

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 ER8B175930 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 ER8B175930 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: 15020.3 lumens
Efficiency: N/A
Efficacy: 84.8 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

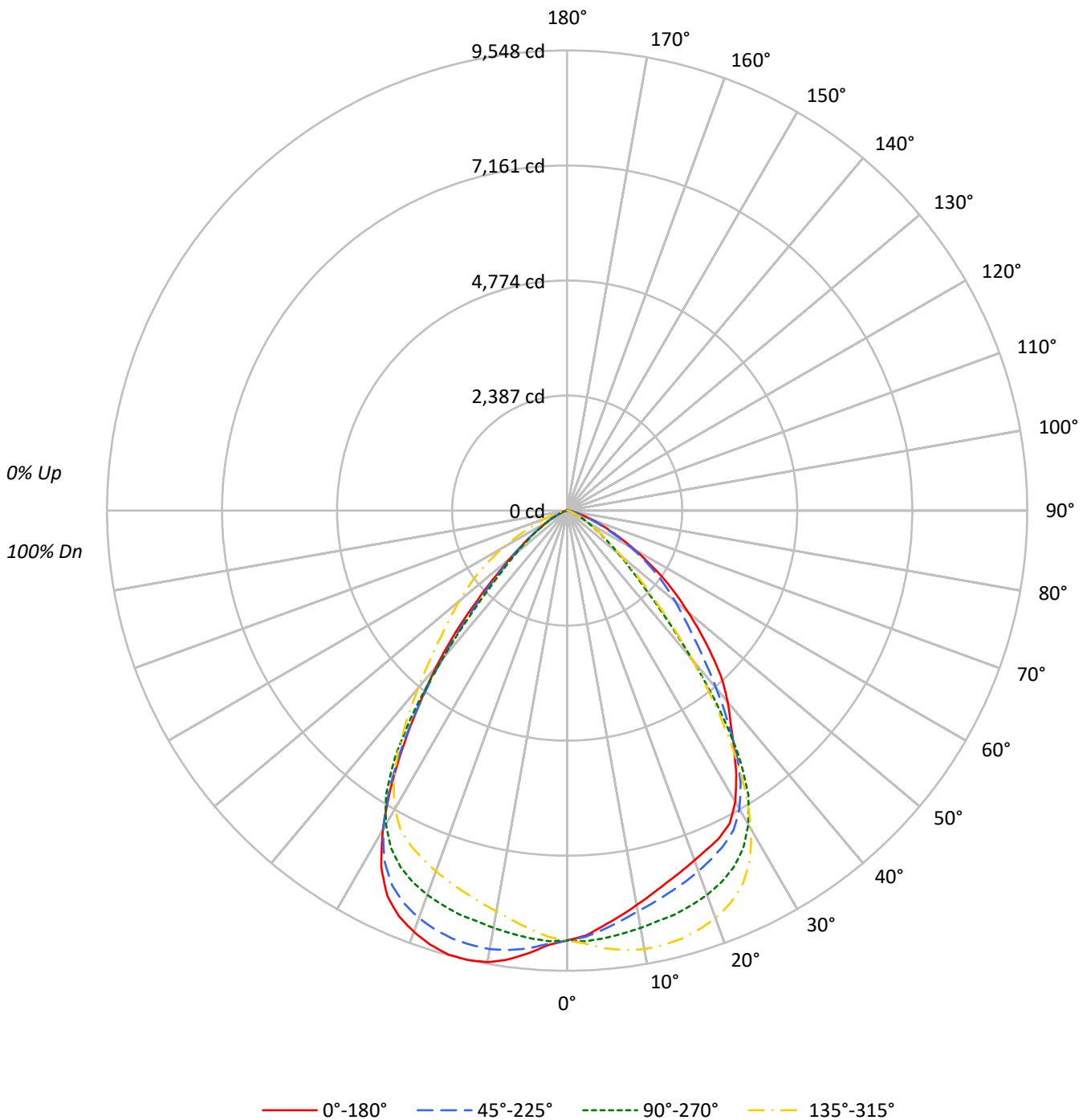
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	848.7	5.7
10°-20°	2457.8	16.4
20°-30°	3721.6	24.8
30°-40°	3730.0	24.8
40°-50°	2342.2	15.6
50°-60°	1248.2	8.3
60°-70°	513.3	3.4
70°-80°	135.6	0.9
80°-90°	22.9	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	7028.1	46.8
0°-40°	10758.1	71.6
0°-60°	14348.5	95.5
0°-90°	15020.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15020.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8917	8917	8917	8917	8917	
5°	8647	8904	9222	8904	8647	815
15°	7990	8673	9535	8673	7990	2260
25°	7485	8168	8826	8168	7485	3433
35°	6035	6204	5887	6204	6035	3781
45°	4250	2273	2630	2273	4250	3268
55°	2416	840	888	840	2416	2154
65°	962	257	235	257	962	998
75°	270	52	44	52	270	306
85°	57	0	4	0	57	62
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°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	8825.6	8816.9	8812.6	8821.4	8825.6	8843.0	8838.7	8847.4	8847.4	8851.9	8860.4
5°	8647.2	8642.7	8647.2	8647.2	8664.5	8681.9	8677.7	8690.7	8699.3	8721.2	8729.8
7.5°	8481.7	8481.7	8477.2	8494.6	8503.5	8529.6	8525.1	8547.0	8560.1	8581.7	8612.2
10°	8311.9	8311.9	8316.1	8329.3	8333.7	8372.7	8372.7	8403.2	8420.6	8442.5	8481.7
12.5°	8146.4	8146.4	8172.7	8163.8	8181.2	8211.7	8224.8	8255.3	8281.4	8324.9	8364.2
15°	7989.6	7989.6	7998.4	8020.1	8033.2	8072.4	8094.1	8129.0	8159.5	8203.0	8259.8
17.5°	7854.6	7850.4	7854.6	7880.9	7907.0	7941.7	7959.1	8002.7	8033.2	8089.8	8142.2
20°	7719.8	7728.5	7728.5	7750.1	7767.5	7811.1	7828.5	7876.5	7911.3	7963.5	8024.6
22.5°	7602.2	7597.8	7597.8	7628.3	7641.4	7680.4	7697.9	7741.4	7780.6	7824.2	7880.9
25°	7484.6	7475.8	7493.3	7497.7	7506.3	7549.8	7562.9	7593.4	7632.7	7671.9	7728.5
27.5°	7310.4	7301.7	7306.1	7323.5	7336.6	7371.4	7380.1	7410.6	7441.1	7475.8	7523.8
30°	6975.1	6966.5	6962.2	6992.7	7005.7	7031.7	7044.8	7097.2	7105.7	7145.0	7179.8
32.5°	6530.9	6526.7	6535.4	6561.4	6574.6	6609.5	6626.9	6657.3	6679.0	6700.9	6735.6
35°	6034.8	6025.9	6034.8	6060.9	6060.9	6091.4	6104.4	6117.4	6113.0	6117.4	6108.8
37.5°	5573.3	5568.8	5573.3	5586.2	5573.3	5586.2	5573.3	5547.0	5499.3	5446.9	5394.6
