13.3	13.0	12.7	12.0	11.4	11.4	11.0	10.1
80°	9.4	9.1	9.1	9.1	8.8	9.1	8.5	8.5	7.8	7.5	6.8
82.5°	6.2	6.2	5.8	6.2	5.8	6.2	5.2	5.2	5.2	4.9	4.2
85°	4.2	3.6	3.6	3.9	3.3	3.9	3.6	3.3	2.9	2.9	2.6
87.5°	2.0	2.3	2.0	2.3	2.0	2.0	2.3	2.0	2.0	1.3	1.3
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°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	662.3	662.6	662.6	663.9	664.5	664.8	664.8	667.5	666.5	667.1	667.8
5°	652.8	654.8	655.4	655.4	659.0	660.3	661.6	664.5	664.8	666.8	669.1
7.5°	643.7	646.0	647.3	650.2	652.5	654.8	658.7	660.6	662.6	665.2	668.1
10°	635.0	637.6	640.2	642.4	646.0	648.9	651.5	656.1	658.4	661.9	665.8
12.5°	626.5	630.1	632.4	636.3	640.2	642.8	646.7	650.9	654.5	658.0	662.6
15°	619.0	623.3	625.9	630.1	634.3	637.9	642.1	647.3	649.9	654.1	658.4
17.5°	610.9	615.5	618.7	622.6	627.8	631.7	635.3	640.5	643.7	648.3	653.2
20°	602.5	607.0	610.9	614.8	620.0	623.9	628.1	633.3	636.9	641.5	645.4
22.5°	592.4	596.6	600.8	605.4	610.6	613.8	618.7	623.3	627.2	631.4	635.3
25°	579.4	584.6	587.8	592.1	596.3	599.9	605.1	609.6	612.9	616.8	620.3
27.5°	564.1	568.0	570.6	574.2	578.4	581.7	585.6	590.1	593.4	596.9	599.5
30°	538.1	541.7	544.0	546.6	550.8	553.7	557.0	561.2	563.5	566.1	568.3
32.5°	504.0	506.9	508.2	510.2	513.1	516.0	518.6	522.2	523.2	524.8	524.8
35°	454.6	455.3	454.9	455.6	456.9	458.5	460.8	463.1	464.4	464.4	463.4
37.5°	396.8	392.9	388.6	385.4	384.4	383.8	385.1	386.0	387.3	388.0	386.4
40°	336.7	327.9	318.5	310.0	304.2	301.6	300.6	301.2	301.2	303.5	303.5
42.5°	285.0	271.3	257.4	244.7	236.2	229.7	226.8	226.8	227.1	228.8	229.7
45°	242.1	224.9	208.6	194.7	182.9	174.5	170.6	169.6	169.3	169.9	172.2
47.5°	209.3	191.4	174.5	157.3	144.9	136.5	132.9	131.6	130.3	131.6	131.9
50°	183.6	165.1	147.2	130.0	117.0	109.5	105.0	103.0	102.7	102.7	103.3
52.5°	160.2	143.0	125.1	107.6	93.9	86.8	82.5	81.6	80.3	81.6	81.6
55°	138.1	120.9	103.3	86.8	75.4	67.9	64.0	62.7	62.1	63.0	63.0
57.5°	114.1	99.4	83.2	68.2	56.9	51.7	48.7	47.1	46.8	47.4	46.8
60°	93.6	81.2	67.3	53.6	44.8	39.3	37.0	36.4	35.7	36.4	36.4
62.5°	74.1	63.7	52.3	41.9	34.4	30.5	27.9	27.9	27.6	27.6	27.9
65°	54.9	46.8	38.7	29.9	24.0	21.1	19.2	19.2	18.8	19.2	18.8
67.5°	40.0	34.4	27.9	21.8	17.2	15.6	14.3	13.3	14.0	13.3	13.0
70°	29.3	24.7	20.1	16.6	13.3	11.7	10.7	10.4	9.8	9.8	9.8
72.5°	19.5	16.6	13.6	10.7	8.8	7.1	6.8	6.2	5.5	5.8	6.5
75°	13.0	11.0	9.8	7.8	5.8	5.8	3.9	3.9	3.3	3.9	2.9
77.5°	9.1	7.5	5.8	4.9	3.9	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.5	5.5	4.2	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	3.9	2.9	2.9	2.6	1.6	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.6	1.0	0.7	0.7	0.3	0.0	0.3	0.3	0.0
87.5°	1.3	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°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	669.4	669.1	669.7	669.7	671.7	671.3	672.3	672.3	671.7	672.0	673.3
