

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: P248756

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248756
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 ER8B1759730 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13399.0 lumens
Efficiency: N/A
Efficacy: 75.6 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

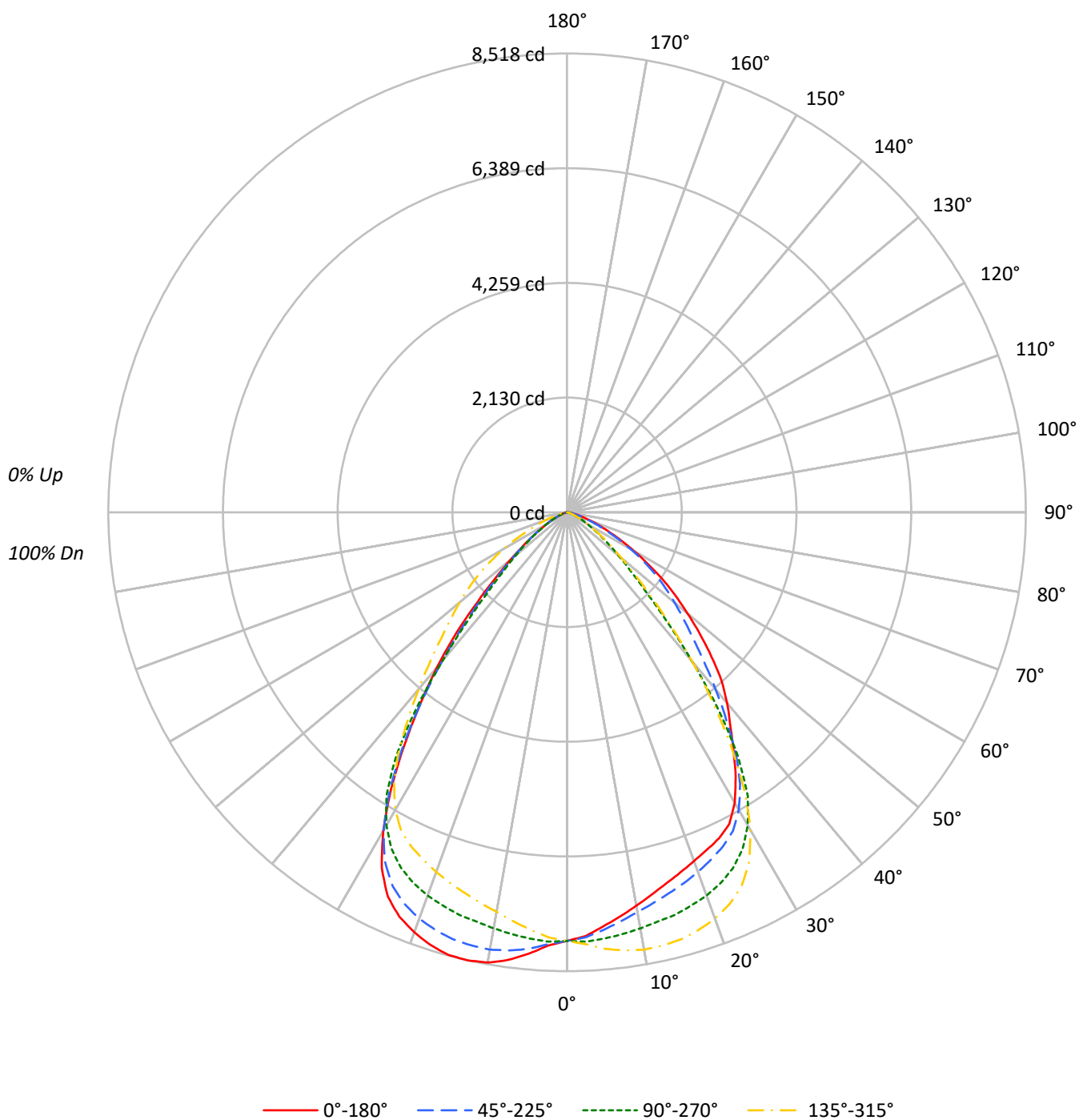
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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°	757.1	5.7
10°-20°	2192.5	16.4
20°-30°	3319.9	24.8
30°-40°	3327.4	24.8
40°-50°	2089.4	15.6
50°-60°	1113.4	8.3
60°-70°	457.9	3.4
70°-80°	121.0	0.9
80°-90°	20.4	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°	6269.5	46.8
0°-40°	9596.9	71.6
0°-60°	12799.7	95.5
0°-90°	13399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13399.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7955	7955	7955	7955	7955	
5°	7714	7943	8226	7943	7714	727
15°	7127	7737	8506	7737	7127	2016
25°	6677	7286	7873	7286	6677	3062
35°	5383	5535	5251	5535	5383	3373
45°	3791	2028	2346	2028	3791	2915
55°	2156	750	792	750	2156	1922
65°	858	229	210	229	858	890
75°	241	47	39	47	241	273
85°	50	0	4	0	50	56
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°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	7873.0	7865.2	7861.4	7869.2	7873.0	7888.5	7884.7	7892.4	7892.4	7896.4	7904.0
5°	7713.8	7709.8	7713.8	7713.8	7729.3	7744.8	7741.0	7752.6	7760.3	7779.8	7787.5
7.5°	7566.2	7566.2	7562.2	7577.7	7585.6	7608.9	7604.9	7624.4	7636.1	7655.4	7682.6
10°	7414.7	7414.7	7418.5	7430.2	7434.2	7469.0	7469.0	7496.2	7511.7	7531.2	7566.2
12.5°	7267.1	7267.1	7290.5	7282.6	7298.1	7325.3	7337.0	7364.2	7387.5	7426.3	7461.4
15°	7127.2	7127.2	7135.1	7154.4	7166.1	7201.1	7220.4	7251.6	7278.8	7317.6	7368.2
17.5°	7006.8	7003.0	7006.8	7030.2	7053.5	7084.5	7100.0	7138.9	7166.1	7216.6	7263.3
20°	6886.5	6894.3	6894.3	6913.6	6929.1	6968.0	6983.5	7026.3	7057.4	7103.9	7158.4
22.5°	6781.6	6777.7	6777.7	6804.9	6816.6	6851.4	6867.0	6905.8	6940.8	6979.7	7030.2
25°	6676.7	6668.9	6684.5	6688.4	6696.1	6734.9	6746.6	6773.8	6808.8	6843.8	6894.3
27.5°	6521.3	6513.6	6517.5	6533.0	6544.7	6575.7	6583.5	6610.7	6637.9	6668.9	6711.7
30°	6222.2	6214.5	6210.7	6237.9	6249.5	6272.7	6284.4	6331.1	6338.7	6373.8	6404.8
32.5°	5826.0	5822.2	5830.0	5853.2	5864.9	5896.1	5911.6	5938.7	5958.1	5977.6	6008.6
35°	5383.4	5375.5	5383.4	5406.7	5406.7	5433.9	5445.5	5457.1	5453.2	5457.1	5449.4
