

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: P244542

Luminaire Tested: **LD8B10D010 ER8B10850 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244542
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 ER8B10850 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1155.0 lumens
Efficiency: N/A
Efficacy: 113.2 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

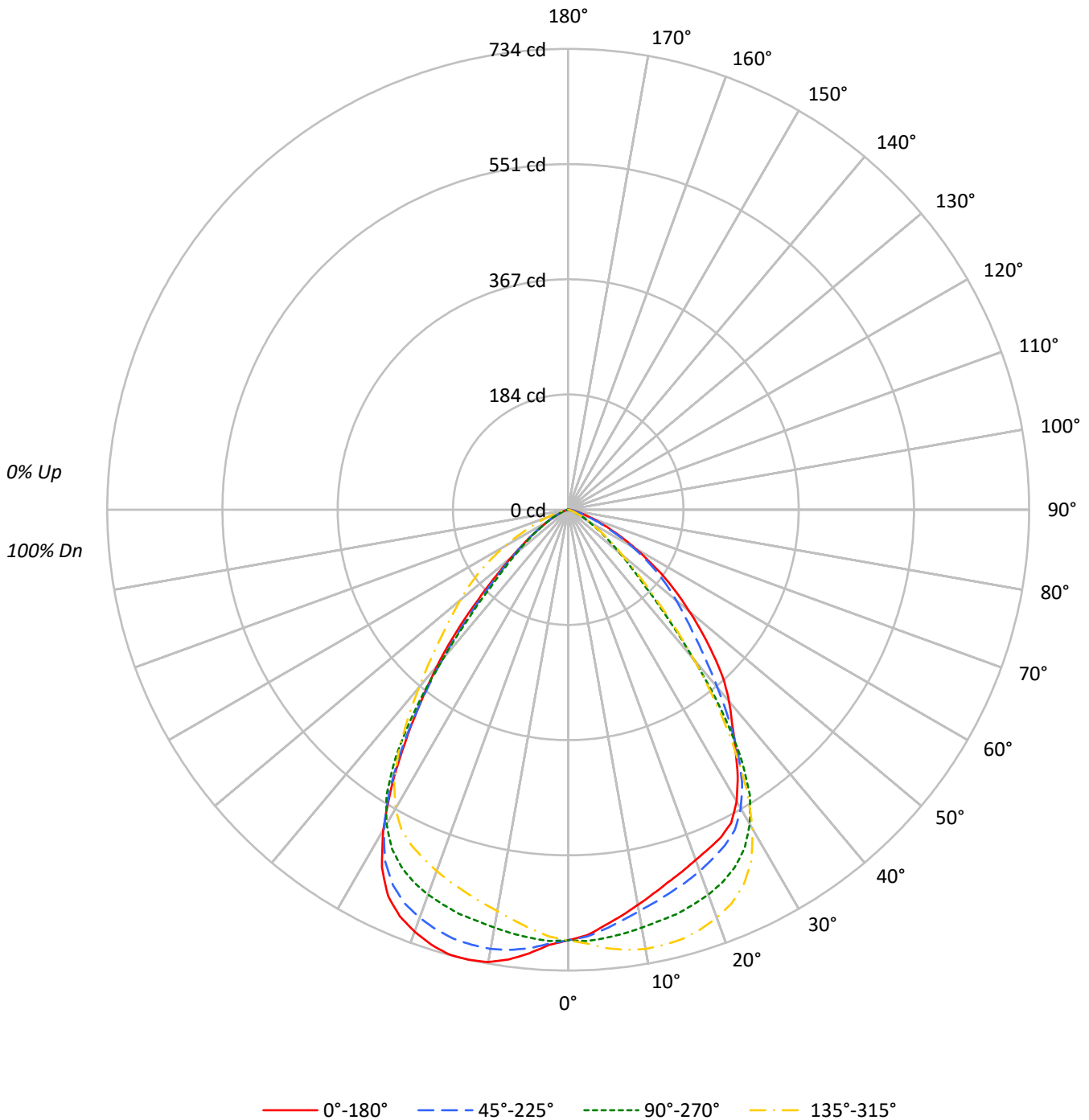
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21144	21144	21144	21144
5°	20581	21194	21950	21194
10°	20012	21167	22908	21167
15°	19614	21290	23407	21290
20°	19479	21412	23470	21412
25°	19581	21371	23092	21371
30°	19099	20588	20958	20588
35°	17467	17960	17042	17960
40°	16037	12495	13046	12495
45°	14251	7623	8818	7623
50°	12060	5090	5656	5090
55°	9989	3473	3672	3473
60°	7617	2313	2331	2313
65°	5399	1437	1321	1437
70°	3895	965	875	965
75°	2478	477	393	477
80°	1723	355	302	355
85°	1557	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	5.7
10°-20°	189.0	16.4
20°-30°	286.2	24.8
30°-40°	286.8	24.8
40°-50°	180.1	15.6
50°-60°	96.0	8.3
60°-70°	39.5	3.4
70°-80°	10.4	0.9
80°-90°	1.8	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°	540.4	46.8
0°-40°	827.3	71.6
0°-60°	1103.3	95.5
0°-90°	1155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	686	686	686	686	686	
5°	665	685	709	685	665	63
15°	614	667	733	667	614	174
25°	576	628	679	628	576	264
35°	464	477	453	477	464	291
45°	327	175	202	175	327	251
55°	186	65	68	65	186	166
65°	74	20	18	20	74	77
75°	21	4	3	4	21	24
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°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	678.7	678.0	677.7	678.3	678.7	680.0	679.7	680.3	680.3	680.7	681.3
5°	664.9	664.6	664.9	664.9	666.3	667.6	667.3	668.3	668.9	670.6	671.3
7.5°	652.2	652.2	651.9	653.2	653.9	655.9	655.5	657.2	658.2	659.9	662.2
10°	639.1	639.1	639.5	640.5	640.8	643.8	643.8	646.2	647.5	649.2	652.2
12.5°	626.4	626.4	628.4	627.8	629.1	631.4	632.5	634.8	636.8	640.2	643.2
15°	614.4	614.4	615.0	616.7	617.7	620.7	622.4	625.1	627.4	630.8	635.1
17.5°	604.0	603.7	604.0	606.0	608.0	610.7	612.0	615.4	617.7	622.1	626.1
