

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: P248747

Luminaire Tested: **LD8B175D010 ER8B175927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248747
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 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14247.0 lumens
Efficiency: N/A
Efficacy: 80.4 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

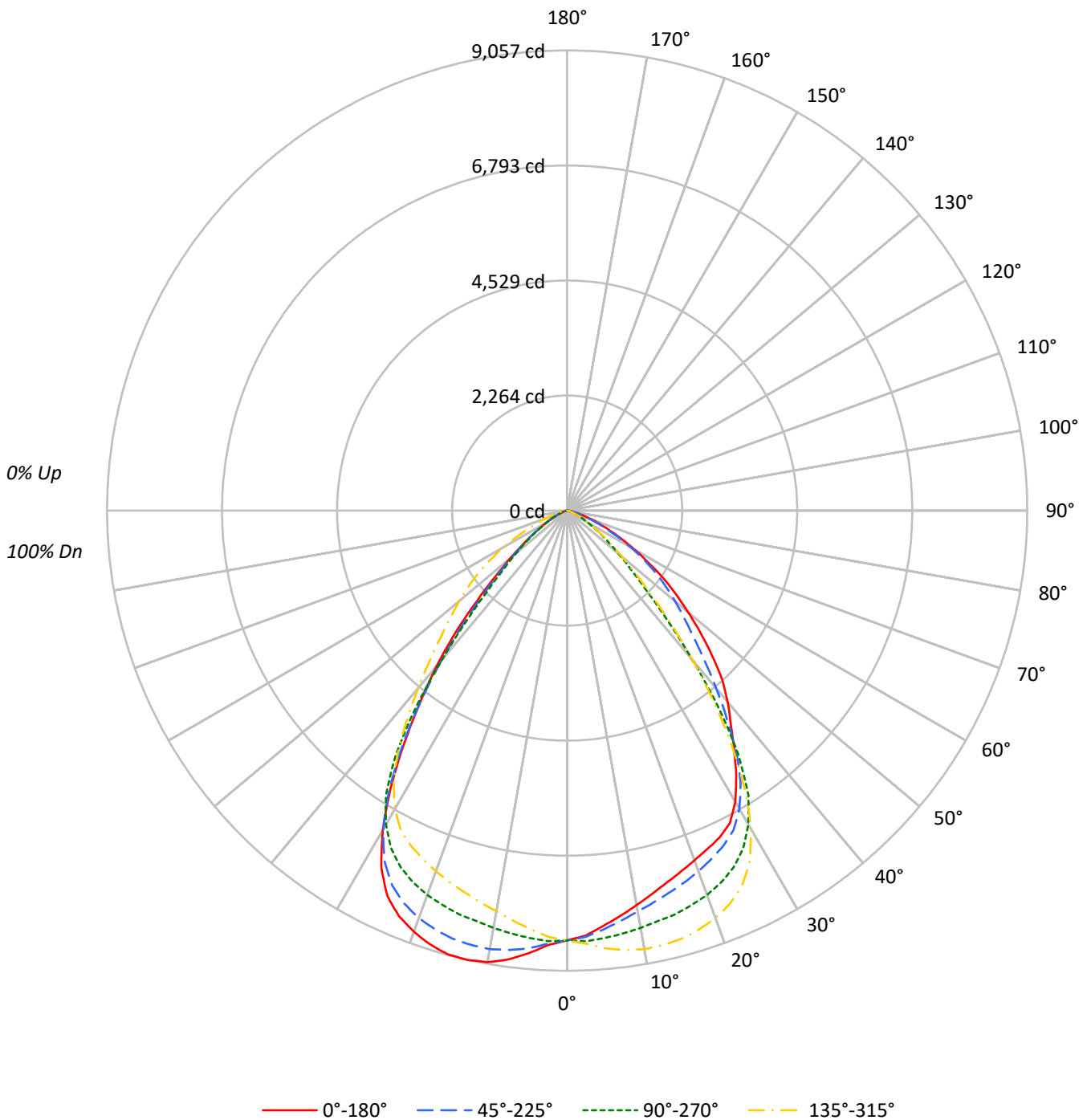
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	805.0	5.7
10°-20°	2331.2	16.4
20°-30°	3530.0	24.8
30°-40°	3537.9	24.8
40°-50°	2221.6	15.6
50°-60°	1183.9	8.3
60°-70°	486.8	3.4
70°-80°	128.6	0.9
80°-90°	21.7	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°	6666.3	46.8
0°-40°	10204.2	71.6
0°-60°	13609.8	95.5
0°-90°	14247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14247.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8458	8458	8458	8458	8458	
5°	8202	8446	8747	8446	8202	773
15°	7578	8227	9044	8227	7578	2143
25°	7099	7748	8371	7748	7099	3256
35°	5724	5885	5584	5885	5724	3586
45°	4031	2156	2494	2156	4031	3100
55°	2292	797	842	797	2292	2044
65°	913	244	223	244	913	947
75°	256	50	41	50	256	290
85°	54	0	4	0	54	59
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°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8371.4	8362.9	8358.9	8367.2	8371.4	8387.8	8383.7	8391.8	8391.8	8396.1	8404.3
5°	8202.0	8197.8	8202.0	8202.0	8218.5	8235.0	8230.8	8243.3	8251.4	8272.2	8280.3
7.5°	8045.1	8045.1	8040.8	8057.4	8065.7	8090.4	8086.3	8107.0	8119.4	8139.9	8168.8
10°	7883.9	7883.9	7888.0	7900.4	7904.7	7941.7	7941.7	7970.6	7987.2	8007.9	8045.1
12.5°	7727.1	7727.1	7751.8	7743.5	7760.0	7788.9	7801.3	7830.2	7855.1	7896.4	7933.6
15°	7578.3	7578.3	7586.7	7607.2	7619.6	7656.9	7677.4	7710.5	7739.4	7780.7	7834.5
17.5°	7450.3	7446.3	7450.3	7475.1	7499.9	7532.9	7549.4	7590.7	7619.6	7673.3	7723.0
20°	7322.3	7330.6	7330.6	7351.2	7367.6	7409.0	7425.4	7471.0	7504.0	7553.5	7611.4
22.5°	7210.8	7206.8	7206.8	7235.6	7248.0	7285.0	7301.6	7342.9	7380.1	7421.4	7475.1
25°	7099.3	7091.0	7107.6	7111.7	7119.8	7161.2	7173.6	7202.5	7239.7	7277.0	7330.6
27.5°	6934.0	6925.8	6930.0	6946.4	6958.8	6991.9	7000.2	7029.1	7057.9	7091.0	7136.6
30°	6616.0	6607.8	6603.8	6632.7	6645.0	6669.7	6682.2	6731.8	6739.9	6777.1	6810.1
32.5°	6194.7	6190.7	6199.0	6223.6	6236.1	6269.2	6285.7	6314.6	6335.2	6355.9	6388.9
35°	5724.0	5715.7	5724.0	5748.9	5748.9	5777.8	5790.2	5802.4	5798.4	5802.4	5794.3