37.5°	4971.7	4967.7	4971.7	4983.2	4971.7	4983.2	4971.7	4948.3	4905.7	4859.0	4812.3
40°	4622.0	4625.9	4602.7	4618.2	4575.4	4567.7	4525.0	4466.6	4381.3	4288.1	4156.0
42.5°	4249.2	4237.6	4222.0	4229.7	4194.9	4167.5	4097.7	4024.0	3915.1	3759.9	3600.5
45°	3790.9	3787.0	3779.2	3775.4	3752.0	3724.8	3666.5	3581.1	3460.7	3301.5	3111.1
47.5°	3344.2	3332.5	3332.5	3336.4	3309.2	3305.3	3258.7	3185.0	3080.1	2924.7	2726.6
50°	2916.9	2913.0	2920.9	2936.4	2916.9	2909.2	2878.2	2827.6	2734.4	2602.4	2415.8
52.5°	2532.4	2528.5	2536.4	2555.7	2547.9	2555.7	2524.7	2485.8	2423.7	2295.4	2132.4
55°	2155.7	2155.7	2155.7	2178.9	2178.9	2178.9	2163.4	2140.2	2081.8	1988.6	1837.2
57.5°	1763.4	1767.2	1790.6	1794.4	1790.6	1798.4	1794.4	1771.1	1732.4	1666.3	1549.8
60°	1433.2	1433.2	1444.9	1456.6	1452.6	1456.6	1456.6	1444.9	1406.1	1351.7	1258.5
62.5°	1134.1	1145.8	1138.0	1145.8	1161.3	1145.8	1138.0	1130.3	1103.1	1068.1	990.4
65°	858.3	866.2	866.2	870.0	862.2	866.2	850.7	839.0	823.5	784.6	734.1
67.5°	652.6	652.6	652.6	652.6	648.6	644.8	640.9	629.3	602.1	586.6	532.1
70°	501.0	477.7	477.7	477.7	477.7	481.7	470.0	454.5	446.7	419.5	380.7
72.5°	334.0	341.8	334.0	334.0	326.3	330.1	314.6	306.8	299.1	283.6	260.3
75°	240.8	221.4	229.1	233.1	221.4	229.1	213.6	198.1	198.1	186.4	174.7
77.5°	155.4	151.6	155.4	159.2	155.4	151.6	143.7	135.9	135.9	132.1	120.4
80°	112.7	108.7	108.7	108.7	104.9	108.7	101.0	101.0	93.2	89.4	81.5
82.5°	73.9	73.9	69.9	73.9	69.9	73.9	62.2	62.2	62.2	58.2	50.5
85°	50.5	42.7	42.7	46.7	38.8	46.7	42.7	38.8	35.0	35.0	31.0
87.5°	23.3	27.2	23.3	27.2	23.3	23.3	27.2	23.3	23.3	15.5	15.5
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°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	7915.7	7919.6	7919.6	7935.2	7942.9	7946.7	7946.7	7977.9	7966.2	7974.1	7981.7
5°	7803.2	7826.3	7834.2	7834.2	7876.9	7892.4	7907.9	7942.9	7946.7	7970.1	7997.2
7.5°	7694.3	7721.5	7737.1	7772.0	7799.2	7826.3	7873.0	7896.4	7919.6	7950.7	7985.6
10°	7589.4	7620.6	7651.6	7678.8	7721.5	7756.5	7787.5	7841.9	7869.2	7911.9	7958.4
12.5°	7488.5	7531.2	7558.4	7604.9	7651.6	7682.6	7729.3	7779.8	7822.5	7865.2	7919.6
15°	7399.2	7449.7	7480.7	7531.2	7581.7	7624.4	7674.9	7737.1	7768.2	7818.7	7869.2
17.5°	7302.0	7356.5	7395.3	7441.9	7504.0	7550.6	7593.4	7655.4	7694.3	7748.6	7807.0
20°	7201.1	7255.4	7302.0	7348.6	7410.8	7457.4	7507.9	7570.1	7612.8	7667.1	7713.8
22.5°	7080.7	7131.2	7181.6	7235.9	7298.1	7337.0	7395.3	7449.7	7496.2	7546.7	7593.4
