

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: P244993

Luminaire Tested: **LD8B15D010 ER8B15935 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244993
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: LD8B15D010 ER8B15935 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.0 lumens
Efficiency: N/A
Efficacy: 90.6 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

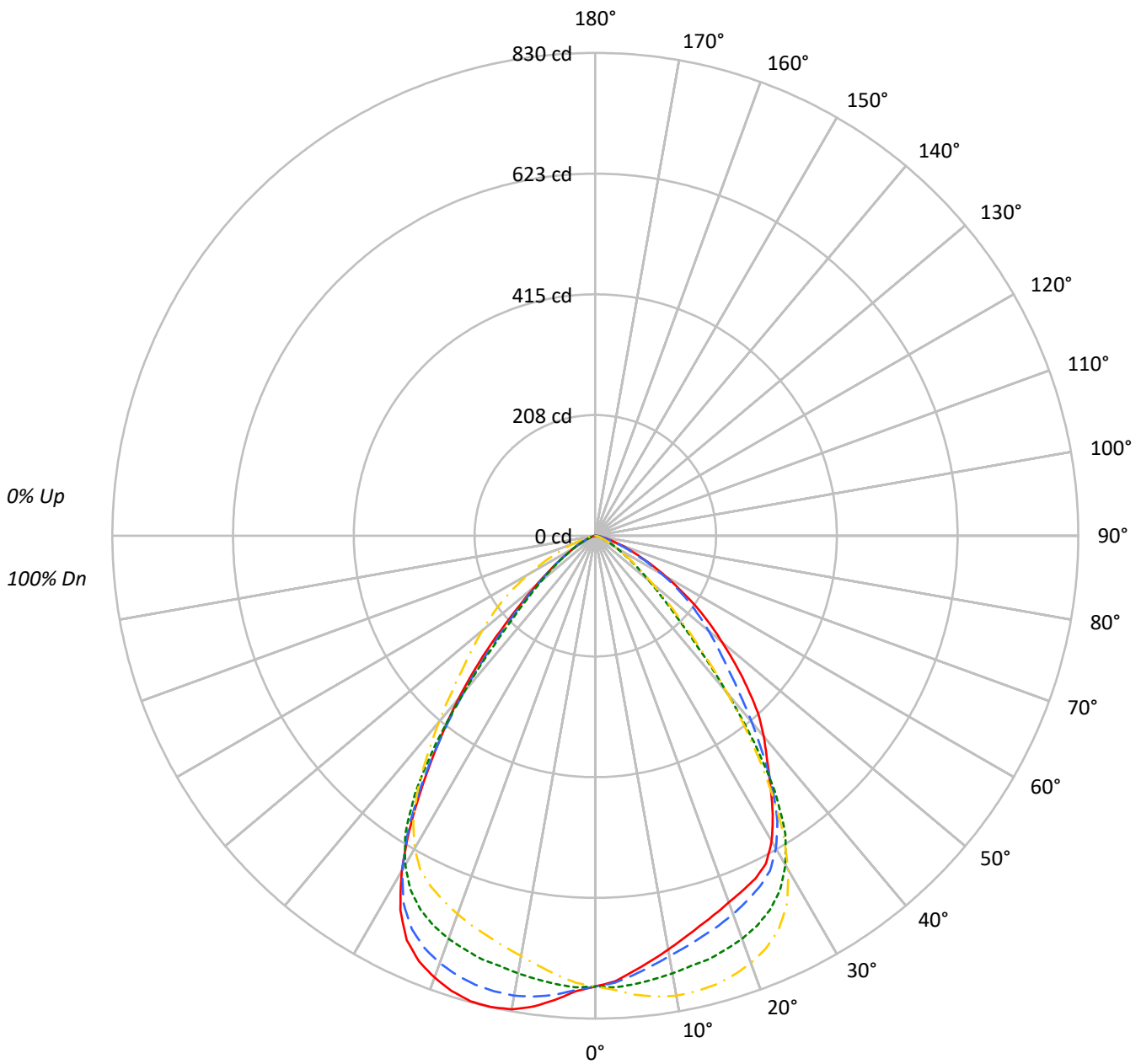
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23889	23889	23889	23889
5°	23256	23946	24800	23946
10°	22614	23916	25883	23916
15°	22162	24058	26449	24058
20°	22009	24195	26515	24195
25°	22126	24147	26090	24147
30°	21578	23262	23678	23262
35°	19737	20294	19255	20294
40°	18122	14117	14741	14117
45°	16100	8613	9965	8613
50°	13629	5752	6390	5752
55°	11290	3925	4150	3925
60°	8609	2615	2633	2615
65°	6100	1627	1488	1627
70°	4400	1091	992	1091
75°	2788	536	453	536
80°	1953	408	337	408
85°	1734	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	5.7
10°-20°	213.5	16.4
20°-30°	323.3	24.8
30°-40°	324.1	24.8
40°-50°	203.5	15.6
50°-60°	108.4	8.3
60°-70°	44.6	3.4
70°-80°	11.8	0.9
80°-90°	2.0	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°	610.6	46.8
0°-40°	934.7	71.6
0°-60°	1246.6	95.5
0°-90°	1305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	775	775	775	775	775	
5°	751	774	801	774	751	71
15°	694	754	828	754	694	196
25°	650	710	767	710	650	298
35°	524	539	512	539	524	328
45°	369	198	228	198	369	284
55°	210	73	77	73	210	187
65°	84	22	20	22	84	87
75°	23	4	4	4	23	27
85°	5	0	0	0	5	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°	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	766.8	766.0	765.7	766.4	766.8	768.3	767.9	768.7	768.7	769.1	769.8
5°	751.3	750.9	751.3	751.3	752.8	754.3	753.9	755.1	755.8	757.7	758.5
7.5°	736.9	736.9	736.5	738.0	738.8	741.1	740.7	742.6	743.7	745.6	748.3
10°	722.2	722.2	722.5	723.7	724.1	727.4	727.4	730.1	731.6	733.5	736.9
12.5°	707.8	707.8	710.1	709.3	710.8	713.5	714.6	717.2	719.5	723.3	726.7
15°	694.2	694.2	694.9	696.8	697.9	701.4	703.2	706.3	708.9	712.7	717.6
17.5°	682.4	682.1	682.4	684.7	687.0	690.0	691.5	695.3	697.9	702.9	707.4
20°	670.7	671.5	671.5	673.4	674.9	678.7	680.2	684.3	687.4	691.9	697.2
