

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: P245832

Luminaire Tested: **LD8B10D010 ER8B10840 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245832  
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 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 4000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1048.0 lumens  
Efficiency: N/A  
Efficacy: 102.7 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

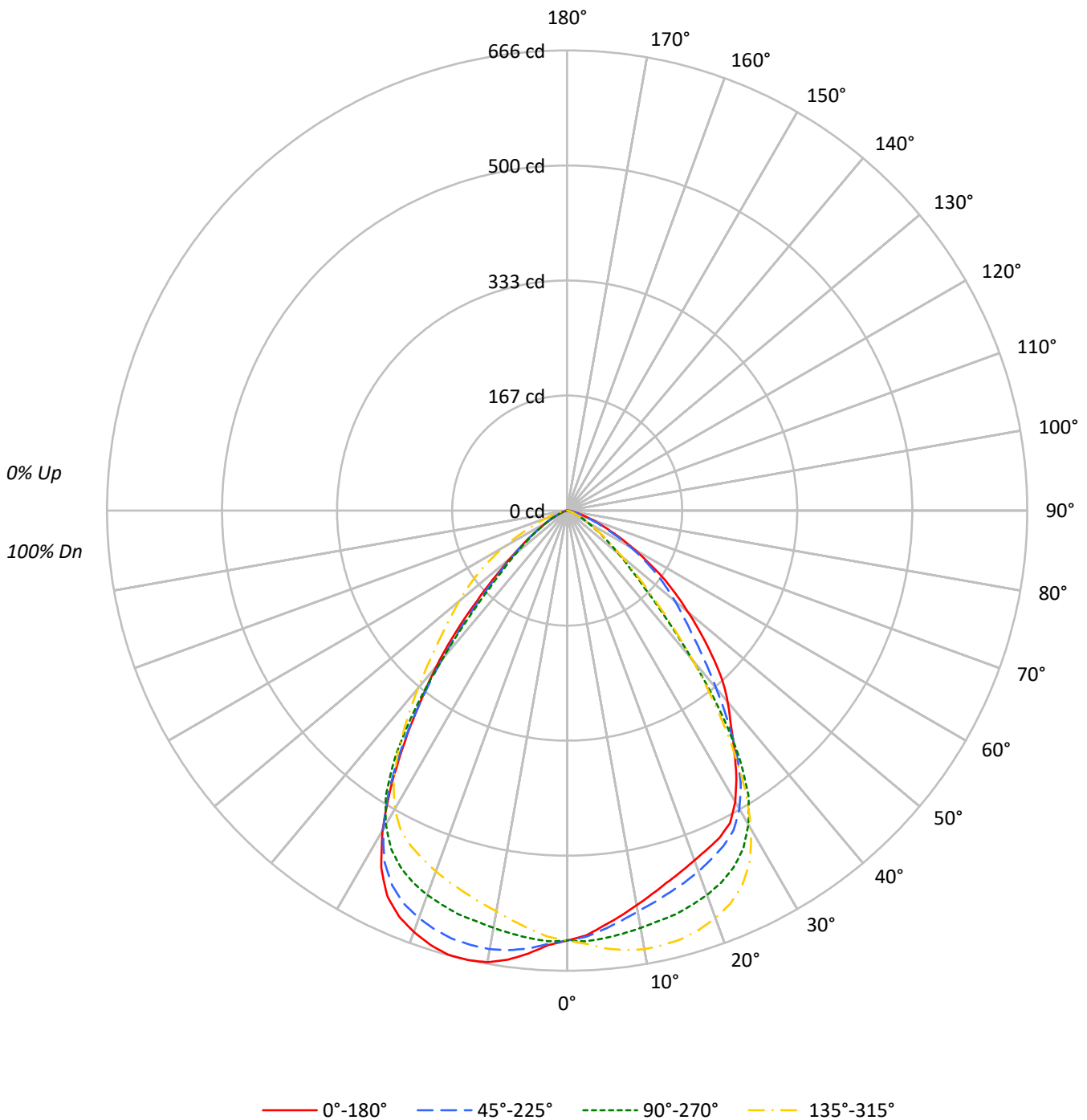
Input Watts (W): 10.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	19186	19186	19186	19186
5°	18675	19232	19916	19232
10°	18158	19204	20785	19204
15°	17798	19320	21239	19320
20°	17674	19430	21294	19430
25°	17767	19390	20952	19390
30°	17330	18679	19018	18679
35°	15852	16296	15460	16296
40°	14552	11336	11839	11336
45°	12930	6916	8002	6916
50°	10943	4620	5128	4620
55°	9064	3150	3333	3150
60°	6914	2097	2115	2097
65°	4896	1306	1197	1306
70°	3534	875	793	875
75°	2240	441	357	441
80°	1563	320	266	320
85°	1415	0	106	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.2	5.7
10°-20°	171.5	16.4
20°-30°	259.7	24.8
30°-40°	260.2	24.8
40°-50°	163.4	15.6
50°-60°	87.1	8.3
60°-70°	35.8	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°	490.4	46.8
0°-40°	750.6	71.6
0°-60°	1001.1	95.5
0°-90°	1048.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	622	622	622	622	622	
5°	603	621	643	621	603	57
15°	558	605	665	605	558	158
25°	522	570	616	570	522	240
35°	421	433	411	433	421	264
45°	296	159	184	159	296	228
55°	169	59	62	59	169	150
65°	67	18	16	18	67	70
75°	19	4	3	4	19	21
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°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	615.8	615.2	614.9	615.5	615.8	617.0	616.7	617.3	617.3	617.6	618.2
5°	603.3	603.0	603.3	603.3	604.5	605.8	605.5	606.4	607.0	608.5	609.1
7.5°	591.8	591.8	591.5	592.7	593.3	595.1	594.8	596.3	597.3	598.8	600.9
10°	579.9	579.9	580.2	581.2	581.5	584.2	584.2	586.3	587.5	589.1	591.8
12.5°	568.4	568.4	570.2	569.6	570.8	572.9	573.9	576.0	577.8	580.9	583.6
15°	557.5	557.5	558.1	559.6	560.5	563.2	564.7	567.2	569.3	572.3	576.3
17.5°	548.0	547.7	548.0	549.9	551.7	554.1	555.3	558.4	560.5	564.4	568.1
20°	538.6	539.2	539.2	540.7	542.0	545.0	546.2	549.6	552.0	555.6	559.9
22.5°	530.4	530.1	530.1	532.2	533.2	535.9	537.1	540.1	542.9	545.9	549.9
25°	522.2	521.6	522.8	523.1	523.7	526.8	527.7	529.8	532.5	535.3	539.2
