

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: P245821

Luminaire Tested: **LD8B15D010 ER8B15830 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245821
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 ER8B15830 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1374.0 lumens
Efficiency: N/A
Efficacy: 95.4 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

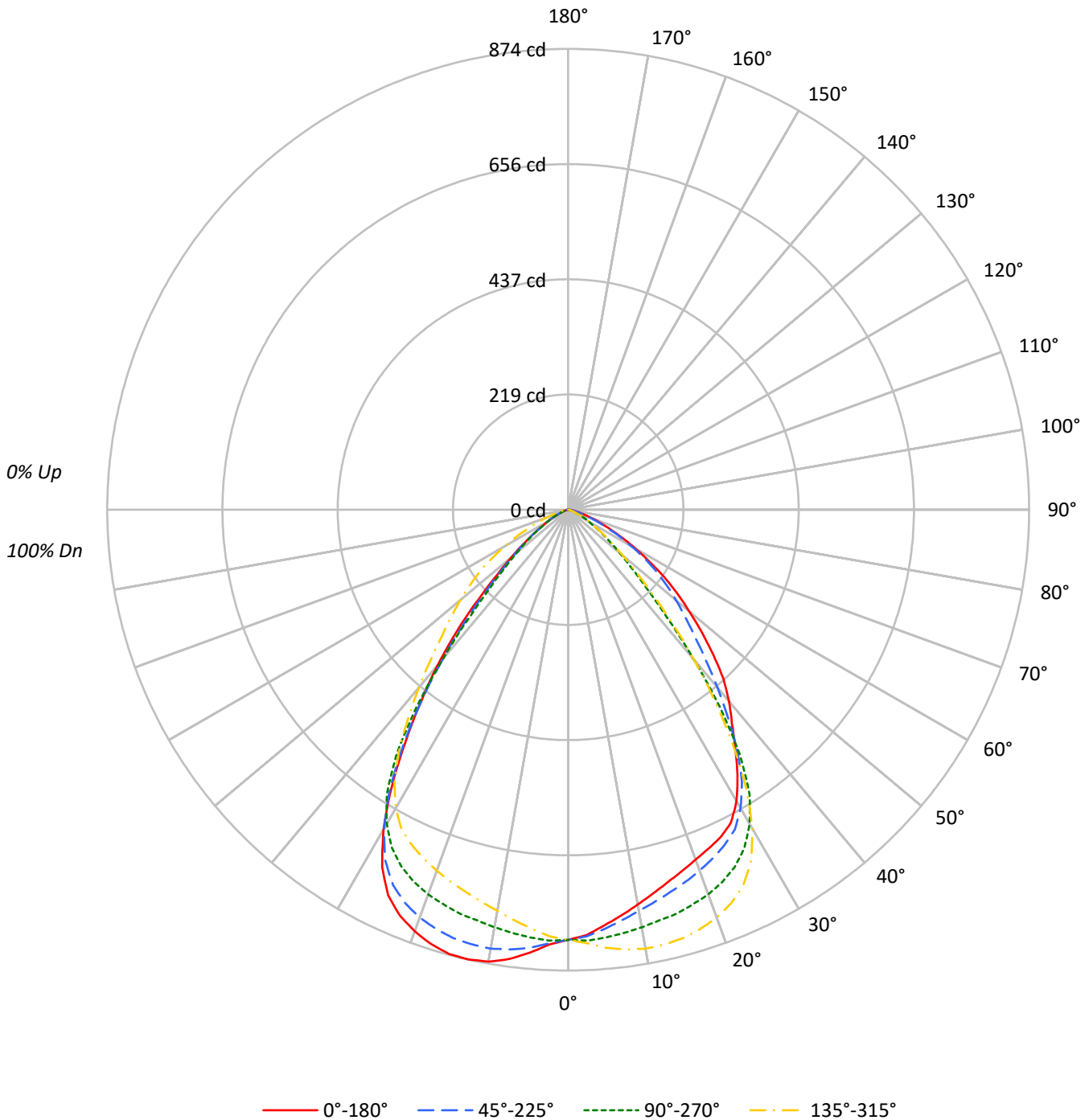
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	98	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°	25153	25153	25153	25153
5°	24485	25212	26113	25212
10°	23807	25178	27251	25178
15°	23333	25329	27847	25329
20°	23174	25475	27919	25475
25°	23296	25423	27468	25423
30°	22721	24490	24932	24490
35°	20780	21367	20271	21367
40°	19080	14862	15522	14862
45°	16951	9066	10492	9066
50°	14349	6059	6726	6059
55°	11887	4134	4365	4134
60°	9066	2751	2775	2751
65°	6421	1715	1569	1715
70°	4634	1145	1046	1145
75°	2943	572	477	572
80°	2060	426	355	426
85°	1840	0	142	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	5.7
10°-20°	224.8	16.4
20°-30°	340.4	24.8
30°-40°	341.2	24.8
40°-50°	214.3	15.6
50°-60°	114.2	8.3
60°-70°	46.9	3.4
70°-80°	12.4	0.9
80°-90°	2.1	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°	642.9	46.8
0°-40°	984.1	71.6
0°-60°	1312.5	95.5
0°-90°	1374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1374.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	816	816	816	816	816	
5°	791	814	844	814	791	75
15°	731	793	872	793	731	207
25°	685	747	807	747	685	314
35°	552	568	538	568	552	346
45°	389	208	241	208	389	299
55°	221	77	81	77	221	197
65°	88	24	22	24	88	91
75°	25	5	4	5	25	28
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°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	807.3	806.5	806.1	806.9	807.3	808.9	808.5	809.3	809.3	809.7	810.5
5°	791.0	790.6	791.0	791.0	792.6	794.2	793.8	795.0	795.8	797.8	798.6
7.5°	775.9	775.9	775.5	777.1	777.9	780.3	779.8	781.8	783.0	785.0	787.8
10°	760.3	760.3	760.7	761.9	762.3	765.9	765.9	768.7	770.3	772.3	775.9
12.5°	745.2	745.2	747.6	746.8	748.4	751.2	752.4	755.2	757.6	761.5	765.1
15°	730.9	730.9	731.7	733.6	734.8	738.4	740.4	743.6	746.4	750.4	755.6