25°	6925.3	6987.5	7026.3	7076.7	7127.2	7169.9	7232.1	7286.5	7325.3	7372.0	7414.7
27.5°	6742.7	6789.4	6820.4	6863.1	6913.6	6952.5	6999.0	7053.5	7092.4	7135.1	7166.1
30°	6431.9	6474.8	6502.0	6533.0	6583.5	6618.5	6657.4	6707.7	6734.9	6766.1	6793.3
32.5°	6024.1	6059.1	6074.6	6098.0	6133.0	6167.8	6199.0	6241.7	6253.4	6272.7	6272.7
35°	5433.9	5441.5	5437.7	5445.5	5461.0	5480.4	5507.6	5534.7	5550.3	5550.3	5538.7
37.5°	4742.4	4695.9	4645.4	4606.5	4594.9	4587.0	4602.7	4614.2	4629.9	4637.5	4618.2
40°	4024.0	3919.1	3806.4	3705.3	3635.5	3604.5	3592.8	3600.5	3600.5	3627.6	3627.6
42.5°	3406.4	3243.2	3076.2	2924.7	2823.6	2746.1	2711.1	2711.1	2714.9	2734.4	2746.1
45°	2893.7	2687.8	2493.5	2326.6	2186.7	2085.7	2039.2	2027.5	2023.7	2031.3	2058.5
47.5°	2501.3	2287.8	2085.7	1879.9	1732.4	1631.3	1588.6	1573.0	1557.5	1573.0	1577.0
50°	2194.6	1973.1	1759.5	1553.6	1398.2	1308.9	1254.5	1231.2	1227.3	1227.3	1235.2
52.5°	1914.8	1709.0	1495.4	1285.7	1122.5	1037.1	986.6	974.9	959.4	974.9	974.9
55°	1650.7	1444.9	1235.2	1037.1	901.0	811.8	765.1	749.6	741.8	753.5	753.5
57.5°	1363.4	1188.5	994.4	815.7	679.8	617.6	582.6	563.2	559.2	567.1	559.2
60°	1118.6	971.1	804.0	640.9	536.0	470.0	442.8	435.0	427.2	435.0	435.0
62.5°	885.5	761.3	625.3	501.0	411.7	365.1	334.0	334.0	330.1	330.1	334.0
65°	656.4	559.2	462.2	357.3	287.4	252.4	229.1	229.1	225.3	229.1	225.3
67.5°	477.7	411.7	334.0	260.3	205.9	186.4	170.9	159.2	167.1	159.2	155.4
70°	349.6	295.1	240.8	198.1	159.2	139.9	128.2	124.2	116.5	116.5	116.5
72.5°	233.1	198.1	163.1	128.2	104.9	85.4	81.5	73.9	66.0	69.9	77.7
75°	155.4	132.1	116.5	93.2	69.9	69.9	46.7	46.7	38.8	46.7	35.0
77.5°	108.7	89.4	69.9	58.2	46.7	42.7	31.0	31.0	27.2	27.2	27.2
80°	77.7	66.0	50.5	42.7	31.0	31.0	27.2	23.3	19.3	19.3	23.3
82.5°	46.7	35.0	35.0	31.0	19.3	15.5	11.7	15.5	7.8	7.8	7.8
85°	27.2	23.3	19.3	11.7	7.8	7.8	3.8	0.0	3.8	3.8	0.0
87.5°	15.5	7.8	7.8	3.8	0.0	3.8	3.8	0.0	0.0	0.0	7.8
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°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	8001.2	7997.2	8005.1	8005.1	8028.4	8024.4	8036.1	8036.1	8028.4	8032.3	8047.8
5°	8028.4	8040.1	8063.3	8082.8	8117.6	8133.3	8152.6	8172.1	8176.0	8187.7	8199.3
7.5°	8028.4	8067.3	8094.4	8129.3	8176.0	8203.2	8245.8	8280.9	8296.4	8315.7	8339.1
10°	8012.8	8051.6	8102.1	8141.0	8199.3	8242.0	8284.7	8339.1	8362.4	8393.4	8424.6
12.5°	7981.7	8024.4	8078.8	8129.3	8195.3	8234.2	8288.5	8339.1	8374.1	8416.8	8451.8