22.5°	660.5	660.1	660.1	662.8	663.9	667.3	668.8	672.6	676.0	679.8	684.7
25°	650.3	649.5	651.0	651.4	652.2	655.9	657.1	659.7	663.1	666.6	671.5
27.5°	635.1	634.4	634.8	636.3	637.4	640.4	641.2	643.8	646.5	649.5	653.7
30°	606.0	605.3	604.9	607.5	608.7	610.9	612.1	616.6	617.4	620.8	623.8
32.5°	567.4	567.1	567.8	570.1	571.2	574.2	575.8	578.4	580.3	582.2	585.2
35°	524.3	523.6	524.3	526.6	526.6	529.2	530.4	531.5	531.1	531.5	530.7
37.5°	484.2	483.8	484.2	485.3	484.2	485.3	484.2	481.9	477.8	473.2	468.7
40°	450.2	450.5	448.3	449.8	445.6	444.9	440.7	435.0	426.7	417.6	404.8
42.5°	413.9	412.7	411.2	412.0	408.6	405.9	399.1	391.9	381.3	366.2	350.7
45°	369.2	368.8	368.1	367.7	365.4	362.8	357.1	348.8	337.1	321.6	303.0
47.5°	325.7	324.6	324.6	324.9	322.3	321.9	317.4	310.2	300.0	284.9	265.6
50°	284.1	283.7	284.5	286.0	284.1	283.3	280.3	275.4	266.3	253.5	235.3
52.5°	246.6	246.3	247.0	248.9	248.2	248.9	245.9	242.1	236.1	223.6	207.7
55°	210.0	210.0	210.0	212.2	212.2	212.2	210.7	208.4	202.8	193.7	178.9
57.5°	171.7	172.1	174.4	174.8	174.4	175.2	174.8	172.5	168.7	162.3	150.9
60°	139.6	139.6	140.7	141.9	141.5	141.9	141.9	140.7	136.9	131.7	122.6
62.5°	110.5	111.6	110.8	111.6	113.1	111.6	110.8	110.1	107.4	104.0	96.5
65°	83.6	84.4	84.4	84.7	84.0	84.4	82.9	81.7	80.2	76.4	71.5
67.5°	63.6	63.6	63.6	63.6	63.2	62.8	62.4	61.3	58.6	57.1	51.8
70°	48.8	46.5	46.5	46.5	46.5	46.9	45.8	44.3	43.5	40.9	37.1
72.5°	32.5	33.3	32.5	32.5	31.8	32.2	30.6	29.9	29.1	27.6	25.3
75°	23.4	21.6	22.3	22.7	21.6	22.3	20.8	19.3	19.3	18.2	17.0
77.5°	15.1	14.8	15.1	15.5	15.1	14.8	14.0	13.2	13.2	12.9	11.7
80°	11.0	10.6	10.6	10.6	10.2	10.6	9.8	9.8	9.1	8.7	7.9
82.5°	7.2	7.2	6.8	7.2	6.8	7.2	6.1	6.1	6.1	5.7	4.9
85°	4.9	4.2	4.2	4.5	3.8	4.5	4.2	3.8	3.4	3.4	3.0
87.5°	2.3	2.6	2.3	2.6	2.3	2.3	2.6	2.3	2.3	1.5	1.5
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°	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	771.0	771.3	771.3	772.9	773.6	774.0	774.0	777.0	775.9	776.6	777.4
5°	760.0	762.2	763.0	763.0	767.2	768.7	770.2	773.6	774.0	776.2	778.9
7.5°	749.4	752.0	753.6	757.0	759.6	762.2	766.8	769.1	771.3	774.4	777.8
10°	739.2	742.2	745.2	747.9	752.0	755.4	758.5	763.8	766.4	770.6	775.1