37.5°	5286.4	5282.1	5286.4	5298.5	5286.4	5298.5	5286.4	5261.5	5216.2	5166.4	5116.8
40°	4914.6	4918.6	4894.0	4910.5	4865.0	4856.7	4811.4	4749.3	4658.5	4559.4	4419.0
42.5°	4518.1	4505.7	4489.2	4497.4	4460.4	4431.3	4357.0	4278.6	4162.8	3997.8	3828.4
45°	4030.8	4026.7	4018.4	4014.3	3989.5	3960.6	3898.6	3807.8	3679.8	3510.4	3308.0
47.5°	3555.8	3543.4	3543.4	3547.5	3518.7	3514.5	3464.9	3386.5	3275.0	3109.8	2899.1
50°	3101.5	3097.4	3105.7	3122.2	3101.5	3093.3	3060.3	3006.6	2907.5	2767.0	2568.7
52.5°	2692.7	2688.5	2696.8	2717.4	2709.1	2717.4	2684.5	2643.2	2577.0	2440.7	2267.3
55°	2292.2	2292.2	2292.2	2316.8	2316.8	2316.8	2300.3	2275.6	2213.5	2114.5	1953.6
57.5°	1875.0	1879.1	1903.8	1908.0	1903.8	1912.2	1908.0	1883.1	1842.0	1771.8	1647.9
60°	1523.9	1523.9	1536.4	1548.8	1544.5	1548.8	1548.8	1536.4	1495.0	1437.3	1338.2
62.5°	1205.9	1218.3	1209.9	1218.3	1234.8	1218.3	1209.9	1201.8	1172.9	1135.7	1053.1
65°	912.7	921.0	921.0	925.1	916.8	921.0	904.5	892.1	875.6	834.3	780.6
67.5°	693.9	693.9	693.9	693.9	689.6	685.6	681.5	669.0	640.1	623.7	565.8
70°	532.8	507.9	507.9	507.9	507.9	512.2	499.7	483.3	475.0	446.1	404.8
72.5°	355.2	363.5	355.2	355.2	347.0	351.0	334.6	326.2	318.0	301.6	276.8
75°	256.0	235.5	243.6	247.8	235.5	243.6	227.1	210.6	210.6	198.2	185.8
77.5°	165.3	161.1	165.3	169.3	165.3	161.1	152.8	144.5	144.5	140.4	128.0
80°	119.8	115.5	115.5	115.5	111.5	115.5	107.4	107.4	99.1	95.1	86.7
82.5°	78.5	78.5	74.2	78.5	74.2	78.5	66.1	66.1	66.1	61.9	53.7
85°	53.7	45.3	45.3	49.6	41.3	49.6	45.3	41.3	37.2	37.2	33.0
87.5°	24.9	28.9	24.9	28.9	24.9	24.9	28.9	24.9	24.9	16.5	16.5
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°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8416.7	8420.7	8420.7	8437.4	8445.6	8449.6	8449.6	8482.8	8470.4	8478.8	8486.9
5°	8297.0	8321.6	8329.9	8329.9	8375.4	8391.8	8408.4	8445.6	8449.6	8474.5	8503.4
7.5°	8181.2	8210.1	8226.8	8263.9	8292.7	8321.6	8371.4	8396.1	8420.7	8453.9	8490.9
10°	8069.7	8102.9	8135.9	8164.8	8210.1	8247.4	8280.3	8338.2	8367.2	8412.6	8462.0
12.5°	7962.5	8007.9	8036.8	8086.3	8135.9	8168.8	8218.5	8272.2	8317.6	8362.9	8420.7
15°	7867.5	7921.1	7954.2	8007.9	8061.5	8107.0	8160.6	8226.8	8259.8	8313.5	8367.2
17.5°	7764.1	7822.0	7863.4	7912.8	7979.0	8028.4	8074.0	8139.9	8181.2	8239.1	8301.0
20°	7656.9	7714.6	7764.1	7813.7	7879.8	7929.3	7983.0	8049.2	8094.6	8152.3	8202.0
22.5°	7528.8	7582.5	7636.0	7693.9	7760.0	7801.3	7863.4	7921.1	7970.6	8024.4	8074.0