40°	5181.3	5185.6	5159.6	5177.0	5129.0	5120.4	5072.5	5007.1	4911.4	4807.0	4658.9
42.5°	4763.4	4750.3	4732.9	4741.5	4702.5	4671.8	4593.5	4510.9	4388.8	4214.8	4036.2
45°	4249.6	4245.2	4236.5	4232.2	4206.0	4175.5	4110.1	4014.4	3879.4	3701.0	3487.5
47.5°	3748.8	3735.7	3735.7	3740.1	3709.6	3705.2	3653.0	3570.4	3452.8	3278.6	3056.5
50°	3269.8	3265.5	3274.3	3291.7	3269.8	3261.2	3226.5	3169.7	3065.3	2917.3	2708.1
52.5°	2838.8	2834.4	2843.3	2864.9	2856.2	2864.9	2830.2	2786.6	2717.0	2573.1	2390.4
55°	2416.5	2416.5	2416.5	2442.5	2442.5	2442.5	2425.2	2399.2	2333.7	2229.2	2059.5
57.5°	1976.8	1981.0	2007.3	2011.5	2007.3	2016.0	2011.5	1985.4	1942.0	1867.9	1737.3
60°	1606.6	1606.6	1619.7	1632.8	1628.4	1632.8	1632.8	1619.7	1576.2	1515.3	1410.8
62.5°	1271.3	1284.4	1275.7	1284.4	1301.8	1284.4	1275.7	1267.1	1236.6	1197.3	1110.2
65°	962.2	971.0	971.0	975.3	966.5	971.0	953.6	940.5	923.1	879.5	822.9
67.5°	731.6	731.6	731.6	731.6	727.1	722.8	718.4	705.4	675.0	657.6	596.5
70°	561.6	535.5	535.5	535.5	535.5	540.0	526.9	509.5	500.8	470.3	426.8
72.5°	374.4	383.2	374.4	374.4	365.8	370.0	352.7	343.9	335.3	317.9	291.8
75°	269.9	248.2	256.8	261.3	248.2	256.8	239.4	222.1	222.1	209.0	195.8
77.5°	174.2	169.9	174.2	178.5	174.2	169.9	161.1	152.3	152.3	148.1	135.0
80°	126.3	121.9	121.9	121.9	117.6	121.9	113.2	113.2	104.5	100.2	91.4
82.5°	82.8	82.8	78.4	82.8	78.4	82.8	69.7	69.7	69.7	65.2	56.6
85°	56.6	47.9	47.9	52.4	43.5	52.4	47.9	43.5	39.2	39.2	34.8
87.5°	26.1	30.5	26.1	30.5	26.1	26.1	30.5	26.1	26.1	17.4	17.4
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 ER8B175930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	8873.5	8877.9	8877.9	8895.4	8904.0	8908.3	8908.3	8943.2	8930.1	8939.0	8947.5
5°	8747.4	8773.3	8782.1	8782.1	8830.0	8847.4	8864.8	8904.0	8908.3	8934.5	8964.9
7.5°	8625.3	8655.8	8673.3	8712.4	8742.9	8773.3	8825.6	8851.9	8877.9	8912.7	8951.9
10°	8507.7	8542.7	8577.4	8607.9	8655.8	8695.0	8729.8	8790.8	8821.4	8869.2	8921.4
12.5°	8394.6	8442.5	8473.0	8525.1	8577.4	8612.2	8664.5	8721.2	8769.0	8816.9	8877.9
15°	8294.5	8351.1	8385.9	8442.5	8499.1	8547.0	8603.6	8673.3	8708.2	8764.8	8821.4
17.5°	8185.5	8246.6	8290.1	8342.4	8412.0	8464.2	8512.2	8581.7	8625.3	8686.2	8751.6
20°	8072.4	8133.3	8185.5	8237.8	8307.5	8359.7	8416.4	8486.1	8533.9	8594.8	8647.2
22.5°	7937.5	7994.1	8050.6	8111.4	8181.2	8224.8	8290.1	8351.1	8403.2	8459.9	8512.2
25°	7763.3	7833.0	7876.5	7933.0	7989.6	8037.5	8107.2	8168.2	8211.7	8264.0	8311.9
