

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: P249071

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249071  
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 ER8B1759727 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12642.0 lumens  
Efficiency: N/A  
Efficacy: 71.3 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

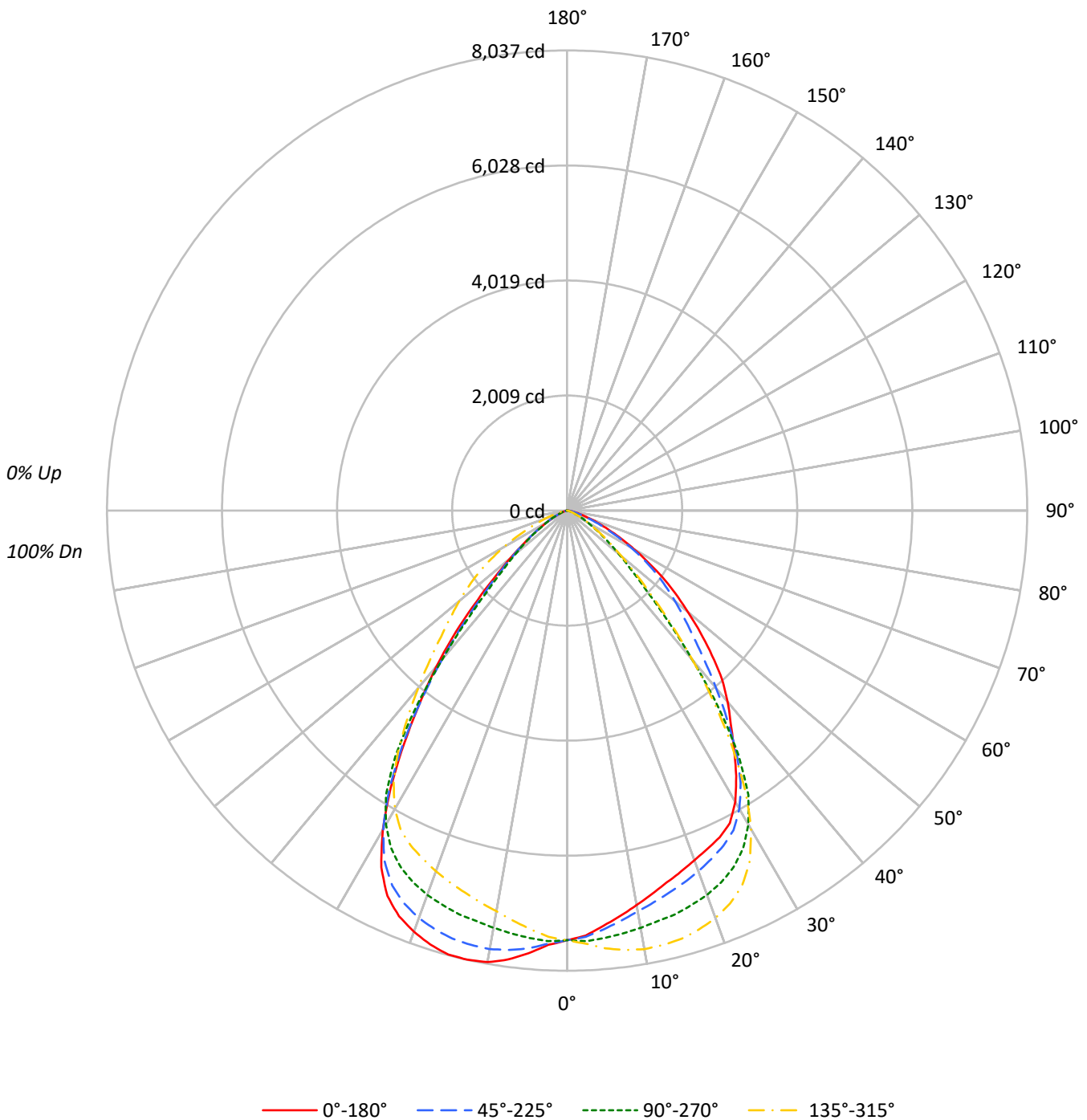
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	714.4	5.7
10°-20°	2068.6	16.4
20°-30°	3132.3	24.8
30°-40°	3139.4	24.8
40°-50°	1971.4	15.6
50°-60°	1050.5	8.3
60°-70°	432.0	3.4
70°-80°	114.1	0.9
80°-90°	19.3	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°	5915.3	46.8
0°-40°	9054.7	71.6
0°-60°	12076.6	95.5
0°-90°	12642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7505	7505	7505	7505	7505	
5°	7278	7494	7762	7494	7278	686
15°	6725	7300	8026	7300	6725	1902
25°	6300	6875	7428	6875	6300	2889
35°	5079	5222	4955	5222	5079	3182
45°	3577	1913	2213	1913	3577	2751
55°	2034	707	748	707	2034	1813
65°	810	216	198	216	810	840
75°	227	44	37	44	227	257
85°	48	0	4	0	48	52
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°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7428.2	7420.8	7417.2	7424.6	7428.2	7442.9	7439.2	7446.5	7446.5	7450.2	7457.5
5°	7278.0	7274.2	7278.0	7278.0	7292.6	7307.3	7303.6	7314.6	7321.9	7340.3	7347.5