27.5°	510.1	509.5	509.8	511.0	511.9	514.3	514.9	517.1	519.2	521.6	525.0
30°	486.7	486.1	485.8	487.9	488.8	490.6	491.5	495.2	495.8	498.5	500.9
32.5°	455.7	455.4	456.0	457.8	458.7	461.2	462.4	464.5	466.0	467.5	470.0
35°	421.1	420.4	421.1	422.9	422.9	425.0	425.9	426.8	426.5	426.8	426.2
37.5°	388.9	388.5	388.9	389.8	388.9	389.8	388.9	387.0	383.7	380.0	376.4
40°	361.5	361.8	360.0	361.2	357.9	357.3	353.9	349.4	342.7	335.4	325.1
42.5°	332.4	331.4	330.2	330.8	328.1	326.0	320.5	314.7	306.2	294.1	281.6
45°	296.5	296.2	295.6	295.3	293.5	291.3	286.8	280.1	270.7	258.2	243.3
47.5°	261.6	260.7	260.7	261.0	258.8	258.5	254.9	249.1	240.9	228.8	213.3
50°	228.1	227.8	228.5	229.7	228.1	227.5	225.1	221.2	213.9	203.5	189.0
52.5°	198.1	197.8	198.4	199.9	199.3	199.9	197.5	194.4	189.6	179.5	166.8
55°	168.6	168.6	168.6	170.4	170.4	170.4	169.2	167.4	162.8	155.5	143.7
57.5°	137.9	138.2	140.0	140.3	140.0	140.7	140.3	138.5	135.5	130.3	121.2
60°	112.1	112.1	113.0	113.9	113.6	113.9	113.9	113.0	110.0	105.7	98.4
62.5°	88.7	89.6	89.0	89.6	90.8	89.6	89.0	88.4	86.3	83.5	77.5
65°	67.1	67.7	67.7	68.0	67.4	67.7	66.5	65.6	64.4	61.4	57.4
67.5°	51.0	51.0	51.0	51.0	50.7	50.4	50.1	49.2	47.1	45.9	41.6
70°	39.2	37.4	37.4	37.4	37.4	37.7	36.8	35.5	34.9	32.8	29.8
72.5°	26.1	26.7	26.1	26.1	25.5	25.8	24.6	24.0	23.4	22.2	20.4
75°	18.8	17.3	17.9	18.2	17.3	17.9	16.7	15.5	15.5	14.6	13.7
77.5°	12.2	11.9	12.2	12.5	12.2	11.9	11.2	10.6	10.6	10.3	9.4
80°	8.8	8.5	8.5	8.5	8.2	8.5	7.9	7.9	7.3	7.0	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	3.3	3.3	3.7	3.0	3.7	3.3	3.0	2.7	2.7	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°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	619.1	619.4	619.4	620.7	621.3	621.6	621.6	624.0	623.1	623.7	624.3
5°	610.3	612.1	612.7	612.7	616.1	617.3	618.5	621.3	621.6	623.4	625.5
7.5°	601.8	603.9	605.2	607.9	610.0	612.1	615.8	617.6	619.4	621.9	624.6
10°	593.6	596.0	598.5	600.6	603.9	606.7	609.1	613.3	615.5	618.8	622.5
12.5°	585.7	589.1	591.2	594.8	598.5	600.9	604.5	608.5	611.8	615.2	619.4
15°	578.7	582.7	585.1	589.1	593.0	596.3	600.3	605.2	607.6	611.5	615.5
17.5°	571.1	575.4	578.4	582.1	586.9	590.6	593.9	598.8	601.8	606.1	610.6
20°	563.2	567.5	571.1	574.8	579.6	583.3	587.2	592.1	595.4	599.7	603.3
22.5°	553.8	557.8	561.7	566.0	570.8	573.9	578.4	582.7	586.3	590.3	593.9
25°	541.7	546.5	549.6	553.5	557.5	560.8	565.7	569.9	572.9	576.6	579.9
