

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: P248639

Luminaire Tested: **LD8B175D010 ER8B175927 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248639
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 ER8B175927 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14373.0 lumens
Efficiency: N/A
Efficacy: 81.1 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

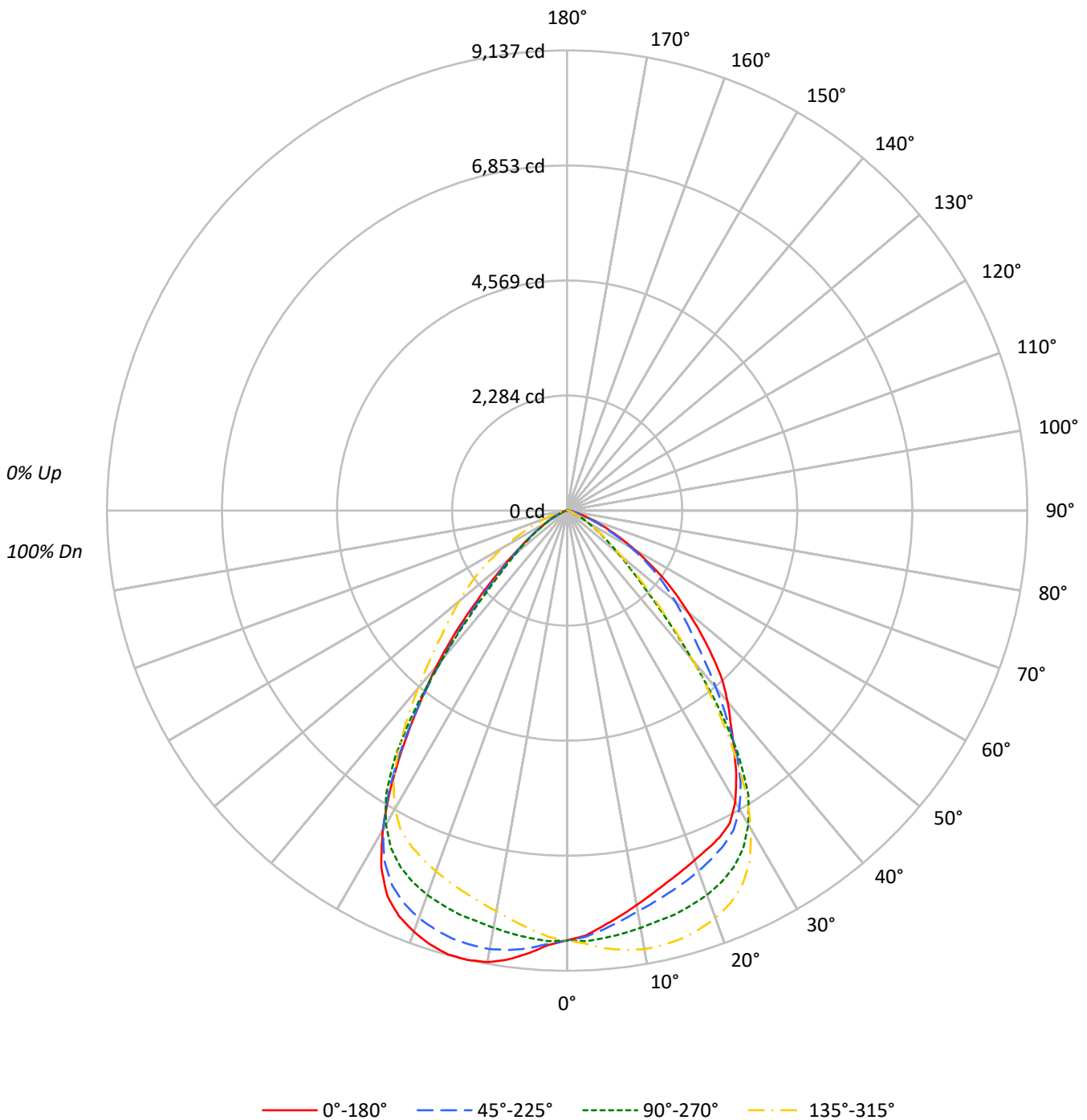
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	812.2	5.7
10°-20°	2351.9	16.4
20°-30°	3561.2	24.8
30°-40°	3569.2	24.8
40°-50°	2241.3	15.6
50°-60°	1194.4	8.3
60°-70°	491.1	3.4
70°-80°	129.8	0.9
80°-90°	22.0	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°	6725.3	46.8
0°-40°	10294.5	71.6
0°-60°	13730.1	95.5
0°-90°	14373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14373.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8533	8533	8533	8533	8533	
5°	8274	8520	8824	8520	8274	780
15°	7645	8300	9124	8300	7645	2162
25°	7162	7816	8445	7816	7162	3285
35°	5775	5937	5633	5937	5775	3618
45°	4066	2175	2516	2175	4066	3127
55°	2312	804	850	804	2312	2062
65°	921	246	225	246	921	955
75°	258	50	42	50	258	293
85°	54	0	4	0	54	60
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°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8445.4	8436.9	8432.8	8441.2	8445.4	8461.9	8457.9	8466.1	8466.1	8470.4	8478.6
5°	8274.5	8270.2	8274.5	8274.5	8291.1	8307.8	8303.6	8316.2	8324.4	8345.4	8353.6
7.5°	8116.2	8116.2	8111.9	8128.6	8137.0	8162.0	8157.7	8178.6	8191.2	8211.9	8241.1
10°	7953.6	7953.6	7957.8	7970.3	7974.6	8012.0	8012.0	8041.2	8057.8	8078.7	8116.2
12.5°	7795.4	7795.4	7820.4	7812.0	7828.6	7857.8	7870.3	7899.5	7924.5	7966.2	8003.7
15°	7645.3	7645.3	7653.7	7674.5	7687.0	7724.6	7745.3	7778.7	7808.0	7849.6	7903.8
17.5°	7516.2	7512.1	7516.2	7541.2	7566.3	7599.5	7616.1	7657.9	7687.0	7741.2	7791.3
20°	7387.1	7395.4	7395.4	7416.2	7432.9	7474.5	7491.2	7537.2	7570.4	7620.3	7678.8
22.5°	7274.6	7270.4	7270.4	7299.6	7312.2	7349.5	7366.2	7407.8	7445.4	7487.0	7541.2
25°	7162.1	7153.6	7170.4	7174.6	7182.8	7224.5	7237.0	7266.2	7303.7	7341.3	7395.4
27.5°	6995.4	6987.2	6991.2	7007.8	7020.4	7053.6	7062.1	7091.2	7120.4	7153.6	7199.7
30°	6674.5	6666.3	6662.1	6691.3	6703.9	6728.7	6741.2	6791.3	6799.5	6837.1	6870.4
32.5°	6249.5	6245.4	6253.9	6278.7	6291.2	6324.6	6341.3	6370.4	6391.2	6412.2	6445.3
35°	5774.6	5766.3	5774.6	5799.7	5799.7	5828.8	5841.3	5853.7	5849.7	5853.7	5845.5