12.5°	729.3	733.5	736.2	740.7	745.2	748.3	752.8	757.7	761.9	766.0	771.3
15°	720.6	725.6	728.6	733.5	738.4	742.6	747.5	753.6	756.6	761.5	766.4
17.5°	711.2	716.5	720.3	724.8	730.9	735.4	739.6	745.6	749.4	754.7	760.4
20°	701.4	706.6	711.2	715.7	721.8	726.3	731.2	737.3	741.4	746.7	751.3
22.5°	689.6	694.5	699.5	704.7	710.8	714.6	720.3	725.6	730.1	735.0	739.6
25°	674.5	680.5	684.3	689.2	694.2	698.3	704.4	709.7	713.5	718.0	722.2
27.5°	656.7	661.3	664.3	668.4	673.4	677.1	681.7	687.0	690.8	694.9	697.9
30°	626.4	630.6	633.3	636.3	641.2	644.6	648.4	653.3	655.9	659.0	661.6
32.5°	586.7	590.1	591.6	593.9	597.3	600.7	603.8	607.9	609.0	610.9	610.9
35°	529.2	530.0	529.6	530.4	531.9	533.8	536.4	539.1	540.6	540.6	539.4
37.5°	461.9	457.4	452.4	448.7	447.5	446.8	448.3	449.4	450.9	451.7	449.8
40°	391.9	381.7	370.7	360.9	354.1	351.1	349.9	350.7	350.7	353.3	353.3
42.5°	331.8	315.9	299.6	284.9	275.0	267.5	264.0	264.0	264.4	266.3	267.5
45°	281.8	261.8	242.9	226.6	213.0	203.1	198.6	197.5	197.1	197.8	200.5
47.5°	243.6	222.8	203.1	183.1	168.7	158.9	154.7	153.2	151.7	153.2	153.6
50°	213.7	192.2	171.4	151.3	136.2	127.5	122.2	119.9	119.5	119.5	120.3
52.5°	186.5	166.5	145.6	125.2	109.3	101.0	96.1	95.0	93.4	95.0	95.0
55°	160.8	140.7	120.3	101.0	87.8	79.1	74.5	73.0	72.2	73.4	73.4
57.5°	132.8	115.8	96.8	79.4	66.2	60.1	56.7	54.9	54.5	55.2	54.5
60°	108.9	94.6	78.3	62.4	52.2	45.8	43.1	42.4	41.6	42.4	42.4
62.5°	86.2	74.1	60.9	48.8	40.1	35.6	32.5	32.5	32.2	32.2	32.5
65°	63.9	54.5	45.0	34.8	28.0	24.6	22.3	22.3	21.9	22.3	21.9
67.5°	46.5	40.1	32.5	25.3	20.1	18.2	16.6	15.5	16.3	15.5	15.1
70°	34.1	28.7	23.4	19.3	15.5	13.6	12.5	12.1	11.4	11.4	11.4
72.5°	22.7	19.3	15.9	12.5	10.2	8.3	7.9	7.2	6.4	6.8	7.6
75°	15.1	12.9	11.4	9.1	6.8	6.8	4.5	4.5	3.8	4.5	3.4
77.5°	10.6	8.7	6.8	5.7	4.5	4.2	3.0	3.0	2.6	2.6	2.6
80°	7.6	6.4	4.9	4.2	3.0	3.0	2.6	2.3	1.9	1.9	2.3
82.5°	4.5	3.4	3.4	3.0	1.9	1.5	1.1	1.5	0.8	0.8	0.8
85°	2.6	2.3	1.9	1.1	0.8	0.8	0.4	0.0	0.4	0.4	0.0
87.5°	1.5	0.8	0.8	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.8
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°	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	779.3	778.9	779.7	779.7	781.9	781.5	782.7	782.7	781.9	782.3	783.8
5°	781.9	783.1	785.3	787.2	790.6	792.1	794.0	795.9	796.3	797.4	798.6