27.5°	7558.6	7610.9	7645.7	7693.5	7750.1	7793.8	7845.9	7907.0	7950.6	7998.4	8033.2
30°	7210.2	7258.3	7288.7	7323.5	7380.1	7419.3	7462.9	7519.3	7549.8	7584.8	7615.3
32.5°	6753.0	6792.3	6809.6	6835.9	6875.1	6914.1	6949.1	6996.9	7010.1	7031.7	7031.7
35°	6091.4	6099.9	6095.7	6104.4	6121.8	6143.5	6174.0	6204.4	6221.9	6221.9	6208.9
37.5°	5316.2	5264.1	5207.5	5163.9	5150.9	5142.0	5159.6	5172.5	5190.1	5198.6	5177.0
40°	4510.9	4393.3	4267.0	4153.6	4075.4	4040.6	4027.5	4036.2	4036.2	4066.5	4066.5
42.5°	3818.6	3635.6	3448.4	3278.6	3165.3	3078.4	3039.1	3039.1	3043.4	3065.3	3078.4
45°	3243.8	3013.0	2795.2	2608.1	2451.3	2338.1	2285.9	2272.8	2268.6	2277.1	2307.6
47.5°	2804.0	2564.6	2338.1	2107.4	1942.0	1828.7	1780.8	1763.3	1746.0	1763.3	1767.8
50°	2460.1	2211.8	1972.4	1741.6	1567.4	1467.3	1406.3	1380.2	1375.8	1375.8	1384.7
52.5°	2146.5	1915.8	1676.3	1441.3	1258.3	1162.6	1106.0	1092.9	1075.5	1092.9	1092.9
55°	1850.4	1619.7	1384.7	1162.6	1010.0	910.0	857.7	840.3	831.6	844.7	844.7
57.5°	1528.4	1332.3	1114.7	914.4	762.1	692.3	653.1	631.3	626.9	635.7	626.9
60°	1254.0	1088.6	901.3	718.4	600.9	526.9	496.4	487.6	478.9	487.6	487.6
62.5°	992.6	853.4	701.0	561.6	461.5	409.3	374.4	374.4	370.0	370.0	374.4
65°	735.8	626.9	518.1	400.5	322.2	282.9	256.8	256.8	252.6	256.8	252.6
67.5°	535.5	461.5	374.4	291.8	230.8	209.0	191.6	178.5	187.3	178.5	174.2
70°	391.9	330.8	269.9	222.1	178.5	156.8	143.7	139.2	130.6	130.6	130.6
72.5°	261.3	222.1	182.8	143.7	117.6	95.7	91.4	82.8	74.0	78.4	87.1
75°	174.2	148.1	130.6	104.5	78.4	78.4	52.4	52.4	43.5	52.4	39.2
77.5°	121.9	100.2	78.4	65.2	52.4	47.9	34.8	34.8	30.5	30.5	30.5
80°	87.1	74.0	56.6	47.9	34.8	34.8	30.5	26.1	21.6	21.6	26.1
82.5°	52.4	39.2	39.2	34.8	21.6	17.4	13.1	17.4	8.7	8.7	8.7
85°	30.5	26.1	21.6	13.1	8.7	8.7	4.3	0.0	4.3	4.3	0.0
87.5°	17.4	8.7	8.7	4.3	0.0	4.3	4.3	0.0	0.0	0.0	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	8969.3	8964.9	8973.7	8973.7	8999.8	8995.4	9008.5	9008.5	8999.8	9004.2	9021.6
5°	8999.8	9013.0	9039.0	9060.8	9099.8	9117.4	9139.1	9160.9	9165.3	9178.4	9191.4
7.5°	8999.8	9043.4	9073.8	9112.9	9165.3	9195.8	9243.5	9282.9	9300.3	9321.9	9348.1
10°	8982.3	9025.8	9082.5	9126.1	9191.4	9239.3	9287.1	9348.1	9374.3	9409.0	9444.0
12.5°	8947.5	8995.4	9056.3	9112.9	9186.9	9230.5	9291.4	9348.1	9387.4	9435.2	9474.5
15°	8895.4	8951.9	9008.5	9065.1	9143.4	9195.8	9252.4	9317.6	9356.9	9409.0	9444.0
17.5°	8812.6	8873.5	8925.9	8978.0	9052.0	9112.9	9165.3	9226.2	9265.5	9309.0	9356.9
