

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: P245833

Luminaire Tested: **LD8B15D010 ER8B15840 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245833
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 ER8B15840 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: 1420.0 lumens
Efficiency: N/A
Efficacy: 98.6 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

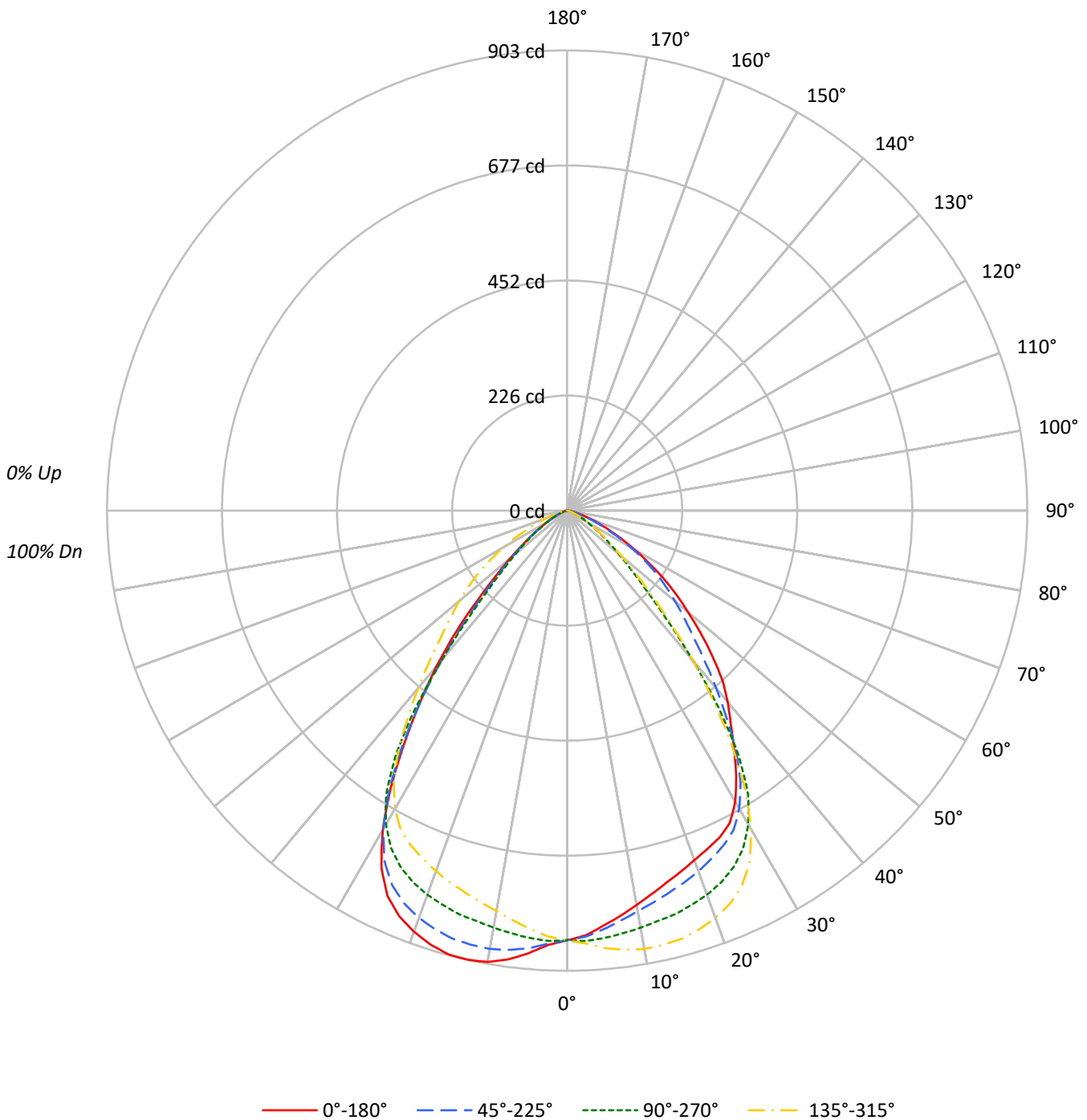
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	25995	25995	25995	25995
5°	25305	26057	26986	26057
10°	24605	26023	28162	26023
15°	24112	26178	28780	26178
20°	23949	26328	28851	26328
25°	24075	26273	28390	26273
30°	23479	25313	25765	25313
35°	21476	22082	20949	22082
40°	19716	15361	16041	15361
45°	17518	9372	10841	9372
50°	14828	6260	6951	6260
55°	12284	4269	4516	4269
60°	9368	2843	2868	2843
65°	6640	1773	1620	1773
70°	4787	1190	1073	1190
75°	3038	584	488	584
80°	2113	444	373	444
85°	1911	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	5.7
10°-20°	232.4	16.4
20°-30°	351.8	24.8
30°-40°	352.6	24.8
40°-50°	221.4	15.6
50°-60°	118.0	8.3
60°-70°	48.5	3.4
70°-80°	12.8	0.9
80°-90°	2.2	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°	664.4	46.8
0°-40°	1017.1	71.6
0°-60°	1356.5	95.5
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	843	843	843	843	843	
5°	818	842	872	842	818	77
15°	755	820	902	820	755	214
25°	708	772	834	772	708	325
35°	570	587	556	587	570	357
45°	402	215	249	215	402	309
55°	228	79	84	79	228	204
65°	91	24	22	24	91	94
75°	26	5	4	5	26	29
85°	5	0	0	0	5	6
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°	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	834.4	833.5	833.1	834.0	834.4	836.0	835.6	836.4	836.4	836.8	837.7
5°	817.5	817.1	817.5	817.5	819.1	820.8	820.4	821.6	822.4	824.5	825.3
7.5°	801.9	801.9	801.4	803.1	803.9	806.4	806.0	808.0	809.3	811.3	814.2
10°	785.8	785.8	786.2	787.4	787.9	791.6	791.6	794.4	796.1	798.1	801.9
12.5°	770.2	770.2	772.6	771.8	773.4	776.3	777.6	780.4	782.9	787.0	790.7
15°	755.3	755.3	756.2	758.2	759.4	763.2	765.2	768.5	771.4	775.5	780.9
17.5°	742.6	742.2	742.6	745.0	747.5	750.8	752.4	756.6	759.4	764.8	769.7
