

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: P244573

Luminaire Tested: **LD8B15D010 ER8B15950 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244573
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 ER8B15950 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1424.0 lumens
Efficiency: N/A
Efficacy: 98.9 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

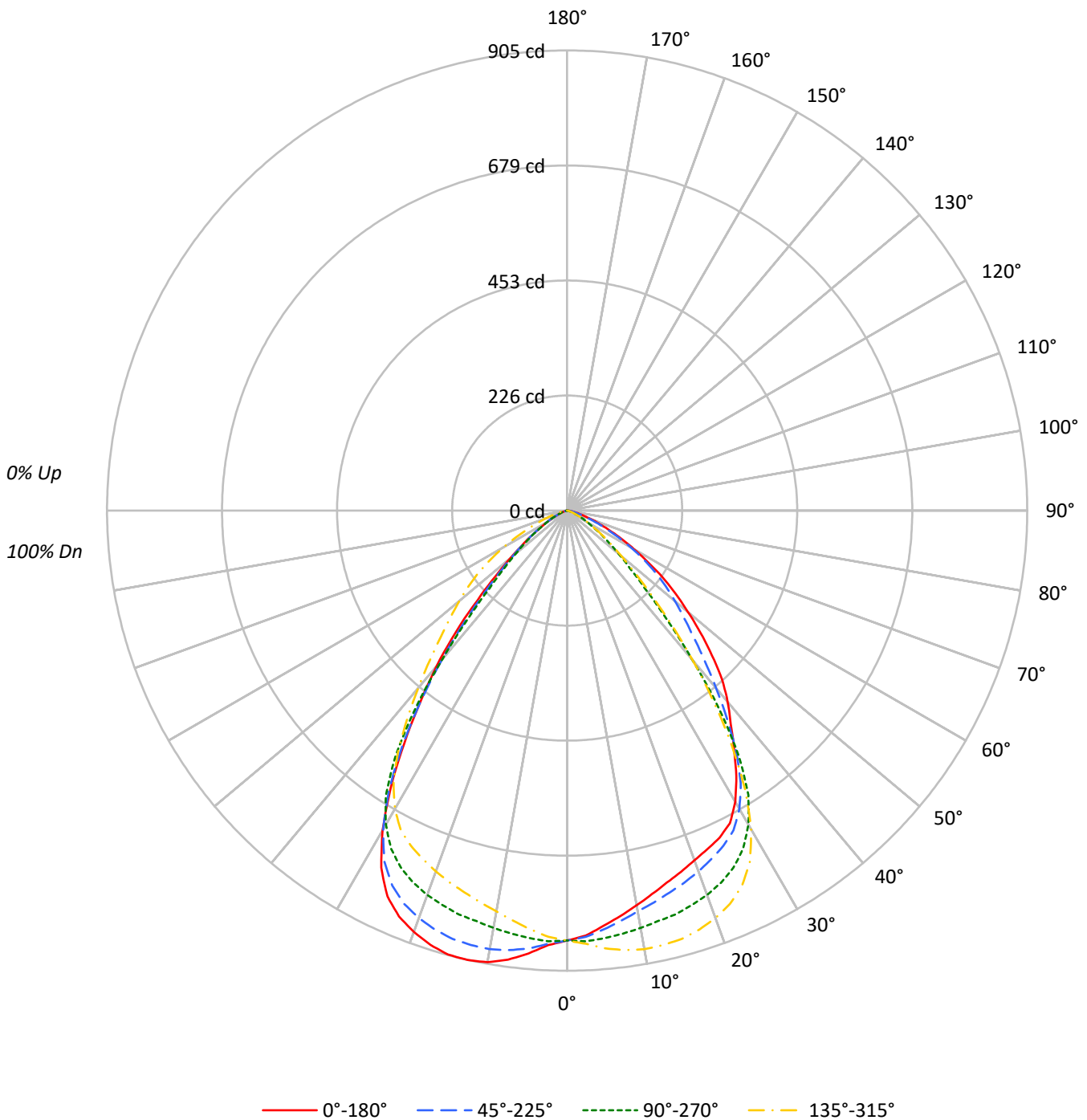
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

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°	26069	26069	26069	26069
5°	25376	26128	27063	26128
10°	24674	26095	28240	26095
15°	24183	26251	28859	26251
20°	24018	26400	28933	26400
25°	24144	26348	28468	26348
30°	23547	25384	25840	25384
35°	21536	22142	21009	22142
40°	19773	15401	16085	15401
45°	17570	9398	10872	9398
50°	14872	6275	6970	6275
55°	12317	4285	4527	4285
60°	9393	2849	2874	2849
65°	6654	1773	1627	1773
70°	4796	1190	1082	1190
75°	3050	596	488	596
80°	2131	444	373	444
85°	1911	0	142	0



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	5.7
10°-20°	233.0	16.4
20°-30°	352.8	24.8
30°-40°	353.6	24.8
40°-50°	222.1	15.6
50°-60°	118.3	8.3
60°-70°	48.7	3.4
70°-80°	12.9	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
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0°-30°	666.3	46.8
0°-40°	1019.9	71.6
0°-60°	1360.3	95.5
0°-90°	1424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	845	845	845	845	845	
5°	820	844	874	844	820	77
15°	758	822	904	822	758	214
25°	710	774	837	774	710	325
35°	572	588	558	588	572	358
45°	403	216	249	216	403	310
55°	229	80	84	80	229	204
65°	91	24	22	24	91	95
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°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	836.7	835.9	835.5	836.3	836.7	838.4	838.0	838.8	838.8	839.2	840.0
5°	819.8	819.4	819.8	819.8	821.4	823.1	822.7	823.9	824.7	826.8	827.6
7.5°	804.1	804.1	803.7	805.3	806.2	808.7	808.2	810.3	811.5	813.6	816.5
10°	788.0	788.0	788.4	789.7	790.1	793.8	793.8	796.7	798.3	800.4	804.1
12.5°	772.3	772.3	774.8	774.0	775.6	778.5	779.7	782.6	785.1	789.2	793.0
15°	757.5	757.5	758.3	760.3	761.6	765.3	767.4	770.7	773.6	777.7	783.1
17.5°	744.7	744.3	744.7	747.1	749.6	752.9	754.6	758.7	761.6	767.0	771.9
20°	731.9	732.7	732.7	734.8	736.4	740.5	742.2	746.7	750.0	755.0	760.8
22.5°	720.7	720.3	720.3	723.2	724.4	728.1	729.8	733.9	737.6	741.8	747.1
