

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: P244536

Luminaire Tested: **LD8B10D010 ER8B10840 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244536
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1133.0 lumens
Efficiency: N/A
Efficacy: 111.1 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

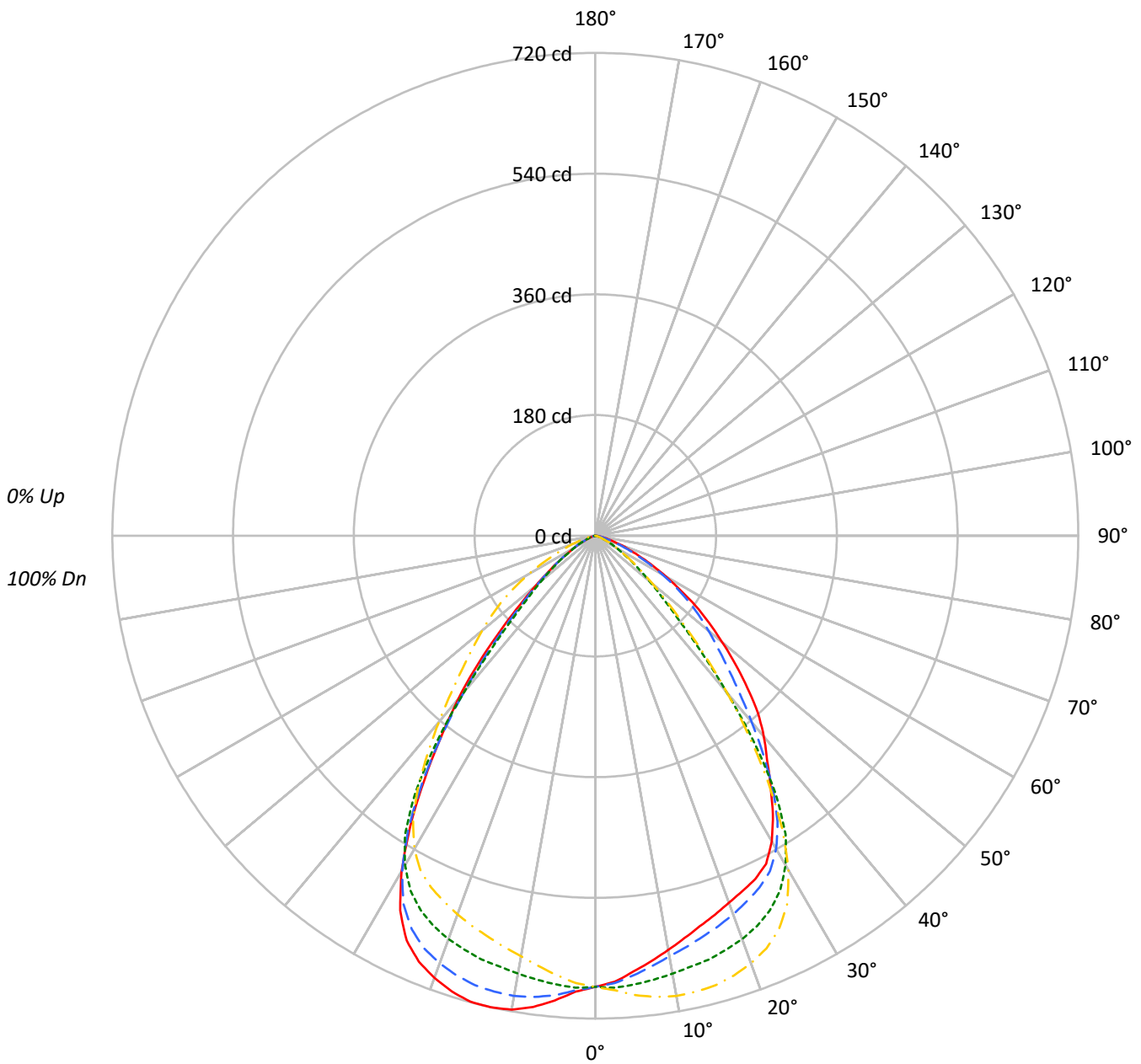
Input Watts (W): 10.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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°	20741	20741	20741	20741
5°	20191	20789	21532	20789
10°	19633	20763	22470	20763
15°	19241	20885	22963	20885
20°	19108	21005	23020	21005
25°	19210	20962	22650	20962
30°	18733	20196	20559	20196
35°	17136	17617	16714	17617
40°	15731	12257	12797	12257
45°	13981	7475	8652	7475
50°	11830	4994	5546	4994
55°	9801	3408	3602	3408
60°	7475	2270	2288	2270
65°	5297	1416	1291	1416
70°	3823	947	857	947
75°	2431	465	393	465
80°	1687	355	284	355
85°	1521	0	106	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	5.7
10°-20°	185.4	16.4
20°-30°	280.7	24.8
30°-40°	281.4	24.8
40°-50°	176.7	15.6
50°-60°	94.1	8.3
60°-70°	38.7	3.4
70°-80°	10.2	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°	530.1	46.8
0°-40°	811.5	71.6
0°-60°	1082.3	95.5
0°-90°	1133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	673	673	673	673	673	
5°	652	672	696	672	652	62
15°	603	654	719	654	603	170
25°	565	616	666	616	565	259
35°	455	468	444	468	455	285
45°	321	171	198	171	321	247
55°	182	63	67	63	182	163
65°	73	19	18	19	73	75
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°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	665.7	665.1	664.7	665.4	665.7	667.0	666.7	667.4	667.4	667.7	668.4
5°	652.3	651.9	652.3	652.3	653.6	654.9	654.6	655.6	656.2	657.9	658.5
7.5°	639.8	639.8	639.5	640.8	641.4	643.4	643.1	644.7	645.7	647.3	649.6
10°	627.0	627.0	627.3	628.3	628.6	631.6	631.6	633.9	635.2	636.8	639.8
12.5°	614.5	614.5	616.5	615.8	617.1	619.4	620.4	622.7	624.7	628.0	630.9
15°	602.7	602.7	603.3	605.0	606.0	608.9	610.5	613.2	615.5	618.8	623.0
17.5°	592.5	592.2	592.5	594.5	596.4	599.1	600.4	603.7	606.0	610.2	614.2