20°	729.8	730.6	730.6	732.7	734.3	738.5	740.1	744.6	747.9	752.9	758.6
22.5°	718.7	718.3	718.3	721.2	722.4	726.1	727.7	731.9	735.6	739.7	745.0
25°	707.6	706.8	708.4	708.8	709.6	713.8	715.0	717.9	721.6	725.3	730.6
27.5°	691.1	690.3	690.7	692.4	693.6	696.9	697.7	700.6	703.5	706.8	711.3
30°	659.4	658.6	658.2	661.1	662.3	664.8	666.0	671.0	671.8	675.5	678.8
32.5°	617.4	617.0	617.9	620.3	621.5	624.9	626.5	629.4	631.4	633.5	636.8
35°	570.5	569.7	570.5	573.0	573.0	575.9	577.1	578.3	577.9	578.3	577.5
37.5°	526.9	526.5	526.9	528.1	526.9	528.1	526.9	524.4	519.9	514.9	510.0
40°	489.8	490.2	487.8	489.4	484.9	484.1	479.6	473.4	464.3	454.4	440.4
42.5°	450.3	449.1	447.4	448.3	444.6	441.7	434.3	426.5	414.9	398.5	381.6
45°	401.7	401.3	400.5	400.1	397.6	394.8	388.6	379.5	366.8	349.9	329.7
47.5°	354.4	353.2	353.2	353.6	350.7	350.3	345.3	337.5	326.4	310.0	289.0
50°	309.1	308.7	309.5	311.2	309.1	308.3	305.0	299.7	289.8	275.8	256.0
52.5°	268.4	268.0	268.8	270.8	270.0	270.8	267.6	263.4	256.9	243.3	226.0
55°	228.5	228.5	228.5	230.9	230.9	230.9	229.3	226.8	220.6	210.8	194.7
57.5°	186.9	187.3	189.8	190.2	189.8	190.6	190.2	187.7	183.6	176.6	164.2
60°	151.9	151.9	153.1	154.4	153.9	154.4	154.4	153.1	149.0	143.3	133.4
62.5°	120.2	121.4	120.6	121.4	123.1	121.4	120.6	119.8	116.9	113.2	105.0
65°	91.0	91.8	91.8	92.2	91.4	91.8	90.2	88.9	87.3	83.2	77.8
67.5°	69.2	69.2	69.2	69.2	68.7	68.3	67.9	66.7	63.8	62.2	56.4
70°	53.1	50.6	50.6	50.6	50.6	51.0	49.8	48.2	47.3	44.5	40.3
72.5°	35.4	36.2	35.4	35.4	34.6	35.0	33.3	32.5	31.7	30.1	27.6
75°	25.5	23.5	24.3	24.7	23.5	24.3	22.6	21.0	21.0	19.8	18.5
77.5°	16.5	16.1	16.5	16.9	16.5	16.1	15.2	14.4	14.4	14.0	12.8
80°	11.9	11.5	11.5	11.5	11.1	11.5	10.7	10.7	9.9	9.5	8.6
82.5°	7.8	7.8	7.4	7.8	7.4	7.8	6.6	6.6	6.6	6.2	5.4
85°	5.4	4.5	4.5	4.9	4.1	4.9	4.5	4.1	3.7	3.7	3.3
87.5°	2.5	2.9	2.5	2.9	2.5	2.5	2.9	2.5	2.5	1.6	1.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	838.9	839.3	839.3	841.0	841.8	842.2	842.2	845.5	844.2	845.1	845.9
5°	827.0	829.4	830.3	830.3	834.8	836.4	838.1	841.8	842.2	844.7	847.5
7.5°	815.4	818.3	820.0	823.7	826.5	829.4	834.4	836.8	839.3	842.6	846.3
10°	804.3	807.6	810.9	813.8	818.3	822.0	825.3	831.1	834.0	838.5	843.4