25°	709.6	708.7	710.4	710.8	711.6	715.8	717.0	719.9	723.6	727.3	732.7
27.5°	693.1	692.2	692.7	694.3	695.5	698.8	699.7	702.6	705.4	708.7	713.3
30°	661.3	660.5	660.1	662.9	664.2	666.6	667.9	672.8	673.7	677.4	680.7
32.5°	619.2	618.8	619.6	622.1	623.3	626.6	628.3	631.1	633.2	635.3	638.6
35°	572.1	571.3	572.1	574.6	574.6	577.5	578.7	580.0	579.5	580.0	579.1
37.5°	528.4	527.9	528.4	529.6	528.4	529.6	528.4	525.9	521.4	516.4	511.4
40°	491.2	491.6	489.2	490.8	486.3	485.4	480.9	474.7	465.6	455.7	441.7
42.5°	451.6	450.4	448.7	449.5	445.8	442.9	435.5	427.7	416.1	399.6	382.6
45°	402.9	402.5	401.6	401.2	398.8	395.9	389.7	380.6	367.8	350.9	330.6
47.5°	355.4	354.2	354.2	354.6	351.7	351.3	346.3	338.5	327.3	310.8	289.8
50°	310.0	309.6	310.4	312.1	310.0	309.2	305.9	300.5	290.6	276.6	256.7
52.5°	269.1	268.7	269.6	271.6	270.8	271.6	268.3	264.2	257.6	244.0	226.6
55°	229.1	229.1	229.1	231.6	231.6	231.6	229.9	227.5	221.3	211.3	195.3
57.5°	187.4	187.8	190.3	190.7	190.3	191.1	190.7	188.2	184.1	177.1	164.7
60°	152.3	152.3	153.6	154.8	154.4	154.8	154.8	153.6	149.4	143.7	133.7
62.5°	120.5	121.8	120.9	121.8	123.4	121.8	120.9	120.1	117.2	113.5	105.3
65°	91.2	92.1	92.1	92.5	91.6	92.1	90.4	89.2	87.5	83.4	78.0
67.5°	69.4	69.4	69.4	69.4	68.9	68.5	68.1	66.9	64.0	62.3	56.5
70°	53.2	50.8	50.8	50.8	50.8	51.2	50.0	48.3	47.5	44.6	40.5
72.5°	35.5	36.3	35.5	35.5	34.7	35.1	33.4	32.6	31.8	30.1	27.7
75°	25.6	23.5	24.3	24.8	23.5	24.3	22.7	21.1	21.1	19.8	18.6
77.5°	16.5	16.1	16.5	16.9	16.5	16.1	15.3	14.4	14.4	14.0	12.8
80°	12.0	11.6	11.6	11.6	11.1	11.6	10.7	10.7	9.9	9.5	8.7
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	5.0	4.1	5.0	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



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	841.3	841.7	841.7	843.3	844.1	844.6	844.6	847.9	846.6	847.5	848.3
5°	829.3	831.8	832.6	832.6	837.1	838.8	840.4	844.1	844.6	847.0	849.9
7.5°	817.7	820.6	822.3	826.0	828.9	831.8	836.7	839.2	841.7	845.0	848.7
10°	806.6	809.9	813.2	816.1	820.6	824.3	827.6	833.4	836.3	840.8	845.8
12.5°	795.9	800.4	803.3	808.2	813.2	816.5	821.4	826.8	831.3	835.9	841.7
15°	786.4	791.7	795.0	800.4	805.8	810.3	815.7	822.3	825.6	830.9	836.3
17.5°	776.0	781.8	786.0	790.9	797.5	802.4	807.0	813.6	817.7	823.5	829.7
20°	765.3	771.1	776.0	781.0	787.6	792.5	797.9	804.5	809.1	814.8	819.8