20°	593.6	594.3	594.3	596.0	597.3	600.6	602.0	605.7	608.3	612.4	617.1
22.5°	584.6	584.2	584.2	586.6	587.6	590.6	591.9	595.3	598.3	601.7	606.0
25°	575.5	574.9	576.2	576.5	577.2	580.6	581.6	583.9	586.9	589.9	594.3
27.5°	562.1	561.5	561.8	563.1	564.2	566.8	567.5	569.8	572.2	574.9	578.6
30°	536.4	535.7	535.4	537.7	538.7	540.7	541.7	545.7	546.4	549.4	552.1
32.5°	502.2	501.9	502.6	504.5	505.6	508.2	509.6	511.9	513.6	515.3	517.9
35°	464.0	463.4	464.0	466.1	466.1	468.4	469.4	470.4	470.1	470.4	469.7
37.5°	428.6	428.2	428.6	429.6	428.6	429.6	428.6	426.5	422.9	418.8	414.8
40°	398.4	398.8	396.8	398.1	394.4	393.7	390.1	385.0	377.7	369.6	358.3
42.5°	366.3	365.3	363.9	364.6	361.6	359.2	353.2	346.9	337.5	324.1	310.4
45°	326.8	326.4	325.8	325.4	323.4	321.1	316.1	308.7	298.3	284.6	268.2
47.5°	288.3	287.3	287.3	287.6	285.3	284.9	280.9	274.5	265.5	252.1	235.0
50°	251.4	251.1	251.8	253.1	251.4	250.8	248.1	243.7	235.7	224.3	208.2
52.5°	218.3	218.0	218.6	220.3	219.6	220.3	217.6	214.3	208.9	197.9	183.8
55°	185.8	185.8	185.8	187.8	187.8	187.8	186.5	184.5	179.5	171.4	158.4
57.5°	152.0	152.3	154.3	154.7	154.3	155.0	154.7	152.7	149.3	143.6	133.6
60°	123.5	123.5	124.6	125.6	125.2	125.6	125.6	124.6	121.2	116.5	108.5
62.5°	97.8	98.8	98.1	98.8	100.1	98.8	98.1	97.4	95.1	92.1	85.4
65°	74.0	74.7	74.7	75.0	74.3	74.7	73.3	72.3	71.0	67.6	63.3
67.5°	56.3	56.3	56.3	56.3	55.9	55.6	55.2	54.2	51.9	50.6	45.9
70°	43.2	41.2	41.2	41.2	41.2	41.5	40.5	39.2	38.5	36.2	32.8
72.5°	28.8	29.5	28.8	28.8	28.1	28.5	27.1	26.4	25.8	24.4	22.4
75°	20.8	19.1	19.7	20.1	19.1	19.7	18.4	17.1	17.1	16.1	15.1
77.5°	13.4	13.1	13.4	13.7	13.4	13.1	12.4	11.7	11.7	11.4	10.4
80°	9.7	9.4	9.4	9.4	9.0	9.4	8.7	8.7	8.0	7.7	7.0
82.5°	6.4	6.4	6.0	6.4	6.0	6.4	5.4	5.4	5.4	5.0	4.4
85°	4.4	3.7	3.7	4.0	3.3	4.0	3.7	3.3	3.0	3.0	2.7
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°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	682.3	682.7	682.7	684.0	684.7	685.0	685.0	687.7	686.7	687.4	688.0
5°	672.6	674.6	675.3	675.3	679.0	680.3	681.7	684.7	685.0	687.0	689.4
7.5°	663.3	665.6	666.9	669.9	672.3	674.6	678.7	680.7	682.7	685.4	688.4