7.5°	781.9	785.7	788.4	791.8	796.3	798.9	803.1	806.5	808.0	809.9	812.2
10°	780.4	784.2	789.1	792.9	798.6	802.7	806.9	812.2	814.5	817.5	820.5
12.5°	777.4	781.5	786.8	791.8	798.2	802.0	807.3	812.2	815.6	819.8	823.2
15°	772.9	777.8	782.7	787.6	794.4	798.9	803.9	809.5	812.9	817.5	820.5
17.5°	765.7	771.0	775.5	780.0	786.5	791.8	796.3	801.6	805.0	808.8	812.9
20°	757.0	761.9	766.8	770.6	777.0	781.5	786.5	791.4	794.0	794.8	801.2
22.5°	746.0	749.4	753.2	759.2	763.0	767.2	771.7	776.2	778.9	783.1	785.3
25°	727.8	731.2	735.4	738.0	742.6	746.0	750.5	755.4	757.0	760.0	762.2
27.5°	702.5	704.4	706.3	708.5	711.2	713.1	715.7	718.0	719.5	721.0	722.5
30°	662.4	662.4	662.4	660.9	662.0	663.1	663.5	663.1	663.1	662.8	662.8
32.5°	609.4	606.4	603.0	600.0	598.8	597.3	596.6	595.4	593.5	592.4	592.8
35°	537.9	531.1	527.0	523.2	520.2	517.9	516.7	515.6	515.2	513.7	512.2
37.5°	448.7	443.7	440.7	438.4	435.8	433.5	433.9	434.3	435.4	434.7	435.0
40°	354.1	352.9	354.1	351.4	350.7	351.4	353.3	356.0	357.5	359.0	361.6
42.5°	269.3	271.2	273.9	273.9	275.0	276.5	278.8	283.0	285.2	287.9	290.9
45°	202.8	205.0	208.4	209.6	210.3	212.2	214.9	218.3	219.8	222.1	224.7
47.5°	156.2	157.7	159.6	161.5	163.4	164.2	166.8	166.8	168.7	170.2	171.0
50°	121.8	123.3	124.8	126.0	126.7	127.9	128.6	129.8	130.1	130.9	131.3
52.5°	95.3	97.2	97.2	98.0	99.1	100.2	99.9	100.2	100.6	100.6	101.8
55°	74.5	74.5	75.7	75.7	76.4	76.0	76.4	76.4	76.4	76.4	76.8
57.5°	55.6	56.0	57.1	56.4	56.0	56.7	56.0	56.7	56.4	57.1	56.0
60°	42.7	42.7	43.1	43.1	43.5	43.5	43.5	43.1	43.1	42.7	42.7
62.5°	32.2	32.5	32.9	32.5	32.5	32.5	32.2	32.2	31.8	31.4	31.4
65°	21.6	21.2	21.9	21.2	21.6	21.6	21.2	21.6	20.4	20.8	20.4
67.5°	15.5	15.1	14.8	15.1	14.8	14.4	14.4	14.8	15.1	14.0	14.0
70°	10.2	10.6	10.2	10.6	11.0	11.0	10.6	10.2	10.6	9.8	10.2
72.5°	6.4	6.4	6.4	6.4	6.4	6.8	6.8	6.8	6.1	6.1	5.7
75°	3.0	4.2	3.4	3.0	4.2	4.2	3.8	3.8	3.4	3.4	3.4
77.5°	3.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.9	2.3	1.9
80°	1.5	1.5	1.5	1.1	1.5	1.5	1.9	1.5	1.5	1.1	1.9
82.5°	0.8	0.8	0.8	0.0	0.4	0.8	0.8	0.4	0.8	0.8	0.4
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: LD8B15D010 ER8B15935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	783.4	783.1	783.4	783.8	783.4	783.1	783.4	783.8	782.3	781.9	782.7