22.5°	752.5	757.9	763.2	769.0	775.6	779.7	786.0	791.7	796.7	802.0	807.0
25°	736.0	742.6	746.7	752.1	757.5	762.0	768.6	774.4	778.5	783.5	788.0
27.5°	716.6	721.6	724.9	729.4	734.8	738.9	743.8	749.6	753.8	758.3	761.6
30°	683.6	688.1	691.0	694.3	699.7	703.4	707.5	712.9	715.8	719.1	722.0
32.5°	640.2	643.9	645.6	648.1	651.8	655.5	658.8	663.3	664.6	666.6	666.6
35°	577.5	578.3	577.9	578.7	580.4	582.4	585.3	588.2	589.9	589.9	588.6
37.5°	504.0	499.1	493.7	489.6	488.3	487.5	489.2	490.4	492.0	492.9	490.8
40°	427.7	416.5	404.5	393.8	386.4	383.1	381.8	382.6	382.6	385.5	385.5
42.5°	362.0	344.7	326.9	310.8	300.1	291.8	288.1	288.1	288.5	290.6	291.8
45°	307.5	285.6	265.0	247.3	232.4	221.7	216.7	215.5	215.1	215.9	218.8
47.5°	265.8	243.1	221.7	199.8	184.1	173.4	168.8	167.2	165.5	167.2	167.6
50°	233.2	209.7	187.0	165.1	148.6	139.1	133.3	130.8	130.4	130.4	131.3
52.5°	203.5	181.6	158.9	136.6	119.3	110.2	104.8	103.6	102.0	103.6	103.6
55°	175.4	153.6	131.3	110.2	95.8	86.3	81.3	79.7	78.8	80.1	80.1
57.5°	144.9	126.3	105.7	86.7	72.2	65.6	61.9	59.9	59.4	60.3	59.4
60°	118.9	103.2	85.4	68.1	57.0	50.0	47.1	46.2	45.4	46.2	46.2
62.5°	94.1	80.9	66.5	53.2	43.8	38.8	35.5	35.5	35.1	35.1	35.5
65°	69.8	59.4	49.1	38.0	30.5	26.8	24.3	24.3	23.9	24.3	23.9
67.5°	50.8	43.8	35.5	27.7	21.9	19.8	18.2	16.9	17.8	16.9	16.5
70°	37.2	31.4	25.6	21.1	16.9	14.9	13.6	13.2	12.4	12.4	12.4
72.5°	24.8	21.1	17.3	13.6	11.1	9.1	8.7	7.8	7.0	7.4	8.3
75°	16.5	14.0	12.4	9.9	7.4	7.4	5.0	5.0	4.1	5.0	3.7
77.5°	11.6	9.5	7.4	6.2	5.0	4.5	3.3	3.3	2.9	2.9	2.9
80°	8.3	7.0	5.4	4.5	3.3	3.3	2.9	2.5	2.1	2.1	2.5
82.5°	5.0	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



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	850.3	849.9	850.8	850.8	853.2	852.8	854.0	854.0	853.2	853.6	855.3
5°	853.2	854.5	856.9	859.0	862.7	864.4	866.4	868.5	868.9	870.2	871.4
7.5°	853.2	857.4	860.3	864.0	868.9	871.8	876.3	880.1	881.7	883.8	886.2
10°	851.6	855.7	861.1	865.2	871.4	875.9	880.5	886.2	888.7	892.0	895.3
12.5°	848.3	852.8	858.6	864.0	871.0	875.1	880.9	886.2	890.0	894.5	898.2
15°	843.3	848.7	854.0	859.4	866.8	871.8	877.2	883.4	887.1	892.0	895.3
17.5°	835.5	841.3	846.2	851.2	858.2	864.0	868.9	874.7	878.4	882.5	887.1
20°	826.0	831.3	836.7	840.8	847.9	852.8	858.2	863.5	866.4	867.3	874.3
22.5°	814.0	817.7	821.9	828.5	832.6	837.1	842.1	847.0	849.9	854.5	856.9
25°	794.2	797.9	802.4	805.3	810.3	814.0	819.0	824.3	826.0	829.3	831.8