27.5°	527.4	531.0	533.5	536.8	540.7	543.8	547.4	551.7	554.7	558.1	560.5
30°	503.1	506.4	508.6	511.0	514.9	517.7	520.7	524.6	526.8	529.2	531.3
32.5°	471.2	473.9	475.1	477.0	479.7	482.4	484.9	488.2	489.1	490.6	490.6
35°	425.0	425.6	425.3	425.9	427.1	428.6	430.8	432.9	434.1	434.1	433.2
37.5°	370.9	367.3	363.3	360.3	359.4	358.8	360.0	360.9	362.1	362.7	361.2
40°	314.7	306.5	297.7	289.8	284.3	281.9	281.0	281.6	281.6	283.7	283.7
42.5°	266.4	253.7	240.6	228.8	220.9	214.8	212.0	212.0	212.3	213.9	214.8
45°	226.3	210.2	195.0	182.0	171.0	163.1	159.5	158.6	158.3	158.9	161.0
47.5°	195.6	178.9	163.1	147.0	135.5	127.6	124.3	123.0	121.8	123.0	123.3
50°	171.6	154.3	137.6	121.5	109.4	102.4	98.1	96.3	96.0	96.0	96.6
52.5°	149.8	133.7	117.0	100.6	87.8	81.1	77.2	76.3	75.0	76.3	76.3
55°	129.1	113.0	96.6	81.1	70.5	63.5	59.8	58.6	58.0	58.9	58.9
57.5°	106.6	93.0	77.8	63.8	53.2	48.3	45.6	44.1	43.7	44.4	43.7
60°	87.5	76.0	62.9	50.1	41.9	36.8	34.6	34.0	33.4	34.0	34.0
62.5°	69.3	59.5	48.9	39.2	32.2	28.6	26.1	26.1	25.8	25.8	26.1
65°	51.3	43.7	36.1	27.9	22.5	19.7	17.9	17.9	17.6	17.9	17.6
67.5°	37.4	32.2	26.1	20.4	16.1	14.6	13.4	12.5	13.1	12.5	12.2
70°	27.3	23.1	18.8	15.5	12.5	10.9	10.0	9.7	9.1	9.1	9.1
72.5°	18.2	15.5	12.8	10.0	8.2	6.7	6.4	5.8	5.2	5.5	6.1
75°	12.2	10.3	9.1	7.3	5.5	5.5	3.7	3.7	3.0	3.7	2.7
77.5°	8.5	7.0	5.5	4.6	3.7	3.3	2.4	2.4	2.1	2.1	2.1
80°	6.1	5.2	4.0	3.3	2.4	2.4	2.1	1.8	1.5	1.5	1.8
82.5°	3.7	2.7	2.7	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°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	625.8	625.5	626.1	626.1	627.9	627.6	628.5	628.5	627.9	628.2	629.5
5°	627.9	628.9	630.7	632.2	634.9	636.1	637.7	639.2	639.5	640.4	641.3
7.5°	627.9	631.0	633.1	635.8	639.5	641.6	644.9	647.7	648.9	650.4	652.2
10°	626.7	629.8	633.7	636.7	641.3	644.6	648.0	652.2	654.1	656.5	658.9
12.5°	624.3	627.6	631.9	635.8	641.0	644.0	648.3	652.2	655.0	658.3	661.1
15°	620.7	624.6	628.5	632.5	638.0	641.6	645.6	650.1	652.8	656.5	658.9
17.5°	614.9	619.1	622.8	626.4	631.6	635.8	639.5	643.7	646.5	649.5	652.8
20°	607.9	611.8	615.8	618.8	624.0	627.6	631.6	635.5	637.7	638.3	643.4
22.5°	599.1	601.8	604.8	609.7	612.7	616.1	619.7	623.4	625.5	628.9	630.7
25°	584.5	587.2	590.6	592.7	596.3	599.1	602.7	606.7	607.9	610.3	612.1
27.5°	564.1	565.7	567.2	569.0	571.1	572.6	574.8	576.6	577.8	579.0	580.2