5°	671.7	672.7	674.6	676.2	679.1	680.5	682.1	683.7	684.0	685.0	686.0
7.5°	671.7	674.9	677.2	680.1	684.0	686.3	689.9	692.8	694.1	695.7	697.7
10°	670.4	673.6	677.8	681.1	686.0	689.6	693.1	697.7	699.6	702.2	704.8
12.5°	667.8	671.3	675.9	680.1	685.6	688.9	693.4	697.7	700.6	704.2	707.1
15°	663.9	668.1	672.3	676.6	682.4	686.3	690.5	695.4	698.3	702.2	704.8
17.5°	657.7	662.3	666.2	670.0	675.6	680.1	684.0	688.6	691.5	694.8	698.3
20°	650.2	654.5	658.7	661.9	667.5	671.3	675.6	679.8	682.1	682.7	688.3
22.5°	640.8	643.7	647.0	652.2	655.4	659.0	662.9	666.8	669.1	672.7	674.6
25°	625.2	628.1	631.7	634.0	637.9	640.8	644.7	648.9	650.2	652.8	654.8
27.5°	603.4	605.1	606.7	608.6	610.9	612.5	614.8	616.8	618.1	619.4	620.7
30°	569.0	569.0	569.0	567.7	568.7	569.6	570.0	569.6	569.6	569.3	569.3
32.5°	523.5	520.9	518.0	515.4	514.4	513.1	512.4	511.5	509.9	508.9	509.2
35°	462.1	456.2	452.7	449.4	446.8	444.9	443.9	442.9	442.6	441.3	440.0
37.5°	385.4	381.2	378.6	376.6	374.3	372.4	372.7	373.1	374.0	373.4	373.7
40°	304.2	303.2	304.2	301.9	301.2	301.9	303.5	305.8	307.1	308.4	310.7
42.5°	231.4	233.0	235.3	235.3	236.2	237.5	239.5	243.1	245.0	247.3	249.9
45°	174.2	176.1	179.1	180.0	180.7	182.3	184.6	187.5	188.8	190.7	193.0
47.5°	134.2	135.5	137.1	138.8	140.4	141.0	143.3	143.3	144.9	146.2	146.9
50°	104.6	105.9	107.2	108.2	108.9	109.8	110.5	111.5	111.8	112.4	112.8
52.5°	81.9	83.5	83.5	84.2	85.1	86.1	85.8	86.1	86.4	86.4	87.4
55°	64.0	64.0	65.0	65.0	65.6	65.3	65.6	65.6	65.6	65.6	66.0
57.5°	47.8	48.1	49.1	48.4	48.1	48.7	48.1	48.7	48.4	49.1	48.1
60°	36.7	36.7	37.0	37.0	37.4	37.4	37.4	37.0	37.0	36.7	36.7
62.5°	27.6	27.9	28.3	27.9	27.9	27.9	27.6	27.6	27.3	27.0	27.0
65°	18.5	18.2	18.8	18.2	18.5	18.5	18.2	18.5	17.5	17.9	17.5
67.5°	13.3	13.0	12.7	13.0	12.7	12.3	12.3	12.7	13.0	12.0	12.0
70°	8.8	9.1	8.8	9.1	9.4	9.4	9.1	8.8	9.1	8.5	8.8
72.5°	5.5	5.5	5.5	5.5	5.5	5.8	5.8	5.8	5.2	5.2	4.9
75°	2.6	3.6	2.9	2.6	3.6	3.6	3.3	3.3	2.9	2.9	2.9
77.5°	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.6	2.0	1.6
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	1.3	1.0	1.6
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





TEST NUMBER: P245976

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	673.0	672.7	673.0	673.3	673.0	672.7	673.0	673.3	672.0	671.7	672.3
5°	687.3	687.3	687.9	688.3	687.9	687.3	687.3	686.0	685.0	684.0	683.7
7.5°	699.6	700.3	700.9	701.2	700.9	700.3	699.6	697.7	695.7	694.1	692.8
10°	707.1	708.1	709.4	710.0	709.4	708.1	707.1	704.8	702.2	699.6	697.7
12.5°	710.3	711.3	712.9	712.6	712.9	711.3	710.3	707.1	704.2	700.6	697.7
15°	708.1	709.4	711.0	711.6	711.0	709.4	708.1	704.8	702.2	698.3	695.4
