

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: P248963

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248963
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: LD8B175D010 ER8B1759727 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9762.0 lumens
Efficiency: N/A
Efficacy: 55.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

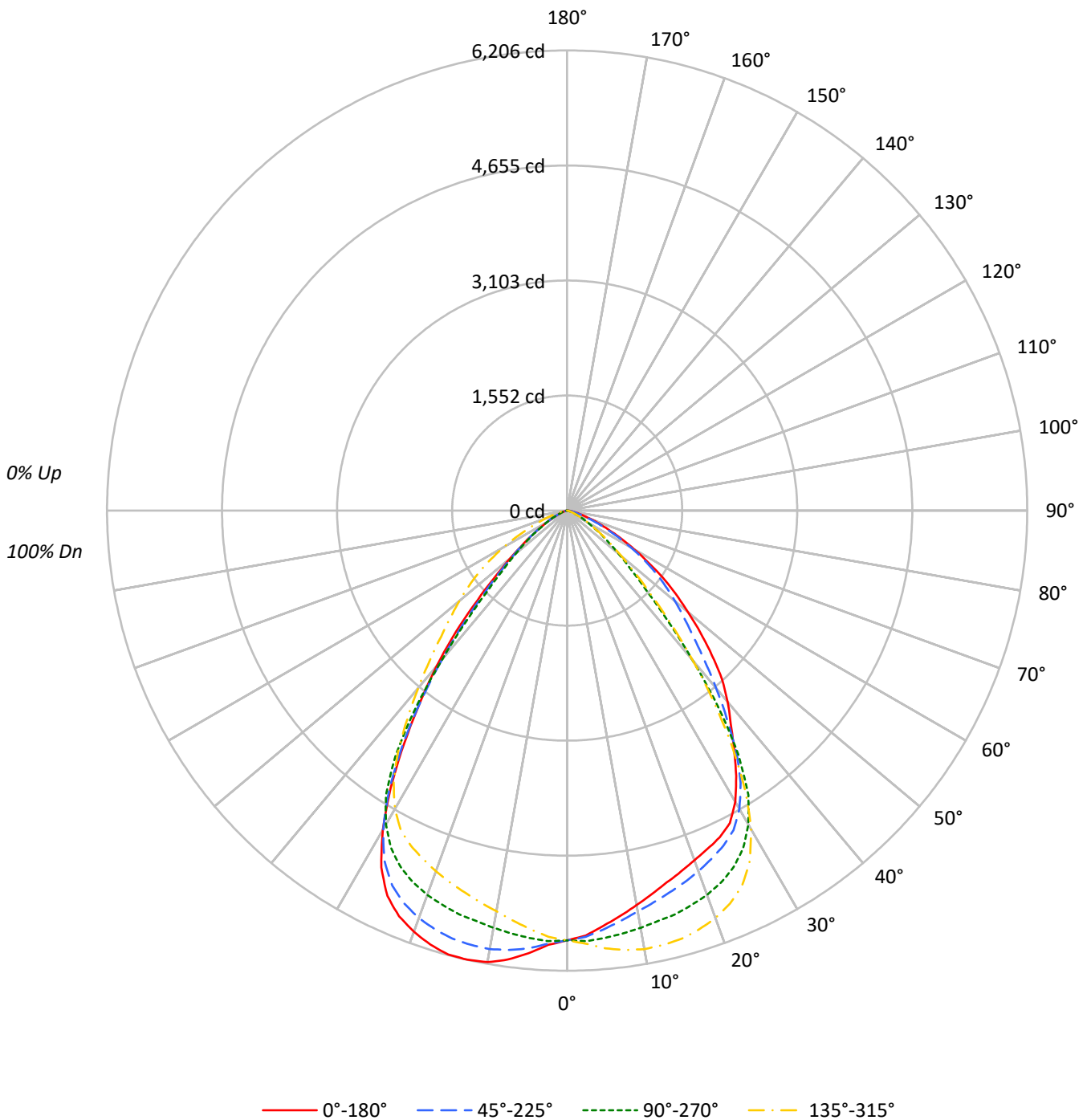
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.6	5.7
10°-20°	1597.4	16.4
20°-30°	2418.8	24.8
30°-40°	2424.2	24.8
40°-50°	1522.3	15.6
50°-60°	811.2	8.3
60°-70°	333.6	3.4
70°-80°	88.1	0.9
80°-90°	14.9	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°	4567.7	46.8
0°-40°	6991.9	71.6
0°-60°	9325.4	95.5
0°-90°	9762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9762.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5795	5795	5795	5795	5795	
5°	5620	5787	5994	5787	5620	530
15°	5193	5637	6197	5637	5193	1469
25°	4864	5309	5736	5309	4864	2231
35°	3922	4032	3826	4032	3922	2457
45°	2762	1477	1709	1477	2762	2124
55°	1571	546	577	546	1571	1400
65°	625	167	153	167	625	649
75°	175	34	28	34	175	199
85°	37	0	3	0	37	40
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°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5736.0	5730.3	5727.5	5733.2	5736.0	5747.3	5744.5	5750.1	5750.1	5753.0	5758.6
5°	5620.0	5617.1	5620.0	5620.0	5631.3	5642.6	5639.8	5648.3	5653.9	5668.1	5673.7
7.5°	5512.5	5512.5	5509.6	5520.9	5526.6	5543.6	5540.7	5554.9	5563.4	5577.5	5597.3
10°	5402.1	5402.1	5404.8	5413.3	5416.3	5441.7	5441.7	5461.5	5472.8	5487.0	5512.5
12.5°	5294.5	5294.5	5311.5	5305.8	5317.1	5336.9	5345.4	5365.2	5382.2	5410.6	5436.1
15°	5192.6	5192.6	5198.3	5212.4	5220.9	5246.4	5260.5	5283.2	5303.0	5331.3	5368.2
17.5°	5104.9	5102.1	5104.9	5121.9	5138.9	5161.5	5172.8	5201.1	5220.9	5257.7	5291.7
20°	5017.2	5022.9	5022.9	5037.0	5048.3	5076.6	5087.9	5119.1	5141.7	5175.6	5215.3
22.5°	4940.8	4938.0	4938.0	4957.8	4966.3	4991.7	5003.0	5031.3	5056.8	5085.1	5121.9
25°	4864.4	4858.7	4870.1	4872.9	4878.5	4906.8	4915.3	4935.1	4960.6	4986.1	5022.9
27.5°	4751.2	4745.6	4748.4	4759.7	4768.2	4790.8	4796.5	4816.3	4836.1	4858.7	4889.9
30°	4533.3	4527.7	4524.9	4544.7	4553.2	4570.1	4578.6	4612.6	4618.2	4643.7	4666.3
32.5°	4244.6	4241.8	4247.5	4264.4	4272.9	4295.6	4306.9	4326.7	4340.8	4355.0	4377.6
35°	3922.1	3916.4	3922.1	3939.1	3939.1	3958.9	3967.4	3975.8	3973.0	3975.8	3970.2