30°	531.9	531.9	531.9	530.7	531.6	532.5	532.8	532.5	532.5	532.2	532.2
32.5°	489.4	487.0	484.2	481.8	480.9	479.7	479.1	478.2	476.7	475.7	476.0
35°	432.0	426.5	423.2	420.1	417.7	415.9	415.0	414.1	413.8	412.6	411.3
37.5°	360.3	356.3	353.9	352.1	350.0	348.1	348.4	348.8	349.7	349.1	349.4
40°	284.3	283.4	284.3	282.2	281.6	282.2	283.7	285.9	287.1	288.3	290.4
42.5°	216.3	217.8	220.0	220.0	220.9	222.1	223.9	227.2	229.1	231.2	233.6
45°	162.8	164.7	167.4	168.3	168.9	170.4	172.6	175.3	176.5	178.3	180.4
47.5°	125.5	126.7	128.2	129.7	131.2	131.8	134.0	134.0	135.5	136.7	137.3
50°	97.8	99.0	100.2	101.2	101.8	102.7	103.3	104.2	104.5	105.1	105.4
52.5°	76.6	78.1	78.1	78.7	79.6	80.5	80.2	80.5	80.8	80.8	81.7
55°	59.8	59.8	60.8	60.8	61.4	61.1	61.4	61.4	61.4	61.4	61.7
57.5°	44.7	45.0	45.9	45.3	45.0	45.6	45.0	45.6	45.3	45.9	45.0
60°	34.3	34.3	34.6	34.6	34.9	34.9	34.9	34.6	34.6	34.3	34.3
62.5°	25.8	26.1	26.4	26.1	26.1	26.1	25.8	25.8	25.5	25.2	25.2
65°	17.3	17.0	17.6	17.0	17.3	17.3	17.0	17.3	16.4	16.7	16.4
67.5°	12.5	12.2	11.9	12.2	11.9	11.5	11.5	11.9	12.2	11.2	11.2
70°	8.2	8.5	8.2	8.5	8.8	8.8	8.5	8.2	8.5	7.9	8.2
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	3.3	2.7	2.4	3.3	3.3	3.0	3.0	2.7	2.7	2.7
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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CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	629.2	628.9	629.2	629.5	629.2	628.9	629.2	629.5	628.2	627.9	628.5
5°	642.5	642.5	643.1	643.4	643.1	642.5	642.5	641.3	640.4	639.5	639.2
7.5°	654.1	654.7	655.3	655.6	655.3	654.7	654.1	652.2	650.4	648.9	647.7
10°	661.1	662.0	663.2	663.8	663.2	662.0	661.1	658.9	656.5	654.1	652.2
12.5°	664.1	665.0	666.5	666.2	666.5	665.0	664.1	661.1	658.3	655.0	652.2
15°	662.0	663.2	664.7	665.3	664.7	663.2	662.0	658.9	656.5	652.8	650.1
17.5°	655.3	657.1	658.0	658.9	658.0	657.1	655.3	652.8	649.5	646.5	643.7
20°	646.2	647.4	648.6	648.9	648.6	647.4	646.2	643.4	638.3	637.7	635.5
22.5°	633.1	634.0	636.7	635.8	636.7	634.0	633.1	630.7	628.9	625.5	623.4
25°	614.3	615.2	615.5	615.8	615.5	615.2	614.3	612.1	610.3	607.9	606.7
27.5°	581.8	581.8	582.4	582.7	582.4	581.8	581.8	580.2	579.0	577.8	576.6
30°	532.5	532.5	532.5	534.1	532.5	532.5	532.5	532.2	532.2	532.5	532.5
32.5°	475.7	475.1	474.5	475.1	474.5	475.1	475.7	476.0	475.7	476.7	478.2
35°	411.3	411.0	411.9	410.7	411.9	411.0	411.3	411.3	412.6	413.8	414.1