20°	582.3	583.0	583.0	584.6	585.9	589.2	590.5	594.1	596.8	600.7	605.3
22.5°	573.4	573.1	573.1	575.4	576.4	579.3	580.7	583.9	586.9	590.2	594.5
25°	564.6	563.9	565.2	565.6	566.2	569.5	570.5	572.8	575.7	578.7	583.0
27.5°	551.4	550.8	551.1	552.4	553.4	556.0	556.7	559.0	561.3	563.9	567.5
30°	526.1	525.5	525.2	527.5	528.5	530.4	531.4	535.3	536.0	539.0	541.6
32.5°	492.6	492.3	493.0	494.9	495.9	498.6	499.9	502.2	503.8	505.5	508.1
35°	455.2	454.5	455.2	457.2	457.2	459.5	460.5	461.4	461.1	461.4	460.8
37.5°	420.4	420.1	420.4	421.4	420.4	421.4	420.4	418.4	414.8	410.9	406.9
40°	390.8	391.2	389.2	390.5	386.9	386.2	382.6	377.7	370.5	362.6	351.4
42.5°	359.3	358.3	357.0	357.7	354.7	352.4	346.5	340.3	331.1	317.9	304.5
45°	320.6	320.2	319.6	319.2	317.3	315.0	310.0	302.8	292.6	279.2	263.1
47.5°	282.8	281.8	281.8	282.1	279.8	279.5	275.5	269.3	260.4	247.3	230.6
50°	246.6	246.3	247.0	248.3	246.6	246.0	243.4	239.1	231.2	220.1	204.3
52.5°	214.1	213.8	214.5	216.1	215.4	216.1	213.5	210.2	204.9	194.1	180.3
55°	182.3	182.3	182.3	184.2	184.2	184.2	182.9	181.0	176.0	168.2	155.4
57.5°	149.1	149.4	151.4	151.7	151.4	152.1	151.7	149.8	146.5	140.9	131.0
60°	121.2	121.2	122.2	123.2	122.8	123.2	123.2	122.2	118.9	114.3	106.4
62.5°	95.9	96.9	96.2	96.9	98.2	96.9	96.2	95.6	93.3	90.3	83.7
65°	72.6	73.2	73.2	73.6	72.9	73.2	71.9	70.9	69.6	66.3	62.1
67.5°	55.2	55.2	55.2	55.2	54.8	54.5	54.2	53.2	50.9	49.6	45.0
70°	42.4	40.4	40.4	40.4	40.4	40.7	39.7	38.4	37.8	35.5	32.2
72.5°	28.2	28.9	28.2	28.2	27.6	27.9	26.6	25.9	25.3	24.0	22.0
75°	20.4	18.7	19.4	19.7	18.7	19.4	18.1	16.7	16.7	15.8	14.8
77.5°	13.1	12.8	13.1	13.5	13.1	12.8	12.2	11.5	11.5	11.2	10.2
80°	9.5	9.2	9.2	9.2	8.9	9.2	8.5	8.5	7.9	7.6	6.9
82.5°	6.2	6.2	5.9	6.2	5.9	6.2	5.3	5.3	5.3	4.9	4.3
85°	4.3	3.6	3.6	3.9	3.3	3.9	3.6	3.3	3.0	3.0	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°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	669.3	669.7	669.7	671.0	671.6	672.0	672.0	674.6	673.6	674.3	674.9
5°	659.8	661.8	662.4	662.4	666.1	667.4	668.7	671.6	672.0	673.9	676.2