20°	8712.4	8769.0	8825.6	8869.2	8943.2	8995.4	9052.0	9108.7	9139.1	9147.9	9221.9
22.5°	8586.2	8625.3	8668.8	8738.5	8782.1	8830.0	8882.2	8934.5	8964.9	9013.0	9039.0
25°	8377.1	8416.4	8464.2	8494.6	8547.0	8586.2	8638.4	8695.0	8712.4	8747.4	8773.3
27.5°	8085.5	8107.2	8129.0	8155.1	8185.5	8207.4	8237.8	8264.0	8281.4	8298.8	8316.1
30°	7623.8	7623.8	7623.8	7606.4	7619.5	7632.7	7636.9	7632.7	7632.7	7628.3	7628.3
32.5°	7014.3	6979.6	6940.3	6905.6	6892.5	6875.1	6866.3	6853.2	6831.5	6818.5	6822.7
35°	6191.4	6113.0	6065.2	6021.7	5986.9	5960.7	5947.7	5934.6	5930.2	5912.8	5895.3
37.5°	5163.9	5107.3	5072.5	5046.4	5015.9	4989.7	4994.1	4998.5	5011.4	5002.8	5007.1
40°	4075.4	4062.3	4075.4	4044.9	4036.2	4044.9	4066.5	4097.3	4114.6	4132.0	4162.5
42.5°	3100.1	3121.8	3152.4	3152.4	3165.3	3182.9	3208.9	3256.8	3282.8	3313.3	3348.3
45°	2333.7	2359.9	2399.2	2412.1	2420.8	2442.5	2473.2	2512.3	2529.6	2555.8	2586.3
47.5°	1798.2	1815.7	1837.3	1859.2	1880.9	1889.7	1920.2	1920.2	1942.0	1959.4	1967.9
50°	1402.0	1419.4	1436.8	1449.9	1458.6	1471.8	1480.3	1493.4	1497.7	1506.5	1510.8
52.5°	1097.1	1119.0	1119.0	1127.6	1140.7	1153.8	1149.5	1153.8	1158.1	1158.1	1171.2
55°	857.7	857.7	870.8	870.8	879.5	875.2	879.5	879.5	879.5	879.5	883.9
57.5°	640.0	644.5	657.6	648.7	644.5	653.1	644.5	653.1	648.7	657.6	644.5
60°	491.9	491.9	496.4	496.4	500.8	500.8	500.8	496.4	496.4	491.9	491.9
62.5°	370.0	374.4	378.9	374.4	374.4	374.4	370.0	370.0	365.8	361.3	361.3
65°	248.2	243.9	252.6	243.9	248.2	248.2	243.9	248.2	235.2	239.4	235.2
67.5°	178.5	174.2	169.9	174.2	169.9	165.5	165.5	169.9	174.2	161.1	161.1
70°	117.6	121.9	117.6	121.9	126.3	126.3	121.9	117.6	121.9	113.2	117.6
72.5°	74.0	74.0	74.0	74.0	74.0	78.4	78.4	78.4	69.7	69.7	65.2
75°	34.8	47.9	39.2	34.8	47.9	47.9	43.5	43.5	39.2	39.2	39.2
77.5°	34.8	26.1	26.1	26.1	26.1	26.1	26.1	26.1	21.6	26.1	21.6
80°	17.4	17.4	17.4	13.1	17.4	17.4	21.6	17.4	17.4	13.1	21.6
82.5°	8.7	8.7	8.7	0.0	4.3	8.7	8.7	4.3	8.7	8.7	4.3
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 ER8B175930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	9017.2	9013.0	9017.2	9021.6	9017.2	9013.0	9017.2	9021.6	9004.2	8999.8	9008.5
5°	9208.8	9208.8	9217.4	9221.9	9217.4	9208.8	9208.8	9191.4	9178.4	9165.3	9160.9
7.5°	9374.3	9383.0	9391.6	9395.9	9391.6	9383.0	9374.3	9348.1	9321.9	9300.3	9282.9
10°	9474.5	9487.5	9504.8	9513.5	9504.8	9487.5	9474.5	9444.0	9409.0	9374.3	9348.1