37.5°	349.7	349.1	350.3	349.1	350.3	349.1	349.7	349.4	349.1	349.7	348.8
40°	291.0	291.6	291.6	294.1	291.6	291.6	291.0	290.4	288.3	287.1	285.9
42.5°	234.8	236.7	236.0	237.9	236.0	236.7	234.8	233.6	231.2	229.1	227.2
45°	181.7	182.9	182.9	183.5	182.9	182.9	181.7	180.4	178.3	176.5	175.3
47.5°	139.4	139.4	139.4	139.7	139.4	139.4	139.4	137.3	136.7	135.5	134.0
50°	106.0	106.3	106.6	106.9	106.6	106.3	106.0	105.4	105.1	104.5	104.2
52.5°	81.4	81.7	81.1	81.7	81.1	81.7	81.4	81.7	80.8	80.8	80.5
55°	61.7	61.4	61.7	62.0	61.7	61.4	61.7	61.7	61.4	61.4	61.4
57.5°	45.3	44.7	44.7	44.7	44.7	44.7	45.3	45.0	45.9	45.3	45.6
60°	33.7	34.0	34.0	34.3	34.0	34.0	33.7	34.3	34.3	34.6	34.6
62.5°	24.9	25.8	25.2	25.8	25.2	25.8	24.9	25.2	25.2	25.5	25.8
65°	16.1	16.1	16.1	16.4	16.1	16.1	16.1	16.4	16.7	16.4	17.3
67.5°	10.9	11.2	11.9	11.5	11.9	11.2	10.9	11.2	11.2	12.2	11.9
70°	8.8	7.9	7.9	8.8	7.9	7.9	8.8	8.2	7.9	8.5	8.2
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°	2.7	2.4	2.1	3.0	2.1	2.4	2.7	2.7	2.7	2.7	3.0
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



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	628.5	627.6	627.9	626.1	626.1	625.5	625.8	624.3	623.7	623.1	624.0
5°	637.7	636.1	634.9	632.2	630.7	628.9	627.9	625.5	623.4	621.6	621.3
7.5°	644.9	641.6	639.5	635.8	633.1	631.0	627.9	624.6	621.9	619.4	617.6
10°	648.0	644.6	641.3	636.7	633.7	629.8	626.7	622.5	618.8	615.5	613.3
12.5°	648.3	644.0	641.0	635.8	631.9	627.6	624.3	619.4	615.2	611.8	608.5
15°	645.6	641.6	638.0	632.5	628.5	624.6	620.7	615.5	611.5	607.6	605.2
17.5°	639.5	635.8	631.6	626.4	622.8	619.1	614.9	610.6	606.1	601.8	598.8
20°	631.6	627.6	624.0	618.8	615.8	611.8	607.9	603.3	599.7	595.4	592.1
22.5°	619.7	616.1	612.7	609.7	604.8	601.8	599.1	593.9	590.3	586.3	582.7
25°	602.7	599.1	596.3	592.7	590.6	587.2	584.5	579.9	576.6	572.9	569.9
27.5°	574.8	572.6	571.1	569.0	567.2	565.7	564.1	560.5	558.1	554.7	551.7
30°	532.8	532.5	531.6	530.7	531.9	531.9	531.9	531.3	529.2	526.8	524.6
32.5°	479.1	479.7	480.9	481.8	484.2	487.0	489.4	490.6	490.6	489.1	488.2
35°	415.0	415.9	417.7	420.1	423.2	426.5	432.0	433.2	434.1	434.1	432.9
37.5°	348.4	348.1	350.0	352.1	353.9	356.3	360.3	361.2	362.7	362.1	360.9
40°	283.7	282.2	281.6	282.2	284.3	283.4	284.3	283.7	283.7	281.6	281.6
42.5°	223.9	222.1	220.9	220.0	220.0	217.8	216.3	214.8	213.9	212.3	212.0
45°	172.6	170.4	168.9	168.3	167.4	164.7	162.8	161.0	158.9	158.3	158.6