7.5°	650.6	652.9	654.2	657.2	659.5	661.8	665.7	667.7	669.7	672.3	675.2
10°	641.7	644.4	647.0	649.3	652.9	655.9	658.5	663.1	665.4	669.0	673.0
12.5°	633.2	636.8	639.1	643.1	647.0	649.6	653.6	657.9	661.5	665.1	669.7
15°	625.7	629.9	632.6	636.8	641.1	644.7	649.0	654.2	656.9	661.1	665.4
17.5°	617.4	622.1	625.3	629.3	634.5	638.5	642.1	647.3	650.6	655.2	660.1
20°	608.9	613.5	617.4	621.4	626.6	630.6	634.9	640.1	643.7	648.3	652.3
22.5°	598.7	603.0	607.3	611.9	617.1	620.4	625.3	629.9	633.9	638.1	642.1
25°	585.6	590.9	594.1	598.4	602.7	606.3	611.5	616.1	619.4	623.4	627.0
27.5°	570.2	574.1	576.7	580.3	584.6	587.9	591.8	596.4	599.7	603.3	606.0
30°	543.9	547.5	549.8	552.4	556.7	559.7	562.9	567.2	569.5	572.1	574.4
32.5°	509.4	512.4	513.7	515.6	518.6	521.5	524.2	527.8	528.8	530.4	530.4
35°	459.5	460.1	459.8	460.5	461.8	463.4	465.7	468.0	469.3	469.3	468.3
37.5°	401.0	397.1	392.8	389.5	388.5	387.9	389.2	390.2	391.5	392.1	390.5
40°	340.3	331.4	321.9	313.3	307.4	304.8	303.8	304.5	304.5	306.7	306.7
42.5°	288.0	274.2	260.1	247.3	238.8	232.2	229.2	229.2	229.6	231.2	232.2
45°	244.7	227.3	210.8	196.7	184.9	176.4	172.4	171.4	171.1	171.8	174.1
47.5°	211.5	193.4	176.4	159.0	146.5	137.9	134.3	133.0	131.7	133.0	133.3
50°	185.6	166.8	148.8	131.4	118.2	110.7	106.1	104.1	103.8	103.8	104.4
52.5°	161.9	144.5	126.5	108.7	94.9	87.7	83.4	82.4	81.1	82.4	82.4
55°	139.6	122.2	104.4	87.7	76.2	68.6	64.7	63.4	62.7	63.7	63.7
57.5°	115.3	100.5	84.1	69.0	57.5	52.2	49.3	47.6	47.3	48.0	47.3
60°	94.6	82.1	68.0	54.2	45.3	39.7	37.4	36.8	36.1	36.8	36.8
62.5°	74.9	64.4	52.9	42.4	34.8	30.9	28.2	28.2	27.9	27.9	28.2
65°	55.5	47.3	39.1	30.2	24.3	21.3	19.4	19.4	19.0	19.4	19.0
67.5°	40.4	34.8	28.2	22.0	17.4	15.8	14.5	13.5	14.1	13.5	13.1
70°	29.6	25.0	20.4	16.7	13.5	11.8	10.8	10.5	9.9	9.9	9.9
72.5°	19.7	16.7	13.8	10.8	8.9	7.2	6.9	6.2	5.6	5.9	6.6
75°	13.1	11.2	9.9	7.9	5.9	5.9	3.9	3.9	3.3	3.9	3.0
77.5°	9.2	7.6	5.9	4.9	3.9	3.6	2.6	2.6	2.3	2.3	2.3
80°	6.6	5.6	4.3	3.6	2.6	2.6	2.3	2.0	1.6	1.6	2.0
82.5°	3.9	3.0	3.0	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°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	676.6	676.2	676.9	676.9	678.9	678.5	679.5	679.5	678.9	679.2	680.5