12.5°	9518.0	9531.1	9552.7	9548.5	9552.7	9531.1	9518.0	9474.5	9435.2	9387.4	9348.1
15°	9487.5	9504.8	9526.6	9535.3	9526.6	9504.8	9487.5	9444.0	9409.0	9356.9	9317.6
17.5°	9391.6	9417.7	9430.9	9444.0	9430.9	9417.7	9391.6	9356.9	9309.0	9265.5	9226.2
20°	9261.0	9278.5	9295.9	9300.3	9295.9	9278.5	9261.0	9221.9	9147.9	9139.1	9108.7
22.5°	9073.8	9086.9	9126.1	9112.9	9126.1	9086.9	9073.8	9039.0	9013.0	8964.9	8934.5
25°	8803.8	8816.9	8821.4	8825.6	8821.4	8816.9	8803.8	8773.3	8747.4	8712.4	8695.0
27.5°	8338.0	8338.0	8346.6	8351.1	8346.6	8338.0	8338.0	8316.1	8298.8	8281.4	8264.0
30°	7632.7	7632.7	7632.7	7654.5	7632.7	7632.7	7632.7	7628.3	7628.3	7632.7	7632.7
32.5°	6818.5	6809.6	6801.1	6809.6	6801.1	6809.6	6818.5	6822.7	6818.5	6831.5	6853.2
35°	5895.3	5891.0	5904.1	5886.7	5904.1	5891.0	5895.3	5895.3	5912.8	5930.2	5934.6
37.5°	5011.4	5002.8	5020.2	5002.8	5020.2	5002.8	5011.4	5007.1	5002.8	5011.4	4998.5
40°	4171.2	4179.9	4179.9	4214.8	4179.9	4179.9	4171.2	4162.5	4132.0	4114.6	4097.3
42.5°	3365.7	3391.8	3383.1	3409.2	3383.1	3391.8	3365.7	3348.3	3313.3	3282.8	3256.8
45°	2603.6	2621.2	2621.2	2629.9	2621.2	2621.2	2603.6	2586.3	2555.8	2529.6	2512.3
47.5°	1998.4	1998.4	1998.4	2002.9	1998.4	1998.4	1998.4	1967.9	1959.4	1942.0	1920.2
50°	1519.5	1523.9	1528.4	1532.6	1528.4	1523.9	1519.5	1510.8	1506.5	1497.7	1493.4
52.5°	1166.8	1171.2	1162.6	1171.2	1162.6	1171.2	1166.8	1171.2	1158.1	1158.1	1153.8
55°	883.9	879.5	883.9	888.2	883.9	879.5	883.9	883.9	879.5	879.5	879.5
57.5°	648.7	640.0	640.0	640.0	640.0	640.0	648.7	644.5	657.6	648.7	653.1
60°	483.4	487.6	487.6	491.9	487.6	487.6	483.4	491.9	491.9	496.4	496.4
62.5°	357.0	370.0	361.3	370.0	361.3	370.0	357.0	361.3	361.3	365.8	370.0
65°	230.8	230.8	230.8	235.2	230.8	230.8	230.8	235.2	239.4	235.2	248.2
67.5°	156.8	161.1	169.9	165.5	169.9	161.1	156.8	161.1	161.1	174.2	169.9
70°	126.3	113.2	113.2	126.3	113.2	113.2	126.3	117.6	113.2	121.9	117.6
72.5°	74.0	65.2	74.0	74.0	74.0	65.2	74.0	65.2	69.7	69.7	78.4
75°	39.2	34.8	30.5	43.5	30.5	34.8	39.2	39.2	39.2	39.2	43.5
77.5°	26.1	21.6	30.5	30.5	30.5	21.6	26.1	21.6	26.1	21.6	26.1
80°	13.1	17.4	13.1	21.6	13.1	17.4	13.1	21.6	13.1	17.4	17.4
82.5°	4.3	8.7	8.7	8.7	8.7	8.7	4.3	4.3	8.7	8.7	4.3
85°	0.0	8.7	4.3	4.3	4.3	8.7	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	0.0	0.0	4.3	0.0	0.0	4.3	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 ER8B175930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	9008.5	8995.4	8999.8	8973.7	8973.7	8964.9	8969.3	8947.5	8939.0	8930.1	8943.2