15°	7935.2	7985.6	8036.1	8086.6	8156.5	8203.2	8253.7	8311.9	8346.9	8393.4	8424.6
17.5°	7861.4	7915.7	7962.4	8008.9	8074.9	8129.3	8176.0	8230.3	8265.4	8304.2	8346.9
20°	7772.0	7822.5	7873.0	7911.9	7977.9	8024.4	8074.9	8125.5	8152.6	8160.5	8226.5
22.5°	7659.4	7694.3	7733.1	7795.3	7834.2	7876.9	7923.5	7970.1	7997.2	8040.1	8063.3
25°	7472.9	7507.9	7550.6	7577.7	7624.4	7659.4	7706.0	7756.5	7772.0	7803.2	7826.3
27.5°	7212.8	7232.1	7251.6	7274.8	7302.0	7321.5	7348.6	7372.0	7387.5	7403.0	7418.5
30°	6800.9	6800.9	6800.9	6785.4	6797.1	6808.8	6812.6	6808.8	6808.8	6804.9	6804.9
32.5°	6257.2	6226.2	6191.2	6160.2	6148.5	6133.0	6125.2	6113.5	6094.1	6082.5	6086.3
35°	5523.1	5453.2	5410.5	5371.7	5340.7	5317.3	5305.7	5294.0	5290.1	5274.6	5259.0
37.5°	4606.5	4556.0	4525.0	4501.7	4474.5	4451.1	4455.0	4459.0	4470.5	4462.8	4466.6
40°	3635.5	3623.8	3635.5	3608.3	3600.5	3608.3	3627.6	3655.0	3670.5	3686.0	3713.2
42.5°	2765.5	2784.8	2812.1	2812.1	2823.6	2839.3	2862.5	2905.3	2928.5	2955.7	2986.9
45°	2081.8	2105.2	2140.2	2151.7	2159.5	2178.9	2206.2	2241.1	2256.6	2279.9	2307.1
47.5°	1604.1	1619.7	1639.0	1658.5	1677.9	1685.7	1712.9	1712.9	1732.4	1747.9	1755.5
50°	1250.7	1266.2	1281.7	1293.4	1301.2	1312.9	1320.5	1332.2	1336.0	1343.9	1347.7
52.5°	978.7	998.2	998.2	1005.9	1017.6	1029.3	1025.4	1029.3	1033.1	1033.1	1044.8
55°	765.1	765.1	776.8	776.8	784.6	780.7	784.6	784.6	784.6	784.6	788.5
57.5°	570.9	574.9	586.6	578.7	574.9	582.6	574.9	582.6	578.7	586.6	574.9
60°	438.8	438.8	442.8	442.8	446.7	446.7	446.7	442.8	442.8	438.8	438.8
62.5°	330.1	334.0	338.0	334.0	334.0	334.0	330.1	330.1	326.3	322.3	322.3
65°	221.4	217.6	225.3	217.6	221.4	221.4	217.6	221.4	209.8	213.6	209.8
67.5°	159.2	155.4	151.6	155.4	151.6	147.6	147.6	151.6	155.4	143.7	143.7
70°	104.9	108.7	104.9	108.7	112.7	112.7	108.7	104.9	108.7	101.0	104.9
72.5°	66.0	66.0	66.0	66.0	66.0	69.9	69.9	69.9	62.2	62.2	58.2
75°	31.0	42.7	35.0	31.0	42.7	42.7	38.8	38.8	35.0	35.0	35.0
77.5°	31.0	23.3	23.3	23.3	23.3	23.3	23.3	23.3	19.3	23.3	19.3
80°	15.5	15.5	15.5	11.7	15.5	15.5	19.3	15.5	15.5	11.7	19.3
82.5°	7.8	7.8	7.8	0.0	3.8	7.8	7.8	3.8	7.8	7.8	3.8
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: P248756

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	8043.9	8040.1	8043.9	8047.8	8043.9	8040.1	8043.9	8047.8	8032.3	8028.4	8036.1
5°	8214.8	8214.8	8222.5	8226.5	8222.5	8214.8	8214.8	8199.3	8187.7	8176.0	8172.1
7.5°	8362.4	8370.2	8377.9	8381.7	8377.9	8370.2	8362.4	8339.1	8315.7	8296.4	8280.9
