

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: P248648

Luminaire Tested: **LD8B175D010 ER8B175930 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248648  
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 ER8B175930 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15152.6 lumens  
Efficiency: N/A  
Efficacy: 85.5 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

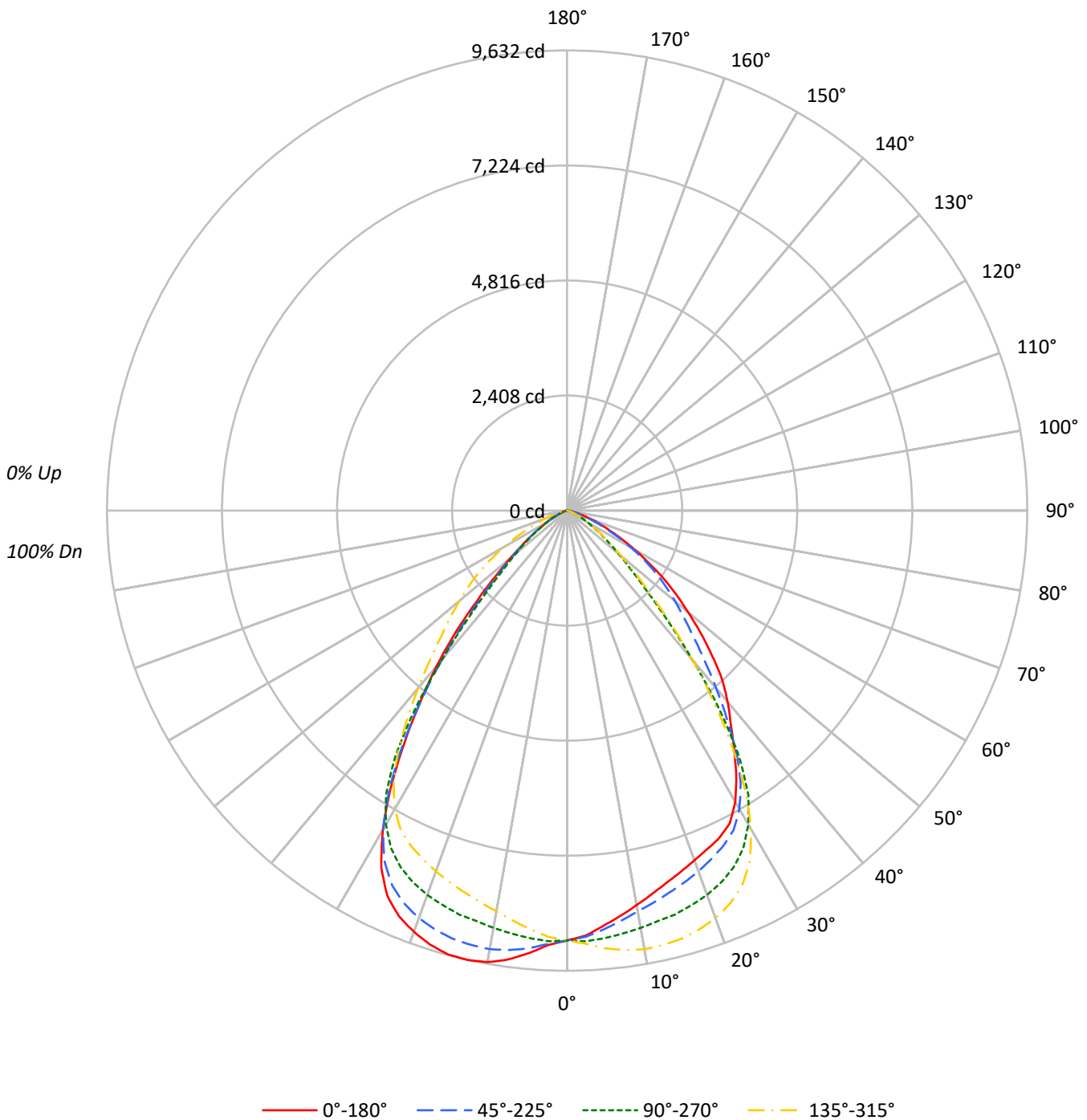
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	856.2	5.7
10°-20°	2479.4	16.4
20°-30°	3754.4	24.8
30°-40°	3762.8	24.8
40°-50°	2362.9	15.6
50°-60°	1259.2	8.3
60°-70°	517.8	3.4
70°-80°	136.8	0.9
80°-90°	23.1	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°	7090.0	46.8
0°-40°	10852.8	71.6
0°-60°	14474.8	95.5
0°-90°	15152.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15152.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8996	8996	8996	8996	8996	
5°	8723	8982	9303	8982	8723	823
15°	8060	8750	9619	8750	8060	2280
25°	7550	8240	8903	8240	7550	3463
35°	6088	6259	5938	6259	6088	3814
45°	4287	2293	2653	2293	4287	3297
55°	2438	848	896	848	2438	2173
65°	971	259	237	259	971	1007
75°	272	53	44	53	272	309
85°	57	0	4	0	57	63
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°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	8903.4	8894.6	8890.2	8899.1	8903.4	8920.9	8916.5	8925.3	8925.3	8929.8	8938.5
5°	8723.3	8718.8	8723.3	8723.3	8740.9	8758.4	8754.0	8767.2	8776.0	8797.9	8806.7
7.5°	8556.5	8556.5	8551.9	8569.5	8578.3	8604.7	8600.2	8622.3	8635.4	8657.4	8688.1
10°	8385.1	8385.1	8389.3	8402.6	8407.2	8446.5	8446.5	8477.2	8494.8	8516.8	8556.5
12.5°	8218.2	8218.2	8244.6	8235.8	8253.3	8284.0	8297.2	8327.9	8354.4	8398.2	8437.9
15°	8060.0	8060.0	8068.8	8090.7	8103.9	8143.5	8165.4	8200.7	8231.4	8275.3	8332.4
17.5°	7923.9	7919.5	7923.9	7950.2	7976.6	8011.7	8029.3	8073.2	8103.9	8161.0	8213.8
20°	7787.7	7796.6	7796.6	7818.4	7836.0	7880.0	7897.4	7945.9	7981.0	8033.5	8095.2
22.5°	7669.1	7664.7	7664.7	7695.6	7708.7	7748.1	7765.6	7809.6	7849.1	7893.1	7950.2
25°	7550.5	7541.6	7559.4	7563.7	7572.4	7616.3	7629.5	7660.2	7699.8	7739.4	7796.6
27.5°	7374.7	7366.1	7370.5	7388.0	7401.2	7436.3	7445.1	7475.8	7506.6	7541.6	7590.1
30°	7036.5	7027.9	7023.5	7054.2	7067.5	7093.7	7106.8	7159.6	7168.3	7207.9	7243.0
32.5°	6588.5	6584.2	6593.0	6619.3	6632.4	6667.7	6685.2	6715.9	6737.9	6759.9	6794.9
35°	6087.9	6079.1	6087.9	6114.3	6114.3	6145.0	6158.2	6171.2	6166.8	6171.2	6162.6