37.5°	3622.2	3619.3	3622.2	3630.6	3622.2	3630.6	3622.2	3605.2	3574.1	3540.1	3506.1
40°	3367.4	3370.2	3353.4	3364.6	3333.4	3327.8	3296.7	3254.2	3192.0	3124.1	3027.9
42.5°	3095.8	3087.3	3076.0	3081.6	3056.2	3036.3	2985.4	2931.7	2852.4	2739.3	2623.2
45°	2761.9	2759.1	2753.4	2750.6	2733.6	2713.8	2671.3	2609.1	2521.4	2405.4	2266.6
47.5°	2436.4	2427.9	2427.9	2430.7	2410.9	2408.1	2374.1	2320.4	2244.0	2130.8	1986.5
50°	2125.1	2122.3	2128.0	2139.3	2125.1	2119.5	2096.9	2060.1	1992.2	1896.0	1760.1
52.5°	1845.0	1842.2	1847.9	1862.0	1856.3	1862.0	1839.4	1811.1	1765.8	1672.4	1553.6
55°	1570.6	1570.6	1570.6	1587.5	1587.5	1587.5	1576.2	1559.3	1516.8	1448.8	1338.5
57.5°	1284.7	1287.5	1304.5	1307.3	1304.5	1310.2	1307.3	1290.3	1262.1	1214.0	1129.1
60°	1044.2	1044.2	1052.7	1061.2	1058.3	1061.2	1061.2	1052.7	1024.4	984.8	916.9
62.5°	826.3	834.8	829.1	834.8	846.1	834.8	829.1	823.5	803.7	778.2	721.6
65°	625.4	631.1	631.1	633.9	628.2	631.1	619.8	611.3	600.0	571.7	534.9
67.5°	475.5	475.5	475.5	475.5	472.5	469.7	467.0	458.5	438.6	427.4	387.6
70°	365.0	348.0	348.0	348.0	348.0	350.9	342.4	331.1	325.4	305.6	277.3
72.5°	243.3	249.0	243.3	243.3	237.7	240.5	229.2	223.5	217.9	206.6	189.6
75°	175.4	161.3	166.9	169.8	161.3	166.9	155.6	144.3	144.3	135.8	127.3
77.5°	113.2	110.4	113.2	116.0	113.2	110.4	104.7	99.0	99.0	96.2	87.7
80°	82.1	79.2	79.2	79.2	76.4	79.2	73.6	73.6	67.9	65.1	59.4
82.5°	53.8	53.8	50.9	53.8	50.9	53.8	45.3	45.3	45.3	42.4	36.8
85°	36.8	31.1	31.1	34.0	28.3	34.0	31.1	28.3	25.5	25.5	22.6
87.5°	17.0	19.8	17.0	19.8	17.0	17.0	19.8	17.0	17.0	11.3	11.3
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°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5767.1	5769.9	5769.9	5781.3	5786.9	5789.7	5789.7	5812.4	5803.9	5809.6	5815.2
5°	5685.1	5702.0	5707.7	5707.7	5738.8	5750.1	5761.4	5786.9	5789.7	5806.7	5826.5
7.5°	5605.8	5625.6	5637.0	5662.4	5682.2	5702.0	5736.0	5753.0	5769.9	5792.6	5818.0
10°	5529.4	5552.1	5574.7	5594.5	5625.6	5651.1	5673.7	5713.3	5733.2	5764.3	5798.2
12.5°	5455.9	5487.0	5506.8	5540.7	5574.7	5597.3	5631.3	5668.1	5699.2	5730.3	5769.9
15°	5390.8	5427.6	5450.2	5487.0	5523.8	5554.9	5591.7	5637.0	5659.6	5696.4	5733.2
17.5°	5319.9	5359.7	5388.0	5421.9	5467.2	5501.1	5532.3	5577.5	5605.8	5645.4	5687.9
20°	5246.4	5286.0	5319.9	5353.9	5399.3	5433.1	5470.0	5515.3	5546.4	5586.0	5620.0
22.5°	5158.7	5195.5	5232.2	5271.8	5317.1	5345.4	5388.0	5427.6	5461.5	5498.3	5532.3
25°	5045.5	5090.8	5119.1	5155.8	5192.6	5223.7	5269.0	5308.6	5336.9	5371.0	5402.1