10°	654.2	656.9	659.6	661.9	665.6	668.6	671.3	676.0	678.3	682.0	686.0
12.5°	645.5	649.2	651.5	655.5	659.6	662.2	666.3	670.6	674.3	678.0	682.7
15°	637.8	642.2	644.8	649.2	653.5	657.2	661.6	666.9	669.6	674.0	678.3
17.5°	629.4	634.1	637.5	641.5	646.9	650.9	654.6	659.9	663.3	667.9	673.0
20°	620.7	625.4	629.4	633.5	638.8	642.8	647.2	652.5	656.2	660.9	664.9
22.5°	610.4	614.7	619.1	623.7	629.1	632.5	637.5	642.2	646.2	650.5	654.6
25°	597.0	602.3	605.7	610.0	614.4	618.0	623.4	628.1	631.4	635.5	639.1
27.5°	581.2	585.3	587.9	591.6	596.0	599.3	603.3	608.0	611.4	615.0	617.7
30°	554.4	558.1	560.5	563.1	567.5	570.5	573.9	578.2	580.6	583.2	585.6
32.5°	519.3	522.3	523.6	525.6	528.7	531.7	534.4	538.0	539.0	540.7	540.7
35°	468.4	469.1	468.7	469.4	470.7	472.4	474.8	477.1	478.4	478.4	477.4
37.5°	408.8	404.8	400.4	397.1	396.1	395.4	396.8	397.7	399.1	399.8	398.1
40°	346.9	337.8	328.1	319.4	313.4	310.7	309.7	310.4	310.4	312.7	312.7
42.5°	293.6	279.6	265.2	252.1	243.4	236.7	233.7	233.7	234.0	235.7	236.7
45°	249.4	231.7	214.9	200.6	188.5	179.8	175.8	174.8	174.4	175.1	177.4
47.5°	215.6	197.2	179.8	162.1	149.3	140.6	136.9	135.6	134.3	135.6	135.9
50°	189.2	170.1	151.7	133.9	120.5	112.8	108.1	106.1	105.8	105.8	106.5
52.5°	165.1	147.3	128.9	110.8	96.8	89.4	85.0	84.0	82.7	84.0	84.0
55°	142.3	124.6	106.5	89.4	77.7	70.0	66.0	64.6	63.9	64.9	64.9
57.5°	117.5	102.4	85.7	70.3	58.6	53.2	50.2	48.6	48.2	48.9	48.2
60°	96.4	83.7	69.3	55.2	46.2	40.5	38.2	37.5	36.8	37.5	37.5
62.5°	76.3	65.6	53.9	43.2	35.5	31.5	28.8	28.8	28.5	28.5	28.8
65°	56.6	48.2	39.8	30.8	24.8	21.8	19.7	19.7	19.4	19.7	19.4
67.5°	41.2	35.5	28.8	22.4	17.7	16.1	14.7	13.7	14.4	13.7	13.4
70°	30.1	25.4	20.8	17.1	13.7	12.1	11.1	10.7	10.0	10.0	10.0
72.5°	20.1	17.1	14.1	11.1	9.0	7.4	7.0	6.4	5.7	6.0	6.7
75°	13.4	11.4	10.0	8.0	6.0	6.0	4.0	4.0	3.3	4.0	3.0
77.5°	9.4	7.7	6.0	5.0	4.0	3.7	2.7	2.7	2.3	2.3	2.3
80°	6.7	5.7	4.4	3.7	2.7	2.7	2.3	2.0	1.7	1.7	2.0
82.5°	4.0	3.0	3.0	2.7	1.7	1.3	1.0	1.3	0.7	0.7	0.7
85°	2.3	2.0	1.7	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°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	689.7	689.4	690.0	690.0	692.1	691.7	692.7	692.7	692.1	692.4	693.7