37.5°	5622.4	5617.8	5622.4	5635.4	5622.4	5635.4	5622.4	5595.9	5547.7	5494.9	5442.1
40°	5226.9	5231.3	5205.0	5222.6	5174.2	5165.5	5117.3	5051.2	4954.7	4849.2	4699.9
42.5°	4805.3	4792.2	4774.6	4783.3	4743.8	4712.9	4634.0	4550.6	4427.5	4252.0	4071.7
45°	4287.0	4282.7	4273.8	4269.4	4243.1	4212.3	4146.4	4049.8	3913.6	3733.6	3518.3
47.5°	3781.8	3768.7	3768.7	3772.9	3742.2	3738.0	3685.2	3601.8	3483.2	3307.4	3083.4
50°	3298.5	3294.3	3303.1	3320.6	3298.5	3289.9	3254.8	3197.7	3092.3	2943.0	2732.0
52.5°	2863.8	2859.4	2868.3	2890.2	2881.3	2890.2	2855.1	2811.1	2740.8	2595.8	2411.4
55°	2437.8	2437.8	2437.8	2464.1	2464.1	2464.1	2446.5	2420.2	2354.3	2249.0	2077.7
57.5°	1994.1	1998.5	2024.9	2029.2	2024.9	2033.7	2029.2	2002.9	1959.1	1884.4	1752.6
60°	1620.9	1620.9	1634.0	1647.2	1642.7	1647.2	1647.2	1634.0	1590.1	1528.6	1423.2
62.5°	1282.5	1295.8	1286.9	1295.8	1313.3	1295.8	1286.9	1278.2	1247.4	1207.9	1120.0
65°	970.7	979.5	979.5	983.9	975.0	979.5	962.0	948.8	931.2	887.4	830.2
67.5°	738.0	738.0	738.0	738.0	733.5	729.1	724.8	711.6	680.9	663.3	601.6
70°	566.6	540.2	540.2	540.2	540.2	544.7	531.6	514.0	505.1	474.4	430.5
72.5°	377.7	386.5	377.7	377.7	369.0	373.3	355.8	346.9	338.3	320.7	294.4
75°	272.3	250.4	259.1	263.5	250.4	259.1	241.6	224.0	224.0	210.9	197.6
77.5°	175.8	171.4	175.8	180.0	175.8	171.4	162.5	153.7	153.7	149.3	136.1
80°	127.5	123.0	123.0	123.0	118.6	123.0	114.2	114.2	105.4	101.1	92.3
82.5°	83.5	83.5	79.0	83.5	79.0	83.5	70.3	70.3	70.3	65.8	57.2
85°	57.2	48.3	48.3	52.8	43.9	52.8	48.3	43.9	39.6	39.6	35.1
87.5°	26.3	30.7	26.3	30.7	26.3	26.3	30.7	26.3	26.3	17.5	17.5
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°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	8951.6	8956.0	8956.0	8973.7	8982.3	8986.7	8986.7	9022.0	9008.8	9017.7	9026.3
5°	8824.4	8850.6	8859.5	8859.5	8907.7	8925.3	8942.8	8982.3	8986.7	9013.2	9043.9
7.5°	8701.3	8732.0	8749.7	8789.1	8819.9	8850.6	8903.4	8929.8	8956.0	8991.2	9030.7
10°	8582.7	8617.9	8653.0	8683.7	8732.0	8771.6	8806.7	8868.1	8899.1	8947.4	8999.9
12.5°	8468.6	8516.8	8547.6	8600.2	8653.0	8688.1	8740.9	8797.9	8846.3	8894.6	8956.0
15°	8367.5	8424.7	8459.7	8516.8	8574.0	8622.3	8679.3	8749.7	8784.8	8841.9	8899.1
17.5°	8257.6	8319.3	8363.2	8415.8	8486.1	8538.8	8587.2	8657.4	8701.3	8762.7	8828.8
20°	8143.5	8204.9	8257.6	8310.4	8380.7	8433.3	8490.5	8560.7	8609.1	8670.5	8723.3
22.5°	8007.4	8064.5	8121.4	8183.0	8253.3	8297.2	8363.2	8424.7	8477.2	8534.4	8587.2