25°	7363.6	7429.7	7471.0	7524.6	7578.3	7623.7	7689.8	7747.6	7788.9	7838.6	7883.9
27.5°	7169.5	7219.1	7252.1	7297.4	7351.2	7392.5	7442.0	7499.9	7541.2	7586.7	7619.6
30°	6839.0	6884.6	6913.5	6946.4	7000.2	7037.4	7078.7	7132.3	7161.2	7194.3	7223.2
32.5°	6405.4	6442.7	6459.1	6483.9	6521.2	6558.2	6591.4	6636.7	6649.1	6669.7	6669.7
35°	5777.8	5785.9	5781.8	5790.2	5806.7	5827.3	5856.2	5885.0	5901.5	5901.5	5889.3
37.5°	5042.6	4993.1	4939.4	4898.0	4885.7	4877.3	4894.0	4906.2	4922.9	4931.1	4910.5
40°	4278.6	4167.1	4047.3	3939.9	3865.6	3832.5	3820.2	3828.4	3828.4	3857.2	3857.2
42.5°	3621.9	3448.4	3270.9	3109.8	3002.4	2919.9	2882.7	2882.7	2886.8	2907.5	2919.9
45°	3076.8	2857.8	2651.3	2473.9	2325.2	2217.7	2168.2	2155.8	2151.7	2159.9	2188.8
47.5°	2659.6	2432.6	2217.7	1998.9	1842.0	1734.5	1689.2	1672.5	1656.0	1672.5	1676.8
50°	2333.5	2098.0	1870.9	1652.0	1486.7	1391.7	1333.9	1309.0	1305.0	1305.0	1313.3
52.5°	2035.9	1817.2	1590.1	1367.1	1193.5	1102.7	1049.0	1036.6	1020.2	1036.6	1036.6
55°	1755.1	1536.4	1313.3	1102.7	958.0	863.2	813.6	797.1	788.7	801.1	801.1
57.5°	1449.7	1263.7	1057.4	867.3	722.8	656.7	619.4	598.8	594.7	603.0	594.7
60°	1189.5	1032.5	854.9	681.5	569.9	499.7	470.9	462.5	454.2	462.5	462.5
62.5°	941.6	809.4	664.9	532.8	437.7	388.2	355.2	355.2	351.0	351.0	355.2
65°	697.9	594.7	491.4	379.9	305.7	268.4	243.6	243.6	239.5	243.6	239.5
67.5°	507.9	437.7	355.2	276.8	218.9	198.2	181.7	169.3	177.6	169.3	165.3
70°	371.8	313.8	256.0	210.6	169.3	148.7	136.4	132.1	124.0	124.0	124.0
72.5°	247.8	210.6	173.4	136.4	111.5	90.8	86.7	78.5	70.2	74.2	82.6
75°	165.3	140.4	124.0	99.1	74.2	74.2	49.6	49.6	41.3	49.6	37.2
77.5°	115.5	95.1	74.2	61.9	49.6	45.3	33.0	33.0	28.9	28.9	28.9
80°	82.6	70.2	53.7	45.3	33.0	33.0	28.9	24.9	20.6	20.6	24.9
82.5°	49.6	37.2	37.2	33.0	20.6	16.5	12.4	16.5	8.3	8.3	8.3
85°	28.9	24.9	20.6	12.4	8.3	8.3	4.0	0.0	4.0	4.0	0.0
87.5°	16.5	8.3	8.3	4.0	0.0	4.0	4.0	0.0	0.0	0.0	8.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8507.6	8503.4	8511.8	8511.8	8536.5	8532.2	8544.7	8544.7	8536.5	8540.7	8557.1
5°	8536.5	8549.0	8573.6	8594.3	8631.3	8648.0	8668.6	8689.4	8693.4	8705.8	8718.3
7.5°	8536.5	8577.8	8606.7	8643.8	8693.4	8722.4	8767.7	8804.9	8821.5	8842.1	8866.8
10°	8519.8	8561.1	8614.9	8656.2	8718.3	8763.6	8809.0	8866.8	8891.7	8924.6	8957.8
12.5°	8486.9	8532.2	8590.1	8643.8	8714.0	8755.3	8813.1	8866.8	8904.0	8949.5	8986.6
15°	8437.4	8490.9	8544.7	8598.4	8672.7	8722.4	8776.0	8837.9	8875.1	8924.6	8957.8