17.5°	718.5	718.1	718.5	720.9	723.3	726.5	728.1	732.1	734.8	740.0	744.8
20°	706.2	707.0	707.0	709.0	710.5	714.5	716.1	720.5	723.7	728.5	734.1
22.5°	695.4	695.0	695.0	697.8	699.0	702.6	704.2	708.2	711.7	715.7	720.9
25°	684.7	683.9	685.5	685.9	686.6	690.6	691.8	694.6	698.2	701.8	707.0
27.5°	668.7	667.9	668.3	669.9	671.1	674.3	675.1	677.9	680.7	683.9	688.3
30°	638.1	637.3	636.9	639.7	640.9	643.2	644.4	649.2	650.0	653.6	656.8
32.5°	597.4	597.0	597.8	600.2	601.4	604.6	606.2	609.0	611.0	613.0	616.2
35°	552.0	551.2	552.0	554.4	554.4	557.2	558.4	559.6	559.2	559.6	558.8
37.5°	509.8	509.4	509.8	511.0	509.8	511.0	509.8	507.4	503.1	498.3	493.5
40°	474.0	474.4	472.0	473.6	469.2	468.4	464.0	458.0	449.3	439.7	426.2
42.5°	435.7	434.5	432.9	433.7	430.2	427.4	420.2	412.6	401.5	385.6	369.2
45°	388.7	388.3	387.5	387.1	384.8	382.0	376.0	367.2	354.9	338.6	319.0
47.5°	342.9	341.7	341.7	342.1	339.3	338.9	334.2	326.6	315.8	299.9	279.6
50°	299.1	298.7	299.5	301.1	299.1	298.3	295.1	290.0	280.4	266.9	247.7
52.5°	259.7	259.3	260.1	262.1	261.3	262.1	258.9	254.9	248.5	235.4	218.7
55°	221.1	221.1	221.1	223.4	223.4	223.4	221.8	219.5	213.5	203.9	188.4
57.5°	180.8	181.2	183.6	184.0	183.6	184.4	184.0	181.6	177.6	170.9	158.9
60°	147.0	147.0	148.2	149.4	149.0	149.4	149.4	148.2	144.2	138.6	129.1
62.5°	116.3	117.5	116.7	117.5	119.1	117.5	116.7	115.9	113.1	109.5	101.6
65°	88.0	88.8	88.8	89.2	88.4	88.8	87.2	86.0	84.4	80.5	75.3
67.5°	66.9	66.9	66.9	66.9	66.5	66.1	65.7	64.5	61.7	60.1	54.6
70°	51.4	49.0	49.0	49.0	49.0	49.4	48.2	46.6	45.8	43.0	39.0
72.5°	34.2	35.1	34.2	34.2	33.5	33.9	32.3	31.5	30.7	29.1	26.7
75°	24.7	22.7	23.5	23.9	22.7	23.5	21.9	20.3	20.3	19.1	17.9
77.5°	15.9	15.5	15.9	16.3	15.9	15.5	14.7	13.9	13.9	13.5	12.3
80°	11.6	11.1	11.1	11.1	10.8	11.1	10.4	10.4	9.6	9.2	8.4
82.5°	7.6	7.6	7.2	7.6	7.2	7.6	6.4	6.4	6.4	6.0	5.2
85°	5.2	4.4	4.4	4.8	4.0	4.8	4.4	4.0	3.6	3.6	3.2
87.5°	2.4	2.8	2.4	2.8	2.4	2.4	2.8	2.4	2.4	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°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	811.7	812.1	812.1	813.7	814.5	814.9	814.9	818.1	816.9	817.7	818.5
5°	800.2	802.6	803.4	803.4	807.7	809.3	810.9	814.5	814.9	817.3	820.1