37.5°	5333.1	5328.8	5333.1	5345.4	5333.1	5345.4	5333.1	5308.1	5262.3	5212.1	5162.1
40°	4958.0	4962.2	4937.3	4953.9	4907.9	4899.7	4853.9	4791.4	4699.8	4599.8	4458.2
42.5°	4558.2	4545.6	4528.9	4537.2	4499.8	4470.5	4395.5	4316.5	4199.7	4033.1	3862.2
45°	4066.4	4062.4	4053.9	4049.8	4024.8	3995.7	3933.0	3841.4	3712.3	3541.5	3337.2
47.5°	3587.3	3574.8	3574.8	3578.8	3549.7	3545.7	3495.5	3416.5	3304.0	3137.3	2924.8
50°	3128.8	3124.8	3133.1	3149.8	3128.8	3120.6	3087.3	3033.2	2933.2	2791.6	2591.4
52.5°	2716.4	2712.4	2720.7	2741.5	2733.1	2741.5	2708.2	2666.6	2599.9	2462.3	2287.4
55°	2312.4	2312.4	2312.4	2337.3	2337.3	2337.3	2320.6	2295.8	2233.1	2133.2	1970.8
57.5°	1891.6	1895.6	1920.7	1924.9	1920.7	1929.2	1924.9	1899.8	1858.3	1787.5	1662.4
60°	1537.4	1537.4	1549.9	1562.5	1558.2	1562.5	1562.5	1549.9	1508.3	1450.0	1350.0
62.5°	1216.6	1229.1	1220.7	1229.1	1245.7	1229.1	1220.7	1212.4	1183.3	1145.7	1062.4
65°	920.7	929.1	929.1	933.3	924.9	929.1	912.5	900.0	883.4	841.7	787.5
67.5°	700.1	700.1	700.1	700.1	695.7	691.6	687.5	675.0	645.9	629.2	570.7
70°	537.4	512.4	512.4	512.4	512.4	516.7	504.2	487.6	479.1	450.0	408.4
72.5°	358.2	366.6	358.2	358.2	350.0	354.2	337.5	329.1	320.8	304.2	279.2
75°	258.3	237.5	245.7	250.1	237.5	245.7	229.2	212.5	212.5	199.9	187.4
77.5°	166.7	162.6	166.7	170.8	166.7	162.6	154.1	145.8	145.8	141.6	129.2
80°	120.9	116.7	116.7	116.7	112.5	116.7	108.3	108.3	100.0	95.9	87.4
82.5°	79.2	79.2	74.9	79.2	74.9	79.2	66.7	66.7	66.7	62.4	54.2
85°	54.2	45.8	45.8	50.1	41.6	50.1	45.8	41.6	37.6	37.6	33.3
87.5°	25.1	29.1	25.1	29.1	25.1	25.1	29.1	25.1	25.1	16.7	16.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8491.2	8495.2	8495.2	8512.1	8520.3	8524.4	8524.4	8557.9	8545.3	8553.7	8561.9
5°	8370.3	8395.3	8403.6	8403.6	8449.4	8466.1	8482.7	8520.3	8524.4	8549.4	8578.6
7.5°	8253.6	8282.8	8299.6	8336.9	8366.1	8395.3	8445.4	8470.4	8495.2	8528.6	8566.1
10°	8141.1	8174.6	8207.8	8237.0	8282.8	8320.3	8353.6	8411.8	8441.2	8487.0	8536.9
12.5°	8032.8	8078.7	8107.9	8157.7	8207.8	8241.1	8291.1	8345.4	8391.2	8436.9	8495.2
15°	7937.0	7991.2	8024.5	8078.7	8132.8	8178.6	8232.9	8299.6	8332.9	8387.0	8441.2
17.5°	7832.8	7891.2	7932.9	7982.8	8049.5	8099.4	8145.3	8211.9	8253.6	8311.9	8374.5
20°	7724.6	7782.9	7832.8	7882.9	7949.6	7999.4	8053.6	8120.4	8166.2	8224.4	8274.5
22.5°	7595.4	7649.7	7703.7	7761.9	7828.6	7870.3	7932.9	7991.2	8041.2	8095.3	8145.3
25°	7428.7	7495.4	7537.2	7591.2	7645.3	7691.1	7757.8	7816.2	7857.8	7907.8	7953.6