25°	7831.6	7901.9	7945.9	8002.8	8060.0	8108.3	8178.6	8240.0	8284.0	8336.8	8385.1
27.5°	7625.2	7678.0	7713.0	7761.4	7818.4	7862.4	7914.9	7976.6	8020.5	8068.8	8103.9
30°	7273.7	7322.1	7352.9	7388.0	7445.1	7484.7	7528.6	7585.6	7616.3	7651.6	7682.3
32.5°	6812.5	6852.1	6869.6	6896.1	6935.6	6975.1	7010.3	7058.6	7071.7	7093.7	7093.7
35°	6145.0	6153.7	6149.4	6158.2	6175.7	6197.7	6228.4	6259.1	6276.6	6276.6	6263.6
37.5°	5363.1	5310.5	5253.3	5209.4	5196.2	5187.3	5205.0	5218.0	5235.7	5244.5	5222.6
40°	4550.6	4432.0	4304.5	4190.3	4111.3	4076.2	4063.0	4071.7	4071.7	4102.4	4102.4
42.5°	3852.2	3667.6	3478.8	3307.4	3193.2	3105.5	3065.9	3065.9	3070.2	3092.3	3105.5
45°	3272.4	3039.5	2819.9	2631.1	2472.9	2358.7	2306.0	2292.8	2288.5	2297.2	2327.9
47.5°	2828.7	2587.2	2358.7	2126.0	1959.1	1844.8	1796.5	1778.8	1761.3	1778.8	1783.4
50°	2481.8	2231.4	1989.8	1756.9	1581.2	1480.2	1418.7	1392.3	1387.9	1387.9	1396.8
52.5°	2165.3	1932.7	1691.1	1453.9	1269.3	1172.8	1115.7	1102.5	1084.9	1102.5	1102.5
55°	1866.7	1634.0	1396.8	1172.8	1019.0	918.1	865.3	847.7	838.8	852.1	852.1
57.5°	1541.8	1344.1	1124.6	922.4	768.8	698.4	658.8	637.0	632.5	641.3	632.5
60°	1265.0	1098.1	909.2	724.8	606.2	531.6	500.8	491.9	483.0	491.9	491.9
62.5°	1001.4	860.9	707.1	566.6	465.6	413.0	377.7	377.7	373.3	373.3	377.7
65°	742.3	632.5	522.7	404.1	325.1	285.5	259.1	259.1	254.7	259.1	254.7
67.5°	540.2	465.6	377.7	294.4	232.8	210.9	193.3	180.0	188.9	180.0	175.8
70°	395.4	333.7	272.3	224.0	180.0	158.2	144.9	140.5	131.8	131.8	131.8
72.5°	263.5	224.0	184.4	144.9	118.6	96.5	92.3	83.5	74.7	79.0	87.9
75°	175.8	149.3	131.8	105.4	79.0	79.0	52.8	52.8	43.9	52.8	39.6
77.5°	123.0	101.1	79.0	65.8	52.8	48.3	35.1	35.1	30.7	30.7	30.7
80°	87.9	74.7	57.2	48.3	35.1	35.1	30.7	26.3	21.9	21.9	26.3
82.5°	52.8	39.6	39.6	35.1	21.9	17.5	13.2	17.5	8.9	8.9	8.9
85°	30.7	26.3	21.9	13.2	8.9	8.9	4.4	0.0	4.4	4.4	0.0
87.5°	17.5	8.9	8.9	4.4	0.0	4.4	4.4	0.0	0.0	0.0	8.9
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°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	9048.4	9043.9	9052.7	9052.7	9079.1	9074.6	9087.8	9087.8	9079.1	9083.5	9101.0
5°	9079.1	9092.3	9118.6	9140.6	9180.0	9197.7	9219.6	9241.6	9246.0	9259.2	9272.4
7.5°	9079.1	9123.0	9153.7	9193.2	9246.0	9276.7	9325.0	9364.6	9382.1	9404.0	9430.4
10°	9061.4	9105.3	9162.5	9206.4	9272.4	9320.7	9369.0	9430.4	9456.8	9491.8	9527.2
12.5°	9026.3	9074.6	9136.0	9193.2	9267.9	9311.8	9373.2	9430.4	9470.0	9518.3	9557.9
15°	8973.7	9030.7	9087.8	9144.9	9223.9	9276.7	9333.9	9399.7	9439.3	9491.8	9527.2