12.5°	793.6	798.1	801.0	806.0	810.9	814.2	819.1	824.5	829.0	833.5	839.3
15°	784.1	789.5	792.8	798.1	803.5	808.0	813.4	820.0	823.3	828.6	834.0
17.5°	773.8	779.6	783.7	788.7	795.3	800.2	804.7	811.3	815.4	821.2	827.4
20°	763.2	768.9	773.8	778.8	785.4	790.3	795.7	802.3	806.8	812.5	817.5
22.5°	750.4	755.8	761.1	766.9	773.4	777.6	783.7	789.5	794.4	799.8	804.7
25°	733.9	740.5	744.6	750.0	755.3	759.9	766.4	772.2	776.3	781.3	785.8
27.5°	714.6	719.5	722.8	727.3	732.7	736.8	741.7	747.5	751.6	756.2	759.4
30°	681.6	686.2	689.1	692.4	697.7	701.4	705.5	710.9	713.8	717.1	719.9
32.5°	638.4	642.1	643.8	646.3	650.0	653.7	657.0	661.5	662.7	664.8	664.8
35°	575.9	576.7	576.3	577.1	578.8	580.8	583.7	586.6	588.2	588.2	587.0
37.5°	502.6	497.7	492.3	488.2	487.0	486.1	487.8	489.0	490.7	491.5	489.4
40°	426.5	415.3	403.4	392.7	385.3	382.0	380.8	381.6	381.6	384.5	384.5
42.5°	361.0	343.7	326.0	310.0	299.2	291.0	287.3	287.3	287.7	289.8	291.0
45°	306.7	284.8	264.3	246.6	231.7	221.0	216.1	214.9	214.5	215.3	218.2
47.5°	265.1	242.5	221.0	199.2	183.6	172.9	168.4	166.7	165.1	166.7	167.1
50°	232.6	209.1	186.5	164.7	148.2	138.7	133.0	130.5	130.1	130.1	130.9
52.5°	202.9	181.1	158.5	136.3	119.0	109.9	104.6	103.3	101.7	103.3	103.3
55°	174.9	153.1	130.9	109.9	95.5	86.0	81.1	79.4	78.6	79.9	79.9
57.5°	144.5	126.0	105.4	86.4	72.0	65.5	61.7	59.7	59.3	60.1	59.3
60°	118.5	102.9	85.2	67.9	56.8	49.8	46.9	46.1	45.3	46.1	46.1
62.5°	93.8	80.7	66.3	53.1	43.6	38.7	35.4	35.4	35.0	35.0	35.4
65°	69.6	59.3	49.0	37.9	30.5	26.8	24.3	24.3	23.9	24.3	23.9
67.5°	50.6	43.6	35.4	27.6	21.8	19.8	18.1	16.9	17.7	16.9	16.5
70°	37.1	31.3	25.5	21.0	16.9	14.8	13.6	13.2	12.4	12.4	12.4
72.5°	24.7	21.0	17.3	13.6	11.1	9.0	8.6	7.8	7.0	7.4	8.2
75°	16.5	14.0	12.4	9.9	7.4	7.4	4.9	4.9	4.1	4.9	3.7
77.5°	11.5	9.5	7.4	6.2	4.9	4.5	3.3	3.3	2.9	2.9	2.9
80°	8.2	7.0	5.4	4.5	3.3	3.3	2.9	2.5	2.1	2.1	2.5
82.5°	4.9	3.7	3.7	3.3	2.1	1.6	1.2	1.6	0.8	0.8	0.8
85°	2.9	2.5	2.1	1.2	0.8	0.8	0.4	0.0	0.4	0.4	0.0
87.5°	1.6	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°	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	848.0	847.5	848.4	848.4	850.8	850.4	851.6	851.6	850.8	851.2	852.9