17.5°	8358.9	8416.7	8466.3	8515.8	8586.0	8643.8	8693.4	8751.3	8788.5	8829.8	8875.1
20°	8263.9	8317.6	8371.4	8412.6	8482.8	8532.2	8586.0	8639.7	8668.6	8676.9	8747.1
22.5°	8144.2	8181.2	8222.5	8288.7	8329.9	8375.4	8425.0	8474.5	8503.4	8549.0	8573.6
25°	7945.8	7983.0	8028.4	8057.4	8107.0	8144.2	8193.7	8247.4	8263.9	8297.0	8321.6
27.5°	7669.2	7689.8	7710.5	7735.2	7764.1	7784.9	7813.7	7838.6	7855.1	7871.5	7888.0
30°	7231.4	7231.4	7231.4	7214.8	7227.2	7239.7	7243.8	7239.7	7239.7	7235.6	7235.6
32.5°	6653.2	6620.3	6583.0	6550.1	6537.6	6521.2	6512.8	6500.4	6479.8	6467.4	6471.4
35°	5872.6	5798.4	5752.9	5711.6	5678.7	5653.8	5641.4	5629.0	5625.0	5608.5	5591.8
37.5°	4898.0	4844.4	4811.4	4786.5	4757.6	4732.9	4736.9	4741.2	4753.5	4745.2	4749.3
40°	3865.6	3853.1	3865.6	3836.7	3828.4	3836.7	3857.2	3886.3	3902.7	3919.3	3948.2
42.5°	2940.5	2961.0	2990.1	2990.1	3002.4	3019.0	3043.7	3089.2	3113.9	3142.8	3175.9
45°	2213.5	2238.4	2275.6	2287.9	2296.2	2316.8	2345.8	2382.9	2399.4	2424.3	2453.1
47.5°	1705.7	1722.2	1742.7	1763.4	1784.0	1792.4	1821.3	1821.3	1842.0	1858.5	1866.6
50°	1329.9	1346.3	1362.8	1375.2	1383.5	1395.9	1404.1	1416.5	1420.6	1429.0	1433.0
52.5°	1040.6	1061.4	1061.4	1069.5	1082.0	1094.4	1090.4	1094.4	1098.4	1098.4	1110.8
55°	813.6	813.6	826.0	826.0	834.3	830.0	834.3	834.3	834.3	834.3	838.4
57.5°	607.1	611.3	623.7	615.4	611.3	619.4	611.3	619.4	615.4	623.7	611.3
60°	466.6	466.6	470.9	470.9	475.0	475.0	475.0	470.9	470.9	466.6	466.6
62.5°	351.0	355.2	359.3	355.2	355.2	355.2	351.0	351.0	347.0	342.7	342.7
65°	235.5	231.3	239.5	231.3	235.5	235.5	231.3	235.5	223.0	227.1	223.0
67.5°	169.3	165.3	161.1	165.3	161.1	156.9	156.9	161.1	165.3	152.8	152.8
70°	111.5	115.5	111.5	115.5	119.8	119.8	115.5	111.5	115.5	107.4	111.5
72.5°	70.2	70.2	70.2	70.2	70.2	74.2	74.2	74.2	66.1	66.1	61.9
75°	33.0	45.3	37.2	33.0	45.3	45.3	41.3	41.3	37.2	37.2	37.2
77.5°	33.0	24.9	24.9	24.9	24.9	24.9	24.9	24.9	20.6	24.9	20.6
80°	16.5	16.5	16.5	12.4	16.5	16.5	20.6	16.5	16.5	12.4	20.6
82.5°	8.3	8.3	8.3	0.0	4.0	8.3	8.3	4.0	8.3	8.3	4.0
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: P248747

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8553.0	8549.0	8553.0	8557.1	8553.0	8549.0	8553.0	8557.1	8540.7	8536.5	8544.7
5°	8734.7	8734.7	8742.9	8747.1	8742.9	8734.7	8734.7	8718.3	8705.8	8693.4	8689.4
7.5°	8891.7	8900.0	8908.1	8912.2	8908.1	8900.0	8891.7	8866.8	8842.1	8821.5	8804.9
10°	8986.6	8999.1	9015.5	9023.7	9015.5	8999.1	8986.6	8957.8	8924.6	8891.7	8866.8