17.5°	8890.2	8951.6	9004.4	9057.0	9131.8	9193.2	9246.0	9307.4	9347.0	9391.0	9439.3
20°	8789.1	8846.3	8903.4	8947.4	9022.0	9074.6	9131.8	9188.8	9219.6	9228.4	9303.2
22.5°	8661.9	8701.3	8745.1	8815.5	8859.5	8907.7	8960.5	9013.2	9043.9	9092.3	9118.6
25°	8450.9	8490.5	8538.8	8569.5	8622.3	8661.9	8714.4	8771.6	8789.1	8824.4	8850.6
27.5°	8156.7	8178.6	8200.7	8226.9	8257.6	8279.6	8310.4	8336.8	8354.4	8371.9	8389.3
30°	7691.0	7691.0	7691.0	7673.5	7686.7	7699.8	7704.2	7699.8	7699.8	7695.6	7695.6
32.5°	7076.1	7041.0	7001.4	6966.3	6953.1	6935.6	6926.8	6913.5	6891.7	6878.5	6882.8
35°	6245.9	6166.8	6118.6	6074.7	6039.6	6013.3	6000.0	5986.8	5982.4	5965.0	5947.2
37.5°	5209.4	5152.2	5117.3	5090.8	5060.1	5033.6	5038.0	5042.5	5055.6	5046.9	5051.2
40°	4111.3	4098.0	4111.3	4080.6	4071.7	4080.6	4102.4	4133.4	4150.8	4168.4	4199.2
42.5°	3127.4	3149.2	3180.2	3180.2	3193.2	3210.9	3237.1	3285.5	3311.8	3342.5	3377.8
45°	2354.3	2380.7	2420.2	2433.4	2442.2	2464.1	2495.0	2534.4	2552.0	2578.3	2609.0
47.5°	1814.1	1831.6	1853.5	1875.5	1897.4	1906.3	1937.0	1937.0	1959.1	1976.7	1985.3
50°	1414.4	1431.9	1449.5	1462.6	1471.5	1484.7	1493.4	1506.5	1510.9	1519.7	1524.1
52.5°	1106.9	1128.8	1128.8	1137.6	1150.7	1163.9	1159.6	1163.9	1168.3	1168.3	1181.5
55°	865.3	865.3	878.5	878.5	887.4	882.8	887.4	887.4	887.4	887.4	891.6
57.5°	645.6	650.2	663.3	654.4	650.2	658.8	650.2	658.8	654.4	663.3	650.2
60°	496.3	496.3	500.8	500.8	505.1	505.1	505.1	500.8	500.8	496.3	496.3
62.5°	373.3	377.7	382.1	377.7	377.7	377.7	373.3	373.3	369.0	364.4	364.4
65°	250.4	246.1	254.7	246.1	250.4	250.4	246.1	250.4	237.2	241.6	237.2
67.5°	180.0	175.8	171.4	175.8	171.4	166.9	166.9	171.4	175.8	162.5	162.5
70°	118.6	123.0	118.6	123.0	127.5	127.5	123.0	118.6	123.0	114.2	118.6
72.5°	74.7	74.7	74.7	74.7	74.7	79.0	79.0	79.0	70.3	70.3	65.8
75°	35.1	48.3	39.6	35.1	48.3	48.3	43.9	43.9	39.6	39.6	39.6
77.5°	35.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	21.9	26.3	21.9
80°	17.5	17.5	17.5	13.2	17.5	17.5	21.9	17.5	17.5	13.2	21.9
82.5°	8.9	8.9	8.9	0.0	4.4	8.9	8.9	4.4	8.9	8.9	4.4
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: P248648

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	9096.7	9092.3	9096.7	9101.0	9096.7	9092.3	9096.7	9101.0	9083.5	9079.1	9087.8
5°	9290.0	9290.0	9298.6	9303.2	9298.6	9290.0	9290.0	9272.4	9259.2	9246.0	9241.6
7.5°	9456.8	9465.6	9474.4	9478.7	9474.4	9465.6	9456.8	9430.4	9404.0	9382.1	9364.6