27.5°	7232.8	7282.9	7316.2	7362.0	7416.2	7457.8	7507.8	7566.3	7607.9	7653.7	7687.0
30°	6899.5	6945.4	6974.7	7007.8	7062.1	7099.6	7141.3	7195.3	7224.5	7257.9	7287.1
32.5°	6462.0	6499.6	6516.2	6541.2	6578.8	6616.2	6649.6	6695.4	6707.9	6728.7	6728.7
35°	5828.8	5837.1	5833.0	5841.3	5858.0	5878.8	5907.9	5937.1	5953.7	5953.7	5941.3
37.5°	5087.1	5037.3	4983.1	4941.3	4928.8	4920.5	4937.3	4949.7	4966.4	4974.6	4953.9
40°	4316.5	4204.0	4083.1	3974.7	3899.7	3866.5	3853.9	3862.2	3862.2	3891.4	3891.4
42.5°	3654.0	3479.0	3299.8	3137.3	3029.0	2945.7	2908.1	2908.1	2912.3	2933.2	2945.7
45°	3104.0	2883.2	2674.8	2495.7	2345.6	2237.3	2187.3	2174.8	2170.8	2179.0	2208.2
47.5°	2683.1	2454.1	2237.3	2016.6	1858.3	1749.9	1704.2	1687.3	1670.7	1687.3	1691.6
50°	2354.1	2116.6	1887.4	1666.6	1499.9	1404.0	1345.7	1320.6	1316.6	1316.6	1324.9
52.5°	2054.0	1833.3	1604.1	1379.1	1204.1	1112.5	1058.3	1045.8	1029.1	1045.8	1045.8
55°	1770.6	1549.9	1324.9	1112.5	966.5	870.9	820.8	804.2	795.7	808.2	808.2
57.5°	1462.5	1274.9	1066.7	874.9	729.2	662.5	624.9	604.1	599.8	608.3	599.8
60°	1199.9	1041.6	862.4	687.5	575.0	504.2	475.1	466.6	458.2	466.6	466.6
62.5°	950.0	816.6	670.7	537.4	441.6	391.7	358.2	358.2	354.2	354.2	358.2
65°	704.1	599.8	495.8	383.3	308.4	270.8	245.7	245.7	241.6	245.7	241.6
67.5°	512.4	441.6	358.2	279.2	220.8	199.9	183.4	170.8	179.2	170.8	166.7
70°	375.1	316.6	258.3	212.5	170.8	150.1	137.6	133.2	125.0	125.0	125.0
72.5°	250.1	212.5	174.9	137.6	112.5	91.6	87.4	79.2	70.9	74.9	83.4
75°	166.7	141.6	125.0	100.0	74.9	74.9	50.1	50.1	41.6	50.1	37.6
77.5°	116.7	95.9	74.9	62.4	50.1	45.8	33.3	33.3	29.1	29.1	29.1
80°	83.4	70.9	54.2	45.8	33.3	33.3	29.1	25.1	20.7	20.7	25.1
82.5°	50.1	37.6	37.6	33.3	20.7	16.7	12.5	16.7	8.4	8.4	8.4
85°	29.1	25.1	20.7	12.5	8.4	8.4	4.2	0.0	4.2	4.2	0.0
87.5°	16.7	8.4	8.4	4.2	0.0	4.2	4.2	0.0	0.0	0.0	8.4
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°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8582.8	8578.6	8587.0	8587.0	8612.0	8607.7	8620.3	8620.3	8612.0	8616.2	8632.8
5°	8612.0	8624.6	8649.4	8670.4	8707.7	8724.5	8745.3	8766.2	8770.3	8782.9	8795.4
7.5°	8612.0	8653.7	8682.9	8720.2	8770.3	8799.4	8845.2	8882.8	8899.4	8920.2	8945.2
10°	8595.2	8636.8	8691.1	8732.7	8795.4	8841.2	8886.9	8945.2	8970.3	9003.5	9037.0
12.5°	8561.9	8607.7	8666.1	8720.2	8791.1	8832.7	8891.0	8945.2	8982.8	9028.6	9066.2
15°	8512.1	8566.1	8620.3	8674.4	8749.4	8799.4	8853.6	8916.1	8953.6	9003.5	9037.0