5°	9139.1	9117.4	9099.8	9060.8	9039.0	9013.0	8999.8	8964.9	8934.5	8908.3	8904.0
7.5°	9243.5	9195.8	9165.3	9112.9	9073.8	9043.4	8999.8	8951.9	8912.7	8877.9	8851.9
10°	9287.1	9239.3	9191.4	9126.1	9082.5	9025.8	8982.3	8921.4	8869.2	8821.4	8790.8
12.5°	9291.4	9230.5	9186.9	9112.9	9056.3	8995.4	8947.5	8877.9	8816.9	8769.0	8721.2
15°	9252.4	9195.8	9143.4	9065.1	9008.5	8951.9	8895.4	8821.4	8764.8	8708.2	8673.3
17.5°	9165.3	9112.9	9052.0	8978.0	8925.9	8873.5	8812.6	8751.6	8686.2	8625.3	8581.7
20°	9052.0	8995.4	8943.2	8869.2	8825.6	8769.0	8712.4	8647.2	8594.8	8533.9	8486.1
22.5°	8882.2	8830.0	8782.1	8738.5	8668.8	8625.3	8586.2	8512.2	8459.9	8403.2	8351.1
25°	8638.4	8586.2	8547.0	8494.6	8464.2	8416.4	8377.1	8311.9	8264.0	8211.7	8168.2
27.5°	8237.8	8207.4	8185.5	8155.1	8129.0	8107.2	8085.5	8033.2	7998.4	7950.6	7907.0
30°	7636.9	7632.7	7619.5	7606.4	7623.8	7623.8	7623.8	7615.3	7584.8	7549.8	7519.3
32.5°	6866.3	6875.1	6892.5	6905.6	6940.3	6979.6	7014.3	7031.7	7031.7	7010.1	6996.9
35°	5947.7	5960.7	5986.9	6021.7	6065.2	6113.0	6191.4	6208.9	6221.9	6221.9	6204.4
37.5°	4994.1	4989.7	5015.9	5046.4	5072.5	5107.3	5163.9	5177.0	5198.6	5190.1	5172.5
40°	4066.5	4044.9	4036.2	4044.9	4075.4	4062.3	4075.4	4066.5	4066.5	4036.2	4036.2
42.5°	3208.9	3182.9	3165.3	3152.4	3152.4	3121.8	3100.1	3078.4	3065.3	3043.4	3039.1
45°	2473.2	2442.5	2420.8	2412.1	2399.2	2359.9	2333.7	2307.6	2277.1	2268.6	2272.8
47.5°	1920.2	1889.7	1880.9	1859.2	1837.3	1815.7	1798.2	1767.8	1763.3	1746.0	1763.3
50°	1480.3	1471.8	1458.6	1449.9	1436.8	1419.4	1402.0	1384.7	1375.8	1375.8	1380.2
52.5°	1149.5	1153.8	1140.7	1127.6	1119.0	1119.0	1097.1	1092.9	1092.9	1075.5	1092.9
55°	879.5	875.2	879.5	870.8	870.8	857.7	857.7	844.7	844.7	831.6	840.3
57.5°	644.5	653.1	644.5	648.7	657.6	644.5	640.0	626.9	635.7	626.9	631.3
60°	500.8	500.8	500.8	496.4	496.4	491.9	491.9	487.6	487.6	478.9	487.6
62.5°	370.0	374.4	374.4	374.4	378.9	374.4	370.0	374.4	370.0	370.0	374.4
65°	243.9	248.2	248.2	243.9	252.6	243.9	248.2	252.6	256.8	252.6	256.8
67.5°	165.5	165.5	169.9	174.2	169.9	174.2	178.5	174.2	178.5	187.3	178.5
70°	121.9	126.3	126.3	121.9	117.6	121.9	117.6	130.6	130.6	130.6	139.2
72.5°	78.4	78.4	74.0	74.0	74.0	74.0	74.0	87.1	78.4	74.0	82.8
75°	43.5	47.9	47.9	34.8	39.2	47.9	34.8	39.2	52.4	43.5	52.4
77.5°	26.1	26.1	26.1	26.1	26.1	26.1	34.8	30.5	30.5	30.5	34.8
80°	21.6	17.4	17.4	13.1	17.4	17.4	17.4	26.1	21.6	21.6	26.1