10°	9557.9	9571.1	9588.6	9597.3	9588.6	9571.1	9557.9	9527.2	9491.8	9456.8	9430.4
12.5°	9601.8	9615.0	9636.9	9632.5	9636.9	9615.0	9601.8	9557.9	9518.3	9470.0	9430.4
15°	9571.1	9588.6	9610.4	9619.3	9610.4	9588.6	9571.1	9527.2	9491.8	9439.3	9399.7
17.5°	9474.4	9500.7	9513.9	9527.2	9513.9	9500.7	9474.4	9439.3	9391.0	9347.0	9307.4
20°	9342.5	9360.2	9377.8	9382.1	9377.8	9360.2	9342.5	9303.2	9228.4	9219.6	9188.8
22.5°	9153.7	9167.0	9206.4	9193.2	9206.4	9167.0	9153.7	9118.6	9092.3	9043.9	9013.2
25°	8881.3	8894.6	8899.1	8903.4	8899.1	8894.6	8881.3	8850.6	8824.4	8789.1	8771.6
27.5°	8411.4	8411.4	8420.2	8424.7	8420.2	8411.4	8411.4	8389.3	8371.9	8354.4	8336.8
30°	7699.8	7699.8	7699.8	7721.9	7699.8	7699.8	7699.8	7695.6	7695.6	7699.8	7699.8
32.5°	6878.5	6869.6	6861.0	6869.6	6861.0	6869.6	6878.5	6882.8	6878.5	6891.7	6913.5
35°	5947.2	5942.9	5956.1	5938.5	5956.1	5942.9	5947.2	5947.2	5965.0	5982.4	5986.8
37.5°	5055.6	5046.9	5064.5	5046.9	5064.5	5046.9	5055.6	5051.2	5046.9	5055.6	5042.5
40°	4208.0	4216.6	4216.6	4252.0	4216.6	4216.6	4208.0	4199.2	4168.4	4150.8	4133.4
42.5°	3395.3	3421.7	3412.9	3439.2	3412.9	3421.7	3395.3	3377.8	3342.5	3311.8	3285.5
45°	2626.6	2644.3	2644.3	2653.0	2644.3	2644.3	2626.6	2609.0	2578.3	2552.0	2534.4
47.5°	2016.0	2016.0	2016.0	2020.6	2016.0	2016.0	2016.0	1985.3	1976.7	1959.1	1937.0
50°	1533.0	1537.3	1541.8	1546.2	1541.8	1537.3	1533.0	1524.1	1519.7	1510.9	1506.5
52.5°	1177.2	1181.5	1172.8	1181.5	1172.8	1181.5	1177.2	1181.5	1168.3	1168.3	1163.9
55°	891.6	887.4	891.6	896.0	891.6	887.4	891.6	891.6	887.4	887.4	887.4
57.5°	654.4	645.6	645.6	645.6	645.6	645.6	654.4	650.2	663.3	654.4	658.8
60°	487.6	491.9	491.9	496.3	491.9	491.9	487.6	496.3	496.3	500.8	500.8
62.5°	360.2	373.3	364.4	373.3	364.4	373.3	360.2	364.4	364.4	369.0	373.3
65°	232.8	232.8	232.8	237.2	232.8	232.8	232.8	237.2	241.6	237.2	250.4
67.5°	158.2	162.5	171.4	166.9	171.4	162.5	158.2	162.5	162.5	175.8	171.4
70°	127.5	114.2	114.2	127.5	114.2	114.2	127.5	118.6	114.2	123.0	118.6
72.5°	74.7	65.8	74.7	74.7	74.7	65.8	74.7	65.8	70.3	70.3	79.0
75°	39.6	35.1	30.7	43.9	30.7	35.1	39.6	39.6	39.6	39.6	43.9
77.5°	26.3	21.9	30.7	30.7	30.7	21.9	26.3	21.9	26.3	21.9	26.3
80°	13.2	17.5	13.2	21.9	13.2	17.5	13.2	21.9	13.2	17.5	17.5
82.5°	4.4	8.9	8.9	8.9	8.9	8.9	4.4	4.4	8.9	8.9	4.4
85°	0.0	8.9	4.4	4.4	4.4	8.9	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.0	0.0	4.4	0.0	0.0	4.4	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: P248648