5°	692.1	693.1	695.1	696.7	699.7	701.1	702.8	704.4	704.8	705.8	706.8
7.5°	692.1	695.4	697.7	700.7	704.8	707.1	710.8	713.8	715.2	716.8	718.8
10°	690.7	694.1	698.4	701.8	706.8	710.5	714.1	718.8	720.8	723.5	726.2
12.5°	688.0	691.7	696.4	700.7	706.4	709.8	714.5	718.8	721.8	725.5	728.5
15°	684.0	688.4	692.7	697.1	703.1	707.1	711.5	716.5	719.5	723.5	726.2
17.5°	677.7	682.3	686.4	690.4	696.1	700.7	704.8	709.5	712.5	715.8	719.5
20°	669.9	674.3	678.7	682.0	687.7	691.7	696.1	700.4	702.8	703.4	709.1
22.5°	660.2	663.3	666.6	672.0	675.3	679.0	683.0	687.0	689.4	693.1	695.1
25°	644.2	647.2	650.9	653.2	657.2	660.2	664.3	668.6	669.9	672.6	674.6
27.5°	621.7	623.4	625.1	627.1	629.4	631.1	633.5	635.5	636.8	638.1	639.5
30°	586.2	586.2	586.2	584.9	585.9	586.9	587.2	586.9	586.9	586.6	586.6
32.5°	539.4	536.7	533.7	531.0	530.0	528.7	528.0	527.0	525.3	524.3	524.6
35°	476.1	470.1	466.4	463.0	460.4	458.4	457.3	456.3	456.0	454.7	453.3
37.5°	397.1	392.7	390.1	388.0	385.7	383.7	384.0	384.4	385.4	384.7	385.0
40°	313.4	312.4	313.4	311.0	310.4	311.0	312.7	315.1	316.4	317.7	320.1
42.5°	238.4	240.1	242.4	242.4	243.4	244.8	246.7	250.4	252.4	254.8	257.5
45°	179.5	181.5	184.5	185.5	186.2	187.8	190.2	193.2	194.5	196.5	198.9
47.5°	138.3	139.6	141.3	143.0	144.6	145.3	147.6	147.6	149.3	150.7	151.3
50°	107.8	109.1	110.5	111.5	112.2	113.2	113.8	114.8	115.2	115.8	116.2
52.5°	84.4	86.0	86.0	86.7	87.7	88.7	88.4	88.7	89.1	89.1	90.1
55°	66.0	66.0	67.0	67.0	67.6	67.3	67.6	67.6	67.6	67.6	68.0
57.5°	49.2	49.6	50.6	49.9	49.6	50.2	49.6	50.2	49.9	50.6	49.6
60°	37.8	37.8	38.2	38.2	38.5	38.5	38.5	38.2	38.2	37.8	37.8
62.5°	28.5	28.8	29.1	28.8	28.8	28.8	28.5	28.5	28.1	27.8	27.8
65°	19.1	18.8	19.4	18.8	19.1	19.1	18.8	19.1	18.1	18.4	18.1
67.5°	13.7	13.4	13.1	13.4	13.1	12.7	12.7	13.1	13.4	12.4	12.4
70°	9.0	9.4	9.0	9.4	9.7	9.7	9.4	9.0	9.4	8.7	9.0
72.5°	5.7	5.7	5.7	5.7	5.7	6.0	6.0	6.0	5.4	5.4	5.0
75°	2.7	3.7	3.0	2.7	3.7	3.7	3.3	3.3	3.0	3.0	3.0
77.5°	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7	2.0	1.7
80°	1.3	1.3	1.3	1.0	1.3	1.3	1.7	1.3	1.3	1.0	1.7