82.5°	8.7	8.7	4.3	0.0	8.7	8.7	8.7	8.7	8.7	8.7	17.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248756

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	8908.3	8908.3	8904.0	8895.4	8877.9	8877.9	8873.5	8860.4	8851.9	8847.4	8847.4
5°	8864.8	8847.4	8830.0	8782.1	8782.1	8773.3	8747.4	8729.8	8721.2	8699.3	8690.7
7.5°	8825.6	8773.3	8742.9	8712.4	8673.3	8655.8	8625.3	8612.2	8581.7	8560.1	8547.0
10°	8729.8	8695.0	8655.8	8607.9	8577.4	8542.7	8507.7	8481.7	8442.5	8420.6	8403.2
12.5°	8664.5	8612.2	8577.4	8525.1	8473.0	8442.5	8394.6	8364.2	8324.9	8281.4	8255.3
15°	8603.6	8547.0	8499.1	8442.5	8385.9	8351.1	8294.5	8259.8	8203.0	8159.5	8129.0
17.5°	8512.2	8464.2	8412.0	8342.4	8290.1	8246.6	8185.5	8142.2	8089.8	8033.2	8002.7
20°	8416.4	8359.7	8307.5	8237.8	8185.5	8133.3	8072.4	8024.6	7963.5	7911.3	7876.5
22.5°	8290.1	8224.8	8181.2	8111.4	8050.6	7994.1	7937.5	7880.9	7824.2	7780.6	7741.4
25°	8107.2	8037.5	7989.6	7933.0	7876.5	7833.0	7763.3	7728.5	7671.9	7632.7	7593.4
27.5°	7845.9	7793.8	7750.1	7693.5	7645.7	7610.9	7558.6	7523.8	7475.8	7441.1	7410.6
30°	7462.9	7419.3	7380.1	7323.5	7288.7	7258.3	7210.2	7179.8	7145.0	7105.7	7097.2
32.5°	6949.1	6914.1	6875.1	6835.9	6809.6	6792.3	6753.0	6735.6	6700.9	6679.0	6657.3
35°	6174.0	6143.5	6121.8	6104.4	6095.7	6099.9	6091.4	6108.8	6117.4	6113.0	6117.4
37.5°	5159.6	5142.0	5150.9	5163.9	5207.5	5264.1	5316.2	5394.6	5446.9	5499.3	5547.0
40°	4027.5	4040.6	4075.4	4153.6	4267.0	4393.3	4510.9	4658.9	4807.0	4911.4	5007.1
42.5°	3039.1	3078.4	3165.3	3278.6	3448.4	3635.6	3818.6	4036.2	4214.8	4388.8	4510.9
45°	2285.9	2338.1	2451.3	2608.1	2795.2	3013.0	3243.8	3487.5	3701.0	3879.4	4014.4
47.5°	1780.8	1828.7	1942.0	2107.4	2338.1	2564.6	2804.0	3056.5	3278.6	3452.8	3570.4
50°	1406.3	1467.3	1567.4	1741.6	1972.4	2211.8	2460.1	2708.1	2917.3	3065.3	3169.7
52.5°	1106.0	1162.6	1258.3	1441.3	1676.3	1915.8	2146.5	2390.4	2573.1	2717.0	2786.6
55°	857.7	910.0	1010.0	1162.6	1384.7	1619.7	1850.4	2059.5	2229.2	2333.7	2399.2
57.5°	653.1	692.3	762.1	914.4	1114.7	1332.3	1528.4	1737.3	1867.9	1942.0	1985.4
60°	496.4	526.9	600.9	718.4	901.3	1088.6	1254.0	1410.8	1515.3	1576.2	1619.7
62.5°	374.4	409.3	461.5	561.6	701.0	853.4	992.6	1110.2	1197.3	1236.6	1267.1
65°	256.8	282.9	322.2	400.5	518.1	626.9	735.8	822.9	879.5	923.1	940.5
67.5°	191.6	209.0	230.8	291.8	374.4	461.5	535.5	596.5	657.6	675.0	705.4
70°	143.7	156.8	178.5	222.1	269.9	330.8	391.9	426.8	470.3	500.8	509.5