5°	850.8	852.1	854.5	856.6	860.3	862.0	864.0	866.1	866.5	867.7	868.9
7.5°	850.8	855.0	857.8	861.5	866.5	869.4	873.9	877.6	879.2	881.3	883.8
10°	849.2	853.3	858.6	862.8	868.9	873.5	878.0	883.8	886.2	889.5	892.8
12.5°	845.9	850.4	856.2	861.5	868.5	872.6	878.4	883.8	887.5	892.0	895.7
15°	841.0	846.3	851.6	857.0	864.4	869.4	874.7	880.9	884.6	889.5	892.8
17.5°	833.1	838.9	843.8	848.8	855.8	861.5	866.5	872.2	875.9	880.1	884.6
20°	823.7	829.0	834.4	838.5	845.5	850.4	855.8	861.1	864.0	864.8	871.8
22.5°	811.7	815.4	819.5	826.1	830.3	834.8	839.7	844.7	847.5	852.1	854.5
25°	792.0	795.7	800.2	803.1	808.0	811.7	816.7	822.0	823.7	827.0	829.4
27.5°	764.4	766.4	768.5	771.0	773.8	775.9	778.8	781.3	782.9	784.6	786.2
30°	720.7	720.7	720.7	719.1	720.3	721.6	722.0	721.6	721.6	721.2	721.2
32.5°	663.1	659.8	656.1	652.8	651.6	650.0	649.1	647.9	645.8	644.6	645.0
35°	585.3	577.9	573.4	569.3	566.0	563.5	562.3	561.0	560.6	559.0	557.3
37.5°	488.2	482.8	479.6	477.1	474.2	471.7	472.1	472.6	473.8	473.0	473.4
40°	385.3	384.0	385.3	382.4	381.6	382.4	384.5	387.3	389.0	390.6	393.5
42.5°	293.1	295.1	298.0	298.0	299.2	300.9	303.4	307.9	310.4	313.2	316.5
45°	220.6	223.1	226.8	228.0	228.9	230.9	233.8	237.5	239.1	241.6	244.5
47.5°	170.0	171.6	173.7	175.8	177.8	178.6	181.5	181.5	183.6	185.2	186.0
50°	132.5	134.2	135.8	137.1	137.9	139.1	139.9	141.2	141.6	142.4	142.8
52.5°	103.7	105.8	105.8	106.6	107.8	109.1	108.7	109.1	109.5	109.5	110.7
55°	81.1	81.1	82.3	82.3	83.2	82.7	83.2	83.2	83.2	83.2	83.6
57.5°	60.5	60.9	62.2	61.3	60.9	61.7	60.9	61.7	61.3	62.2	60.9
60°	46.5	46.5	46.9	46.9	47.3	47.3	47.3	46.9	46.9	46.5	46.5
62.5°	35.0	35.4	35.8	35.4	35.4	35.4	35.0	35.0	34.6	34.2	34.2
65°	23.5	23.1	23.9	23.1	23.5	23.5	23.1	23.5	22.2	22.6	22.2
67.5°	16.9	16.5	16.1	16.5	16.1	15.6	15.6	16.1	16.5	15.2	15.2
70°	11.1	11.5	11.1	11.5	11.9	11.9	11.5	11.1	11.5	10.7	11.1
72.5°	7.0	7.0	7.0	7.0	7.0	7.4	7.4	7.4	6.6	6.6	6.2
75°	3.3	4.5	3.7	3.3	4.5	4.5	4.1	4.1	3.7	3.7	3.7
77.5°	3.3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.1	2.5	2.1
80°	1.6	1.6	1.6	1.2	1.6	1.6	2.1	1.6	1.6	1.2	2.1
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	852.5	852.1	852.5	852.9	852.5	852.1	852.5	852.9	851.2	850.8	851.6