17.5°	8432.8	8491.2	8541.2	8591.1	8661.9	8720.2	8770.3	8828.7	8866.1	8907.9	8953.6
20°	8336.9	8391.2	8445.4	8487.0	8557.9	8607.7	8661.9	8716.2	8745.3	8753.6	8824.5
22.5°	8216.2	8253.6	8295.3	8362.0	8403.6	8449.4	8499.5	8549.4	8578.6	8624.6	8649.4
25°	8016.1	8053.6	8099.4	8128.6	8178.6	8216.2	8266.2	8320.3	8336.9	8370.3	8395.3
27.5°	7737.1	7757.8	7778.7	7803.6	7832.8	7853.7	7882.9	7907.8	7924.5	7941.2	7957.8
30°	7295.3	7295.3	7295.3	7278.6	7291.2	7303.7	7307.8	7303.7	7303.7	7299.6	7299.6
32.5°	6712.1	6678.8	6641.2	6607.9	6595.4	6578.8	6570.4	6557.8	6537.2	6524.7	6528.7
35°	5924.6	5849.7	5803.9	5762.1	5728.8	5703.9	5691.4	5678.8	5674.7	5658.1	5641.2
37.5°	4941.3	4887.2	4853.9	4829.0	4799.7	4774.7	4778.8	4783.0	4795.4	4787.2	4791.4
40°	3899.7	3887.2	3899.7	3870.6	3862.2	3870.6	3891.4	3920.6	3937.3	3953.9	3983.1
42.5°	2966.5	2987.2	3016.6	3016.6	3029.0	3045.7	3070.6	3116.6	3141.5	3170.6	3204.0
45°	2233.1	2258.2	2295.8	2308.2	2316.5	2337.3	2366.5	2404.0	2420.7	2445.6	2474.8
47.5°	1720.8	1737.3	1758.2	1779.1	1799.8	1808.2	1837.4	1837.4	1858.3	1874.9	1883.1
50°	1341.6	1358.2	1374.9	1387.4	1395.8	1408.3	1416.5	1429.1	1433.1	1441.6	1445.7
52.5°	1049.9	1070.8	1070.8	1079.0	1091.6	1104.1	1099.9	1104.1	1108.2	1108.2	1120.7
55°	820.8	820.8	833.3	833.3	841.7	837.4	841.7	841.7	841.7	841.7	845.8
57.5°	612.4	616.7	629.2	620.8	616.7	624.9	616.7	624.9	620.8	629.2	616.7
60°	470.7	470.7	475.1	475.1	479.1	479.1	479.1	475.1	475.1	470.7	470.7
62.5°	354.2	358.2	362.6	358.2	358.2	358.2	354.2	354.2	350.0	345.7	345.7
65°	237.5	233.4	241.6	233.4	237.5	237.5	233.4	237.5	225.0	229.2	225.0
67.5°	170.8	166.7	162.6	166.7	162.6	158.3	158.3	162.6	166.7	154.1	154.1
70°	112.5	116.7	112.5	116.7	120.9	120.9	116.7	112.5	116.7	108.3	112.5
72.5°	70.9	70.9	70.9	70.9	70.9	74.9	74.9	74.9	66.7	66.7	62.4
75°	33.3	45.8	37.6	33.3	45.8	45.8	41.6	41.6	37.6	37.6	37.6
77.5°	33.3	25.1	25.1	25.1	25.1	25.1	25.1	25.1	20.7	25.1	20.7
80°	16.7	16.7	16.7	12.5	16.7	16.7	20.7	16.7	16.7	12.5	20.7
82.5°	8.4	8.4	8.4	0.0	4.2	8.4	8.4	4.2	8.4	8.4	4.2
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: P248639

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8628.6	8624.6	8628.6	8632.8	8628.6	8624.6	8628.6	8632.8	8616.2	8612.0	8620.3
5°	8812.0	8812.0	8820.2	8824.5	8820.2	8812.0	8812.0	8795.4	8782.9	8770.3	8766.2
7.5°	8970.3	8978.6	8986.9	8991.0	8986.9	8978.6	8970.3	8945.2	8920.2	8899.4	8882.8
10°	9066.2	9078.6	9095.3	9103.5	9095.3	9078.6	9066.2	9037.0	9003.5	8970.3	8945.2