10°	8451.8	8463.4	8478.9	8486.6	8478.9	8463.4	8451.8	8424.6	8393.4	8362.4	8339.1
12.5°	8490.6	8502.3	8521.6	8517.8	8521.6	8502.3	8490.6	8451.8	8416.8	8374.1	8339.1
15°	8463.4	8478.9	8498.3	8506.1	8498.3	8478.9	8463.4	8424.6	8393.4	8346.9	8311.9
17.5°	8377.9	8401.2	8412.9	8424.6	8412.9	8401.2	8377.9	8346.9	8304.2	8265.4	8230.3
20°	8261.4	8277.0	8292.5	8296.4	8292.5	8277.0	8261.4	8226.5	8160.5	8152.6	8125.5
22.5°	8094.4	8106.1	8141.0	8129.3	8141.0	8106.1	8094.4	8063.3	8040.1	7997.2	7970.1
25°	7853.5	7865.2	7869.2	7873.0	7869.2	7865.2	7853.5	7826.3	7803.2	7772.0	7756.5
27.5°	7438.0	7438.0	7445.7	7449.7	7445.7	7438.0	7438.0	7418.5	7403.0	7387.5	7372.0
30°	6808.8	6808.8	6808.8	6828.3	6808.8	6808.8	6808.8	6804.9	6804.9	6808.8	6808.8
32.5°	6082.5	6074.6	6067.0	6074.6	6067.0	6074.6	6082.5	6086.3	6082.5	6094.1	6113.5
35°	5259.0	5255.1	5266.8	5251.3	5266.8	5255.1	5259.0	5259.0	5274.6	5290.1	5294.0
37.5°	4470.5	4462.8	4478.3	4462.8	4478.3	4462.8	4470.5	4466.6	4462.8	4470.5	4459.0
40°	3721.0	3728.7	3728.7	3759.9	3728.7	3728.7	3721.0	3713.2	3686.0	3670.5	3655.0
42.5°	3002.4	3025.7	3017.9	3041.2	3017.9	3025.7	3002.4	2986.9	2955.7	2928.5	2905.3
45°	2322.6	2338.3	2338.3	2346.0	2338.3	2338.3	2322.6	2307.1	2279.9	2256.6	2241.1
47.5°	1782.7	1782.7	1782.7	1786.7	1782.7	1782.7	1782.7	1755.5	1747.9	1732.4	1712.9
50°	1355.5	1359.4	1363.4	1367.2	1363.4	1359.4	1355.5	1347.7	1343.9	1336.0	1332.2
52.5°	1040.9	1044.8	1037.1	1044.8	1037.1	1044.8	1040.9	1044.8	1033.1	1033.1	1029.3
55°	788.5	784.6	788.5	792.3	788.5	784.6	788.5	788.5	784.6	784.6	784.6
57.5°	578.7	570.9	570.9	570.9	570.9	570.9	578.7	574.9	586.6	578.7	582.6
60°	431.2	435.0	435.0	438.8	435.0	435.0	431.2	438.8	438.8	442.8	442.8
62.5°	318.5	330.1	322.3	330.1	322.3	330.1	318.5	322.3	322.3	326.3	330.1
65°	205.9	205.9	205.9	209.8	205.9	205.9	205.9	209.8	213.6	209.8	221.4
67.5°	139.9	143.7	151.6	147.6	151.6	143.7	139.9	143.7	143.7	155.4	151.6
70°	112.7	101.0	101.0	112.7	101.0	101.0	112.7	104.9	101.0	108.7	104.9
72.5°	66.0	58.2	66.0	66.0	66.0	58.2	66.0	58.2	62.2	62.2	69.9
75°	35.0	31.0	27.2	38.8	27.2	31.0	35.0	35.0	35.0	35.0	38.8
77.5°	23.3	19.3	27.2	27.2	27.2	19.3	23.3	19.3	23.3	19.3	23.3
80°	11.7	15.5	11.7	19.3	11.7	15.5	11.7	19.3	11.7	15.5	15.5
82.5°	3.8	7.8	7.8	7.8	7.8	7.8	3.8	3.8	7.8	7.8	3.8
85°	0.0	7.8	3.8	3.8	3.8	7.8	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	0.0	0.0	3.8	0.0	0.0	3.8	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: P248756