5°	870.6	870.6	871.4	871.8	871.4	870.6	870.6	868.9	867.7	866.5	866.1
7.5°	886.2	887.1	887.9	888.3	887.9	887.1	886.2	883.8	881.3	879.2	877.6
10°	895.7	896.9	898.6	899.4	898.6	896.9	895.7	892.8	889.5	886.2	883.8
12.5°	899.8	901.1	903.1	902.7	903.1	901.1	899.8	895.7	892.0	887.5	883.8
15°	896.9	898.6	900.6	901.5	900.6	898.6	896.9	892.8	889.5	884.6	880.9
17.5°	887.9	890.3	891.6	892.8	891.6	890.3	887.9	884.6	880.1	875.9	872.2
20°	875.5	877.2	878.8	879.2	878.8	877.2	875.5	871.8	864.8	864.0	861.1
22.5°	857.8	859.1	862.8	861.5	862.8	859.1	857.8	854.5	852.1	847.5	844.7
25°	832.3	833.5	834.0	834.4	834.0	833.5	832.3	829.4	827.0	823.7	822.0
27.5°	788.3	788.3	789.1	789.5	789.1	788.3	788.3	786.2	784.6	782.9	781.3
30°	721.6	721.6	721.6	723.6	721.6	721.6	721.6	721.2	721.2	721.6	721.6
32.5°	644.6	643.8	643.0	643.8	643.0	643.8	644.6	645.0	644.6	645.8	647.9
35°	557.3	556.9	558.2	556.5	558.2	556.9	557.3	557.3	559.0	560.6	561.0
37.5°	473.8	473.0	474.6	473.0	474.6	473.0	473.8	473.4	473.0	473.8	472.6
40°	394.3	395.2	395.2	398.5	395.2	395.2	394.3	393.5	390.6	389.0	387.3
42.5°	318.2	320.7	319.8	322.3	319.8	320.7	318.2	316.5	313.2	310.4	307.9
45°	246.1	247.8	247.8	248.6	247.8	247.8	246.1	244.5	241.6	239.1	237.5
47.5°	188.9	188.9	188.9	189.4	188.9	188.9	188.9	186.0	185.2	183.6	181.5
50°	143.7	144.1	144.5	144.9	144.5	144.1	143.7	142.8	142.4	141.6	141.2
52.5°	110.3	110.7	109.9	110.7	109.9	110.7	110.3	110.7	109.5	109.5	109.1
55°	83.6	83.2	83.6	84.0	83.6	83.2	83.6	83.6	83.2	83.2	83.2
57.5°	61.3	60.5	60.5	60.5	60.5	60.5	61.3	60.9	62.2	61.3	61.7
60°	45.7	46.1	46.1	46.5	46.1	46.1	45.7	46.5	46.5	46.9	46.9
62.5°	33.8	35.0	34.2	35.0	34.2	35.0	33.8	34.2	34.2	34.6	35.0
65°	21.8	21.8	21.8	22.2	21.8	21.8	21.8	22.2	22.6	22.2	23.5
67.5°	14.8	15.2	16.1	15.6	16.1	15.2	14.8	15.2	15.2	16.5	16.1
70°	11.9	10.7	10.7	11.9	10.7	10.7	11.9	11.1	10.7	11.5	11.1
72.5°	7.0	6.2	7.0	7.0	7.0	6.2	7.0	6.2	6.6	6.6	7.4
75°	3.7	3.3	2.9	4.1	2.9	3.3	3.7	3.7	3.7	3.7	4.1
77.5°	2.5	2.1	2.9	2.9	2.9	2.1	2.5	2.1	2.5	2.1	2.5
80°	1.2	1.6	1.2	2.1	1.2	1.6	1.2	2.1	1.2	1.6	1.6
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