5°	800.1	800.1	800.8	801.2	800.8	800.1	800.1	798.6	797.4	796.3	795.9
7.5°	814.5	815.2	816.0	816.3	816.0	815.2	814.5	812.2	809.9	808.0	806.5
10°	823.2	824.3	825.8	826.6	825.8	824.3	823.2	820.5	817.5	814.5	812.2
12.5°	826.9	828.1	830.0	829.6	830.0	828.1	826.9	823.2	819.8	815.6	812.2
15°	824.3	825.8	827.7	828.5	827.7	825.8	824.3	820.5	817.5	812.9	809.5
17.5°	816.0	818.2	819.4	820.5	819.4	818.2	816.0	812.9	808.8	805.0	801.6
20°	804.6	806.1	807.7	808.0	807.7	806.1	804.6	801.2	794.8	794.0	791.4
22.5°	788.4	789.5	792.9	791.8	792.9	789.5	788.4	785.3	783.1	778.9	776.2
25°	764.9	766.0	766.4	766.8	766.4	766.0	764.9	762.2	760.0	757.0	755.4
27.5°	724.4	724.4	725.2	725.6	725.2	724.4	724.4	722.5	721.0	719.5	718.0
30°	663.1	663.1	663.1	665.0	663.1	663.1	663.1	662.8	662.8	663.1	663.1
32.5°	592.4	591.6	590.9	591.6	590.9	591.6	592.4	592.8	592.4	593.5	595.4
35°	512.2	511.8	513.0	511.5	513.0	511.8	512.2	512.2	513.7	515.2	515.6
37.5°	435.4	434.7	436.2	434.7	436.2	434.7	435.4	435.0	434.7	435.4	434.3
40°	362.4	363.2	363.2	366.2	363.2	363.2	362.4	361.6	359.0	357.5	356.0
42.5°	292.4	294.7	293.9	296.2	293.9	294.7	292.4	290.9	287.9	285.2	283.0
45°	226.2	227.7	227.7	228.5	227.7	227.7	226.2	224.7	222.1	219.8	218.3
47.5°	173.6	173.6	173.6	174.0	173.6	173.6	173.6	171.0	170.2	168.7	166.8
50°	132.0	132.4	132.8	133.2	132.8	132.4	132.0	131.3	130.9	130.1	129.8
52.5°	101.4	101.8	101.0	101.8	101.0	101.8	101.4	101.8	100.6	100.6	100.2
55°	76.8	76.4	76.8	77.2	76.8	76.4	76.8	76.8	76.4	76.4	76.4
57.5°	56.4	55.6	55.6	55.6	55.6	55.6	56.4	56.0	57.1	56.4	56.7
60°	42.0	42.4	42.4	42.7	42.4	42.4	42.0	42.7	42.7	43.1	43.1
62.5°	31.0	32.2	31.4	32.2	31.4	32.2	31.0	31.4	31.4	31.8	32.2
65°	20.1	20.1	20.1	20.4	20.1	20.1	20.1	20.4	20.8	20.4	21.6
67.5°	13.6	14.0	14.8	14.4	14.8	14.0	13.6	14.0	14.0	15.1	14.8
70°	11.0	9.8	9.8	11.0	9.8	9.8	11.0	10.2	9.8	10.6	10.2
72.5°	6.4	5.7	6.4	6.4	6.4	5.7	6.4	5.7	6.1	6.1	6.8
75°	3.4	3.0	2.6	3.8	2.6	3.0	3.4	3.4	3.4	3.4	3.8
77.5°	2.3	1.9	2.6	2.6	2.6	1.9	2.3	1.9	2.3	1.9	2.3
80°	1.1	1.5	1.1	1.9	1.1	1.5	1.1	1.9	1.1	1.5	1.5
82.5°	0.4	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.8	0.4