7.5°	789.0	791.8	793.4	797.0	799.8	802.6	807.3	809.7	812.1	815.3	818.9
10°	778.3	781.5	784.6	787.4	791.8	795.4	798.6	804.1	806.9	811.3	816.1
12.5°	767.9	772.3	775.1	779.8	784.6	787.8	792.6	797.8	802.2	806.5	812.1
15°	758.7	763.9	767.1	772.3	777.5	781.8	787.0	793.4	796.6	801.8	806.9
17.5°	748.8	754.4	758.4	763.1	769.5	774.3	778.7	785.0	789.0	794.6	800.6
20°	738.4	744.0	748.8	753.6	759.9	764.7	769.9	776.3	780.6	786.2	791.0
22.5°	726.1	731.3	736.4	742.0	748.4	752.4	758.4	763.9	768.7	773.9	778.7
25°	710.2	716.5	720.5	725.7	730.9	735.2	741.6	747.2	751.2	756.0	760.3
27.5°	691.4	696.2	699.4	703.8	709.0	712.9	717.7	723.3	727.3	731.7	734.8
30°	659.6	664.0	666.7	669.9	675.1	678.7	682.7	687.8	690.6	693.8	696.6
32.5°	617.7	621.3	622.9	625.3	628.9	632.5	635.7	640.1	641.3	643.2	643.2
35°	557.2	558.0	557.6	558.4	560.0	562.0	564.8	567.6	569.2	569.2	568.0
37.5°	486.3	481.5	476.4	472.4	471.2	470.4	472.0	473.2	474.8	475.6	473.6
40°	412.6	401.9	390.3	380.0	372.8	369.6	368.4	369.2	369.2	372.0	372.0
42.5°	349.3	332.6	315.5	299.9	289.6	281.6	278.0	278.0	278.4	280.4	281.6
45°	296.7	275.6	255.7	238.6	224.2	213.9	209.1	207.9	207.5	208.3	211.1
47.5°	256.5	234.6	213.9	192.8	177.6	167.3	162.9	161.3	159.7	161.3	161.7
50°	225.0	202.3	180.4	159.3	143.4	134.2	128.6	126.3	125.9	125.9	126.7
52.5°	196.4	175.3	153.3	131.8	115.1	106.3	101.2	100.0	98.4	100.0	100.0
55°	169.3	148.2	126.7	106.3	92.4	83.2	78.5	76.9	76.1	77.3	77.3
57.5°	139.8	121.9	102.0	83.6	69.7	63.3	59.7	57.8	57.3	58.1	57.3
60°	114.7	99.6	82.4	65.7	55.0	48.2	45.4	44.6	43.8	44.6	44.6
62.5°	90.8	78.1	64.1	51.4	42.2	37.4	34.2	34.2	33.9	33.9	34.2
65°	67.3	57.3	47.4	36.6	29.5	25.9	23.5	23.5	23.1	23.5	23.1
67.5°	49.0	42.2	34.2	26.7	21.1	19.1	17.5	16.3	17.1	16.3	15.9
70°	35.9	30.3	24.7	20.3	16.3	14.3	13.1	12.7	12.0	12.0	12.0
72.5°	23.9	20.3	16.7	13.1	10.8	8.8	8.4	7.6	6.8	7.2	8.0
75°	15.9	13.5	12.0	9.6	7.2	7.2	4.8	4.8	4.0	4.8	3.6
77.5°	11.1	9.2	7.2	6.0	4.8	4.4	3.2	3.2	2.8	2.8	2.8
80°	8.0	6.8	5.2	4.4	3.2	3.2	2.8	2.4	2.0	2.0	2.4
82.5°	4.8	3.6	3.6	3.2	2.0	1.6	1.2	1.6	0.8	0.8	0.8
85°	2.8	2.4	2.0	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°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	820.5	820.1	820.9	820.9	823.3	822.9	824.1	824.1	823.3	823.7	825.3