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	851.6	850.4	850.8	848.4	848.4	847.5	848.0	845.9	845.1	844.2	845.5
5°	864.0	862.0	860.3	856.6	854.5	852.1	850.8	847.5	844.7	842.2	841.8
7.5°	873.9	869.4	866.5	861.5	857.8	855.0	850.8	846.3	842.6	839.3	836.8
10°	878.0	873.5	868.9	862.8	858.6	853.3	849.2	843.4	838.5	834.0	831.1
12.5°	878.4	872.6	868.5	861.5	856.2	850.4	845.9	839.3	833.5	829.0	824.5
15°	874.7	869.4	864.4	857.0	851.6	846.3	841.0	834.0	828.6	823.3	820.0
17.5°	866.5	861.5	855.8	848.8	843.8	838.9	833.1	827.4	821.2	815.4	811.3
20°	855.8	850.4	845.5	838.5	834.4	829.0	823.7	817.5	812.5	806.8	802.3
22.5°	839.7	834.8	830.3	826.1	819.5	815.4	811.7	804.7	799.8	794.4	789.5
25°	816.7	811.7	808.0	803.1	800.2	795.7	792.0	785.8	781.3	776.3	772.2
27.5°	778.8	775.9	773.8	771.0	768.5	766.4	764.4	759.4	756.2	751.6	747.5
30°	722.0	721.6	720.3	719.1	720.7	720.7	720.7	719.9	717.1	713.8	710.9
32.5°	649.1	650.0	651.6	652.8	656.1	659.8	663.1	664.8	664.8	662.7	661.5
35°	562.3	563.5	566.0	569.3	573.4	577.9	585.3	587.0	588.2	588.2	586.6
37.5°	472.1	471.7	474.2	477.1	479.6	482.8	488.2	489.4	491.5	490.7	489.0
40°	384.5	382.4	381.6	382.4	385.3	384.0	385.3	384.5	384.5	381.6	381.6
42.5°	303.4	300.9	299.2	298.0	298.0	295.1	293.1	291.0	289.8	287.7	287.3
45°	233.8	230.9	228.9	228.0	226.8	223.1	220.6	218.2	215.3	214.5	214.9
47.5°	181.5	178.6	177.8	175.8	173.7	171.6	170.0	167.1	166.7	165.1	166.7
50°	139.9	139.1	137.9	137.1	135.8	134.2	132.5	130.9	130.1	130.1	130.5
52.5°	108.7	109.1	107.8	106.6	105.8	105.8	103.7	103.3	103.3	101.7	103.3
55°	83.2	82.7	83.2	82.3	82.3	81.1	81.1	79.9	79.9	78.6	79.4
57.5°	60.9	61.7	60.9	61.3	62.2	60.9	60.5	59.3	60.1	59.3	59.7
60°	47.3	47.3	47.3	46.9	46.9	46.5	46.5	46.1	46.1	45.3	46.1
62.5°	35.0	35.4	35.4	35.4	35.8	35.4	35.0	35.4	35.0	35.0	35.4
65°	23.1	23.5	23.5	23.1	23.9	23.1	23.5	23.9	24.3	23.9	24.3
67.5°	15.6	15.6	16.1	16.5	16.1	16.5	16.9	16.5	16.9	17.7	16.9
70°	11.5	11.9	11.9	11.5	11.1	11.5	11.1	12.4	12.4	12.4	13.2
72.5°	7.4	7.4	7.0	7.0	7.0	7.0	7.0	8.2	7.4	7.0	7.8
75°	4.1	4.5	4.5	3.3	3.7	4.5	3.3	3.7	4.9	4.1	4.9
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	3.3	2.9	2.9	2.9	3.3
80°	2.1	1.6	1.6	1.2	1.6	1.6	1.6	2.5	2.1	2.1	2.5