12.5°	9107.8	9120.4	9141.1	9136.9	9141.1	9120.4	9107.8	9066.2	9028.6	8982.8	8945.2
15°	9078.6	9095.3	9116.0	9124.4	9116.0	9095.3	9078.6	9037.0	9003.5	8953.6	8916.1
17.5°	8986.9	9011.9	9024.4	9037.0	9024.4	9011.9	8986.9	8953.6	8907.9	8866.1	8828.7
20°	8861.8	8878.7	8895.4	8899.4	8895.4	8878.7	8861.8	8824.5	8753.6	8745.3	8716.2
22.5°	8682.9	8695.4	8732.7	8720.2	8732.7	8695.4	8682.9	8649.4	8624.6	8578.6	8549.4
25°	8424.4	8436.9	8441.2	8445.4	8441.2	8436.9	8424.4	8395.3	8370.3	8336.9	8320.3
27.5°	7978.7	7978.7	7986.9	7991.2	7986.9	7978.7	7978.7	7957.8	7941.2	7924.5	7907.8
30°	7303.7	7303.7	7303.7	7324.6	7303.7	7303.7	7303.7	7299.6	7299.6	7303.7	7303.7
32.5°	6524.7	6516.2	6508.0	6516.2	6508.0	6516.2	6524.7	6528.7	6524.7	6537.2	6557.8
35°	5641.2	5637.2	5649.6	5633.0	5649.6	5637.2	5641.2	5641.2	5658.1	5674.7	5678.8
37.5°	4795.4	4787.2	4803.9	4787.2	4803.9	4787.2	4795.4	4791.4	4787.2	4795.4	4783.0
40°	3991.5	3999.7	3999.7	4033.1	3999.7	3999.7	3991.5	3983.1	3953.9	3937.3	3920.6
42.5°	3220.6	3245.6	3237.3	3262.3	3237.3	3245.6	3220.6	3204.0	3170.6	3141.5	3116.6
45°	2491.4	2508.3	2508.3	2516.5	2508.3	2508.3	2491.4	2474.8	2445.6	2420.7	2404.0
47.5°	1912.3	1912.3	1912.3	1916.6	1912.3	1912.3	1912.3	1883.1	1874.9	1858.3	1837.4
50°	1454.1	1458.2	1462.5	1466.7	1462.5	1458.2	1454.1	1445.7	1441.6	1433.1	1429.1
52.5°	1116.6	1120.7	1112.5	1120.7	1112.5	1120.7	1116.6	1120.7	1108.2	1108.2	1104.1
55°	845.8	841.7	845.8	849.9	845.8	841.7	845.8	845.8	841.7	841.7	841.7
57.5°	620.8	612.4	612.4	612.4	612.4	612.4	620.8	616.7	629.2	620.8	624.9
60°	462.5	466.6	466.6	470.7	466.6	466.6	462.5	470.7	470.7	475.1	475.1
62.5°	341.7	354.2	345.7	354.2	345.7	354.2	341.7	345.7	345.7	350.0	354.2
65°	220.8	220.8	220.8	225.0	220.8	220.8	220.8	225.0	229.2	225.0	237.5
67.5°	150.1	154.1	162.6	158.3	162.6	154.1	150.1	154.1	154.1	166.7	162.6
70°	120.9	108.3	108.3	120.9	108.3	108.3	120.9	112.5	108.3	116.7	112.5
72.5°	70.9	62.4	70.9	70.9	70.9	62.4	70.9	62.4	66.7	66.7	74.9
75°	37.6	33.3	29.1	41.6	29.1	33.3	37.6	37.6	37.6	37.6	41.6
77.5°	25.1	20.7	29.1	29.1	29.1	20.7	25.1	20.7	25.1	20.7	25.1
80°	12.5	16.7	12.5	20.7	12.5	16.7	12.5	20.7	12.5	16.7	16.7
82.5°	4.2	8.4	8.4	8.4	8.4	8.4	4.2	4.2	8.4	8.4	4.2
85°	0.0	8.4	4.2	4.2	4.2	8.4	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	0.0	0.0	4.2	0.0	0.0	4.2	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: P248639

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8620.3	8607.7	8612.0	8587.0	8587.0	8578.6	8582.8	8561.9	8553.7	8545.3	8557.9