5°	823.3	824.5	826.8	828.8	832.4	834.0	836.0	838.0	838.4	839.6	840.8
7.5°	823.3	827.3	830.0	833.6	838.4	841.2	845.6	849.2	850.8	852.7	855.1
10°	821.7	825.7	830.8	834.8	840.8	845.2	849.6	855.1	857.5	860.7	863.9
12.5°	818.5	822.9	828.4	833.6	840.4	844.4	849.9	855.1	858.7	863.1	866.7
15°	813.7	818.9	824.1	829.2	836.4	841.2	846.4	852.3	855.9	860.7	863.9
17.5°	806.1	811.7	816.5	821.3	828.0	833.6	838.4	844.0	847.6	851.6	855.9
20°	797.0	802.2	807.3	811.3	818.1	822.9	828.0	833.2	836.0	836.8	843.6
22.5°	785.4	789.0	793.0	799.4	803.4	807.7	812.5	817.3	820.1	824.5	826.8
25°	766.3	769.9	774.3	777.1	781.8	785.4	790.2	795.4	797.0	800.2	802.6
27.5°	739.6	741.6	743.6	746.0	748.8	750.8	753.6	756.0	757.6	759.1	760.7
30°	697.4	697.4	697.4	695.8	697.0	698.2	698.6	698.2	698.2	697.8	697.8
32.5°	641.6	638.5	634.9	631.7	630.5	628.9	628.1	626.9	624.9	623.7	624.1
35°	566.4	559.2	554.8	550.8	547.7	545.3	544.1	542.9	542.5	540.9	539.3
37.5°	472.4	467.2	464.0	461.6	458.8	456.4	456.8	457.2	458.4	457.6	458.0
40°	372.8	371.6	372.8	370.0	369.2	370.0	372.0	374.8	376.4	378.0	380.8
42.5°	283.6	285.6	288.4	288.4	289.6	291.2	293.5	297.9	300.3	303.1	306.3
45°	213.5	215.9	219.5	220.6	221.5	223.4	226.2	229.8	231.4	233.8	236.6
47.5°	164.5	166.1	168.1	170.1	172.1	172.9	175.6	175.6	177.6	179.2	180.0
50°	128.3	129.8	131.4	132.6	133.4	134.6	135.4	136.6	137.0	137.8	138.2
52.5°	100.4	102.4	102.4	103.2	104.3	105.5	105.2	105.5	105.9	105.9	107.1
55°	78.5	78.5	79.7	79.7	80.5	80.1	80.5	80.5	80.5	80.5	80.9
57.5°	58.5	59.0	60.1	59.3	59.0	59.7	59.0	59.7	59.3	60.1	59.0
60°	45.0	45.0	45.4	45.4	45.8	45.8	45.8	45.4	45.4	45.0	45.0
62.5°	33.9	34.2	34.7	34.2	34.2	34.2	33.9	33.9	33.5	33.1	33.1
65°	22.7	22.3	23.1	22.3	22.7	22.7	22.3	22.7	21.5	21.9	21.5
67.5°	16.3	15.9	15.5	15.9	15.5	15.1	15.1	15.5	15.9	14.7	14.7
70°	10.8	11.1	10.8	11.1	11.6	11.6	11.1	10.8	11.1	10.4	10.8
72.5°	6.8	6.8	6.8	6.8	6.8	7.2	7.2	7.2	6.4	6.4	6.0
75°	3.2	4.4	3.6	3.2	4.4	4.4	4.0	4.0	3.6	3.6	3.6
77.5°	3.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.0	2.4	2.0
80°	1.6	1.6	1.6	1.2	1.6	1.6	2.0	1.6	1.6	1.2	2.0