12.5°	9028.0	9040.4	9061.0	9056.8	9061.0	9040.4	9028.0	8986.6	8949.5	8904.0	8866.8
15°	8999.1	9015.5	9036.1	9044.4	9036.1	9015.5	8999.1	8957.8	8924.6	8875.1	8837.9
17.5°	8908.1	8932.9	8945.3	8957.8	8945.3	8932.9	8908.1	8875.1	8829.8	8788.5	8751.3
20°	8784.2	8800.9	8817.3	8821.5	8817.3	8800.9	8784.2	8747.1	8676.9	8668.6	8639.7
22.5°	8606.7	8619.2	8656.2	8643.8	8656.2	8619.2	8606.7	8573.6	8549.0	8503.4	8474.5
25°	8350.5	8362.9	8367.2	8371.4	8367.2	8362.9	8350.5	8321.6	8297.0	8263.9	8247.4
27.5°	7908.8	7908.8	7917.0	7921.1	7917.0	7908.8	7908.8	7888.0	7871.5	7855.1	7838.6
30°	7239.7	7239.7	7239.7	7260.4	7239.7	7239.7	7239.7	7235.6	7235.6	7239.7	7239.7
32.5°	6467.4	6459.1	6451.0	6459.1	6451.0	6459.1	6467.4	6471.4	6467.4	6479.8	6500.4
35°	5591.8	5587.8	5600.1	5583.6	5600.1	5587.8	5591.8	5591.8	5608.5	5625.0	5629.0
37.5°	4753.5	4745.2	4761.8	4745.2	4761.8	4745.2	4753.5	4749.3	4745.2	4753.5	4741.2
40°	3956.5	3964.6	3964.6	3997.8	3964.6	3964.6	3956.5	3948.2	3919.3	3902.7	3886.3
42.5°	3192.4	3217.3	3208.8	3233.7	3208.8	3217.3	3192.4	3175.9	3142.8	3113.9	3089.2
45°	2469.6	2486.2	2486.2	2494.5	2486.2	2486.2	2469.6	2453.1	2424.3	2399.4	2382.9
47.5°	1895.5	1895.5	1895.5	1899.8	1895.5	1895.5	1895.5	1866.6	1858.5	1842.0	1821.3
50°	1441.4	1445.4	1449.7	1453.7	1449.7	1445.4	1441.4	1433.0	1429.0	1420.6	1416.5
52.5°	1106.8	1110.8	1102.7	1110.8	1102.7	1110.8	1106.8	1110.8	1098.4	1098.4	1094.4
55°	838.4	834.3	838.4	842.5	838.4	834.3	838.4	838.4	834.3	834.3	834.3
57.5°	615.4	607.1	607.1	607.1	607.1	607.1	615.4	611.3	623.7	615.4	619.4
60°	458.4	462.5	462.5	466.6	462.5	462.5	458.4	466.6	466.6	470.9	470.9
62.5°	338.6	351.0	342.7	351.0	342.7	351.0	338.6	342.7	342.7	347.0	351.0
65°	218.9	218.9	218.9	223.0	218.9	218.9	218.9	223.0	227.1	223.0	235.5
67.5°	148.7	152.8	161.1	156.9	161.1	152.8	148.7	152.8	152.8	165.3	161.1
70°	119.8	107.4	107.4	119.8	107.4	107.4	119.8	111.5	107.4	115.5	111.5
72.5°	70.2	61.9	70.2	70.2	70.2	61.9	70.2	61.9	66.1	66.1	74.2
75°	37.2	33.0	28.9	41.3	28.9	33.0	37.2	37.2	37.2	37.2	41.3
77.5°	24.9	20.6	28.9	28.9	28.9	20.6	24.9	20.6	24.9	20.6	24.9
80°	12.4	16.5	12.4	20.6	12.4	16.5	12.4	20.6	12.4	16.5	16.5
82.5°	4.0	8.3	8.3	8.3	8.3	8.3	4.0	4.0	8.3	8.3	4.0
85°	0.0	8.3	4.0	4.0	4.0	8.3	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	0.0	0.0	4.0	0.0	0.0	4.0	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: P248747

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8544.7	8532.2	8536.5	8511.8	8511.8	8503.4	8507.6	8486.9	8478.8	8470.4	8482.8