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°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	693.4	693.1	693.4	693.7	693.4	693.1	693.4	693.7	692.4	692.1	692.7
5°	708.1	708.1	708.8	709.1	708.8	708.1	708.1	706.8	705.8	704.8	704.4
7.5°	720.8	721.5	722.2	722.5	722.2	721.5	720.8	718.8	716.8	715.2	713.8
10°	728.5	729.6	730.9	731.6	730.9	729.6	728.5	726.2	723.5	720.8	718.8
12.5°	731.9	732.9	734.6	734.2	734.6	732.9	731.9	728.5	725.5	721.8	718.8
15°	729.6	730.9	732.6	733.2	732.6	730.9	729.6	726.2	723.5	719.5	716.5
17.5°	722.2	724.2	725.2	726.2	725.2	724.2	722.2	719.5	715.8	712.5	709.5
20°	712.1	713.5	714.8	715.2	714.8	713.5	712.1	709.1	703.4	702.8	700.4
22.5°	697.7	698.8	701.8	700.7	701.8	698.8	697.7	695.1	693.1	689.4	687.0
25°	677.0	678.0	678.3	678.7	678.3	678.0	677.0	674.6	672.6	669.9	668.6
27.5°	641.2	641.2	641.8	642.2	641.8	641.2	641.2	639.5	638.1	636.8	635.5
30°	586.9	586.9	586.9	588.6	586.9	586.9	586.9	586.6	586.6	586.9	586.9
32.5°	524.3	523.6	523.0	523.6	523.0	523.6	524.3	524.6	524.3	525.3	527.0
35°	453.3	453.0	454.0	452.7	454.0	453.0	453.3	453.3	454.7	456.0	456.3
37.5°	385.4	384.7	386.0	384.7	386.0	384.7	385.4	385.0	384.7	385.4	384.4
40°	320.8	321.4	321.4	324.1	321.4	321.4	320.8	320.1	317.7	316.4	315.1
42.5°	258.8	260.8	260.1	262.2	260.1	260.8	258.8	257.5	254.8	252.4	250.4
45°	200.2	201.6	201.6	202.2	201.6	201.6	200.2	198.9	196.5	194.5	193.2
47.5°	153.7	153.7	153.7	154.0	153.7	153.7	153.7	151.3	150.7	149.3	147.6
50°	116.8	117.2	117.5	117.9	117.5	117.2	116.8	116.2	115.8	115.2	114.8
52.5°	89.7	90.1	89.4	90.1	89.4	90.1	89.7	90.1	89.1	89.1	88.7
55°	68.0	67.6	68.0	68.3	68.0	67.6	68.0	68.0	67.6	67.6	67.6
57.5°	49.9	49.2	49.2	49.2	49.2	49.2	49.9	49.6	50.6	49.9	50.2
60°	37.2	37.5	37.5	37.8	37.5	37.5	37.2	37.8	37.8	38.2	38.2
62.5°	27.5	28.5	27.8	28.5	27.8	28.5	27.5	27.8	27.8	28.1	28.5
65°	17.7	17.7	17.7	18.1	17.7	17.7	17.7	18.1	18.4	18.1	19.1
67.5°	12.1	12.4	13.1	12.7	13.1	12.4	12.1	12.4	12.4	13.4	13.1
70°	9.7	8.7	8.7	9.7	8.7	8.7	9.7	9.0	8.7	9.4	9.0
72.5°	5.7	5.0	5.7	5.7	5.7	5.0	5.7	5.0	5.4	5.4	6.0
75°	3.0	2.7	2.3	3.3	2.3	2.7	3.0	3.0	3.0	3.0	3.3
77.5°	2.0	1.7	2.3	2.3	2.3	1.7	2.0	1.7	2.0	1.7	2.0