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	9087.8	9074.6	9079.1	9052.7	9052.7	9043.9	9048.4	9026.3	9017.7	9008.8	9022.0
5°	9219.6	9197.7	9180.0	9140.6	9118.6	9092.3	9079.1	9043.9	9013.2	8986.7	8982.3
7.5°	9325.0	9276.7	9246.0	9193.2	9153.7	9123.0	9079.1	9030.7	8991.2	8956.0	8929.8
10°	9369.0	9320.7	9272.4	9206.4	9162.5	9105.3	9061.4	8999.9	8947.4	8899.1	8868.1
12.5°	9373.2	9311.8	9267.9	9193.2	9136.0	9074.6	9026.3	8956.0	8894.6	8846.3	8797.9
15°	9333.9	9276.7	9223.9	9144.9	9087.8	9030.7	8973.7	8899.1	8841.9	8784.8	8749.7
17.5°	9246.0	9193.2	9131.8	9057.0	9004.4	8951.6	8890.2	8828.8	8762.7	8701.3	8657.4
20°	9131.8	9074.6	9022.0	8947.4	8903.4	8846.3	8789.1	8723.3	8670.5	8609.1	8560.7
22.5°	8960.5	8907.7	8859.5	8815.5	8745.1	8701.3	8661.9	8587.2	8534.4	8477.2	8424.7
25°	8714.4	8661.9	8622.3	8569.5	8538.8	8490.5	8450.9	8385.1	8336.8	8284.0	8240.0
27.5°	8310.4	8279.6	8257.6	8226.9	8200.7	8178.6	8156.7	8103.9	8068.8	8020.5	7976.6
30°	7704.2	7699.8	7686.7	7673.5	7691.0	7691.0	7691.0	7682.3	7651.6	7616.3	7585.6
32.5°	6926.8	6935.6	6953.1	6966.3	7001.4	7041.0	7076.1	7093.7	7093.7	7071.7	7058.6
35°	6000.0	6013.3	6039.6	6074.7	6118.6	6166.8	6245.9	6263.6	6276.6	6276.6	6259.1
37.5°	5038.0	5033.6	5060.1	5090.8	5117.3	5152.2	5209.4	5222.6	5244.5	5235.7	5218.0
40°	4102.4	4080.6	4071.7	4080.6	4111.3	4098.0	4111.3	4102.4	4102.4	4071.7	4071.7
42.5°	3237.1	3210.9	3193.2	3180.2	3180.2	3149.2	3127.4	3105.5	3092.3	3070.2	3065.9
45°	2495.0	2464.1	2442.2	2433.4	2420.2	2380.7	2354.3	2327.9	2297.2	2288.5	2292.8
47.5°	1937.0	1906.3	1897.4	1875.5	1853.5	1831.6	1814.1	1783.4	1778.8	1761.3	1778.8
50°	1493.4	1484.7	1471.5	1462.6	1449.5	1431.9	1414.4	1396.8	1387.9	1387.9	1392.3
52.5°	1159.6	1163.9	1150.7	1137.6	1128.8	1128.8	1106.9	1102.5	1102.5	1084.9	1102.5
55°	887.4	882.8	887.4	878.5	878.5	865.3	865.3	852.1	852.1	838.8	847.7
57.5°	650.2	658.8	650.2	654.4	663.3	650.2	645.6	632.5	641.3	632.5	637.0
60°	505.1	505.1	505.1	500.8	500.8	496.3	496.3	491.9	491.9	483.0	491.9
62.5°	373.3	377.7	377.7	377.7	382.1	377.7	373.3	377.7	373.3	373.3	377.7
65°	246.1	250.4	250.4	246.1	254.7	246.1	250.4	254.7	259.1	254.7	259.1
67.5°	166.9	166.9	171.4	175.8	171.4	175.8	180.0	175.8	180.0	188.9	180.0
70°	123.0	127.5	127.5	123.0	118.6	123.0	118.6	131.8	131.8	131.8	140.5
72.5°	79.0	79.0	74.7	74.7	74.7	74.7	74.7	87.9	79.0	74.7	83.5
75°	43.9	48.3	48.3	35.1	39.6	48.3	35.1	39.6	52.8	43.9	52.8
77.5°	26.3	26.3	26.3	26.3	26.3	26.3	35.1	30.7	30.7	30.7	35.1
80°	21.9	17.5	17.5	13.2	17.5	17.5	17.5	26.3	21.9	21.9	26.3