17.5°	700.9	702.9	703.8	704.8	703.8	702.9	700.9	698.3	694.8	691.5	688.6
20°	691.2	692.5	693.8	694.1	693.8	692.5	691.2	688.3	682.7	682.1	679.8
22.5°	677.2	678.2	681.1	680.1	681.1	678.2	677.2	674.6	672.7	669.1	666.8
25°	657.0	658.0	658.4	658.7	658.4	658.0	657.0	654.8	652.8	650.2	648.9
27.5°	622.3	622.3	622.9	623.3	622.9	622.3	622.3	620.7	619.4	618.1	616.8
30°	569.6	569.6	569.6	571.3	569.6	569.6	569.6	569.3	569.3	569.6	569.6
32.5°	508.9	508.2	507.6	508.2	507.6	508.2	508.9	509.2	508.9	509.9	511.5
35°	440.0	439.7	440.6	439.3	440.6	439.7	440.0	440.0	441.3	442.6	442.9
37.5°	374.0	373.4	374.7	373.4	374.7	373.4	374.0	373.7	373.4	374.0	373.1
40°	311.3	312.0	312.0	314.6	312.0	312.0	311.3	310.7	308.4	307.1	305.8
42.5°	251.2	253.1	252.5	254.4	252.5	253.1	251.2	249.9	247.3	245.0	243.1
45°	194.3	195.6	195.6	196.3	195.6	195.6	194.3	193.0	190.7	188.8	187.5
47.5°	149.1	149.1	149.1	149.5	149.1	149.1	149.1	146.9	146.2	144.9	143.3
50°	113.4	113.7	114.1	114.4	114.1	113.7	113.4	112.8	112.4	111.8	111.5
52.5°	87.1	87.4	86.8	87.4	86.8	87.4	87.1	87.4	86.4	86.4	86.1
55°	66.0	65.6	66.0	66.3	66.0	65.6	66.0	66.0	65.6	65.6	65.6
57.5°	48.4	47.8	47.8	47.8	47.8	47.8	48.4	48.1	49.1	48.4	48.7
60°	36.1	36.4	36.4	36.7	36.4	36.4	36.1	36.7	36.7	37.0	37.0
62.5°	26.6	27.6	27.0	27.6	27.0	27.6	26.6	27.0	27.0	27.3	27.6
65°	17.2	17.2	17.2	17.5	17.2	17.2	17.2	17.5	17.9	17.5	18.5
67.5°	11.7	12.0	12.7	12.3	12.7	12.0	11.7	12.0	12.0	13.0	12.7
70°	9.4	8.5	8.5	9.4	8.5	8.5	9.4	8.8	8.5	9.1	8.8
72.5°	5.5	4.9	5.5	5.5	5.5	4.9	5.5	4.9	5.2	5.2	5.8
75°	2.9	2.6	2.3	3.3	2.3	2.6	2.9	2.9	2.9	2.9	3.3
77.5°	2.0	1.6	2.3	2.3	2.3	1.6	2.0	1.6	2.0	1.6	2.0
80°	1.0	1.3	1.0	1.6	1.0	1.3	1.0	1.6	1.0	1.3	1.3
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: P245976

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	672.3	671.3	671.7	669.7	669.7	669.1	669.4	667.8	667.1	666.5	667.5
5°	682.1	680.5	679.1	676.2	674.6	672.7	671.7	669.1	666.8	664.8	664.5
7.5°	689.9	686.3	684.0	680.1	677.2	674.9	671.7	668.1	665.2	662.6	660.6
10°	693.1	689.6	686.0	681.1	677.8	673.6	670.4	665.8	661.9	658.4	656.1
12.5°	693.4	688.9	685.6	680.1	675.9	671.3	667.8	662.6	658.0	654.5	650.9
15°	690.5	686.3	682.4	676.6	672.3	668.1	663.9	658.4	654.1	649.9	647.3
17.5°	684.0	680.1	675.6	670.0	666.2	662.3	657.7	653.2	648.3	643.7	640.5
20°	675.6	671.3	667.5	661.9	658.7	654.5	650.2	645.4	641.5	636.9	633.3
22.5°	662.9	659.0	655.4	652.2	647.0	643.7	640.8	635.3	631.4	627.2	623.3
25°	644.7	640.8	637.9	634.0	631.7	628.1	625.2	620.3	616.8	612.9	609.6
27.5°	614.8	612.5	610.9	608.6	606.7	605.1	603.4	599.5	596.9	593.4	590.1
30°	570.0	569.6	568.7	567.7	569.0	569.0	569.0	568.3	566.1	563.5	561.2
32.5°	512.4	513.1	514.4	515.4	518.0	520.9	523.5	524.8	524.8	523.2	522.2