27.5°	766.5	768.6	770.7	773.1	776.0	778.1	781.0	783.5	785.1	786.8	788.4
30°	722.8	722.8	722.8	721.1	722.4	723.6	724.0	723.6	723.6	723.2	723.2
32.5°	665.0	661.7	658.0	654.7	653.4	651.8	651.0	649.7	647.7	646.4	646.8
35°	587.0	579.5	575.0	570.9	567.6	565.1	563.9	562.6	562.2	560.6	558.9
37.5°	489.6	484.2	480.9	478.4	475.5	473.1	473.5	473.9	475.1	474.3	474.7
40°	386.4	385.1	386.4	383.5	382.6	383.5	385.5	388.4	390.1	391.7	394.6
42.5°	293.9	296.0	298.9	298.9	300.1	301.8	304.2	308.8	311.2	314.1	317.4
45°	221.3	223.7	227.5	228.7	229.5	231.6	234.5	238.2	239.8	242.3	245.2
47.5°	170.5	172.1	174.2	176.3	178.3	179.1	182.0	182.0	184.1	185.8	186.6
50°	132.9	134.6	136.2	137.5	138.3	139.5	140.3	141.6	142.0	142.8	143.2
52.5°	104.0	106.1	106.1	106.9	108.1	109.4	109.0	109.4	109.8	109.8	111.0
55°	81.3	81.3	82.6	82.6	83.4	83.0	83.4	83.4	83.4	83.4	83.8
57.5°	60.7	61.1	62.3	61.5	61.1	61.9	61.1	61.9	61.5	62.3	61.1
60°	46.6	46.6	47.1	47.1	47.5	47.5	47.5	47.1	47.1	46.6	46.6
62.5°	35.1	35.5	35.9	35.5	35.5	35.5	35.1	35.1	34.7	34.3	34.3
65°	23.5	23.1	23.9	23.1	23.5	23.5	23.1	23.5	22.3	22.7	22.3
67.5°	16.9	16.5	16.1	16.5	16.1	15.7	15.7	16.1	16.5	15.3	15.3
70°	11.1	11.6	11.1	11.6	12.0	12.0	11.6	11.1	11.6	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



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	854.9	854.5	854.9	855.3	854.9	854.5	854.9	855.3	853.6	853.2	854.0
5°	873.0	873.0	873.9	874.3	873.9	873.0	873.0	871.4	870.2	868.9	868.5
7.5°	888.7	889.6	890.4	890.8	890.4	889.6	888.7	886.2	883.8	881.7	880.1
10°	898.2	899.5	901.1	901.9	901.1	899.5	898.2	895.3	892.0	888.7	886.2
12.5°	902.4	903.6	905.6	905.2	905.6	903.6	902.4	898.2	894.5	890.0	886.2
15°	899.5	901.1	903.2	904.0	903.2	901.1	899.5	895.3	892.0	887.1	883.4
17.5°	890.4	892.9	894.1	895.3	894.1	892.9	890.4	887.1	882.5	878.4	874.7
20°	878.0	879.7	881.3	881.7	881.3	879.7	878.0	874.3	867.3	866.4	863.5
22.5°	860.3	861.5	865.2	864.0	865.2	861.5	860.3	856.9	854.5	849.9	847.0
25°	834.6	835.9	836.3	836.7	836.3	835.9	834.6	831.8	829.3	826.0	824.3
27.5°	790.5	790.5	791.3	791.7	791.3	790.5	790.5	788.4	786.8	785.1	783.5
30°	723.6	723.6	723.6	725.7	723.6	723.6	723.6	723.2	723.2	723.6	723.6
32.5°	646.4	645.6	644.8	645.6	644.8	645.6	646.4	646.8	646.4	647.7	649.7
35°	558.9	558.5	559.7	558.1	559.7	558.5	558.9	558.9	560.6	562.2	562.6