5°	678.9	679.9	681.8	683.5	686.4	687.7	689.4	691.0	691.3	692.3	693.3
7.5°	678.9	682.2	684.5	687.4	691.3	693.6	697.3	700.2	701.5	703.2	705.1
10°	677.5	680.8	685.1	688.4	693.3	696.9	700.5	705.1	707.1	709.7	712.4
12.5°	674.9	678.5	683.1	687.4	693.0	696.3	700.9	705.1	708.1	711.7	714.7
15°	671.0	675.2	679.5	683.8	689.7	693.6	697.9	702.8	705.8	709.7	712.4
17.5°	664.7	669.3	673.3	677.2	682.8	687.4	691.3	695.9	698.9	702.2	705.8
20°	657.2	661.5	665.7	669.0	674.6	678.5	682.8	687.1	689.4	690.0	695.6
22.5°	647.7	650.6	653.9	659.2	662.4	666.1	670.0	673.9	676.2	679.9	681.8
25°	631.9	634.9	638.5	640.8	644.7	647.7	651.6	655.9	657.2	659.8	661.8
27.5°	609.9	611.5	613.2	615.1	617.4	619.1	621.4	623.4	624.7	626.0	627.3
30°	575.1	575.1	575.1	573.8	574.8	575.7	576.1	575.7	575.7	575.4	575.4
32.5°	529.1	526.5	523.5	520.9	519.9	518.6	517.9	516.9	515.3	514.3	514.6
35°	467.0	461.1	457.5	454.2	451.6	449.6	448.6	447.7	447.3	446.0	444.7
37.5°	389.5	385.3	382.6	380.7	378.4	376.4	376.7	377.0	378.0	377.4	377.7
40°	307.4	306.4	307.4	305.1	304.5	305.1	306.7	309.1	310.4	311.7	314.0
42.5°	233.8	235.5	237.8	237.8	238.8	240.1	242.0	245.7	247.6	249.9	252.6
45°	176.0	178.0	181.0	181.9	182.6	184.2	186.6	189.5	190.8	192.8	195.1
47.5°	135.6	137.0	138.6	140.2	141.9	142.5	144.8	144.8	146.5	147.8	148.4
50°	105.8	107.1	108.4	109.4	110.0	111.0	111.7	112.6	113.0	113.6	114.0
52.5°	82.8	84.4	84.4	85.1	86.0	87.0	86.7	87.0	87.4	87.4	88.3
55°	64.7	64.7	65.7	65.7	66.3	66.0	66.3	66.3	66.3	66.3	66.7
57.5°	48.3	48.6	49.6	48.9	48.6	49.3	48.6	49.3	48.9	49.6	48.6
60°	37.1	37.1	37.4	37.4	37.8	37.8	37.8	37.4	37.4	37.1	37.1
62.5°	27.9	28.2	28.6	28.2	28.2	28.2	27.9	27.9	27.6	27.3	27.3
65°	18.7	18.4	19.0	18.4	18.7	18.7	18.4	18.7	17.7	18.1	17.7
67.5°	13.5	13.1	12.8	13.1	12.8	12.5	12.5	12.8	13.1	12.2	12.2
70°	8.9	9.2	8.9	9.2	9.5	9.5	9.2	8.9	9.2	8.5	8.9
72.5°	5.6	5.6	5.6	5.6	5.6	5.9	5.9	5.9	5.3	5.3	4.9
75°	2.6	3.6	3.0	2.6	3.6	3.6	3.3	3.3	3.0	3.0	3.0
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: P244536