82.5°	8.9	8.9	4.4	0.0	8.9	8.9	8.9	8.9	8.9	8.9	17.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	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: P248648

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	8986.7	8986.7	8982.3	8973.7	8956.0	8956.0	8951.6	8938.5	8929.8	8925.3	8925.3
5°	8942.8	8925.3	8907.7	8859.5	8859.5	8850.6	8824.4	8806.7	8797.9	8776.0	8767.2
7.5°	8903.4	8850.6	8819.9	8789.1	8749.7	8732.0	8701.3	8688.1	8657.4	8635.4	8622.3
10°	8806.7	8771.6	8732.0	8683.7	8653.0	8617.9	8582.7	8556.5	8516.8	8494.8	8477.2
12.5°	8740.9	8688.1	8653.0	8600.2	8547.6	8516.8	8468.6	8437.9	8398.2	8354.4	8327.9
15°	8679.3	8622.3	8574.0	8516.8	8459.7	8424.7	8367.5	8332.4	8275.3	8231.4	8200.7
17.5°	8587.2	8538.8	8486.1	8415.8	8363.2	8319.3	8257.6	8213.8	8161.0	8103.9	8073.2
20°	8490.5	8433.3	8380.7	8310.4	8257.6	8204.9	8143.5	8095.2	8033.5	7981.0	7945.9
22.5°	8363.2	8297.2	8253.3	8183.0	8121.4	8064.5	8007.4	7950.2	7893.1	7849.1	7809.6
25°	8178.6	8108.3	8060.0	8002.8	7945.9	7901.9	7831.6	7796.6	7739.4	7699.8	7660.2
27.5°	7914.9	7862.4	7818.4	7761.4	7713.0	7678.0	7625.2	7590.1	7541.6	7506.6	7475.8
30°	7528.6	7484.7	7445.1	7388.0	7352.9	7322.1	7273.7	7243.0	7207.9	7168.3	7159.6
32.5°	7010.3	6975.1	6935.6	6896.1	6869.6	6852.1	6812.5	6794.9	6759.9	6737.9	6715.9
35°	6228.4	6197.7	6175.7	6158.2	6149.4	6153.7	6145.0	6162.6	6171.2	6166.8	6171.2
37.5°	5205.0	5187.3	5196.2	5209.4	5253.3	5310.5	5363.1	5442.1	5494.9	5547.7	5595.9
40°	4063.0	4076.2	4111.3	4190.3	4304.5	4432.0	4550.6	4699.9	4849.2	4954.7	5051.2
42.5°	3065.9	3105.5	3193.2	3307.4	3478.8	3667.6	3852.2	4071.7	4252.0	4427.5	4550.6
45°	2306.0	2358.7	2472.9	2631.1	2819.9	3039.5	3272.4	3518.3	3733.6	3913.6	4049.8
47.5°	1796.5	1844.8	1959.1	2126.0	2358.7	2587.2	2828.7	3083.4	3307.4	3483.2	3601.8
50°	1418.7	1480.2	1581.2	1756.9	1989.8	2231.4	2481.8	2732.0	2943.0	3092.3	3197.7
52.5°	1115.7	1172.8	1269.3	1453.9	1691.1	1932.7	2165.3	2411.4	2595.8	2740.8	2811.1
55°	865.3	918.1	1019.0	1172.8	1396.8	1634.0	1866.7	2077.7	2249.0	2354.3	2420.2
57.5°	658.8	698.4	768.8	922.4	1124.6	1344.1	1541.8	1752.6	1884.4	1959.1	2002.9
60°	500.8	531.6	606.2	724.8	909.2	1098.1	1265.0	1423.2	1528.6	1590.1	1634.0
62.5°	377.7	413.0	465.6	566.6	707.1	860.9	1001.4	1120.0	1207.9	1247.4	1278.2
65°	259.1	285.5	325.1	404.1	522.7	632.5	742.3	830.2	887.4	931.2	948.8
67.5°	193.3	210.9	232.8	294.4	377.7	465.6	540.2	601.6	663.3	680.9	711.6
70°	144.9	158.2	180.0	224.0	272.3	333.7	395.4	430.5	474.4	505.1	514.0