37.5°	475.1	474.3	475.9	474.3	475.9	474.3	475.1	474.7	474.3	475.1	473.9
40°	395.5	396.3	396.3	399.6	396.3	396.3	395.5	394.6	391.7	390.1	388.4
42.5°	319.1	321.6	320.7	323.2	320.7	321.6	319.1	317.4	314.1	311.2	308.8
45°	246.8	248.5	248.5	249.3	248.5	248.5	246.8	245.2	242.3	239.8	238.2
47.5°	189.5	189.5	189.5	189.9	189.5	189.5	189.5	186.6	185.8	184.1	182.0
50°	144.1	144.5	144.9	145.3	144.9	144.5	144.1	143.2	142.8	142.0	141.6
52.5°	110.6	111.0	110.2	111.0	110.2	111.0	110.6	111.0	109.8	109.8	109.4
55°	83.8	83.4	83.8	84.2	83.8	83.4	83.8	83.8	83.4	83.4	83.4
57.5°	61.5	60.7	60.7	60.7	60.7	60.7	61.5	61.1	62.3	61.5	61.9
60°	45.8	46.2	46.2	46.6	46.2	46.2	45.8	46.6	46.6	47.1	47.1
62.5°	33.8	35.1	34.3	35.1	34.3	35.1	33.8	34.3	34.3	34.7	35.1
65°	21.9	21.9	21.9	22.3	21.9	21.9	21.9	22.3	22.7	22.3	23.5
67.5°	14.9	15.3	16.1	15.7	16.1	15.3	14.9	15.3	15.3	16.5	16.1
70°	12.0	10.7	10.7	12.0	10.7	10.7	12.0	11.1	10.7	11.6	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



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	854.0	852.8	853.2	850.8	850.8	849.9	850.3	848.3	847.5	846.6	847.9
5°	866.4	864.4	862.7	859.0	856.9	854.5	853.2	849.9	847.0	844.6	844.1
7.5°	876.3	871.8	868.9	864.0	860.3	857.4	853.2	848.7	845.0	841.7	839.2
10°	880.5	875.9	871.4	865.2	861.1	855.7	851.6	845.8	840.8	836.3	833.4
12.5°	880.9	875.1	871.0	864.0	858.6	852.8	848.3	841.7	835.9	831.3	826.8
15°	877.2	871.8	866.8	859.4	854.0	848.7	843.3	836.3	830.9	825.6	822.3
17.5°	868.9	864.0	858.2	851.2	846.2	841.3	835.5	829.7	823.5	817.7	813.6
20°	858.2	852.8	847.9	840.8	836.7	831.3	826.0	819.8	814.8	809.1	804.5
22.5°	842.1	837.1	832.6	828.5	821.9	817.7	814.0	807.0	802.0	796.7	791.7
25°	819.0	814.0	810.3	805.3	802.4	797.9	794.2	788.0	783.5	778.5	774.4
27.5°	781.0	778.1	776.0	773.1	770.7	768.6	766.5	761.6	758.3	753.8	749.6
30°	724.0	723.6	722.4	721.1	722.8	722.8	722.8	722.0	719.1	715.8	712.9
32.5°	651.0	651.8	653.4	654.7	658.0	661.7	665.0	666.6	666.6	664.6	663.3
35°	563.9	565.1	567.6	570.9	575.0	579.5	587.0	588.6	589.9	589.9	588.2
37.5°	473.5	473.1	475.5	478.4	480.9	484.2	489.6	490.8	492.9	492.0	490.4
40°	385.5	383.5	382.6	383.5	386.4	385.1	386.4	385.5	385.5	382.6	382.6
42.5°	304.2	301.8	300.1	298.9	298.9	296.0	293.9	291.8	290.6	288.5	288.1
45°	234.5	231.6	229.5	228.7	227.5	223.7	221.3	218.8	215.9	215.1	215.5
47.5°	182.0	179.1	178.3	176.3	174.2	172.1	170.5	167.6	167.2	165.5	167.2