35°	443.9	444.9	446.8	449.4	452.7	456.2	462.1	463.4	464.4	464.4	463.1
37.5°	372.7	372.4	374.3	376.6	378.6	381.2	385.4	386.4	388.0	387.3	386.0
40°	303.5	301.9	301.2	301.9	304.2	303.2	304.2	303.5	303.5	301.2	301.2
42.5°	239.5	237.5	236.2	235.3	235.3	233.0	231.4	229.7	228.8	227.1	226.8
45°	184.6	182.3	180.7	180.0	179.1	176.1	174.2	172.2	169.9	169.3	169.6
47.5°	143.3	141.0	140.4	138.8	137.1	135.5	134.2	131.9	131.6	130.3	131.6
50°	110.5	109.8	108.9	108.2	107.2	105.9	104.6	103.3	102.7	102.7	103.0
52.5°	85.8	86.1	85.1	84.2	83.5	83.5	81.9	81.6	81.6	80.3	81.6
55°	65.6	65.3	65.6	65.0	65.0	64.0	64.0	63.0	63.0	62.1	62.7
57.5°	48.1	48.7	48.1	48.4	49.1	48.1	47.8	46.8	47.4	46.8	47.1
60°	37.4	37.4	37.4	37.0	37.0	36.7	36.7	36.4	36.4	35.7	36.4
62.5°	27.6	27.9	27.9	27.9	28.3	27.9	27.6	27.9	27.6	27.6	27.9
65°	18.2	18.5	18.5	18.2	18.8	18.2	18.5	18.8	19.2	18.8	19.2
67.5°	12.3	12.3	12.7	13.0	12.7	13.0	13.3	13.0	13.3	14.0	13.3
70°	9.1	9.4	9.4	9.1	8.8	9.1	8.8	9.8	9.8	9.8	10.4
72.5°	5.8	5.8	5.5	5.5	5.5	5.5	5.5	6.5	5.8	5.5	6.2
75°	3.3	3.6	3.6	2.6	2.9	3.6	2.6	2.9	3.9	3.3	3.9
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.3	2.3	2.3	2.6
80°	1.6	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.6	1.6	2.0
82.5°	0.7	0.7	0.3	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.3
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: P245976

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	664.8	664.8	664.5	663.9	662.6	662.6	662.3	661.3	660.6	660.3	660.3
5°	661.6	660.3	659.0	655.4	655.4	654.8	652.8	651.5	650.9	649.3	648.6
7.5°	658.7	654.8	652.5	650.2	647.3	646.0	643.7	642.8	640.5	638.9	637.9
10°	651.5	648.9	646.0	642.4	640.2	637.6	635.0	633.0	630.1	628.5	627.2
12.5°	646.7	642.8	640.2	636.3	632.4	630.1	626.5	624.2	621.3	618.1	616.1
15°	642.1	637.9	634.3	630.1	625.9	623.3	619.0	616.4	612.2	609.0	606.7
17.5°	635.3	631.7	627.8	622.6	618.7	615.5	610.9	607.7	603.8	599.5	597.3
20°	628.1	623.9	620.0	614.8	610.9	607.0	602.5	598.9	594.3	590.4	587.8
22.5°	618.7	613.8	610.6	605.4	600.8	596.6	592.4	588.2	583.9	580.7	577.8
25°	605.1	599.9	596.3	592.1	587.8	584.6	579.4	576.8	572.6	569.6	566.7
27.5°	585.6	581.7	578.4	574.2	570.6	568.0	564.1	561.5	557.9	555.3	553.1
30°	557.0	553.7	550.8	546.6	544.0	541.7	538.1	535.8	533.2	530.3	529.7
32.5°	518.6	516.0	513.1	510.2	508.2	506.9	504.0	502.7	500.1	498.5	496.9
35°	460.8	458.5	456.9	455.6	454.9	455.3	454.6	455.9	456.6	456.2	456.6
37.5°	385.1	383.8	384.4	385.4	388.6	392.9	396.8	402.6	406.5	410.4	414.0
40°	300.6	301.6	304.2	310.0	318.5	327.9	336.7	347.7	358.8	366.6	373.7
42.5°	226.8	229.7	236.2	244.7	257.4	271.3	285.0	301.2	314.6	327.5	336.7
45°	170.6	174.5	182.9	194.7	208.6	224.9	242.1	260.3	276.2	289.5	299.6
47.5°	132.9	136.5	144.9	157.3	174.5	191.4	209.3	228.1	244.7	257.7	266.5