80°	1.0	1.3	1.0	1.7	1.0	1.3	1.0	1.7	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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	692.7	691.7	692.1	690.0	690.0	689.4	689.7	688.0	687.4	686.7	687.7
5°	702.8	701.1	699.7	696.7	695.1	693.1	692.1	689.4	687.0	685.0	684.7
7.5°	710.8	707.1	704.8	700.7	697.7	695.4	692.1	688.4	685.4	682.7	680.7
10°	714.1	710.5	706.8	701.8	698.4	694.1	690.7	686.0	682.0	678.3	676.0
12.5°	714.5	709.8	706.4	700.7	696.4	691.7	688.0	682.7	678.0	674.3	670.6
15°	711.5	707.1	703.1	697.1	692.7	688.4	684.0	678.3	674.0	669.6	666.9
17.5°	704.8	700.7	696.1	690.4	686.4	682.3	677.7	673.0	667.9	663.3	659.9
20°	696.1	691.7	687.7	682.0	678.7	674.3	669.9	664.9	660.9	656.2	652.5
22.5°	683.0	679.0	675.3	672.0	666.6	663.3	660.2	654.6	650.5	646.2	642.2
25°	664.3	660.2	657.2	653.2	650.9	647.2	644.2	639.1	635.5	631.4	628.1
27.5°	633.5	631.1	629.4	627.1	625.1	623.4	621.7	617.7	615.0	611.4	608.0
30°	587.2	586.9	585.9	584.9	586.2	586.2	586.2	585.6	583.2	580.6	578.2
32.5°	528.0	528.7	530.0	531.0	533.7	536.7	539.4	540.7	540.7	539.0	538.0
35°	457.3	458.4	460.4	463.0	466.4	470.1	476.1	477.4	478.4	478.4	477.1
37.5°	384.0	383.7	385.7	388.0	390.1	392.7	397.1	398.1	399.8	399.1	397.7
40°	312.7	311.0	310.4	311.0	313.4	312.4	313.4	312.7	312.7	310.4	310.4
42.5°	246.7	244.8	243.4	242.4	242.4	240.1	238.4	236.7	235.7	234.0	233.7
45°	190.2	187.8	186.2	185.5	184.5	181.5	179.5	177.4	175.1	174.4	174.8
47.5°	147.6	145.3	144.6	143.0	141.3	139.6	138.3	135.9	135.6	134.3	135.6
50°	113.8	113.2	112.2	111.5	110.5	109.1	107.8	106.5	105.8	105.8	106.1
52.5°	88.4	88.7	87.7	86.7	86.0	86.0	84.4	84.0	84.0	82.7	84.0
55°	67.6	67.3	67.6	67.0	67.0	66.0	66.0	64.9	64.9	63.9	64.6
57.5°	49.6	50.2	49.6	49.9	50.6	49.6	49.2	48.2	48.9	48.2	48.6
60°	38.5	38.5	38.5	38.2	38.2	37.8	37.8	37.5	37.5	36.8	37.5
62.5°	28.5	28.8	28.8	28.8	29.1	28.8	28.5	28.8	28.5	28.5	28.8
65°	18.8	19.1	19.1	18.8	19.4	18.8	19.1	19.4	19.7	19.4	19.7
67.5°	12.7	12.7	13.1	13.4	13.1	13.4	13.7	13.4	13.7	14.4	13.7
70°	9.4	9.7	9.7	9.4	9.0	9.4	9.0	10.0	10.0	10.0	10.7
72.5°	6.0	6.0	5.7	5.7	5.7	5.7	5.7	6.7	6.0	5.7	6.4