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	680.2	679.9	680.2	680.5	680.2	679.9	680.2	680.5	679.2	678.9	679.5
5°	694.6	694.6	695.3	695.6	695.3	694.6	694.6	693.3	692.3	691.3	691.0
7.5°	707.1	707.8	708.4	708.7	708.4	707.8	707.1	705.1	703.2	701.5	700.2
10°	714.7	715.7	717.0	717.6	717.0	715.7	714.7	712.4	709.7	707.1	705.1
12.5°	718.0	718.9	720.6	720.3	720.6	718.9	718.0	714.7	711.7	708.1	705.1
15°	715.7	717.0	718.6	719.3	718.6	717.0	715.7	712.4	709.7	705.8	702.8
17.5°	708.4	710.4	711.4	712.4	711.4	710.4	708.4	705.8	702.2	698.9	695.9
20°	698.6	699.9	701.2	701.5	701.2	699.9	698.6	695.6	690.0	689.4	687.1
22.5°	684.5	685.4	688.4	687.4	688.4	685.4	684.5	681.8	679.9	676.2	673.9
25°	664.1	665.1	665.4	665.7	665.4	665.1	664.1	661.8	659.8	657.2	655.9
27.5°	628.9	628.9	629.6	629.9	629.6	628.9	628.9	627.3	626.0	624.7	623.4
30°	575.7	575.7	575.7	577.4	575.7	575.7	575.7	575.4	575.4	575.7	575.7
32.5°	514.3	513.7	513.0	513.7	513.0	513.7	514.3	514.6	514.3	515.3	516.9
35°	444.7	444.4	445.4	444.0	445.4	444.4	444.7	444.7	446.0	447.3	447.7
37.5°	378.0	377.4	378.7	377.4	378.7	377.4	378.0	377.7	377.4	378.0	377.0
40°	314.6	315.3	315.3	317.9	315.3	315.3	314.6	314.0	311.7	310.4	309.1
42.5°	253.9	255.9	255.2	257.2	255.2	255.9	253.9	252.6	249.9	247.6	245.7
45°	196.4	197.7	197.7	198.4	197.7	197.7	196.4	195.1	192.8	190.8	189.5
47.5°	150.7	150.7	150.7	151.1	150.7	150.7	150.7	148.4	147.8	146.5	144.8
50°	114.6	114.9	115.3	115.6	115.3	114.9	114.6	114.0	113.6	113.0	112.6
52.5°	88.0	88.3	87.7	88.3	87.7	88.3	88.0	88.3	87.4	87.4	87.0
55°	66.7	66.3	66.7	67.0	66.7	66.3	66.7	66.7	66.3	66.3	66.3
57.5°	48.9	48.3	48.3	48.3	48.3	48.3	48.9	48.6	49.6	48.9	49.3
60°	36.5	36.8	36.8	37.1	36.8	36.8	36.5	37.1	37.1	37.4	37.4
62.5°	26.9	27.9	27.3	27.9	27.3	27.9	26.9	27.3	27.3	27.6	27.9
65°	17.4	17.4	17.4	17.7	17.4	17.4	17.4	17.7	18.1	17.7	18.7
67.5°	11.8	12.2	12.8	12.5	12.8	12.2	11.8	12.2	12.2	13.1	12.8
70°	9.5	8.5	8.5	9.5	8.5	8.5	9.5	8.9	8.5	9.2	8.9
72.5°	5.6	4.9	5.6	5.6	5.6	4.9	5.6	4.9	5.3	5.3	5.9