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°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	824.9	824.5	824.9	825.3	824.9	824.5	824.9	825.3	823.7	823.3	824.1
5°	842.4	842.4	843.2	843.6	843.2	842.4	842.4	840.8	839.6	838.4	838.0
7.5°	857.5	858.3	859.1	859.5	859.1	858.3	857.5	855.1	852.7	850.8	849.2
10°	866.7	867.9	869.5	870.3	869.5	867.9	866.7	863.9	860.7	857.5	855.1
12.5°	870.7	871.9	873.8	873.5	873.8	871.9	870.7	866.7	863.1	858.7	855.1
15°	867.9	869.5	871.5	872.3	871.5	869.5	867.9	863.9	860.7	855.9	852.3
17.5°	859.1	861.5	862.7	863.9	862.7	861.5	859.1	855.9	851.6	847.6	844.0
20°	847.2	848.8	850.4	850.8	850.4	848.8	847.2	843.6	836.8	836.0	833.2
22.5°	830.0	831.2	834.8	833.6	834.8	831.2	830.0	826.8	824.5	820.1	817.3
25°	805.3	806.5	806.9	807.3	806.9	806.5	805.3	802.6	800.2	797.0	795.4
27.5°	762.7	762.7	763.5	763.9	763.5	762.7	762.7	760.7	759.1	757.6	756.0
30°	698.2	698.2	698.2	700.2	698.2	698.2	698.2	697.8	697.8	698.2	698.2
32.5°	623.7	622.9	622.1	622.9	622.1	622.9	623.7	624.1	623.7	624.9	626.9
35°	539.3	538.9	540.1	538.5	540.1	538.9	539.3	539.3	540.9	542.5	542.9
37.5°	458.4	457.6	459.2	457.6	459.2	457.6	458.4	458.0	457.6	458.4	457.2
40°	381.6	382.4	382.4	385.6	382.4	382.4	381.6	380.8	378.0	376.4	374.8
42.5°	307.9	310.3	309.5	311.9	309.5	310.3	307.9	306.3	303.1	300.3	297.9
45°	238.2	239.8	239.8	240.6	239.8	239.8	238.2	236.6	233.8	231.4	229.8
47.5°	182.8	182.8	182.8	183.2	182.8	182.8	182.8	180.0	179.2	177.6	175.6
50°	139.0	139.4	139.8	140.2	139.8	139.4	139.0	138.2	137.8	137.0	136.6
52.5°	106.7	107.1	106.3	107.1	106.3	107.1	106.7	107.1	105.9	105.9	105.5
55°	80.9	80.5	80.9	81.2	80.9	80.5	80.9	80.9	80.5	80.5	80.5
57.5°	59.3	58.5	58.5	58.5	58.5	58.5	59.3	59.0	60.1	59.3	59.7
60°	44.2	44.6	44.6	45.0	44.6	44.6	44.2	45.0	45.0	45.4	45.4
62.5°	32.7	33.9	33.1	33.9	33.1	33.9	32.7	33.1	33.1	33.5	33.9
65°	21.1	21.1	21.1	21.5	21.1	21.1	21.1	21.5	21.9	21.5	22.7
67.5°	14.3	14.7	15.5	15.1	15.5	14.7	14.3	14.7	14.7	15.9	15.5
70°	11.6	10.4	10.4	11.6	10.4	10.4	11.6	10.8	10.4	11.1	10.8
72.5°	6.8	6.0	6.8	6.8	6.8	6.0	6.8	6.0	6.4	6.4	7.2
75°	3.6	3.2	2.8	4.0	2.8	3.2	3.6	3.6	3.6	3.6	4.0
77.5°	2.4	2.0	2.8	2.8	2.8	2.0	2.4	2.0	2.4	2.0	2.4