27.5°	4912.5	4946.5	4969.1	5000.2	5037.0	5065.3	5099.2	5138.9	5167.2	5198.3	5220.9
30°	4686.1	4717.3	4737.1	4759.7	4796.5	4822.0	4850.3	4887.0	4906.8	4929.5	4949.3
32.5°	4388.9	4414.4	4425.7	4442.8	4468.3	4493.7	4516.4	4547.5	4556.0	4570.1	4570.1
35°	3958.9	3964.5	3961.7	3967.4	3978.7	3992.8	4012.6	4032.4	4043.7	4043.7	4035.3
37.5°	3455.2	3421.3	3384.4	3356.1	3347.6	3341.9	3353.4	3361.7	3373.2	3378.7	3364.6
40°	2931.7	2855.3	2773.2	2699.6	2648.7	2626.1	2617.6	2623.2	2623.2	2643.0	2643.0
42.5°	2481.8	2362.8	2241.2	2130.8	2057.2	2000.7	1975.2	1975.2	1978.0	1992.2	2000.7
45°	2108.2	1958.2	1816.7	1695.1	1593.2	1519.5	1485.7	1477.2	1474.4	1479.9	1499.7
47.5°	1822.4	1666.8	1519.5	1369.6	1262.1	1188.5	1157.4	1146.0	1134.7	1146.0	1148.9
50°	1598.9	1437.5	1281.9	1131.9	1018.7	953.6	914.0	897.0	894.2	894.2	899.9
52.5°	1395.0	1245.1	1089.5	936.7	817.8	755.6	718.8	710.3	699.0	710.3	710.3
55°	1202.6	1052.7	899.9	755.6	656.5	591.5	557.5	546.2	540.4	549.0	549.0
57.5°	993.3	865.9	724.5	594.3	495.3	449.9	424.4	410.3	407.4	413.1	407.4
60°	815.0	707.5	585.8	467.0	390.5	342.4	322.6	316.9	311.2	316.9	316.9
62.5°	645.2	554.7	455.5	365.0	299.9	266.0	243.3	243.3	240.5	240.5	243.3
65°	478.3	407.4	336.7	260.3	209.4	183.9	166.9	166.9	164.1	166.9	164.1
67.5°	348.0	299.9	243.3	189.6	150.0	135.8	124.5	116.0	121.7	116.0	113.2
70°	254.7	215.0	175.4	144.3	116.0	101.9	93.4	90.5	84.9	84.9	84.9
72.5°	169.8	144.3	118.8	93.4	76.4	62.2	59.4	53.8	48.1	50.9	56.6
75°	113.2	96.2	84.9	67.9	50.9	50.9	34.0	34.0	28.3	34.0	25.5
77.5°	79.2	65.1	50.9	42.4	34.0	31.1	22.6	22.6	19.8	19.8	19.8
80°	56.6	48.1	36.8	31.1	22.6	22.6	19.8	17.0	14.1	14.1	17.0
82.5°	34.0	25.5	25.5	22.6	14.1	11.3	8.5	11.3	5.7	5.7	5.7
85°	19.8	17.0	14.1	8.5	5.7	5.7	2.8	0.0	2.8	2.8	0.0
87.5°	11.3	5.7	5.7	2.8	0.0	2.8	2.8	0.0	0.0	0.0	5.7
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°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5829.4	5826.5	5832.2	5832.2	5849.2	5846.3	5854.8	5854.8	5849.2	5852.0	5863.3
5°	5849.2	5857.7	5874.6	5888.8	5914.2	5925.6	5939.7	5953.9	5956.7	5965.2	5973.7
7.5°	5849.2	5877.5	5897.3	5922.7	5956.7	5976.5	6007.6	6033.1	6044.4	6058.5	6075.5
10°	5837.8	5866.1	5902.9	5931.2	5973.7	6004.8	6035.9	6075.5	6092.5	6115.1	6137.8
12.5°	5815.2	5846.3	5885.9	5922.7	5970.8	5999.1	6038.7	6075.5	6101.0	6132.1	6157.6
15°	5781.3	5818.0	5854.8	5891.6	5942.5	5976.5	6013.3	6055.7	6081.2	6115.1	6137.8