85°	0.0	0.8	0.4	0.4	0.4	0.8	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.4	0.0	0.0	0.4	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: P244993

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	782.7	781.5	781.9	779.7	779.7	778.9	779.3	777.4	776.6	775.9	777.0
5°	794.0	792.1	790.6	787.2	785.3	783.1	781.9	778.9	776.2	774.0	773.6
7.5°	803.1	798.9	796.3	791.8	788.4	785.7	781.9	777.8	774.4	771.3	769.1
10°	806.9	802.7	798.6	792.9	789.1	784.2	780.4	775.1	770.6	766.4	763.8
12.5°	807.3	802.0	798.2	791.8	786.8	781.5	777.4	771.3	766.0	761.9	757.7
15°	803.9	798.9	794.4	787.6	782.7	777.8	772.9	766.4	761.5	756.6	753.6
17.5°	796.3	791.8	786.5	780.0	775.5	771.0	765.7	760.4	754.7	749.4	745.6
20°	786.5	781.5	777.0	770.6	766.8	761.9	757.0	751.3	746.7	741.4	737.3
22.5°	771.7	767.2	763.0	759.2	753.2	749.4	746.0	739.6	735.0	730.1	725.6
25°	750.5	746.0	742.6	738.0	735.4	731.2	727.8	722.2	718.0	713.5	709.7
27.5°	715.7	713.1	711.2	708.5	706.3	704.4	702.5	697.9	694.9	690.8	687.0
30°	663.5	663.1	662.0	660.9	662.4	662.4	662.4	661.6	659.0	655.9	653.3
32.5°	596.6	597.3	598.8	600.0	603.0	606.4	609.4	610.9	610.9	609.0	607.9
35°	516.7	517.9	520.2	523.2	527.0	531.1	537.9	539.4	540.6	540.6	539.1
37.5°	433.9	433.5	435.8	438.4	440.7	443.7	448.7	449.8	451.7	450.9	449.4
40°	353.3	351.4	350.7	351.4	354.1	352.9	354.1	353.3	353.3	350.7	350.7
42.5°	278.8	276.5	275.0	273.9	273.9	271.2	269.3	267.5	266.3	264.4	264.0
45°	214.9	212.2	210.3	209.6	208.4	205.0	202.8	200.5	197.8	197.1	197.5
47.5°	166.8	164.2	163.4	161.5	159.6	157.7	156.2	153.6	153.2	151.7	153.2
50°	128.6	127.9	126.7	126.0	124.8	123.3	121.8	120.3	119.5	119.5	119.9
52.5°	99.9	100.2	99.1	98.0	97.2	97.2	95.3	95.0	95.0	93.4	95.0
55°	76.4	76.0	76.4	75.7	75.7	74.5	74.5	73.4	73.4	72.2	73.0
57.5°	56.0	56.7	56.0	56.4	57.1	56.0	55.6	54.5	55.2	54.5	54.9
60°	43.5	43.5	43.5	43.1	43.1	42.7	42.7	42.4	42.4	41.6	42.4
62.5°	32.2	32.5	32.5	32.5	32.9	32.5	32.2	32.5	32.2	32.2	32.5
65°	21.2	21.6	21.6	21.2	21.9	21.2	21.6	21.9	22.3	21.9	22.3
67.5°	14.4	14.4	14.8	15.1	14.8	15.1	15.5	15.1	15.5	16.3	15.5
70°	10.6	11.0	11.0	10.6	10.2	10.6	10.2	11.4	11.4	11.4	12.1
72.5°	6.8	6.8	6.4	6.4	6.4	6.4	6.4	7.6	6.8	6.4	7.2
75°	3.8	4.2	4.2	3.0	3.4	4.2	3.0	3.4	4.5	3.8	4.5