75°	3.3	3.7	3.7	2.7	3.0	3.7	2.7	3.0	4.0	3.3	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.3	2.3	2.3	2.7
80°	1.7	1.3	1.3	1.0	1.3	1.3	1.3	2.0	1.7	1.7	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: P244542

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	685.0	685.0	684.7	684.0	682.7	682.7	682.3	681.3	680.7	680.3	680.3
5°	681.7	680.3	679.0	675.3	675.3	674.6	672.6	671.3	670.6	668.9	668.3
7.5°	678.7	674.6	672.3	669.9	666.9	665.6	663.3	662.2	659.9	658.2	657.2
10°	671.3	668.6	665.6	661.9	659.6	656.9	654.2	652.2	649.2	647.5	646.2
12.5°	666.3	662.2	659.6	655.5	651.5	649.2	645.5	643.2	640.2	636.8	634.8
15°	661.6	657.2	653.5	649.2	644.8	642.2	637.8	635.1	630.8	627.4	625.1
17.5°	654.6	650.9	646.9	641.5	637.5	634.1	629.4	626.1	622.1	617.7	615.4
20°	647.2	642.8	638.8	633.5	629.4	625.4	620.7	617.1	612.4	608.3	605.7
22.5°	637.5	632.5	629.1	623.7	619.1	614.7	610.4	606.0	601.7	598.3	595.3
25°	623.4	618.0	614.4	610.0	605.7	602.3	597.0	594.3	589.9	586.9	583.9
27.5°	603.3	599.3	596.0	591.6	587.9	585.3	581.2	578.6	574.9	572.2	569.8
30°	573.9	570.5	567.5	563.1	560.5	558.1	554.4	552.1	549.4	546.4	545.7
32.5°	534.4	531.7	528.7	525.6	523.6	522.3	519.3	517.9	515.3	513.6	511.9
35°	474.8	472.4	470.7	469.4	468.7	469.1	468.4	469.7	470.4	470.1	470.4
37.5°	396.8	395.4	396.1	397.1	400.4	404.8	408.8	414.8	418.8	422.9	426.5
40°	309.7	310.7	313.4	319.4	328.1	337.8	346.9	358.3	369.6	377.7	385.0
42.5°	233.7	236.7	243.4	252.1	265.2	279.6	293.6	310.4	324.1	337.5	346.9
45°	175.8	179.8	188.5	200.6	214.9	231.7	249.4	268.2	284.6	298.3	308.7
47.5°	136.9	140.6	149.3	162.1	179.8	197.2	215.6	235.0	252.1	265.5	274.5
50°	108.1	112.8	120.5	133.9	151.7	170.1	189.2	208.2	224.3	235.7	243.7
52.5°	85.0	89.4	96.8	110.8	128.9	147.3	165.1	183.8	197.9	208.9	214.3
55°	66.0	70.0	77.7	89.4	106.5	124.6	142.3	158.4	171.4	179.5	184.5
57.5°	50.2	53.2	58.6	70.3	85.7	102.4	117.5	133.6	143.6	149.3	152.7
60°	38.2	40.5	46.2	55.2	69.3	83.7	96.4	108.5	116.5	121.2	124.6
62.5°	28.8	31.5	35.5	43.2	53.9	65.6	76.3	85.4	92.1	95.1	97.4
65°	19.7	21.8	24.8	30.8	39.8	48.2	56.6	63.3	67.6	71.0	72.3
67.5°	14.7	16.1	17.7	22.4	28.8	35.5	41.2	45.9	50.6	51.9	54.2