72.5°	92.3	96.5	118.6	144.9	184.4	224.0	263.5	294.4	320.7	338.3	346.9
75°	52.8	79.0	79.0	105.4	131.8	149.3	175.8	197.6	210.9	224.0	224.0
77.5°	35.1	48.3	52.8	65.8	79.0	101.1	123.0	136.1	149.3	153.7	153.7
80°	30.7	35.1	35.1	48.3	57.2	74.7	87.9	92.3	101.1	105.4	114.2
82.5°	13.2	17.5	21.9	35.1	39.6	39.6	52.8	57.2	65.8	70.3	70.3
85°	4.4	8.9	8.9	13.2	21.9	26.3	30.7	35.1	39.6	39.6	43.9
87.5°	4.4	4.4	0.0	4.4	8.9	8.9	17.5	17.5	17.5	26.3	26.3
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: P248648

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6	8995.6
2.5°	8916.5	8920.9	8903.4	8899.1	8890.2	8894.6	8903.4
5°	8754.0	8758.4	8740.9	8723.3	8723.3	8718.8	8723.3
7.5°	8600.2	8604.7	8578.3	8569.5	8551.9	8556.5	8556.5
10°	8446.5	8446.5	8407.2	8402.6	8389.3	8385.1	8385.1
12.5°	8297.2	8284.0	8253.3	8235.8	8244.6	8218.2	8218.2
15°	8165.4	8143.5	8103.9	8090.7	8068.8	8060.0	8060.0
17.5°	8029.3	8011.7	7976.6	7950.2	7923.9	7919.5	7923.9
20°	7897.4	7880.0	7836.0	7818.4	7796.6	7796.6	7787.7
22.5°	7765.6	7748.1	7708.7	7695.6	7664.7	7664.7	7669.1
25°	7629.5	7616.3	7572.4	7563.7	7559.4	7541.6	7550.5
27.5°	7445.1	7436.3	7401.2	7388.0	7370.5	7366.1	7374.7
30°	7106.8	7093.7	7067.5	7054.2	7023.5	7027.9	7036.5
32.5°	6685.2	6667.7	6632.4	6619.3	6593.0	6584.2	6588.5
35°	6158.2	6145.0	6114.3	6114.3	6087.9	6079.1	6087.9
37.5°	5622.4	5635.4	5622.4	5635.4	5622.4	5617.8	5622.4
40°	5117.3	5165.5	5174.2	5222.6	5205.0	5231.3	5226.9
42.5°	4634.0	4712.9	4743.8	4783.3	4774.6	4792.2	4805.3
45°	4146.4	4212.3	4243.1	4269.4	4273.8	4282.7	4287.0
47.5°	3685.2	3738.0	3742.2	3772.9	3768.7	3768.7	3781.8
50°	3254.8	3289.9	3298.5	3320.6	3303.1	3294.3	3298.5
52.5°	2855.1	2890.2	2881.3	2890.2	2868.3	2859.4	2863.8
55°	2446.5	2464.1	2464.1	2464.1	2437.8	2437.8	2437.8
57.5°	2029.2	2033.7	2024.9	2029.2	2024.9	1998.5	1994.1
60°	1647.2	1647.2	1642.7	1647.2	1634.0	1620.9	1620.9
62.5°	1286.9	1295.8	1313.3	1295.8	1286.9	1295.8	1282.5
65°	962.0	979.5	975.0	983.9	979.5	979.5	970.7
67.5°	724.8	729.1	733.5	738.0	738.0	738.0	738.0
70°	531.6	544.7	540.2	540.2	540.2	540.2	566.6
72.5°	355.8	373.3	369.0	377.7	377.7	386.5	377.7
75°	241.6	259.1	250.4	263.5	259.1	250.4	272.3
77.5°	162.5	171.4	175.8	180.0	175.8	171.4	175.8
80°	114.2	123.0	118.6	123.0	123.0	123.0	127.5
82.5°	70.3	83.5	79.0	83.5	79.0	83.5	83.5
85°	48.3	52.8	43.9	52.8	48.3	48.3	57.2
87.5°	30.7	26.3	26.3	30.7	26.3	30.7	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)