75°	3.0	2.6	2.3	3.3	2.3	2.6	3.0	3.0	3.0	3.0	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: P244536

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	679.5	678.5	678.9	676.9	676.9	676.2	676.6	674.9	674.3	673.6	674.6
5°	689.4	687.7	686.4	683.5	681.8	679.9	678.9	676.2	673.9	672.0	671.6
7.5°	697.3	693.6	691.3	687.4	684.5	682.2	678.9	675.2	672.3	669.7	667.7
10°	700.5	696.9	693.3	688.4	685.1	680.8	677.5	673.0	669.0	665.4	663.1
12.5°	700.9	696.3	693.0	687.4	683.1	678.5	674.9	669.7	665.1	661.5	657.9
15°	697.9	693.6	689.7	683.8	679.5	675.2	671.0	665.4	661.1	656.9	654.2
17.5°	691.3	687.4	682.8	677.2	673.3	669.3	664.7	660.1	655.2	650.6	647.3
20°	682.8	678.5	674.6	669.0	665.7	661.5	657.2	652.3	648.3	643.7	640.1
22.5°	670.0	666.1	662.4	659.2	653.9	650.6	647.7	642.1	638.1	633.9	629.9
25°	651.6	647.7	644.7	640.8	638.5	634.9	631.9	627.0	623.4	619.4	616.1
27.5°	621.4	619.1	617.4	615.1	613.2	611.5	609.9	606.0	603.3	599.7	596.4
30°	576.1	575.7	574.8	573.8	575.1	575.1	575.1	574.4	572.1	569.5	567.2
32.5°	517.9	518.6	519.9	520.9	523.5	526.5	529.1	530.4	530.4	528.8	527.8
35°	448.6	449.6	451.6	454.2	457.5	461.1	467.0	468.3	469.3	469.3	468.0
37.5°	376.7	376.4	378.4	380.7	382.6	385.3	389.5	390.5	392.1	391.5	390.2
40°	306.7	305.1	304.5	305.1	307.4	306.4	307.4	306.7	306.7	304.5	304.5
42.5°	242.0	240.1	238.8	237.8	237.8	235.5	233.8	232.2	231.2	229.6	229.2
45°	186.6	184.2	182.6	181.9	181.0	178.0	176.0	174.1	171.8	171.1	171.4
47.5°	144.8	142.5	141.9	140.2	138.6	137.0	135.6	133.3	133.0	131.7	133.0
50°	111.7	111.0	110.0	109.4	108.4	107.1	105.8	104.4	103.8	103.8	104.1
52.5°	86.7	87.0	86.0	85.1	84.4	84.4	82.8	82.4	82.4	81.1	82.4
55°	66.3	66.0	66.3	65.7	65.7	64.7	64.7	63.7	63.7	62.7	63.4
57.5°	48.6	49.3	48.6	48.9	49.6	48.6	48.3	47.3	48.0	47.3	47.6
60°	37.8	37.8	37.8	37.4	37.4	37.1	37.1	36.8	36.8	36.1	36.8
62.5°	27.9	28.2	28.2	28.2	28.6	28.2	27.9	28.2	27.9	27.9	28.2
65°	18.4	18.7	18.7	18.4	19.0	18.4	18.7	19.0	19.4	19.0	19.4
67.5°	12.5	12.5	12.8	13.1	12.8	13.1	13.5	13.1	13.5	14.1	13.5
70°	9.2	9.5	9.5	9.2	8.9	9.2	8.9	9.9	9.9	9.9	10.5
72.5°	5.9	5.9	5.6	5.6	5.6	5.6	5.6	6.6	5.9	5.6	6.2