17.5°	5727.5	5767.1	5801.1	5835.0	5883.1	5922.7	5956.7	5996.3	6021.8	6050.1	6081.2
20°	5662.4	5699.2	5736.0	5764.3	5812.4	5846.3	5883.1	5919.9	5939.7	5945.4	5993.5
22.5°	5580.4	5605.8	5634.1	5679.4	5707.7	5738.8	5772.8	5806.7	5826.5	5857.7	5874.6
25°	5444.4	5470.0	5501.1	5520.9	5554.9	5580.4	5614.3	5651.1	5662.4	5685.1	5702.0
27.5°	5254.9	5269.0	5283.2	5300.1	5319.9	5334.1	5353.9	5371.0	5382.2	5393.5	5404.8
30°	4954.9	4954.9	4954.9	4943.6	4952.1	4960.6	4963.4	4960.6	4960.6	4957.8	4957.8
32.5°	4558.8	4536.2	4510.7	4488.1	4479.6	4468.3	4462.6	4454.1	4440.0	4431.5	4434.2
35°	4023.9	3973.0	3941.9	3913.6	3891.0	3874.0	3865.5	3857.0	3854.2	3842.9	3831.5
37.5°	3356.1	3319.3	3296.7	3279.7	3259.9	3242.9	3245.7	3248.6	3257.0	3251.4	3254.2
40°	2648.7	2640.2	2648.7	2628.9	2623.2	2628.9	2643.0	2662.9	2674.2	2685.5	2705.3
42.5°	2014.8	2028.9	2048.8	2048.8	2057.2	2068.6	2085.5	2116.7	2133.6	2153.4	2176.1
45°	1516.8	1533.8	1559.3	1567.7	1573.4	1587.5	1607.4	1632.8	1644.1	1661.1	1680.9
47.5°	1168.7	1180.0	1194.1	1208.3	1222.4	1228.1	1247.9	1247.9	1262.1	1273.4	1279.0
50°	911.2	922.5	933.8	942.3	948.0	956.5	962.1	970.6	973.4	979.1	981.9
52.5°	713.1	727.3	727.3	732.9	741.4	749.9	747.1	749.9	752.7	752.7	761.2
55°	557.5	557.5	566.0	566.0	571.7	568.8	571.7	571.7	571.7	571.7	574.5
57.5°	415.9	418.8	427.4	421.6	418.8	424.4	418.8	424.4	421.6	427.4	418.8
60°	319.7	319.7	322.6	322.6	325.4	325.4	325.4	322.6	322.6	319.7	319.7
62.5°	240.5	243.3	246.2	243.3	243.3	243.3	240.5	240.5	237.7	234.8	234.8
65°	161.3	158.5	164.1	158.5	161.3	161.3	158.5	161.3	152.8	155.6	152.8
67.5°	116.0	113.2	110.4	113.2	110.4	107.5	107.5	110.4	113.2	104.7	104.7
70°	76.4	79.2	76.4	79.2	82.1	82.1	79.2	76.4	79.2	73.6	76.4
72.5°	48.1	48.1	48.1	48.1	48.1	50.9	50.9	50.9	45.3	45.3	42.4
75°	22.6	31.1	25.5	22.6	31.1	31.1	28.3	28.3	25.5	25.5	25.5
77.5°	22.6	17.0	17.0	17.0	17.0	17.0	17.0	17.0	14.1	17.0	14.1
80°	11.3	11.3	11.3	8.5	11.3	11.3	14.1	11.3	11.3	8.5	14.1
82.5°	5.7	5.7	5.7	0.0	2.8	5.7	5.7	2.8	5.7	5.7	2.8
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: P248963

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5860.5	5857.7	5860.5	5863.3	5860.5	5857.7	5860.5	5863.3	5852.0	5849.2	5854.8
5°	5985.0	5985.0	5990.6	5993.5	5990.6	5985.0	5985.0	5973.7	5965.2	5956.7	5953.9
7.5°	6092.5	6098.2	6103.8	6106.6	6103.8	6098.2	6092.5	6075.5	6058.5	6044.4	6033.1
10°	6157.6	6166.1	6177.4	6183.0	6177.4	6166.1	6157.6	6137.8	6115.1	6092.5	6075.5