5°	8745.3	8724.5	8707.7	8670.4	8649.4	8624.6	8612.0	8578.6	8549.4	8524.4	8520.3
7.5°	8845.2	8799.4	8770.3	8720.2	8682.9	8653.7	8612.0	8566.1	8528.6	8495.2	8470.4
10°	8886.9	8841.2	8795.4	8732.7	8691.1	8636.8	8595.2	8536.9	8487.0	8441.2	8411.8
12.5°	8891.0	8832.7	8791.1	8720.2	8666.1	8607.7	8561.9	8495.2	8436.9	8391.2	8345.4
15°	8853.6	8799.4	8749.4	8674.4	8620.3	8566.1	8512.1	8441.2	8387.0	8332.9	8299.6
17.5°	8770.3	8720.2	8661.9	8591.1	8541.2	8491.2	8432.8	8374.5	8311.9	8253.6	8211.9
20°	8661.9	8607.7	8557.9	8487.0	8445.4	8391.2	8336.9	8274.5	8224.4	8166.2	8120.4
22.5°	8499.5	8449.4	8403.6	8362.0	8295.3	8253.6	8216.2	8145.3	8095.3	8041.2	7991.2
25°	8266.2	8216.2	8178.6	8128.6	8099.4	8053.6	8016.1	7953.6	7907.8	7857.8	7816.2
27.5°	7882.9	7853.7	7832.8	7803.6	7778.7	7757.8	7737.1	7687.0	7653.7	7607.9	7566.3
30°	7307.8	7303.7	7291.2	7278.6	7295.3	7295.3	7295.3	7287.1	7257.9	7224.5	7195.3
32.5°	6570.4	6578.8	6595.4	6607.9	6641.2	6678.8	6712.1	6728.7	6728.7	6707.9	6695.4
35°	5691.4	5703.9	5728.8	5762.1	5803.9	5849.7	5924.6	5941.3	5953.7	5953.7	5937.1
37.5°	4778.8	4774.7	4799.7	4829.0	4853.9	4887.2	4941.3	4953.9	4974.6	4966.4	4949.7
40°	3891.4	3870.6	3862.2	3870.6	3899.7	3887.2	3899.7	3891.4	3891.4	3862.2	3862.2
42.5°	3070.6	3045.7	3029.0	3016.6	3016.6	2987.2	2966.5	2945.7	2933.2	2912.3	2908.1
45°	2366.5	2337.3	2316.5	2308.2	2295.8	2258.2	2233.1	2208.2	2179.0	2170.8	2174.8
47.5°	1837.4	1808.2	1799.8	1779.1	1758.2	1737.3	1720.8	1691.6	1687.3	1670.7	1687.3
50°	1416.5	1408.3	1395.8	1387.4	1374.9	1358.2	1341.6	1324.9	1316.6	1316.6	1320.6
52.5°	1099.9	1104.1	1091.6	1079.0	1070.8	1070.8	1049.9	1045.8	1045.8	1029.1	1045.8
55°	841.7	837.4	841.7	833.3	833.3	820.8	820.8	808.2	808.2	795.7	804.2
57.5°	616.7	624.9	616.7	620.8	629.2	616.7	612.4	599.8	608.3	599.8	604.1
60°	479.1	479.1	479.1	475.1	475.1	470.7	470.7	466.6	466.6	458.2	466.6
62.5°	354.2	358.2	358.2	358.2	362.6	358.2	354.2	358.2	354.2	354.2	358.2
65°	233.4	237.5	237.5	233.4	241.6	233.4	237.5	241.6	245.7	241.6	245.7
67.5°	158.3	158.3	162.6	166.7	162.6	166.7	170.8	166.7	170.8	179.2	170.8
70°	116.7	120.9	120.9	116.7	112.5	116.7	112.5	125.0	125.0	125.0	133.2
72.5°	74.9	74.9	70.9	70.9	70.9	70.9	70.9	83.4	74.9	70.9	79.2
75°	41.6	45.8	45.8	33.3	37.6	45.8	33.3	37.6	50.1	41.6	50.1
77.5°	25.1	25.1	25.1	25.1	25.1	25.1	33.3	29.1	29.1	29.1	33.3
80°	20.7	16.7	16.7	12.5	16.7	16.7	16.7	25.1	20.7	20.7	25.1