47.5°	134.0	131.8	131.2	129.7	128.2	126.7	125.5	123.3	123.0	121.8	123.0
50°	103.3	102.7	101.8	101.2	100.2	99.0	97.8	96.6	96.0	96.0	96.3
52.5°	80.2	80.5	79.6	78.7	78.1	78.1	76.6	76.3	76.3	75.0	76.3
55°	61.4	61.1	61.4	60.8	60.8	59.8	59.8	58.9	58.9	58.0	58.6
57.5°	45.0	45.6	45.0	45.3	45.9	45.0	44.7	43.7	44.4	43.7	44.1
60°	34.9	34.9	34.9	34.6	34.6	34.3	34.3	34.0	34.0	33.4	34.0
62.5°	25.8	26.1	26.1	26.1	26.4	26.1	25.8	26.1	25.8	25.8	26.1
65°	17.0	17.3	17.3	17.0	17.6	17.0	17.3	17.6	17.9	17.6	17.9
67.5°	11.5	11.5	11.9	12.2	11.9	12.2	12.5	12.2	12.5	13.1	12.5
70°	8.5	8.8	8.8	8.5	8.2	8.5	8.2	9.1	9.1	9.1	9.7
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°	3.0	3.3	3.3	2.4	2.7	3.3	2.4	2.7	3.7	3.0	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: P245832

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	621.6	621.6	621.3	620.7	619.4	619.4	619.1	618.2	617.6	617.3	617.3
5°	618.5	617.3	616.1	612.7	612.7	612.1	610.3	609.1	608.5	607.0	606.4
7.5°	615.8	612.1	610.0	607.9	605.2	603.9	601.8	600.9	598.8	597.3	596.3
10°	609.1	606.7	603.9	600.6	598.5	596.0	593.6	591.8	589.1	587.5	586.3
12.5°	604.5	600.9	598.5	594.8	591.2	589.1	585.7	583.6	580.9	577.8	576.0
15°	600.3	596.3	593.0	589.1	585.1	582.7	578.7	576.3	572.3	569.3	567.2
17.5°	593.9	590.6	586.9	582.1	578.4	575.4	571.1	568.1	564.4	560.5	558.4
20°	587.2	583.3	579.6	574.8	571.1	567.5	563.2	559.9	555.6	552.0	549.6
22.5°	578.4	573.9	570.8	566.0	561.7	557.8	553.8	549.9	545.9	542.9	540.1
25°	565.7	560.8	557.5	553.5	549.6	546.5	541.7	539.2	535.3	532.5	529.8
27.5°	547.4	543.8	540.7	536.8	533.5	531.0	527.4	525.0	521.6	519.2	517.1
30°	520.7	517.7	514.9	511.0	508.6	506.4	503.1	500.9	498.5	495.8	495.2
32.5°	484.9	482.4	479.7	477.0	475.1	473.9	471.2	470.0	467.5	466.0	464.5
35°	430.8	428.6	427.1	425.9	425.3	425.6	425.0	426.2	426.8	426.5	426.8
37.5°	360.0	358.8	359.4	360.3	363.3	367.3	370.9	376.4	380.0	383.7	387.0
40°	281.0	281.9	284.3	289.8	297.7	306.5	314.7	325.1	335.4	342.7	349.4
42.5°	212.0	214.8	220.9	228.8	240.6	253.7	266.4	281.6	294.1	306.2	314.7
45°	159.5	163.1	171.0	182.0	195.0	210.2	226.3	243.3	258.2	270.7	280.1
47.5°	124.3	127.6	135.5	147.0	163.1	178.9	195.6	213.3	228.8	240.9	249.1
50°	98.1	102.4	109.4	121.5	137.6	154.3	171.6	189.0	203.5	213.9	221.2
52.5°	77.2	81.1	87.8	100.6	117.0	133.7	149.8	166.8	179.5	189.6	194.4
55°	59.8	63.5	70.5	81.1	96.6	113.0	129.1	143.7	155.5	162.8	167.4