12.5°	6185.9	6194.4	6208.5	6205.7	6208.5	6194.4	6185.9	6157.6	6132.1	6101.0	6075.5
15°	6166.1	6177.4	6191.5	6197.2	6191.5	6177.4	6166.1	6137.8	6115.1	6081.2	6055.7
17.5°	6103.8	6120.8	6129.3	6137.8	6129.3	6120.8	6103.8	6081.2	6050.1	6021.8	5996.3
20°	6018.9	6030.3	6041.6	6044.4	6041.6	6030.3	6018.9	5993.5	5945.4	5939.7	5919.9
22.5°	5897.3	5905.8	5931.2	5922.7	5931.2	5905.8	5897.3	5874.6	5857.7	5826.5	5806.7
25°	5721.8	5730.3	5733.2	5736.0	5733.2	5730.3	5721.8	5702.0	5685.1	5662.4	5651.1
27.5°	5419.1	5419.1	5424.6	5427.6	5424.6	5419.1	5419.1	5404.8	5393.5	5382.2	5371.0
30°	4960.6	4960.6	4960.6	4974.8	4960.6	4960.6	4960.6	4957.8	4957.8	4960.6	4960.6
32.5°	4431.5	4425.7	4420.2	4425.7	4420.2	4425.7	4431.5	4434.2	4431.5	4440.0	4454.1
35°	3831.5	3828.7	3837.2	3825.9	3837.2	3828.7	3831.5	3831.5	3842.9	3854.2	3857.0
37.5°	3257.0	3251.4	3262.7	3251.4	3262.7	3251.4	3257.0	3254.2	3251.4	3257.0	3248.6
40°	2711.0	2716.6	2716.6	2739.3	2716.6	2716.6	2711.0	2705.3	2685.5	2674.2	2662.9
42.5°	2187.4	2204.4	2198.7	2215.7	2198.7	2204.4	2187.4	2176.1	2153.4	2133.6	2116.7
45°	1692.2	1703.6	1703.6	1709.2	1703.6	1703.6	1692.2	1680.9	1661.1	1644.1	1632.8
47.5°	1298.8	1298.8	1298.8	1301.7	1298.8	1298.8	1298.8	1279.0	1273.4	1262.1	1247.9
50°	987.6	990.4	993.3	996.1	993.3	990.4	987.6	981.9	979.1	973.4	970.6
52.5°	758.4	761.2	755.6	761.2	755.6	761.2	758.4	761.2	752.7	752.7	749.9
55°	574.5	571.7	574.5	577.3	574.5	571.7	574.5	574.5	571.7	571.7	571.7
57.5°	421.6	415.9	415.9	415.9	415.9	415.9	421.6	418.8	427.4	421.6	424.4
60°	314.1	316.9	316.9	319.7	316.9	316.9	314.1	319.7	319.7	322.6	322.6
62.5°	232.0	240.5	234.8	240.5	234.8	240.5	232.0	234.8	234.8	237.7	240.5
65°	150.0	150.0	150.0	152.8	150.0	150.0	150.0	152.8	155.6	152.8	161.3
67.5°	101.9	104.7	110.4	107.5	110.4	104.7	101.9	104.7	104.7	113.2	110.4
70°	82.1	73.6	73.6	82.1	73.6	73.6	82.1	76.4	73.6	79.2	76.4
72.5°	48.1	42.4	48.1	48.1	48.1	42.4	48.1	42.4	45.3	45.3	50.9
75°	25.5	22.6	19.8	28.3	19.8	22.6	25.5	25.5	25.5	25.5	28.3
77.5°	17.0	14.1	19.8	19.8	19.8	14.1	17.0	14.1	17.0	14.1	17.0
80°	8.5	11.3	8.5	14.1	8.5	11.3	8.5	14.1	8.5	11.3	11.3
82.5°	2.8	5.7	5.7	5.7	5.7	5.7	2.8	2.8	5.7	5.7	2.8
85°	0.0	5.7	2.8	2.8	2.8	5.7	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.0	0.0	2.8	0.0	0.0	2.8	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: P248963

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5854.8	5846.3	5849.2	5832.2	5832.2	5826.5	5829.4	5815.2	5809.6	5803.9	5812.4