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	8036.1	8024.4	8028.4	8005.1	8005.1	7997.2	8001.2	7981.7	7974.1	7966.2	7977.9
5°	8152.6	8133.3	8117.6	8082.8	8063.3	8040.1	8028.4	7997.2	7970.1	7946.7	7942.9
7.5°	8245.8	8203.2	8176.0	8129.3	8094.4	8067.3	8028.4	7985.6	7950.7	7919.6	7896.4
10°	8284.7	8242.0	8199.3	8141.0	8102.1	8051.6	8012.8	7958.4	7911.9	7869.2	7841.9
12.5°	8288.5	8234.2	8195.3	8129.3	8078.8	8024.4	7981.7	7919.6	7865.2	7822.5	7779.8
15°	8253.7	8203.2	8156.5	8086.6	8036.1	7985.6	7935.2	7869.2	7818.7	7768.2	7737.1
17.5°	8176.0	8129.3	8074.9	8008.9	7962.4	7915.7	7861.4	7807.0	7748.6	7694.3	7655.4
20°	8074.9	8024.4	7977.9	7911.9	7873.0	7822.5	7772.0	7713.8	7667.1	7612.8	7570.1
22.5°	7923.5	7876.9	7834.2	7795.3	7733.1	7694.3	7659.4	7593.4	7546.7	7496.2	7449.7
25°	7706.0	7659.4	7624.4	7577.7	7550.6	7507.9	7472.9	7414.7	7372.0	7325.3	7286.5
27.5°	7348.6	7321.5	7302.0	7274.8	7251.6	7232.1	7212.8	7166.1	7135.1	7092.4	7053.5
30°	6812.6	6808.8	6797.1	6785.4	6800.9	6800.9	6800.9	6793.3	6766.1	6734.9	6707.7
32.5°	6125.2	6133.0	6148.5	6160.2	6191.2	6226.2	6257.2	6272.7	6272.7	6253.4	6241.7
35°	5305.7	5317.3	5340.7	5371.7	5410.5	5453.2	5523.1	5538.7	5550.3	5550.3	5534.7
37.5°	4455.0	4451.1	4474.5	4501.7	4525.0	4556.0	4606.5	4618.2	4637.5	4629.9	4614.2
40°	3627.6	3608.3	3600.5	3608.3	3635.5	3623.8	3635.5	3627.6	3627.6	3600.5	3600.5
42.5°	2862.5	2839.3	2823.6	2812.1	2812.1	2784.8	2765.5	2746.1	2734.4	2714.9	2711.1
45°	2206.2	2178.9	2159.5	2151.7	2140.2	2105.2	2081.8	2058.5	2031.3	2023.7	2027.5
47.5°	1712.9	1685.7	1677.9	1658.5	1639.0	1619.7	1604.1	1577.0	1573.0	1557.5	1573.0
50°	1320.5	1312.9	1301.2	1293.4	1281.7	1266.2	1250.7	1235.2	1227.3	1227.3	1231.2
52.5°	1025.4	1029.3	1017.6	1005.9	998.2	998.2	978.7	974.9	974.9	959.4	974.9
55°	784.6	780.7	784.6	776.8	776.8	765.1	765.1	753.5	753.5	741.8	749.6
57.5°	574.9	582.6	574.9	578.7	586.6	574.9	570.9	559.2	567.1	559.2	563.2
60°	446.7	446.7	446.7	442.8	442.8	438.8	438.8	435.0	435.0	427.2	435.0
62.5°	330.1	334.0	334.0	334.0	338.0	334.0	330.1	334.0	330.1	330.1	334.0
65°	217.6	221.4	221.4	217.6	225.3	217.6	221.4	225.3	229.1	225.3	229.1
67.5°	147.6	147.6	151.6	155.4	151.6	155.4	159.2	155.4	159.2	167.1	159.2
70°	108.7	112.7	112.7	108.7	104.9	108.7	104.9	116.5	116.5	116.5	124.2
72.5°	69.9	69.9	66.0	66.0	66.0	66.0	66.0	77.7	69.9	66.0	73.9
75°	38.8	42.7	42.7	31.0	35.0	42.7	31.0	35.0	46.7	38.8	46.7
77.5°	23.3	23.3	23.3	23.3	23.3	23.3	31.0	27.2	27.2	27.2	31.0