57.5°	45.6	48.3	53.2	63.8	77.8	93.0	106.6	121.2	130.3	135.5	138.5
60°	34.6	36.8	41.9	50.1	62.9	76.0	87.5	98.4	105.7	110.0	113.0
62.5°	26.1	28.6	32.2	39.2	48.9	59.5	69.3	77.5	83.5	86.3	88.4
65°	17.9	19.7	22.5	27.9	36.1	43.7	51.3	57.4	61.4	64.4	65.6
67.5°	13.4	14.6	16.1	20.4	26.1	32.2	37.4	41.6	45.9	47.1	49.2
70°	10.0	10.9	12.5	15.5	18.8	23.1	27.3	29.8	32.8	34.9	35.5
72.5°	6.4	6.7	8.2	10.0	12.8	15.5	18.2	20.4	22.2	23.4	24.0
75°	3.7	5.5	5.5	7.3	9.1	10.3	12.2	13.7	14.6	15.5	15.5
77.5°	2.4	3.3	3.7	4.6	5.5	7.0	8.5	9.4	10.3	10.6	10.6
80°	2.1	2.4	2.4	3.3	4.0	5.2	6.1	6.4	7.0	7.3	7.9
82.5°	0.9	1.2	1.5	2.4	2.7	2.7	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	2.7	2.7	3.0
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: P245832

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	616.7	617.0	615.8	615.5	614.9	615.2	615.8
5°	605.5	605.8	604.5	603.3	603.3	603.0	603.3
7.5°	594.8	595.1	593.3	592.7	591.5	591.8	591.8
10°	584.2	584.2	581.5	581.2	580.2	579.9	579.9
12.5°	573.9	572.9	570.8	569.6	570.2	568.4	568.4
15°	564.7	563.2	560.5	559.6	558.1	557.5	557.5
17.5°	555.3	554.1	551.7	549.9	548.0	547.7	548.0
20°	546.2	545.0	542.0	540.7	539.2	539.2	538.6
22.5°	537.1	535.9	533.2	532.2	530.1	530.1	530.4
25°	527.7	526.8	523.7	523.1	522.8	521.6	522.2
27.5°	514.9	514.3	511.9	511.0	509.8	509.5	510.1
30°	491.5	490.6	488.8	487.9	485.8	486.1	486.7
32.5°	462.4	461.2	458.7	457.8	456.0	455.4	455.7
35°	425.9	425.0	422.9	422.9	421.1	420.4	421.1
37.5°	388.9	389.8	388.9	389.8	388.9	388.5	388.9
40°	353.9	357.3	357.9	361.2	360.0	361.8	361.5
42.5°	320.5	326.0	328.1	330.8	330.2	331.4	332.4
45°	286.8	291.3	293.5	295.3	295.6	296.2	296.5
47.5°	254.9	258.5	258.8	261.0	260.7	260.7	261.6
50°	225.1	227.5	228.1	229.7	228.5	227.8	228.1
52.5°	197.5	199.9	199.3	199.9	198.4	197.8	198.1
55°	169.2	170.4	170.4	170.4	168.6	168.6	168.6
57.5°	140.3	140.7	140.0	140.3	140.0	138.2	137.9
60°	113.9	113.9	113.6	113.9	113.0	112.1	112.1
62.5°	89.0	89.6	90.8	89.6	89.0	89.6	88.7
65°	66.5	67.7	67.4	68.0	67.7	67.7	67.1
67.5°	50.1	50.4	50.7	51.0	51.0	51.0	51.0
70°	36.8	37.7	37.4	37.4	37.4	37.4	39.2
72.5°	24.6	25.8	25.5	26.1	26.1	26.7	26.1
75°	16.7	17.9	17.3	18.2	17.9	17.3	18.8
77.5°	11.2	11.9	12.2	12.5	12.2	11.9	12.2
80°	7.9	8.5	8.2	8.5	8.5	8.5	8.8
82.5°	4.9	5.8	5.5	5.8	5.5	5.8	5.8
85°	3.3	3.7	3.0	3.7	3.3	3.3	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)