82.5°	0.8	0.8	0.4	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.6
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



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	842.2	842.2	841.8	841.0	839.3	839.3	838.9	837.7	836.8	836.4	836.4
5°	838.1	836.4	834.8	830.3	830.3	829.4	827.0	825.3	824.5	822.4	821.6
7.5°	834.4	829.4	826.5	823.7	820.0	818.3	815.4	814.2	811.3	809.3	808.0
10°	825.3	822.0	818.3	813.8	810.9	807.6	804.3	801.9	798.1	796.1	794.4
12.5°	819.1	814.2	810.9	806.0	801.0	798.1	793.6	790.7	787.0	782.9	780.4
15°	813.4	808.0	803.5	798.1	792.8	789.5	784.1	780.9	775.5	771.4	768.5
17.5°	804.7	800.2	795.3	788.7	783.7	779.6	773.8	769.7	764.8	759.4	756.6
20°	795.7	790.3	785.4	778.8	773.8	768.9	763.2	758.6	752.9	747.9	744.6
22.5°	783.7	777.6	773.4	766.9	761.1	755.8	750.4	745.0	739.7	735.6	731.9
25°	766.4	759.9	755.3	750.0	744.6	740.5	733.9	730.6	725.3	721.6	717.9
27.5°	741.7	736.8	732.7	727.3	722.8	719.5	714.6	711.3	706.8	703.5	700.6
30°	705.5	701.4	697.7	692.4	689.1	686.2	681.6	678.8	675.5	671.8	671.0
32.5°	657.0	653.7	650.0	646.3	643.8	642.1	638.4	636.8	633.5	631.4	629.4
35°	583.7	580.8	578.8	577.1	576.3	576.7	575.9	577.5	578.3	577.9	578.3
37.5°	487.8	486.1	487.0	488.2	492.3	497.7	502.6	510.0	514.9	519.9	524.4
40°	380.8	382.0	385.3	392.7	403.4	415.3	426.5	440.4	454.4	464.3	473.4
42.5°	287.3	291.0	299.2	310.0	326.0	343.7	361.0	381.6	398.5	414.9	426.5
45°	216.1	221.0	231.7	246.6	264.3	284.8	306.7	329.7	349.9	366.8	379.5
47.5°	168.4	172.9	183.6	199.2	221.0	242.5	265.1	289.0	310.0	326.4	337.5
50°	133.0	138.7	148.2	164.7	186.5	209.1	232.6	256.0	275.8	289.8	299.7
52.5°	104.6	109.9	119.0	136.3	158.5	181.1	202.9	226.0	243.3	256.9	263.4
55°	81.1	86.0	95.5	109.9	130.9	153.1	174.9	194.7	210.8	220.6	226.8
57.5°	61.7	65.5	72.0	86.4	105.4	126.0	144.5	164.2	176.6	183.6	187.7
60°	46.9	49.8	56.8	67.9	85.2	102.9	118.5	133.4	143.3	149.0	153.1
62.5°	35.4	38.7	43.6	53.1	66.3	80.7	93.8	105.0	113.2	116.9	119.8
65°	24.3	26.8	30.5	37.9	49.0	59.3	69.6	77.8	83.2	87.3	88.9
67.5°	18.1	19.8	21.8	27.6	35.4	43.6	50.6	56.4	62.2	63.8	66.7
70°	13.6	14.8	16.9	21.0	25.5	31.3	37.1	40.3	44.5	47.3	48.2
72.5°	8.6	9.0	11.1	13.6	17.3	21.0	24.7	27.6	30.1	31.7	32.5