50°	105.0	109.5	117.0	130.0	147.2	165.1	183.6	202.1	217.7	228.8	236.6
52.5°	82.5	86.8	93.9	107.6	125.1	143.0	160.2	178.4	192.0	202.8	208.0
55°	64.0	67.9	75.4	86.8	103.3	120.9	138.1	153.7	166.4	174.2	179.1
57.5°	48.7	51.7	56.9	68.2	83.2	99.4	114.1	129.7	139.4	144.9	148.2
60°	37.0	39.3	44.8	53.6	67.3	81.2	93.6	105.3	113.1	117.6	120.9
62.5°	27.9	30.5	34.4	41.9	52.3	63.7	74.1	82.9	89.4	92.3	94.6
65°	19.2	21.1	24.0	29.9	38.7	46.8	54.9	61.4	65.6	68.9	70.2
67.5°	14.3	15.6	17.2	21.8	27.9	34.4	40.0	44.5	49.1	50.4	52.6
70°	10.7	11.7	13.3	16.6	20.1	24.7	29.3	31.8	35.1	37.4	38.0
72.5°	6.8	7.1	8.8	10.7	13.6	16.6	19.5	21.8	23.7	25.0	25.7
75°	3.9	5.8	5.8	7.8	9.8	11.0	13.0	14.6	15.6	16.6	16.6
77.5°	2.6	3.6	3.9	4.9	5.8	7.5	9.1	10.1	11.0	11.4	11.4
80°	2.3	2.6	2.6	3.6	4.2	5.5	6.5	6.8	7.5	7.8	8.5
82.5°	1.0	1.3	1.6	2.6	2.9	2.9	3.9	4.2	4.9	5.2	5.2
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	2.9	2.9	3.3
87.5°	0.3	0.3	0.0	0.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0
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: P245976

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	659.7	660.0	658.7	658.4	657.7	658.0	658.7
5°	647.6	648.0	646.7	645.4	645.4	645.0	645.4
7.5°	636.3	636.6	634.6	634.0	632.7	633.0	633.0
10°	624.9	624.9	622.0	621.6	620.7	620.3	620.3
12.5°	613.8	612.9	610.6	609.3	609.9	608.0	608.0
15°	604.1	602.5	599.5	598.6	596.9	596.3	596.3
17.5°	594.0	592.7	590.1	588.2	586.2	585.9	586.2
20°	584.3	583.0	579.7	578.4	576.8	576.8	576.1
22.5°	574.5	573.2	570.3	569.3	567.0	567.0	567.4
25°	564.4	563.5	560.2	559.6	559.2	557.9	558.6
27.5°	550.8	550.1	547.5	546.6	545.3	545.0	545.6
30°	525.8	524.8	522.9	521.9	519.6	519.9	520.6
32.5°	494.6	493.3	490.7	489.7	487.8	487.1	487.4
35°	455.6	454.6	452.3	452.3	450.4	449.7	450.4
37.5°	415.9	416.9	415.9	416.9	415.9	415.6	415.9
40°	378.6	382.1	382.8	386.4	385.1	387.0	386.7
42.5°	342.8	348.7	351.0	353.9	353.2	354.5	355.5
45°	306.7	311.6	313.9	315.9	316.2	316.8	317.2
47.5°	272.6	276.5	276.9	279.1	278.8	278.8	279.8
50°	240.8	243.4	244.0	245.7	244.4	243.7	244.0
52.5°	211.2	213.8	213.2	213.8	212.2	211.5	211.9
55°	181.0	182.3	182.3	182.3	180.4	180.4	180.4
57.5°	150.1	150.5	149.8	150.1	149.8	147.9	147.5
60°	121.9	121.9	121.5	121.9	120.9	119.9	119.9
62.5°	95.2	95.9	97.2	95.9	95.2	95.9	94.9
65°	71.2	72.5	72.1	72.8	72.5	72.5	71.8
67.5°	53.6	53.9	54.3	54.6	54.6	54.6	54.6
70°	39.3	40.3	40.0	40.0	40.0	40.0	41.9
72.5°	26.3	27.6	27.3	27.9	27.9	28.6	27.9
75°	17.9	19.2	18.5	19.5	19.2	18.5	20.1
77.5°	12.0	12.7	13.0	13.3	13.0	12.7	13.0
80°	8.5	9.1	8.8	9.1	9.1	9.1	9.4
82.5°	5.2	6.2	5.8	6.2	5.8	6.2	6.2
85°	3.6	3.9	3.3	3.9	3.6	3.6	4.2
87.5°	2.3	2.0	2.0	2.3	2.0	2.3	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)