5°	5939.7	5925.6	5914.2	5888.8	5874.6	5857.7	5849.2	5826.5	5806.7	5789.7	5786.9
7.5°	6007.6	5976.5	5956.7	5922.7	5897.3	5877.5	5849.2	5818.0	5792.6	5769.9	5753.0
10°	6035.9	6004.8	5973.7	5931.2	5902.9	5866.1	5837.8	5798.2	5764.3	5733.2	5713.3
12.5°	6038.7	5999.1	5970.8	5922.7	5885.9	5846.3	5815.2	5769.9	5730.3	5699.2	5668.1
15°	6013.3	5976.5	5942.5	5891.6	5854.8	5818.0	5781.3	5733.2	5696.4	5659.6	5637.0
17.5°	5956.7	5922.7	5883.1	5835.0	5801.1	5767.1	5727.5	5687.9	5645.4	5605.8	5577.5
20°	5883.1	5846.3	5812.4	5764.3	5736.0	5699.2	5662.4	5620.0	5586.0	5546.4	5515.3
22.5°	5772.8	5738.8	5707.7	5679.4	5634.1	5605.8	5580.4	5532.3	5498.3	5461.5	5427.6
25°	5614.3	5580.4	5554.9	5520.9	5501.1	5470.0	5444.4	5402.1	5371.0	5336.9	5308.6
27.5°	5353.9	5334.1	5319.9	5300.1	5283.2	5269.0	5254.9	5220.9	5198.3	5167.2	5138.9
30°	4963.4	4960.6	4952.1	4943.6	4954.9	4954.9	4954.9	4949.3	4929.5	4906.8	4887.0
32.5°	4462.6	4468.3	4479.6	4488.1	4510.7	4536.2	4558.8	4570.1	4570.1	4556.0	4547.5
35°	3865.5	3874.0	3891.0	3913.6	3941.9	3973.0	4023.9	4035.3	4043.7	4043.7	4032.4
37.5°	3245.7	3242.9	3259.9	3279.7	3296.7	3319.3	3356.1	3364.6	3378.7	3373.2	3361.7
40°	2643.0	2628.9	2623.2	2628.9	2648.7	2640.2	2648.7	2643.0	2643.0	2623.2	2623.2
42.5°	2085.5	2068.6	2057.2	2048.8	2048.8	2028.9	2014.8	2000.7	1992.2	1978.0	1975.2
45°	1607.4	1587.5	1573.4	1567.7	1559.3	1533.8	1516.8	1499.7	1479.9	1474.4	1477.2
47.5°	1247.9	1228.1	1222.4	1208.3	1194.1	1180.0	1168.7	1148.9	1146.0	1134.7	1146.0
50°	962.1	956.5	948.0	942.3	933.8	922.5	911.2	899.9	894.2	894.2	897.0
52.5°	747.1	749.9	741.4	732.9	727.3	727.3	713.1	710.3	710.3	699.0	710.3
55°	571.7	568.8	571.7	566.0	566.0	557.5	557.5	549.0	549.0	540.4	546.2
57.5°	418.8	424.4	418.8	421.6	427.4	418.8	415.9	407.4	413.1	407.4	410.3
60°	325.4	325.4	325.4	322.6	322.6	319.7	319.7	316.9	316.9	311.2	316.9
62.5°	240.5	243.3	243.3	243.3	246.2	243.3	240.5	243.3	240.5	240.5	243.3
65°	158.5	161.3	161.3	158.5	164.1	158.5	161.3	164.1	166.9	164.1	166.9
67.5°	107.5	107.5	110.4	113.2	110.4	113.2	116.0	113.2	116.0	121.7	116.0
70°	79.2	82.1	82.1	79.2	76.4	79.2	76.4	84.9	84.9	84.9	90.5
72.5°	50.9	50.9	48.1	48.1	48.1	48.1	48.1	56.6	50.9	48.1	53.8
75°	28.3	31.1	31.1	22.6	25.5	31.1	22.6	25.5	34.0	28.3	34.0
77.5°	17.0	17.0	17.0	17.0	17.0	17.0	22.6	19.8	19.8	19.8	22.6
80°	14.1	11.3	11.3	8.5	11.3	11.3	11.3	17.0	14.1	14.1	17.0