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	3.0	2.6	2.6	2.6	3.0
80°	1.9	1.5	1.5	1.1	1.5	1.5	1.5	2.3	1.9	1.9	2.3
82.5°	0.8	0.8	0.4	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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: P244993

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	774.0	774.0	773.6	772.9	771.3	771.3	771.0	769.8	769.1	768.7	768.7
5°	770.2	768.7	767.2	763.0	763.0	762.2	760.0	758.5	757.7	755.8	755.1
7.5°	766.8	762.2	759.6	757.0	753.6	752.0	749.4	748.3	745.6	743.7	742.6
10°	758.5	755.4	752.0	747.9	745.2	742.2	739.2	736.9	733.5	731.6	730.1
12.5°	752.8	748.3	745.2	740.7	736.2	733.5	729.3	726.7	723.3	719.5	717.2
15°	747.5	742.6	738.4	733.5	728.6	725.6	720.6	717.6	712.7	708.9	706.3
17.5°	739.6	735.4	730.9	724.8	720.3	716.5	711.2	707.4	702.9	697.9	695.3
20°	731.2	726.3	721.8	715.7	711.2	706.6	701.4	697.2	691.9	687.4	684.3
22.5°	720.3	714.6	710.8	704.7	699.5	694.5	689.6	684.7	679.8	676.0	672.6
25°	704.4	698.3	694.2	689.2	684.3	680.5	674.5	671.5	666.6	663.1	659.7
27.5°	681.7	677.1	673.4	668.4	664.3	661.3	656.7	653.7	649.5	646.5	643.8
30°	648.4	644.6	641.2	636.3	633.3	630.6	626.4	623.8	620.8	617.4	616.6
32.5°	603.8	600.7	597.3	593.9	591.6	590.1	586.7	585.2	582.2	580.3	578.4
35°	536.4	533.8	531.9	530.4	529.6	530.0	529.2	530.7	531.5	531.1	531.5
37.5°	448.3	446.8	447.5	448.7	452.4	457.4	461.9	468.7	473.2	477.8	481.9
40°	349.9	351.1	354.1	360.9	370.7	381.7	391.9	404.8	417.6	426.7	435.0
42.5°	264.0	267.5	275.0	284.9	299.6	315.9	331.8	350.7	366.2	381.3	391.9
45°	198.6	203.1	213.0	226.6	242.9	261.8	281.8	303.0	321.6	337.1	348.8
47.5°	154.7	158.9	168.7	183.1	203.1	222.8	243.6	265.6	284.9	300.0	310.2
50°	122.2	127.5	136.2	151.3	171.4	192.2	213.7	235.3	253.5	266.3	275.4
52.5°	96.1	101.0	109.3	125.2	145.6	166.5	186.5	207.7	223.6	236.1	242.1
55°	74.5	79.1	87.8	101.0	120.3	140.7	160.8	178.9	193.7	202.8	208.4
57.5°	56.7	60.1	66.2	79.4	96.8	115.8	132.8	150.9	162.3	168.7	172.5
60°	43.1	45.8	52.2	62.4	78.3	94.6	108.9	122.6	131.7	136.9	140.7
62.5°	32.5	35.6	40.1	48.8	60.9	74.1	86.2	96.5	104.0	107.4	110.1
65°	22.3	24.6	28.0	34.8	45.0	54.5	63.9	71.5	76.4	80.2	81.7
67.5°	16.6	18.2	20.1	25.3	32.5	40.1	46.5	51.8	57.1	58.6	61.3
70°	12.5	13.6	15.5	19.3	23.4	28.7	34.1	37.1	40.9	43.5	44.3