75°	4.9	7.4	7.4	9.9	12.4	14.0	16.5	18.5	19.8	21.0	21.0
77.5°	3.3	4.5	4.9	6.2	7.4	9.5	11.5	12.8	14.0	14.4	14.4
80°	2.9	3.3	3.3	4.5	5.4	7.0	8.2	8.6	9.5	9.9	10.7
82.5°	1.2	1.6	2.1	3.3	3.7	3.7	4.9	5.4	6.2	6.6	6.6
85°	0.4	0.8	0.8	1.2	2.1	2.5	2.9	3.3	3.7	3.7	4.1
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.6	1.6	1.6	2.5	2.5
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: P245833

CATALOG NUMBER: LD8B15D010 ER8B15840 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	843.0	843.0	843.0	843.0	843.0	843.0	843.0
2.5°	835.6	836.0	834.4	834.0	833.1	833.5	834.4
5°	820.4	820.8	819.1	817.5	817.5	817.1	817.5
7.5°	806.0	806.4	803.9	803.1	801.4	801.9	801.9
10°	791.6	791.6	787.9	787.4	786.2	785.8	785.8
12.5°	777.6	776.3	773.4	771.8	772.6	770.2	770.2
15°	765.2	763.2	759.4	758.2	756.2	755.3	755.3
17.5°	752.4	750.8	747.5	745.0	742.6	742.2	742.6
20°	740.1	738.5	734.3	732.7	730.6	730.6	729.8
22.5°	727.7	726.1	722.4	721.2	718.3	718.3	718.7
25°	715.0	713.8	709.6	708.8	708.4	706.8	707.6
27.5°	697.7	696.9	693.6	692.4	690.7	690.3	691.1
30°	666.0	664.8	662.3	661.1	658.2	658.6	659.4
32.5°	626.5	624.9	621.5	620.3	617.9	617.0	617.4
35°	577.1	575.9	573.0	573.0	570.5	569.7	570.5
37.5°	526.9	528.1	526.9	528.1	526.9	526.5	526.9
40°	479.6	484.1	484.9	489.4	487.8	490.2	489.8
42.5°	434.3	441.7	444.6	448.3	447.4	449.1	450.3
45°	388.6	394.8	397.6	400.1	400.5	401.3	401.7
47.5°	345.3	350.3	350.7	353.6	353.2	353.2	354.4
50°	305.0	308.3	309.1	311.2	309.5	308.7	309.1
52.5°	267.6	270.8	270.0	270.8	268.8	268.0	268.4
55°	229.3	230.9	230.9	230.9	228.5	228.5	228.5
57.5°	190.2	190.6	189.8	190.2	189.8	187.3	186.9
60°	154.4	154.4	153.9	154.4	153.1	151.9	151.9
62.5°	120.6	121.4	123.1	121.4	120.6	121.4	120.2
65°	90.2	91.8	91.4	92.2	91.8	91.8	91.0
67.5°	67.9	68.3	68.7	69.2	69.2	69.2	69.2
70°	49.8	51.0	50.6	50.6	50.6	50.6	53.1
72.5°	33.3	35.0	34.6	35.4	35.4	36.2	35.4
75°	22.6	24.3	23.5	24.7	24.3	23.5	25.5
77.5°	15.2	16.1	16.5	16.9	16.5	16.1	16.5
80°	10.7	11.5	11.1	11.5	11.5	11.5	11.9
82.5°	6.6	7.8	7.4	7.8	7.4	7.8	7.8
85°	4.5	4.9	4.1	4.9	4.5	4.5	5.4
87.5°	2.9	2.5	2.5	2.9	2.5	2.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)