50°	140.3	139.5	138.3	137.5	136.2	134.6	132.9	131.3	130.4	130.4	130.8
52.5°	109.0	109.4	108.1	106.9	106.1	106.1	104.0	103.6	103.6	102.0	103.6
55°	83.4	83.0	83.4	82.6	82.6	81.3	81.3	80.1	80.1	78.8	79.7
57.5°	61.1	61.9	61.1	61.5	62.3	61.1	60.7	59.4	60.3	59.4	59.9
60°	47.5	47.5	47.5	47.1	47.1	46.6	46.6	46.2	46.2	45.4	46.2
62.5°	35.1	35.5	35.5	35.5	35.9	35.5	35.1	35.5	35.1	35.1	35.5
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°	15.7	15.7	16.1	16.5	16.1	16.5	16.9	16.5	16.9	17.8	16.9
70°	11.6	12.0	12.0	11.6	11.1	11.6	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	8.3	7.4	7.0	7.8
75°	4.1	4.5	4.5	3.3	3.7	4.5	3.3	3.7	5.0	4.1	5.0
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



TEST NUMBER: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	844.6	844.6	844.1	843.3	841.7	841.7	841.3	840.0	839.2	838.8	838.8
5°	840.4	838.8	837.1	832.6	832.6	831.8	829.3	827.6	826.8	824.7	823.9
7.5°	836.7	831.8	828.9	826.0	822.3	820.6	817.7	816.5	813.6	811.5	810.3
10°	827.6	824.3	820.6	816.1	813.2	809.9	806.6	804.1	800.4	798.3	796.7
12.5°	821.4	816.5	813.2	808.2	803.3	800.4	795.9	793.0	789.2	785.1	782.6
15°	815.7	810.3	805.8	800.4	795.0	791.7	786.4	783.1	777.7	773.6	770.7
17.5°	807.0	802.4	797.5	790.9	786.0	781.8	776.0	771.9	767.0	761.6	758.7
20°	797.9	792.5	787.6	781.0	776.0	771.1	765.3	760.8	755.0	750.0	746.7
22.5°	786.0	779.7	775.6	769.0	763.2	757.9	752.5	747.1	741.8	737.6	733.9
25°	768.6	762.0	757.5	752.1	746.7	742.6	736.0	732.7	727.3	723.6	719.9
27.5°	743.8	738.9	734.8	729.4	724.9	721.6	716.6	713.3	708.7	705.4	702.6
30°	707.5	703.4	699.7	694.3	691.0	688.1	683.6	680.7	677.4	673.7	672.8
32.5°	658.8	655.5	651.8	648.1	645.6	643.9	640.2	638.6	635.3	633.2	631.1
35°	585.3	582.4	580.4	578.7	577.9	578.3	577.5	579.1	580.0	579.5	580.0
37.5°	489.2	487.5	488.3	489.6	493.7	499.1	504.0	511.4	516.4	521.4	525.9
40°	381.8	383.1	386.4	393.8	404.5	416.5	427.7	441.7	455.7	465.6	474.7
42.5°	288.1	291.8	300.1	310.8	326.9	344.7	362.0	382.6	399.6	416.1	427.7
45°	216.7	221.7	232.4	247.3	265.0	285.6	307.5	330.6	350.9	367.8	380.6
47.5°	168.8	173.4	184.1	199.8	221.7	243.1	265.8	289.8	310.8	327.3	338.5
50°	133.3	139.1	148.6	165.1	187.0	209.7	233.2	256.7	276.6	290.6	300.5
52.5°	104.8	110.2	119.3	136.6	158.9	181.6	203.5	226.6	244.0	257.6	264.2
55°	81.3	86.3	95.8	110.2	131.3	153.6	175.4	195.3	211.3	221.3	227.5