82.5°	8.4	8.4	4.2	0.0	8.4	8.4	8.4	8.4	8.4	8.4	16.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	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: P248639

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8524.4	8524.4	8520.3	8512.1	8495.2	8495.2	8491.2	8478.6	8470.4	8466.1	8466.1
5°	8482.7	8466.1	8449.4	8403.6	8403.6	8395.3	8370.3	8353.6	8345.4	8324.4	8316.2
7.5°	8445.4	8395.3	8366.1	8336.9	8299.6	8282.8	8253.6	8241.1	8211.9	8191.2	8178.6
10°	8353.6	8320.3	8282.8	8237.0	8207.8	8174.6	8141.1	8116.2	8078.7	8057.8	8041.2
12.5°	8291.1	8241.1	8207.8	8157.7	8107.9	8078.7	8032.8	8003.7	7966.2	7924.5	7899.5
15°	8232.9	8178.6	8132.8	8078.7	8024.5	7991.2	7937.0	7903.8	7849.6	7808.0	7778.7
17.5°	8145.3	8099.4	8049.5	7982.8	7932.9	7891.2	7832.8	7791.3	7741.2	7687.0	7657.9
20°	8053.6	7999.4	7949.6	7882.9	7832.8	7782.9	7724.6	7678.8	7620.3	7570.4	7537.2
22.5°	7932.9	7870.3	7828.6	7761.9	7703.7	7649.7	7595.4	7541.2	7487.0	7445.4	7407.8
25°	7757.8	7691.1	7645.3	7591.2	7537.2	7495.4	7428.7	7395.4	7341.3	7303.7	7266.2
27.5°	7507.8	7457.8	7416.2	7362.0	7316.2	7282.9	7232.8	7199.7	7153.6	7120.4	7091.2
30°	7141.3	7099.6	7062.1	7007.8	6974.7	6945.4	6899.5	6870.4	6837.1	6799.5	6791.3
32.5°	6649.6	6616.2	6578.8	6541.2	6516.2	6499.6	6462.0	6445.3	6412.2	6391.2	6370.4
35°	5907.9	5878.8	5858.0	5841.3	5833.0	5837.1	5828.8	5845.5	5853.7	5849.7	5853.7
37.5°	4937.3	4920.5	4928.8	4941.3	4983.1	5037.3	5087.1	5162.1	5212.1	5262.3	5308.1
40°	3853.9	3866.5	3899.7	3974.7	4083.1	4204.0	4316.5	4458.2	4599.8	4699.8	4791.4
42.5°	2908.1	2945.7	3029.0	3137.3	3299.8	3479.0	3654.0	3862.2	4033.1	4199.7	4316.5
45°	2187.3	2237.3	2345.6	2495.7	2674.8	2883.2	3104.0	3337.2	3541.5	3712.3	3841.4
47.5°	1704.2	1749.9	1858.3	2016.6	2237.3	2454.1	2683.1	2924.8	3137.3	3304.0	3416.5
50°	1345.7	1404.0	1499.9	1666.6	1887.4	2116.6	2354.1	2591.4	2791.6	2933.2	3033.2
52.5°	1058.3	1112.5	1204.1	1379.1	1604.1	1833.3	2054.0	2287.4	2462.3	2599.9	2666.6
55°	820.8	870.9	966.5	1112.5	1324.9	1549.9	1770.6	1970.8	2133.2	2233.1	2295.8
57.5°	624.9	662.5	729.2	874.9	1066.7	1274.9	1462.5	1662.4	1787.5	1858.3	1899.8
60°	475.1	504.2	575.0	687.5	862.4	1041.6	1199.9	1350.0	1450.0	1508.3	1549.9
62.5°	358.2	391.7	441.6	537.4	670.7	816.6	950.0	1062.4	1145.7	1183.3	1212.4
65°	245.7	270.8	308.4	383.3	495.8	599.8	704.1	787.5	841.7	883.4	900.0
67.5°	183.4	199.9	220.8	279.2	358.2	441.6	512.4	570.7	629.2	645.9	675.0
70°	137.6	150.1	170.8	212.5	258.3	316.6	375.1	408.4	450.0	479.1	487.6