5°	8668.6	8648.0	8631.3	8594.3	8573.6	8549.0	8536.5	8503.4	8474.5	8449.6	8445.6
7.5°	8767.7	8722.4	8693.4	8643.8	8606.7	8577.8	8536.5	8490.9	8453.9	8420.7	8396.1
10°	8809.0	8763.6	8718.3	8656.2	8614.9	8561.1	8519.8	8462.0	8412.6	8367.2	8338.2
12.5°	8813.1	8755.3	8714.0	8643.8	8590.1	8532.2	8486.9	8420.7	8362.9	8317.6	8272.2
15°	8776.0	8722.4	8672.7	8598.4	8544.7	8490.9	8437.4	8367.2	8313.5	8259.8	8226.8
17.5°	8693.4	8643.8	8586.0	8515.8	8466.3	8416.7	8358.9	8301.0	8239.1	8181.2	8139.9
20°	8586.0	8532.2	8482.8	8412.6	8371.4	8317.6	8263.9	8202.0	8152.3	8094.6	8049.2
22.5°	8425.0	8375.4	8329.9	8288.7	8222.5	8181.2	8144.2	8074.0	8024.4	7970.6	7921.1
25°	8193.7	8144.2	8107.0	8057.4	8028.4	7983.0	7945.8	7883.9	7838.6	7788.9	7747.6
27.5°	7813.7	7784.9	7764.1	7735.2	7710.5	7689.8	7669.2	7619.6	7586.7	7541.2	7499.9
30°	7243.8	7239.7	7227.2	7214.8	7231.4	7231.4	7231.4	7223.2	7194.3	7161.2	7132.3
32.5°	6512.8	6521.2	6537.6	6550.1	6583.0	6620.3	6653.2	6669.7	6669.7	6649.1	6636.7
35°	5641.4	5653.8	5678.7	5711.6	5752.9	5798.4	5872.6	5889.3	5901.5	5901.5	5885.0
37.5°	4736.9	4732.9	4757.6	4786.5	4811.4	4844.4	4898.0	4910.5	4931.1	4922.9	4906.2
40°	3857.2	3836.7	3828.4	3836.7	3865.6	3853.1	3865.6	3857.2	3857.2	3828.4	3828.4
42.5°	3043.7	3019.0	3002.4	2990.1	2990.1	2961.0	2940.5	2919.9	2907.5	2886.8	2882.7
45°	2345.8	2316.8	2296.2	2287.9	2275.6	2238.4	2213.5	2188.8	2159.9	2151.7	2155.8
47.5°	1821.3	1792.4	1784.0	1763.4	1742.7	1722.2	1705.7	1676.8	1672.5	1656.0	1672.5
50°	1404.1	1395.9	1383.5	1375.2	1362.8	1346.3	1329.9	1313.3	1305.0	1305.0	1309.0
52.5°	1090.4	1094.4	1082.0	1069.5	1061.4	1061.4	1040.6	1036.6	1036.6	1020.2	1036.6
55°	834.3	830.0	834.3	826.0	826.0	813.6	813.6	801.1	801.1	788.7	797.1
57.5°	611.3	619.4	611.3	615.4	623.7	611.3	607.1	594.7	603.0	594.7	598.8
60°	475.0	475.0	475.0	470.9	470.9	466.6	466.6	462.5	462.5	454.2	462.5
62.5°	351.0	355.2	355.2	355.2	359.3	355.2	351.0	355.2	351.0	351.0	355.2
65°	231.3	235.5	235.5	231.3	239.5	231.3	235.5	239.5	243.6	239.5	243.6
67.5°	156.9	156.9	161.1	165.3	161.1	165.3	169.3	165.3	169.3	177.6	169.3
70°	115.5	119.8	119.8	115.5	111.5	115.5	111.5	124.0	124.0	124.0	132.1
72.5°	74.2	74.2	70.2	70.2	70.2	70.2	70.2	82.6	74.2	70.2	78.5
75°	41.3	45.3	45.3	33.0	37.2	45.3	33.0	37.2	49.6	41.3	49.6
77.5°	24.9	24.9	24.9	24.9	24.9	24.9	33.0	28.9	28.9	28.9	33.0
80°	20.6	16.5	16.5	12.4	16.5	16.5	16.5	24.9	20.6	20.6	24.9