57.5°	61.9	65.6	72.2	86.7	105.7	126.3	144.9	164.7	177.1	184.1	188.2
60°	47.1	50.0	57.0	68.1	85.4	103.2	118.9	133.7	143.7	149.4	153.6
62.5°	35.5	38.8	43.8	53.2	66.5	80.9	94.1	105.3	113.5	117.2	120.1
65°	24.3	26.8	30.5	38.0	49.1	59.4	69.8	78.0	83.4	87.5	89.2
67.5°	18.2	19.8	21.9	27.7	35.5	43.8	50.8	56.5	62.3	64.0	66.9
70°	13.6	14.9	16.9	21.1	25.6	31.4	37.2	40.5	44.6	47.5	48.3
72.5°	8.7	9.1	11.1	13.6	17.3	21.1	24.8	27.7	30.1	31.8	32.6
75°	5.0	7.4	7.4	9.9	12.4	14.0	16.5	18.6	19.8	21.1	21.1
77.5°	3.3	4.5	5.0	6.2	7.4	9.5	11.6	12.8	14.0	14.4	14.4
80°	2.9	3.3	3.3	4.5	5.4	7.0	8.3	8.7	9.5	9.9	10.7
82.5°	1.2	1.6	2.1	3.3	3.7	3.7	5.0	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: P244573

CATALOG NUMBER: LD8B15D010 ER8B15950 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	838.0	838.4	836.7	836.3	835.5	835.9	836.7
5°	822.7	823.1	821.4	819.8	819.8	819.4	819.8
7.5°	808.2	808.7	806.2	805.3	803.7	804.1	804.1
10°	793.8	793.8	790.1	789.7	788.4	788.0	788.0
12.5°	779.7	778.5	775.6	774.0	774.8	772.3	772.3
15°	767.4	765.3	761.6	760.3	758.3	757.5	757.5
17.5°	754.6	752.9	749.6	747.1	744.7	744.3	744.7
20°	742.2	740.5	736.4	734.8	732.7	732.7	731.9
22.5°	729.8	728.1	724.4	723.2	720.3	720.3	720.7
25°	717.0	715.8	711.6	710.8	710.4	708.7	709.6
27.5°	699.7	698.8	695.5	694.3	692.7	692.2	693.1
30°	667.9	666.6	664.2	662.9	660.1	660.5	661.3
32.5°	628.3	626.6	623.3	622.1	619.6	618.8	619.2
35°	578.7	577.5	574.6	574.6	572.1	571.3	572.1
37.5°	528.4	529.6	528.4	529.6	528.4	527.9	528.4
40°	480.9	485.4	486.3	490.8	489.2	491.6	491.2
42.5°	435.5	442.9	445.8	449.5	448.7	450.4	451.6
45°	389.7	395.9	398.8	401.2	401.6	402.5	402.9
47.5°	346.3	351.3	351.7	354.6	354.2	354.2	355.4
50°	305.9	309.2	310.0	312.1	310.4	309.6	310.0
52.5°	268.3	271.6	270.8	271.6	269.6	268.7	269.1
55°	229.9	231.6	231.6	231.6	229.1	229.1	229.1
57.5°	190.7	191.1	190.3	190.7	190.3	187.8	187.4
60°	154.8	154.8	154.4	154.8	153.6	152.3	152.3
62.5°	120.9	121.8	123.4	121.8	120.9	121.8	120.5
65°	90.4	92.1	91.6	92.5	92.1	92.1	91.2
67.5°	68.1	68.5	68.9	69.4	69.4	69.4	69.4
70°	50.0	51.2	50.8	50.8	50.8	50.8	53.2
72.5°	33.4	35.1	34.7	35.5	35.5	36.3	35.5
75°	22.7	24.3	23.5	24.8	24.3	23.5	25.6
77.5°	15.3	16.1	16.5	16.9	16.5	16.1	16.5
80°	10.7	11.6	11.1	11.6	11.6	11.6	12.0
82.5°	6.6	7.8	7.4	7.8	7.4	7.8	7.8
85°	4.5	5.0	4.1	5.0	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)