80°	1.2	1.6	1.2	2.0	1.2	1.6	1.2	2.0	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



TEST NUMBER: P245821

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	824.1	822.9	823.3	820.9	820.9	820.1	820.5	818.5	817.7	816.9	818.1
5°	836.0	834.0	832.4	828.8	826.8	824.5	823.3	820.1	817.3	814.9	814.5
7.5°	845.6	841.2	838.4	833.6	830.0	827.3	823.3	818.9	815.3	812.1	809.7
10°	849.6	845.2	840.8	834.8	830.8	825.7	821.7	816.1	811.3	806.9	804.1
12.5°	849.9	844.4	840.4	833.6	828.4	822.9	818.5	812.1	806.5	802.2	797.8
15°	846.4	841.2	836.4	829.2	824.1	818.9	813.7	806.9	801.8	796.6	793.4
17.5°	838.4	833.6	828.0	821.3	816.5	811.7	806.1	800.6	794.6	789.0	785.0
20°	828.0	822.9	818.1	811.3	807.3	802.2	797.0	791.0	786.2	780.6	776.3
22.5°	812.5	807.7	803.4	799.4	793.0	789.0	785.4	778.7	773.9	768.7	763.9
25°	790.2	785.4	781.8	777.1	774.3	769.9	766.3	760.3	756.0	751.2	747.2
27.5°	753.6	750.8	748.8	746.0	743.6	741.6	739.6	734.8	731.7	727.3	723.3
30°	698.6	698.2	697.0	695.8	697.4	697.4	697.4	696.6	693.8	690.6	687.8
32.5°	628.1	628.9	630.5	631.7	634.9	638.5	641.6	643.2	643.2	641.3	640.1
35°	544.1	545.3	547.7	550.8	554.8	559.2	566.4	568.0	569.2	569.2	567.6
37.5°	456.8	456.4	458.8	461.6	464.0	467.2	472.4	473.6	475.6	474.8	473.2
40°	372.0	370.0	369.2	370.0	372.8	371.6	372.8	372.0	372.0	369.2	369.2
42.5°	293.5	291.2	289.6	288.4	288.4	285.6	283.6	281.6	280.4	278.4	278.0
45°	226.2	223.4	221.5	220.6	219.5	215.9	213.5	211.1	208.3	207.5	207.9
47.5°	175.6	172.9	172.1	170.1	168.1	166.1	164.5	161.7	161.3	159.7	161.3
50°	135.4	134.6	133.4	132.6	131.4	129.8	128.3	126.7	125.9	125.9	126.3
52.5°	105.2	105.5	104.3	103.2	102.4	102.4	100.4	100.0	100.0	98.4	100.0
55°	80.5	80.1	80.5	79.7	79.7	78.5	78.5	77.3	77.3	76.1	76.9
57.5°	59.0	59.7	59.0	59.3	60.1	59.0	58.5	57.3	58.1	57.3	57.8
60°	45.8	45.8	45.8	45.4	45.4	45.0	45.0	44.6	44.6	43.8	44.6
62.5°	33.9	34.2	34.2	34.2	34.7	34.2	33.9	34.2	33.9	33.9	34.2
65°	22.3	22.7	22.7	22.3	23.1	22.3	22.7	23.1	23.5	23.1	23.5
67.5°	15.1	15.1	15.5	15.9	15.5	15.9	16.3	15.9	16.3	17.1	16.3
70°	11.1	11.6	11.6	11.1	10.8	11.1	10.8	12.0	12.0	12.0	12.7
72.5°	7.2	7.2	6.8	6.8	6.8	6.8	6.8	8.0	7.2	6.8	7.6
75°	4.0	4.4	4.4	3.2	3.6	4.4	3.2	3.6	4.8	4.0	4.8