82.5°	8.3	8.3	4.0	0.0	8.3	8.3	8.3	8.3	8.3	8.3	16.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	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: P248747

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8449.6	8449.6	8445.6	8437.4	8420.7	8420.7	8416.7	8404.3	8396.1	8391.8	8391.8
5°	8408.4	8391.8	8375.4	8329.9	8329.9	8321.6	8297.0	8280.3	8272.2	8251.4	8243.3
7.5°	8371.4	8321.6	8292.7	8263.9	8226.8	8210.1	8181.2	8168.8	8139.9	8119.4	8107.0
10°	8280.3	8247.4	8210.1	8164.8	8135.9	8102.9	8069.7	8045.1	8007.9	7987.2	7970.6
12.5°	8218.5	8168.8	8135.9	8086.3	8036.8	8007.9	7962.5	7933.6	7896.4	7855.1	7830.2
15°	8160.6	8107.0	8061.5	8007.9	7954.2	7921.1	7867.5	7834.5	7780.7	7739.4	7710.5
17.5°	8074.0	8028.4	7979.0	7912.8	7863.4	7822.0	7764.1	7723.0	7673.3	7619.6	7590.7
20°	7983.0	7929.3	7879.8	7813.7	7764.1	7714.6	7656.9	7611.4	7553.5	7504.0	7471.0
22.5°	7863.4	7801.3	7760.0	7693.9	7636.0	7582.5	7528.8	7475.1	7421.4	7380.1	7342.9
25°	7689.8	7623.7	7578.3	7524.6	7471.0	7429.7	7363.6	7330.6	7277.0	7239.7	7202.5
27.5°	7442.0	7392.5	7351.2	7297.4	7252.1	7219.1	7169.5	7136.6	7091.0	7057.9	7029.1
30°	7078.7	7037.4	7000.2	6946.4	6913.5	6884.6	6839.0	6810.1	6777.1	6739.9	6731.8
32.5°	6591.4	6558.2	6521.2	6483.9	6459.1	6442.7	6405.4	6388.9	6355.9	6335.2	6314.6
35°	5856.2	5827.3	5806.7	5790.2	5781.8	5785.9	5777.8	5794.3	5802.4	5798.4	5802.4
37.5°	4894.0	4877.3	4885.7	4898.0	4939.4	4993.1	5042.6	5116.8	5166.4	5216.2	5261.5
40°	3820.2	3832.5	3865.6	3939.9	4047.3	4167.1	4278.6	4419.0	4559.4	4658.5	4749.3
42.5°	2882.7	2919.9	3002.4	3109.8	3270.9	3448.4	3621.9	3828.4	3997.8	4162.8	4278.6
45°	2168.2	2217.7	2325.2	2473.9	2651.3	2857.8	3076.8	3308.0	3510.4	3679.8	3807.8
47.5°	1689.2	1734.5	1842.0	1998.9	2217.7	2432.6	2659.6	2899.1	3109.8	3275.0	3386.5
50°	1333.9	1391.7	1486.7	1652.0	1870.9	2098.0	2333.5	2568.7	2767.0	2907.5	3006.6
52.5°	1049.0	1102.7	1193.5	1367.1	1590.1	1817.2	2035.9	2267.3	2440.7	2577.0	2643.2
55°	813.6	863.2	958.0	1102.7	1313.3	1536.4	1755.1	1953.6	2114.5	2213.5	2275.6
57.5°	619.4	656.7	722.8	867.3	1057.4	1263.7	1449.7	1647.9	1771.8	1842.0	1883.1
60°	470.9	499.7	569.9	681.5	854.9	1032.5	1189.5	1338.2	1437.3	1495.0	1536.4
62.5°	355.2	388.2	437.7	532.8	664.9	809.4	941.6	1053.1	1135.7	1172.9	1201.8
65°	243.6	268.4	305.7	379.9	491.4	594.7	697.9	780.6	834.3	875.6	892.1
67.5°	181.7	198.2	218.9	276.8	355.2	437.7	507.9	565.8	623.7	640.1	669.0
70°	136.4	148.7	169.3	210.6	256.0	313.8	371.8	404.8	446.1	475.0	483.3