72.5°	91.4	95.7	117.6	143.7	182.8	222.1	261.3	291.8	317.9	335.3	343.9
75°	52.4	78.4	78.4	104.5	130.6	148.1	174.2	195.8	209.0	222.1	222.1
77.5°	34.8	47.9	52.4	65.2	78.4	100.2	121.9	135.0	148.1	152.3	152.3
80°	30.5	34.8	34.8	47.9	56.6	74.0	87.1	91.4	100.2	104.5	113.2
82.5°	13.1	17.4	21.6	34.8	39.2	39.2	52.4	56.6	65.2	69.7	69.7
85°	4.3	8.7	8.7	13.1	21.6	26.1	30.5	34.8	39.2	39.2	43.5
87.5°	4.3	4.3	0.0	4.3	8.7	8.7	17.4	17.4	17.4	26.1	26.1
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: P248756

CATALOG NUMBER: LD8B175D010 ER8B175930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1	8917.1
2.5°	8838.7	8843.0	8825.6	8821.4	8812.6	8816.9	8825.6
5°	8677.7	8681.9	8664.5	8647.2	8647.2	8642.7	8647.2
7.5°	8525.1	8529.6	8503.5	8494.6	8477.2	8481.7	8481.7
10°	8372.7	8372.7	8333.7	8329.3	8316.1	8311.9	8311.9
12.5°	8224.8	8211.7	8181.2	8163.8	8172.7	8146.4	8146.4
15°	8094.1	8072.4	8033.2	8020.1	7998.4	7989.6	7989.6
17.5°	7959.1	7941.7	7907.0	7880.9	7854.6	7850.4	7854.6
20°	7828.5	7811.1	7767.5	7750.1	7728.5	7728.5	7719.8
22.5°	7697.9	7680.4	7641.4	7628.3	7597.8	7597.8	7602.2
25°	7562.9	7549.8	7506.3	7497.7	7493.3	7475.8	7484.6
27.5°	7380.1	7371.4	7336.6	7323.5	7306.1	7301.7	7310.4
30°	7044.8	7031.7	7005.7	6992.7	6962.2	6966.5	6975.1
32.5°	6626.9	6609.5	6574.6	6561.4	6535.4	6526.7	6530.9
35°	6104.4	6091.4	6060.9	6060.9	6034.8	6025.9	6034.8
37.5°	5573.3	5586.2	5573.3	5586.2	5573.3	5568.8	5573.3
40°	5072.5	5120.4	5129.0	5177.0	5159.6	5185.6	5181.3
42.5°	4593.5	4671.8	4702.5	4741.5	4732.9	4750.3	4763.4
45°	4110.1	4175.5	4206.0	4232.2	4236.5	4245.2	4249.6
47.5°	3653.0	3705.2	3709.6	3740.1	3735.7	3735.7	3748.8
50°	3226.5	3261.2	3269.8	3291.7	3274.3	3265.5	3269.8
52.5°	2830.2	2864.9	2856.2	2864.9	2843.3	2834.4	2838.8
55°	2425.2	2442.5	2442.5	2442.5	2416.5	2416.5	2416.5
57.5°	2011.5	2016.0	2007.3	2011.5	2007.3	1981.0	1976.8
60°	1632.8	1632.8	1628.4	1632.8	1619.7	1606.6	1606.6
62.5°	1275.7	1284.4	1301.8	1284.4	1275.7	1284.4	1271.3
65°	953.6	971.0	966.5	975.3	971.0	971.0	962.2
67.5°	718.4	722.8	727.1	731.6	731.6	731.6	731.6
70°	526.9	540.0	535.5	535.5	535.5	535.5	561.6
72.5°	352.7	370.0	365.8	374.4	374.4	383.2	374.4
75°	239.4	256.8	248.2	261.3	256.8	248.2	269.9
77.5°	161.1	169.9	174.2	178.5	174.2	169.9	174.2
80°	113.2	121.9	117.6	121.9	121.9	121.9	126.3
82.5°	69.7	82.8	78.4	82.8	78.4	82.8	82.8
85°	47.9	52.4	43.5	52.4	47.9	47.9	56.6
87.5°	30.5	26.1	26.1	30.5	26.1	30.5	26.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)