82.5°	5.7	5.7	2.8	0.0	5.7	5.7	5.7	5.7	5.7	5.7	11.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	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: P248963

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5789.7	5789.7	5786.9	5781.3	5769.9	5769.9	5767.1	5758.6	5753.0	5750.1	5750.1
5°	5761.4	5750.1	5738.8	5707.7	5707.7	5702.0	5685.1	5673.7	5668.1	5653.9	5648.3
7.5°	5736.0	5702.0	5682.2	5662.4	5637.0	5625.6	5605.8	5597.3	5577.5	5563.4	5554.9
10°	5673.7	5651.1	5625.6	5594.5	5574.7	5552.1	5529.4	5512.5	5487.0	5472.8	5461.5
12.5°	5631.3	5597.3	5574.7	5540.7	5506.8	5487.0	5455.9	5436.1	5410.6	5382.2	5365.2
15°	5591.7	5554.9	5523.8	5487.0	5450.2	5427.6	5390.8	5368.2	5331.3	5303.0	5283.2
17.5°	5532.3	5501.1	5467.2	5421.9	5388.0	5359.7	5319.9	5291.7	5257.7	5220.9	5201.1
20°	5470.0	5433.1	5399.3	5353.9	5319.9	5286.0	5246.4	5215.3	5175.6	5141.7	5119.1
22.5°	5388.0	5345.4	5317.1	5271.8	5232.2	5195.5	5158.7	5121.9	5085.1	5056.8	5031.3
25°	5269.0	5223.7	5192.6	5155.8	5119.1	5090.8	5045.5	5022.9	4986.1	4960.6	4935.1
27.5°	5099.2	5065.3	5037.0	5000.2	4969.1	4946.5	4912.5	4889.9	4858.7	4836.1	4816.3
30°	4850.3	4822.0	4796.5	4759.7	4737.1	4717.3	4686.1	4666.3	4643.7	4618.2	4612.6
32.5°	4516.4	4493.7	4468.3	4442.8	4425.7	4414.4	4388.9	4377.6	4355.0	4340.8	4326.7
35°	4012.6	3992.8	3978.7	3967.4	3961.7	3964.5	3958.9	3970.2	3975.8	3973.0	3975.8
37.5°	3353.4	3341.9	3347.6	3356.1	3384.4	3421.3	3455.2	3506.1	3540.1	3574.1	3605.2
40°	2617.6	2626.1	2648.7	2699.6	2773.2	2855.3	2931.7	3027.9	3124.1	3192.0	3254.2
42.5°	1975.2	2000.7	2057.2	2130.8	2241.2	2362.8	2481.8	2623.2	2739.3	2852.4	2931.7
45°	1485.7	1519.5	1593.2	1695.1	1816.7	1958.2	2108.2	2266.6	2405.4	2521.4	2609.1
47.5°	1157.4	1188.5	1262.1	1369.6	1519.5	1666.8	1822.4	1986.5	2130.8	2244.0	2320.4
50°	914.0	953.6	1018.7	1131.9	1281.9	1437.5	1598.9	1760.1	1896.0	1992.2	2060.1
52.5°	718.8	755.6	817.8	936.7	1089.5	1245.1	1395.0	1553.6	1672.4	1765.8	1811.1
55°	557.5	591.5	656.5	755.6	899.9	1052.7	1202.6	1338.5	1448.8	1516.8	1559.3
57.5°	424.4	449.9	495.3	594.3	724.5	865.9	993.3	1129.1	1214.0	1262.1	1290.3
60°	322.6	342.4	390.5	467.0	585.8	707.5	815.0	916.9	984.8	1024.4	1052.7
62.5°	243.3	266.0	299.9	365.0	455.5	554.7	645.2	721.6	778.2	803.7	823.5
65°	166.9	183.9	209.4	260.3	336.7	407.4	478.3	534.9	571.7	600.0	611.3
67.5°	124.5	135.8	150.0	189.6	243.3	299.9	348.0	387.6	427.4	438.6	458.5
70°	93.4	101.9	116.0	144.3	175.4	215.0	254.7	277.3	305.6	325.4	331.1