72.5°	87.4	91.6	112.5	137.6	174.9	212.5	250.1	279.2	304.2	320.8	329.1
75°	50.1	74.9	74.9	100.0	125.0	141.6	166.7	187.4	199.9	212.5	212.5
77.5°	33.3	45.8	50.1	62.4	74.9	95.9	116.7	129.2	141.6	145.8	145.8
80°	29.1	33.3	33.3	45.8	54.2	70.9	83.4	87.4	95.9	100.0	108.3
82.5°	12.5	16.7	20.7	33.3	37.6	37.6	50.1	54.2	62.4	66.7	66.7
85°	4.2	8.4	8.4	12.5	20.7	25.1	29.1	33.3	37.6	37.6	41.6
87.5°	4.2	4.2	0.0	4.2	8.4	8.4	16.7	16.7	16.7	25.1	25.1
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: P248639

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8	8532.8
2.5°	8457.9	8461.9	8445.4	8441.2	8432.8	8436.9	8445.4
5°	8303.6	8307.8	8291.1	8274.5	8274.5	8270.2	8274.5
7.5°	8157.7	8162.0	8137.0	8128.6	8111.9	8116.2	8116.2
10°	8012.0	8012.0	7974.6	7970.3	7957.8	7953.6	7953.6
12.5°	7870.3	7857.8	7828.6	7812.0	7820.4	7795.4	7795.4
15°	7745.3	7724.6	7687.0	7674.5	7653.7	7645.3	7645.3
17.5°	7616.1	7599.5	7566.3	7541.2	7516.2	7512.1	7516.2
20°	7491.2	7474.5	7432.9	7416.2	7395.4	7395.4	7387.1
22.5°	7366.2	7349.5	7312.2	7299.6	7270.4	7270.4	7274.6
25°	7237.0	7224.5	7182.8	7174.6	7170.4	7153.6	7162.1
27.5°	7062.1	7053.6	7020.4	7007.8	6991.2	6987.2	6995.4
30°	6741.2	6728.7	6703.9	6691.3	6662.1	6666.3	6674.5
32.5°	6341.3	6324.6	6291.2	6278.7	6253.9	6245.4	6249.5
35°	5841.3	5828.8	5799.7	5799.7	5774.6	5766.3	5774.6
37.5°	5333.1	5345.4	5333.1	5345.4	5333.1	5328.8	5333.1
40°	4853.9	4899.7	4907.9	4953.9	4937.3	4962.2	4958.0
42.5°	4395.5	4470.5	4499.8	4537.2	4528.9	4545.6	4558.2
45°	3933.0	3995.7	4024.8	4049.8	4053.9	4062.4	4066.4
47.5°	3495.5	3545.7	3549.7	3578.8	3574.8	3574.8	3587.3
50°	3087.3	3120.6	3128.8	3149.8	3133.1	3124.8	3128.8
52.5°	2708.2	2741.5	2733.1	2741.5	2720.7	2712.4	2716.4
55°	2320.6	2337.3	2337.3	2337.3	2312.4	2312.4	2312.4
57.5°	1924.9	1929.2	1920.7	1924.9	1920.7	1895.6	1891.6
60°	1562.5	1562.5	1558.2	1562.5	1549.9	1537.4	1537.4
62.5°	1220.7	1229.1	1245.7	1229.1	1220.7	1229.1	1216.6
65°	912.5	929.1	924.9	933.3	929.1	929.1	920.7
67.5°	687.5	691.6	695.7	700.1	700.1	700.1	700.1
70°	504.2	516.7	512.4	512.4	512.4	512.4	537.4
72.5°	337.5	354.2	350.0	358.2	358.2	366.6	358.2
75°	229.2	245.7	237.5	250.1	245.7	237.5	258.3
77.5°	154.1	162.6	166.7	170.8	166.7	162.6	166.7
80°	108.3	116.7	112.5	116.7	116.7	116.7	120.9
82.5°	66.7	79.2	74.9	79.2	74.9	79.2	79.2
85°	45.8	50.1	41.6	50.1	45.8	45.8	54.2
87.5°	29.1	25.1	25.1	29.1	25.1	29.1	25.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)