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	3.2	2.8	2.8	2.8	3.2
80°	2.0	1.6	1.6	1.2	1.6	1.6	1.6	2.4	2.0	2.0	2.4
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



TEST NUMBER: P245821

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	814.9	814.9	814.5	813.7	812.1	812.1	811.7	810.5	809.7	809.3	809.3
5°	810.9	809.3	807.7	803.4	803.4	802.6	800.2	798.6	797.8	795.8	795.0
7.5°	807.3	802.6	799.8	797.0	793.4	791.8	789.0	787.8	785.0	783.0	781.8
10°	798.6	795.4	791.8	787.4	784.6	781.5	778.3	775.9	772.3	770.3	768.7
12.5°	792.6	787.8	784.6	779.8	775.1	772.3	767.9	765.1	761.5	757.6	755.2
15°	787.0	781.8	777.5	772.3	767.1	763.9	758.7	755.6	750.4	746.4	743.6
17.5°	778.7	774.3	769.5	763.1	758.4	754.4	748.8	744.8	740.0	734.8	732.1
20°	769.9	764.7	759.9	753.6	748.8	744.0	738.4	734.1	728.5	723.7	720.5
22.5°	758.4	752.4	748.4	742.0	736.4	731.3	726.1	720.9	715.7	711.7	708.2
25°	741.6	735.2	730.9	725.7	720.5	716.5	710.2	707.0	701.8	698.2	694.6
27.5°	717.7	712.9	709.0	703.8	699.4	696.2	691.4	688.3	683.9	680.7	677.9
30°	682.7	678.7	675.1	669.9	666.7	664.0	659.6	656.8	653.6	650.0	649.2
32.5°	635.7	632.5	628.9	625.3	622.9	621.3	617.7	616.2	613.0	611.0	609.0
35°	564.8	562.0	560.0	558.4	557.6	558.0	557.2	558.8	559.6	559.2	559.6
37.5°	472.0	470.4	471.2	472.4	476.4	481.5	486.3	493.5	498.3	503.1	507.4
40°	368.4	369.6	372.8	380.0	390.3	401.9	412.6	426.2	439.7	449.3	458.0
42.5°	278.0	281.6	289.6	299.9	315.5	332.6	349.3	369.2	385.6	401.5	412.6
45°	209.1	213.9	224.2	238.6	255.7	275.6	296.7	319.0	338.6	354.9	367.2
47.5°	162.9	167.3	177.6	192.8	213.9	234.6	256.5	279.6	299.9	315.8	326.6
50°	128.6	134.2	143.4	159.3	180.4	202.3	225.0	247.7	266.9	280.4	290.0
52.5°	101.2	106.3	115.1	131.8	153.3	175.3	196.4	218.7	235.4	248.5	254.9
55°	78.5	83.2	92.4	106.3	126.7	148.2	169.3	188.4	203.9	213.5	219.5
57.5°	59.7	63.3	69.7	83.6	102.0	121.9	139.8	158.9	170.9	177.6	181.6
60°	45.4	48.2	55.0	65.7	82.4	99.6	114.7	129.1	138.6	144.2	148.2
62.5°	34.2	37.4	42.2	51.4	64.1	78.1	90.8	101.6	109.5	113.1	115.9
65°	23.5	25.9	29.5	36.6	47.4	57.3	67.3	75.3	80.5	84.4	86.0
67.5°	17.5	19.1	21.1	26.7	34.2	42.2	49.0	54.6	60.1	61.7	64.5
70°	13.1	14.3	16.3	20.3	24.7	30.3	35.9	39.0	43.0	45.8	46.6