72.5°	59.4	62.2	76.4	93.4	118.8	144.3	169.8	189.6	206.6	217.9	223.5
75°	34.0	50.9	50.9	67.9	84.9	96.2	113.2	127.3	135.8	144.3	144.3
77.5°	22.6	31.1	34.0	42.4	50.9	65.1	79.2	87.7	96.2	99.0	99.0
80°	19.8	22.6	22.6	31.1	36.8	48.1	56.6	59.4	65.1	67.9	73.6
82.5°	8.5	11.3	14.1	22.6	25.5	25.5	34.0	36.8	42.4	45.3	45.3
85°	2.8	5.7	5.7	8.5	14.1	17.0	19.8	22.6	25.5	25.5	28.3
87.5°	2.8	2.8	0.0	2.8	5.7	5.7	11.3	11.3	11.3	17.0	17.0
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: P248963

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4	5795.4
2.5°	5744.5	5747.3	5736.0	5733.2	5727.5	5730.3	5736.0
5°	5639.8	5642.6	5631.3	5620.0	5620.0	5617.1	5620.0
7.5°	5540.7	5543.6	5526.6	5520.9	5509.6	5512.5	5512.5
10°	5441.7	5441.7	5416.3	5413.3	5404.8	5402.1	5402.1
12.5°	5345.4	5336.9	5317.1	5305.8	5311.5	5294.5	5294.5
15°	5260.5	5246.4	5220.9	5212.4	5198.3	5192.6	5192.6
17.5°	5172.8	5161.5	5138.9	5121.9	5104.9	5102.1	5104.9
20°	5087.9	5076.6	5048.3	5037.0	5022.9	5022.9	5017.2
22.5°	5003.0	4991.7	4966.3	4957.8	4938.0	4938.0	4940.8
25°	4915.3	4906.8	4878.5	4872.9	4870.1	4858.7	4864.4
27.5°	4796.5	4790.8	4768.2	4759.7	4748.4	4745.6	4751.2
30°	4578.6	4570.1	4553.2	4544.7	4524.9	4527.7	4533.3
32.5°	4306.9	4295.6	4272.9	4264.4	4247.5	4241.8	4244.6
35°	3967.4	3958.9	3939.1	3939.1	3922.1	3916.4	3922.1
37.5°	3622.2	3630.6	3622.2	3630.6	3622.2	3619.3	3622.2
40°	3296.7	3327.8	3333.4	3364.6	3353.4	3370.2	3367.4
42.5°	2985.4	3036.3	3056.2	3081.6	3076.0	3087.3	3095.8
45°	2671.3	2713.8	2733.6	2750.6	2753.4	2759.1	2761.9
47.5°	2374.1	2408.1	2410.9	2430.7	2427.9	2427.9	2436.4
50°	2096.9	2119.5	2125.1	2139.3	2128.0	2122.3	2125.1
52.5°	1839.4	1862.0	1856.3	1862.0	1847.9	1842.2	1845.0
55°	1576.2	1587.5	1587.5	1587.5	1570.6	1570.6	1570.6
57.5°	1307.3	1310.2	1304.5	1307.3	1304.5	1287.5	1284.7
60°	1061.2	1061.2	1058.3	1061.2	1052.7	1044.2	1044.2
62.5°	829.1	834.8	846.1	834.8	829.1	834.8	826.3
65°	619.8	631.1	628.2	633.9	631.1	631.1	625.4
67.5°	467.0	469.7	472.5	475.5	475.5	475.5	475.5
70°	342.4	350.9	348.0	348.0	348.0	348.0	365.0
72.5°	229.2	240.5	237.7	243.3	243.3	249.0	243.3
75°	155.6	166.9	161.3	169.8	166.9	161.3	175.4
77.5°	104.7	110.4	113.2	116.0	113.2	110.4	113.2
80°	73.6	79.2	76.4	79.2	79.2	79.2	82.1
82.5°	45.3	53.8	50.9	53.8	50.9	53.8	53.8
85°	31.1	34.0	28.3	34.0	31.1	31.1	36.8
87.5°	19.8	17.0	17.0	19.8	17.0	19.8	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)