70°	11.1	12.1	13.7	17.1	20.8	25.4	30.1	32.8	36.2	38.5	39.2
72.5°	7.0	7.4	9.0	11.1	14.1	17.1	20.1	22.4	24.4	25.8	26.4
75°	4.0	6.0	6.0	8.0	10.0	11.4	13.4	15.1	16.1	17.1	17.1
77.5°	2.7	3.7	4.0	5.0	6.0	7.7	9.4	10.4	11.4	11.7	11.7
80°	2.3	2.7	2.7	3.7	4.4	5.7	6.7	7.0	7.7	8.0	8.7
82.5°	1.0	1.3	1.7	2.7	3.0	3.0	4.0	4.4	5.0	5.4	5.4
85°	0.3	0.7	0.7	1.0	1.7	2.0	2.3	2.7	3.0	3.0	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: P244542

CATALOG NUMBER: LD8B10D010 ER8B10850 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	685.7	685.7	685.7	685.7	685.7	685.7	685.7
2.5°	679.7	680.0	678.7	678.3	677.7	678.0	678.7
5°	667.3	667.6	666.3	664.9	664.9	664.6	664.9
7.5°	655.5	655.9	653.9	653.2	651.9	652.2	652.2
10°	643.8	643.8	640.8	640.5	639.5	639.1	639.1
12.5°	632.5	631.4	629.1	627.8	628.4	626.4	626.4
15°	622.4	620.7	617.7	616.7	615.0	614.4	614.4
17.5°	612.0	610.7	608.0	606.0	604.0	603.7	604.0
20°	602.0	600.6	597.3	596.0	594.3	594.3	593.6
22.5°	591.9	590.6	587.6	586.6	584.2	584.2	584.6
25°	581.6	580.6	577.2	576.5	576.2	574.9	575.5
27.5°	567.5	566.8	564.2	563.1	561.8	561.5	562.1
30°	541.7	540.7	538.7	537.7	535.4	535.7	536.4
32.5°	509.6	508.2	505.6	504.5	502.6	501.9	502.2
35°	469.4	468.4	466.1	466.1	464.0	463.4	464.0
37.5°	428.6	429.6	428.6	429.6	428.6	428.2	428.6
40°	390.1	393.7	394.4	398.1	396.8	398.8	398.4
42.5°	353.2	359.2	361.6	364.6	363.9	365.3	366.3
45°	316.1	321.1	323.4	325.4	325.8	326.4	326.8
47.5°	280.9	284.9	285.3	287.6	287.3	287.3	288.3
50°	248.1	250.8	251.4	253.1	251.8	251.1	251.4
52.5°	217.6	220.3	219.6	220.3	218.6	218.0	218.3
55°	186.5	187.8	187.8	187.8	185.8	185.8	185.8
57.5°	154.7	155.0	154.3	154.7	154.3	152.3	152.0
60°	125.6	125.6	125.2	125.6	124.6	123.5	123.5
62.5°	98.1	98.8	100.1	98.8	98.1	98.8	97.8
65°	73.3	74.7	74.3	75.0	74.7	74.7	74.0
67.5°	55.2	55.6	55.9	56.3	56.3	56.3	56.3
70°	40.5	41.5	41.2	41.2	41.2	41.2	43.2
72.5°	27.1	28.5	28.1	28.8	28.8	29.5	28.8
75°	18.4	19.7	19.1	20.1	19.7	19.1	20.8
77.5°	12.4	13.1	13.4	13.7	13.4	13.1	13.4
80°	8.7	9.4	9.0	9.4	9.4	9.4	9.7
82.5°	5.4	6.4	6.0	6.4	6.0	6.4	6.4
85°	3.7	4.0	3.3	4.0	3.7	3.7	4.4
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)