72.5°	8.4	8.8	10.8	13.1	16.7	20.3	23.9	26.7	29.1	30.7	31.5
75°	4.8	7.2	7.2	9.6	12.0	13.5	15.9	17.9	19.1	20.3	20.3
77.5°	3.2	4.4	4.8	6.0	7.2	9.2	11.1	12.3	13.5	13.9	13.9
80°	2.8	3.2	3.2	4.4	5.2	6.8	8.0	8.4	9.2	9.6	10.4
82.5°	1.2	1.6	2.0	3.2	3.6	3.6	4.8	5.2	6.0	6.4	6.4
85°	0.4	0.8	0.8	1.2	2.0	2.4	2.8	3.2	3.6	3.6	4.0
87.5°	0.4	0.4	0.0	0.4	0.8	0.8	1.6	1.6	1.6	2.4	2.4
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: P245821

CATALOG NUMBER: LD8B15D010 ER8B15830 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	815.7	815.7	815.7	815.7	815.7	815.7	815.7
2.5°	808.5	808.9	807.3	806.9	806.1	806.5	807.3
5°	793.8	794.2	792.6	791.0	791.0	790.6	791.0
7.5°	779.8	780.3	777.9	777.1	775.5	775.9	775.9
10°	765.9	765.9	762.3	761.9	760.7	760.3	760.3
12.5°	752.4	751.2	748.4	746.8	747.6	745.2	745.2
15°	740.4	738.4	734.8	733.6	731.7	730.9	730.9
17.5°	728.1	726.5	723.3	720.9	718.5	718.1	718.5
20°	716.1	714.5	710.5	709.0	707.0	707.0	706.2
22.5°	704.2	702.6	699.0	697.8	695.0	695.0	695.4
25°	691.8	690.6	686.6	685.9	685.5	683.9	684.7
27.5°	675.1	674.3	671.1	669.9	668.3	667.9	668.7
30°	644.4	643.2	640.9	639.7	636.9	637.3	638.1
32.5°	606.2	604.6	601.4	600.2	597.8	597.0	597.4
35°	558.4	557.2	554.4	554.4	552.0	551.2	552.0
37.5°	509.8	511.0	509.8	511.0	509.8	509.4	509.8
40°	464.0	468.4	469.2	473.6	472.0	474.4	474.0
42.5°	420.2	427.4	430.2	433.7	432.9	434.5	435.7
45°	376.0	382.0	384.8	387.1	387.5	388.3	388.7
47.5°	334.2	338.9	339.3	342.1	341.7	341.7	342.9
50°	295.1	298.3	299.1	301.1	299.5	298.7	299.1
52.5°	258.9	262.1	261.3	262.1	260.1	259.3	259.7
55°	221.8	223.4	223.4	223.4	221.1	221.1	221.1
57.5°	184.0	184.4	183.6	184.0	183.6	181.2	180.8
60°	149.4	149.4	149.0	149.4	148.2	147.0	147.0
62.5°	116.7	117.5	119.1	117.5	116.7	117.5	116.3
65°	87.2	88.8	88.4	89.2	88.8	88.8	88.0
67.5°	65.7	66.1	66.5	66.9	66.9	66.9	66.9
70°	48.2	49.4	49.0	49.0	49.0	49.0	51.4
72.5°	32.3	33.9	33.5	34.2	34.2	35.1	34.2
75°	21.9	23.5	22.7	23.9	23.5	22.7	24.7
77.5°	14.7	15.5	15.9	16.3	15.9	15.5	15.9
80°	10.4	11.1	10.8	11.1	11.1	11.1	11.6
82.5°	6.4	7.6	7.2	7.6	7.2	7.6	7.6
85°	4.4	4.8	4.0	4.8	4.4	4.4	5.2
87.5°	2.8	2.4	2.4	2.8	2.4	2.8	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)