80°	19.3	15.5	15.5	11.7	15.5	15.5	15.5	23.3	19.3	19.3	23.3
82.5°	7.8	7.8	3.8	0.0	7.8	7.8	7.8	7.8	7.8	7.8	15.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248756

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	7946.7	7946.7	7942.9	7935.2	7919.6	7919.6	7915.7	7904.0	7896.4	7892.4	7892.4
5°	7907.9	7892.4	7876.9	7834.2	7834.2	7826.3	7803.2	7787.5	7779.8	7760.3	7752.6
7.5°	7873.0	7826.3	7799.2	7772.0	7737.1	7721.5	7694.3	7682.6	7655.4	7636.1	7624.4
10°	7787.5	7756.5	7721.5	7678.8	7651.6	7620.6	7589.4	7566.2	7531.2	7511.7	7496.2
12.5°	7729.3	7682.6	7651.6	7604.9	7558.4	7531.2	7488.5	7461.4	7426.3	7387.5	7364.2
15°	7674.9	7624.4	7581.7	7531.2	7480.7	7449.7	7399.2	7368.2	7317.6	7278.8	7251.6
17.5°	7593.4	7550.6	7504.0	7441.9	7395.3	7356.5	7302.0	7263.3	7216.6	7166.1	7138.9
20°	7507.9	7457.4	7410.8	7348.6	7302.0	7255.4	7201.1	7158.4	7103.9	7057.4	7026.3
22.5°	7395.3	7337.0	7298.1	7235.9	7181.6	7131.2	7080.7	7030.2	6979.7	6940.8	6905.8
25°	7232.1	7169.9	7127.2	7076.7	7026.3	6987.5	6925.3	6894.3	6843.8	6808.8	6773.8
27.5°	6999.0	6952.5	6913.6	6863.1	6820.4	6789.4	6742.7	6711.7	6668.9	6637.9	6610.7
30°	6657.4	6618.5	6583.5	6533.0	6502.0	6474.8	6431.9	6404.8	6373.8	6338.7	6331.1
32.5°	6199.0	6167.8	6133.0	6098.0	6074.6	6059.1	6024.1	6008.6	5977.6	5958.1	5938.7
35°	5507.6	5480.4	5461.0	5445.5	5437.7	5441.5	5433.9	5449.4	5457.1	5453.2	5457.1
37.5°	4602.7	4587.0	4594.9	4606.5	4645.4	4695.9	4742.4	4812.3	4859.0	4905.7	4948.3
40°	3592.8	3604.5	3635.5	3705.3	3806.4	3919.1	4024.0	4156.0	4288.1	4381.3	4466.6
42.5°	2711.1	2746.1	2823.6	2924.7	3076.2	3243.2	3406.4	3600.5	3759.9	3915.1	4024.0
45°	2039.2	2085.7	2186.7	2326.6	2493.5	2687.8	2893.7	3111.1	3301.5	3460.7	3581.1
47.5°	1588.6	1631.3	1732.4	1879.9	2085.7	2287.8	2501.3	2726.6	2924.7	3080.1	3185.0
50°	1254.5	1308.9	1398.2	1553.6	1759.5	1973.1	2194.6	2415.8	2602.4	2734.4	2827.6
52.5°	986.6	1037.1	1122.5	1285.7	1495.4	1709.0	1914.8	2132.4	2295.4	2423.7	2485.8
55°	765.1	811.8	901.0	1037.1	1235.2	1444.9	1650.7	1837.2	1988.6	2081.8	2140.2
57.5°	582.6	617.6	679.8	815.7	994.4	1188.5	1363.4	1549.8	1666.3	1732.4	1771.1
60°	442.8	470.0	536.0	640.9	804.0	971.1	1118.6	1258.5	1351.7	1406.1	1444.9
62.5°	334.0	365.1	411.7	501.0	625.3	761.3	885.5	990.4	1068.1	1103.1	1130.3
65°	229.1	252.4	287.4	357.3	462.2	559.2	656.4	734.1	784.6	823.5	839.0
67.5°	170.9	186.4	205.9	260.3	334.0	411.7	477.7	532.1	586.6	602.1	629.3
70°	128.2	139.9	159.2	198.1	240.8	295.1	349.6	380.7	419.5	446.7	454.5