75°	3.3	3.6	3.6	2.6	3.0	3.6	2.6	3.0	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: P244536

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	672.0	672.0	671.6	671.0	669.7	669.7	669.3	668.4	667.7	667.4	667.4
5°	668.7	667.4	666.1	662.4	662.4	661.8	659.8	658.5	657.9	656.2	655.6
7.5°	665.7	661.8	659.5	657.2	654.2	652.9	650.6	649.6	647.3	645.7	644.7
10°	658.5	655.9	652.9	649.3	647.0	644.4	641.7	639.8	636.8	635.2	633.9
12.5°	653.6	649.6	647.0	643.1	639.1	636.8	633.2	630.9	628.0	624.7	622.7
15°	649.0	644.7	641.1	636.8	632.6	629.9	625.7	623.0	618.8	615.5	613.2
17.5°	642.1	638.5	634.5	629.3	625.3	622.1	617.4	614.2	610.2	606.0	603.7
20°	634.9	630.6	626.6	621.4	617.4	613.5	608.9	605.3	600.7	596.8	594.1
22.5°	625.3	620.4	617.1	611.9	607.3	603.0	598.7	594.5	590.2	586.9	583.9
25°	611.5	606.3	602.7	598.4	594.1	590.9	585.6	583.0	578.7	575.7	572.8
27.5°	591.8	587.9	584.6	580.3	576.7	574.1	570.2	567.5	563.9	561.3	559.0
30°	562.9	559.7	556.7	552.4	549.8	547.5	543.9	541.6	539.0	536.0	535.3
32.5°	524.2	521.5	518.6	515.6	513.7	512.4	509.4	508.1	505.5	503.8	502.2
35°	465.7	463.4	461.8	460.5	459.8	460.1	459.5	460.8	461.4	461.1	461.4
37.5°	389.2	387.9	388.5	389.5	392.8	397.1	401.0	406.9	410.9	414.8	418.4
40°	303.8	304.8	307.4	313.3	321.9	331.4	340.3	351.4	362.6	370.5	377.7
42.5°	229.2	232.2	238.8	247.3	260.1	274.2	288.0	304.5	317.9	331.1	340.3
45°	172.4	176.4	184.9	196.7	210.8	227.3	244.7	263.1	279.2	292.6	302.8
47.5°	134.3	137.9	146.5	159.0	176.4	193.4	211.5	230.6	247.3	260.4	269.3
50°	106.1	110.7	118.2	131.4	148.8	166.8	185.6	204.3	220.1	231.2	239.1
52.5°	83.4	87.7	94.9	108.7	126.5	144.5	161.9	180.3	194.1	204.9	210.2
55°	64.7	68.6	76.2	87.7	104.4	122.2	139.6	155.4	168.2	176.0	181.0
57.5°	49.3	52.2	57.5	69.0	84.1	100.5	115.3	131.0	140.9	146.5	149.8
60°	37.4	39.7	45.3	54.2	68.0	82.1	94.6	106.4	114.3	118.9	122.2
62.5°	28.2	30.9	34.8	42.4	52.9	64.4	74.9	83.7	90.3	93.3	95.6
65°	19.4	21.3	24.3	30.2	39.1	47.3	55.5	62.1	66.3	69.6	70.9
67.5°	14.5	15.8	17.4	22.0	28.2	34.8	40.4	45.0	49.6	50.9	53.2
70°	10.8	11.8	13.5	16.7	20.4	25.0	29.6	32.2	35.5	37.8	38.4