72.5°	7.9	8.3	10.2	12.5	15.9	19.3	22.7	25.3	27.6	29.1	29.9
75°	4.5	6.8	6.8	9.1	11.4	12.9	15.1	17.0	18.2	19.3	19.3
77.5°	3.0	4.2	4.5	5.7	6.8	8.7	10.6	11.7	12.9	13.2	13.2
80°	2.6	3.0	3.0	4.2	4.9	6.4	7.6	7.9	8.7	9.1	9.8
82.5°	1.1	1.5	1.9	3.0	3.4	3.4	4.5	4.9	5.7	6.1	6.1
85°	0.4	0.8	0.8	1.1	1.9	2.3	2.6	3.0	3.4	3.4	3.8
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.5	1.5	1.5	2.3	2.3
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: P244993

CATALOG NUMBER: LD8B15D010 ER8B15935 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	774.7	774.7	774.7	774.7	774.7	774.7	774.7
2.5°	767.9	768.3	766.8	766.4	765.7	766.0	766.8
5°	753.9	754.3	752.8	751.3	751.3	750.9	751.3
7.5°	740.7	741.1	738.8	738.0	736.5	736.9	736.9
10°	727.4	727.4	724.1	723.7	722.5	722.2	722.2
12.5°	714.6	713.5	710.8	709.3	710.1	707.8	707.8
15°	703.2	701.4	697.9	696.8	694.9	694.2	694.2
17.5°	691.5	690.0	687.0	684.7	682.4	682.1	682.4
20°	680.2	678.7	674.9	673.4	671.5	671.5	670.7
22.5°	668.8	667.3	663.9	662.8	660.1	660.1	660.5
25°	657.1	655.9	652.2	651.4	651.0	649.5	650.3
27.5°	641.2	640.4	637.4	636.3	634.8	634.4	635.1
30°	612.1	610.9	608.7	607.5	604.9	605.3	606.0
32.5°	575.8	574.2	571.2	570.1	567.8	567.1	567.4
35°	530.4	529.2	526.6	526.6	524.3	523.6	524.3
37.5°	484.2	485.3	484.2	485.3	484.2	483.8	484.2
40°	440.7	444.9	445.6	449.8	448.3	450.5	450.2
42.5°	399.1	405.9	408.6	412.0	411.2	412.7	413.9
45°	357.1	362.8	365.4	367.7	368.1	368.8	369.2
47.5°	317.4	321.9	322.3	324.9	324.6	324.6	325.7
50°	280.3	283.3	284.1	286.0	284.5	283.7	284.1
52.5°	245.9	248.9	248.2	248.9	247.0	246.3	246.6
55°	210.7	212.2	212.2	212.2	210.0	210.0	210.0
57.5°	174.8	175.2	174.4	174.8	174.4	172.1	171.7
60°	141.9	141.9	141.5	141.9	140.7	139.6	139.6
62.5°	110.8	111.6	113.1	111.6	110.8	111.6	110.5
65°	82.9	84.4	84.0	84.7	84.4	84.4	83.6
67.5°	62.4	62.8	63.2	63.6	63.6	63.6	63.6
70°	45.8	46.9	46.5	46.5	46.5	46.5	48.8
72.5°	30.6	32.2	31.8	32.5	32.5	33.3	32.5
75°	20.8	22.3	21.6	22.7	22.3	21.6	23.4
77.5°	14.0	14.8	15.1	15.5	15.1	14.8	15.1
80°	9.8	10.6	10.2	10.6	10.6	10.6	11.0
82.5°	6.1	7.2	6.8	7.2	6.8	7.2	7.2
85°	4.2	4.5	3.8	4.5	4.2	4.2	4.9
87.5°	2.6	2.3	2.3	2.6	2.3	2.6	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)