72.5°	81.5	85.4	104.9	128.2	163.1	198.1	233.1	260.3	283.6	299.1	306.8
75°	46.7	69.9	69.9	93.2	116.5	132.1	155.4	174.7	186.4	198.1	198.1
77.5°	31.0	42.7	46.7	58.2	69.9	89.4	108.7	120.4	132.1	135.9	135.9
80°	27.2	31.0	31.0	42.7	50.5	66.0	77.7	81.5	89.4	93.2	101.0
82.5°	11.7	15.5	19.3	31.0	35.0	35.0	46.7	50.5	58.2	62.2	62.2
85°	3.8	7.8	7.8	11.7	19.3	23.3	27.2	31.0	35.0	35.0	38.8
87.5°	3.8	3.8	0.0	3.8	7.8	7.8	15.5	15.5	15.5	23.3	23.3
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: P248756

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6	7954.6
2.5°	7884.7	7888.5	7873.0	7869.2	7861.4	7865.2	7873.0
5°	7741.0	7744.8	7729.3	7713.8	7713.8	7709.8	7713.8
7.5°	7604.9	7608.9	7585.6	7577.7	7562.2	7566.2	7566.2
10°	7469.0	7469.0	7434.2	7430.2	7418.5	7414.7	7414.7
12.5°	7337.0	7325.3	7298.1	7282.6	7290.5	7267.1	7267.1
15°	7220.4	7201.1	7166.1	7154.4	7135.1	7127.2	7127.2
17.5°	7100.0	7084.5	7053.5	7030.2	7006.8	7003.0	7006.8
20°	6983.5	6968.0	6929.1	6913.6	6894.3	6894.3	6886.5
22.5°	6867.0	6851.4	6816.6	6804.9	6777.7	6777.7	6781.6
25°	6746.6	6734.9	6696.1	6688.4	6684.5	6668.9	6676.7
27.5°	6583.5	6575.7	6544.7	6533.0	6517.5	6513.6	6521.3
30°	6284.4	6272.7	6249.5	6237.9	6210.7	6214.5	6222.2
32.5°	5911.6	5896.1	5864.9	5853.2	5830.0	5822.2	5826.0
35°	5445.5	5433.9	5406.7	5406.7	5383.4	5375.5	5383.4
37.5°	4971.7	4983.2	4971.7	4983.2	4971.7	4967.7	4971.7
40°	4525.0	4567.7	4575.4	4618.2	4602.7	4625.9	4622.0
42.5°	4097.7	4167.5	4194.9	4229.7	4222.0	4237.6	4249.2
45°	3666.5	3724.8	3752.0	3775.4	3779.2	3787.0	3790.9
47.5°	3258.7	3305.3	3309.2	3336.4	3332.5	3332.5	3344.2
50°	2878.2	2909.2	2916.9	2936.4	2920.9	2913.0	2916.9
52.5°	2524.7	2555.7	2547.9	2555.7	2536.4	2528.5	2532.4
55°	2163.4	2178.9	2178.9	2178.9	2155.7	2155.7	2155.7
57.5°	1794.4	1798.4	1790.6	1794.4	1790.6	1767.2	1763.4
60°	1456.6	1456.6	1452.6	1456.6	1444.9	1433.2	1433.2
62.5°	1138.0	1145.8	1161.3	1145.8	1138.0	1145.8	1134.1
65°	850.7	866.2	862.2	870.0	866.2	866.2	858.3
67.5°	640.9	644.8	648.6	652.6	652.6	652.6	652.6
70°	470.0	481.7	477.7	477.7	477.7	477.7	501.0
72.5°	314.6	330.1	326.3	334.0	334.0	341.8	334.0
75°	213.6	229.1	221.4	233.1	229.1	221.4	240.8
77.5°	143.7	151.6	155.4	159.2	155.4	151.6	155.4
80°	101.0	108.7	104.9	108.7	108.7	108.7	112.7
82.5°	62.2	73.9	69.9	73.9	69.9	73.9	73.9
85°	42.7	46.7	38.8	46.7	42.7	42.7	50.5
87.5°	27.2	23.3	23.3	27.2	23.3	27.2	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)