72.5°	6.9	7.2	8.9	10.8	13.8	16.7	19.7	22.0	24.0	25.3	25.9
75°	3.9	5.9	5.9	7.9	9.9	11.2	13.1	14.8	15.8	16.7	16.7
77.5°	2.6	3.6	3.9	4.9	5.9	7.6	9.2	10.2	11.2	11.5	11.5
80°	2.3	2.6	2.6	3.6	4.3	5.6	6.6	6.9	7.6	7.9	8.5
82.5°	1.0	1.3	1.6	2.6	3.0	3.0	3.9	4.3	4.9	5.3	5.3
85°	0.3	0.7	0.7	1.0	1.6	2.0	2.3	2.6	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: P244536

CATALOG NUMBER: LD8B10D010 ER8B10840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	672.6	672.6	672.6	672.6	672.6	672.6	672.6
2.5°	666.7	667.0	665.7	665.4	664.7	665.1	665.7
5°	654.6	654.9	653.6	652.3	652.3	651.9	652.3
7.5°	643.1	643.4	641.4	640.8	639.5	639.8	639.8
10°	631.6	631.6	628.6	628.3	627.3	627.0	627.0
12.5°	620.4	619.4	617.1	615.8	616.5	614.5	614.5
15°	610.5	608.9	606.0	605.0	603.3	602.7	602.7
17.5°	600.4	599.1	596.4	594.5	592.5	592.2	592.5
20°	590.5	589.2	585.9	584.6	583.0	583.0	582.3
22.5°	580.7	579.3	576.4	575.4	573.1	573.1	573.4
25°	570.5	569.5	566.2	565.6	565.2	563.9	564.6
27.5°	556.7	556.0	553.4	552.4	551.1	550.8	551.4
30°	531.4	530.4	528.5	527.5	525.2	525.5	526.1
32.5°	499.9	498.6	495.9	494.9	493.0	492.3	492.6
35°	460.5	459.5	457.2	457.2	455.2	454.5	455.2
37.5°	420.4	421.4	420.4	421.4	420.4	420.1	420.4
40°	382.6	386.2	386.9	390.5	389.2	391.2	390.8
42.5°	346.5	352.4	354.7	357.7	357.0	358.3	359.3
45°	310.0	315.0	317.3	319.2	319.6	320.2	320.6
47.5°	275.5	279.5	279.8	282.1	281.8	281.8	282.8
50°	243.4	246.0	246.6	248.3	247.0	246.3	246.6
52.5°	213.5	216.1	215.4	216.1	214.5	213.8	214.1
55°	182.9	184.2	184.2	184.2	182.3	182.3	182.3
57.5°	151.7	152.1	151.4	151.7	151.4	149.4	149.1
60°	123.2	123.2	122.8	123.2	122.2	121.2	121.2
62.5°	96.2	96.9	98.2	96.9	96.2	96.9	95.9
65°	71.9	73.2	72.9	73.6	73.2	73.2	72.6
67.5°	54.2	54.5	54.8	55.2	55.2	55.2	55.2
70°	39.7	40.7	40.4	40.4	40.4	40.4	42.4
72.5°	26.6	27.9	27.6	28.2	28.2	28.9	28.2
75°	18.1	19.4	18.7	19.7	19.4	18.7	20.4
77.5°	12.2	12.8	13.1	13.5	13.1	12.8	13.1
80°	8.5	9.2	8.9	9.2	9.2	9.2	9.5
82.5°	5.3	6.2	5.9	6.2	5.9	6.2	6.2
85°	3.6	3.9	3.3	3.9	3.6	3.6	4.3
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)