72.5°	86.7	90.8	111.5	136.4	173.4	210.6	247.8	276.8	301.6	318.0	326.2
75°	49.6	74.2	74.2	99.1	124.0	140.4	165.3	185.8	198.2	210.6	210.6
77.5°	33.0	45.3	49.6	61.9	74.2	95.1	115.5	128.0	140.4	144.5	144.5
80°	28.9	33.0	33.0	45.3	53.7	70.2	82.6	86.7	95.1	99.1	107.4
82.5°	12.4	16.5	20.6	33.0	37.2	37.2	49.6	53.7	61.9	66.1	66.1
85°	4.0	8.3	8.3	12.4	20.6	24.9	28.9	33.0	37.2	37.2	41.3
87.5°	4.0	4.0	0.0	4.0	8.3	8.3	16.5	16.5	16.5	24.9	24.9
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: P248747

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0	8458.0
2.5°	8383.7	8387.8	8371.4	8367.2	8358.9	8362.9	8371.4
5°	8230.8	8235.0	8218.5	8202.0	8202.0	8197.8	8202.0
7.5°	8086.3	8090.4	8065.7	8057.4	8040.8	8045.1	8045.1
10°	7941.7	7941.7	7904.7	7900.4	7888.0	7883.9	7883.9
12.5°	7801.3	7788.9	7760.0	7743.5	7751.8	7727.1	7727.1
15°	7677.4	7656.9	7619.6	7607.2	7586.7	7578.3	7578.3
17.5°	7549.4	7532.9	7499.9	7475.1	7450.3	7446.3	7450.3
20°	7425.4	7409.0	7367.6	7351.2	7330.6	7330.6	7322.3
22.5°	7301.6	7285.0	7248.0	7235.6	7206.8	7206.8	7210.8
25°	7173.6	7161.2	7119.8	7111.7	7107.6	7091.0	7099.3
27.5°	7000.2	6991.9	6958.8	6946.4	6930.0	6925.8	6934.0
30°	6682.2	6669.7	6645.0	6632.7	6603.8	6607.8	6616.0
32.5°	6285.7	6269.2	6236.1	6223.6	6199.0	6190.7	6194.7
35°	5790.2	5777.8	5748.9	5748.9	5724.0	5715.7	5724.0
37.5°	5286.4	5298.5	5286.4	5298.5	5286.4	5282.1	5286.4
40°	4811.4	4856.7	4865.0	4910.5	4894.0	4918.6	4914.6
42.5°	4357.0	4431.3	4460.4	4497.4	4489.2	4505.7	4518.1
45°	3898.6	3960.6	3989.5	4014.3	4018.4	4026.7	4030.8
47.5°	3464.9	3514.5	3518.7	3547.5	3543.4	3543.4	3555.8
50°	3060.3	3093.3	3101.5	3122.2	3105.7	3097.4	3101.5
52.5°	2684.5	2717.4	2709.1	2717.4	2696.8	2688.5	2692.7
55°	2300.3	2316.8	2316.8	2316.8	2292.2	2292.2	2292.2
57.5°	1908.0	1912.2	1903.8	1908.0	1903.8	1879.1	1875.0
60°	1548.8	1548.8	1544.5	1548.8	1536.4	1523.9	1523.9
62.5°	1209.9	1218.3	1234.8	1218.3	1209.9	1218.3	1205.9
65°	904.5	921.0	916.8	925.1	921.0	921.0	912.7
67.5°	681.5	685.6	689.6	693.9	693.9	693.9	693.9
70°	499.7	512.2	507.9	507.9	507.9	507.9	532.8
72.5°	334.6	351.0	347.0	355.2	355.2	363.5	355.2
75°	227.1	243.6	235.5	247.8	243.6	235.5	256.0
77.5°	152.8	161.1	165.3	169.3	165.3	161.1	165.3
80°	107.4	115.5	111.5	115.5	115.5	115.5	119.8
82.5°	66.1	78.5	74.2	78.5	74.2	78.5	78.5
85°	45.3	49.6	41.3	49.6	45.3	45.3	53.7
87.5°	28.9	24.9	24.9	28.9	24.9	28.9	24.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)