7.5°	7138.8	7138.8	7135.0	7149.6	7157.0	7179.0	7175.3	7193.7	7204.7	7222.9	7248.6
10°	6995.8	6995.8	6999.4	7010.4	7014.2	7047.1	7047.1	7072.7	7087.3	7105.7	7138.8
12.5°	6856.5	6856.5	6878.6	6871.2	6885.8	6911.5	6922.5	6948.1	6970.1	7006.8	7039.8
15°	6724.6	6724.6	6732.0	6750.2	6761.2	6794.2	6812.5	6841.9	6867.6	6904.2	6951.9
17.5°	6611.0	6607.4	6611.0	6633.0	6655.0	6684.3	6698.9	6735.6	6761.2	6808.9	6852.9
20°	6497.4	6504.8	6504.8	6523.0	6537.7	6574.3	6589.0	6629.4	6658.6	6702.5	6754.0
22.5°	6398.4	6394.8	6394.8	6420.5	6431.5	6464.4	6479.0	6515.6	6548.7	6585.3	6633.0
25°	6299.5	6292.1	6306.9	6310.5	6317.7	6354.4	6365.4	6391.1	6424.1	6457.1	6504.8
27.5°	6152.9	6145.6	6149.3	6163.9	6174.9	6204.2	6211.6	6237.2	6262.8	6292.1	6332.5
30°	5870.7	5863.4	5859.8	5885.4	5896.5	5918.3	5929.3	5973.4	5980.6	6013.7	6042.9
32.5°	5496.9	5493.3	5500.7	5522.5	5533.5	5562.9	5577.6	5603.2	5621.5	5639.9	5669.1
35°	5079.2	5071.8	5079.2	5101.2	5101.2	5126.9	5137.9	5148.7	5145.1	5148.7	5141.5
37.5°	4690.8	4687.0	4690.8	4701.7	4690.8	4701.7	4690.8	4668.8	4628.5	4584.5	4540.4
40°	4360.9	4364.5	4342.7	4357.3	4316.9	4309.6	4269.4	4214.3	4133.7	4045.8	3921.2
42.5°	4009.2	3998.1	3983.5	3990.8	3957.9	3932.1	3866.2	3796.6	3693.9	3547.4	3397.0
45°	3576.7	3573.1	3565.7	3562.1	3540.0	3514.4	3459.3	3378.8	3265.2	3115.0	2935.3
47.5°	3155.3	3144.2	3144.2	3147.9	3122.2	3118.6	3074.6	3005.0	2906.1	2759.5	2572.6
50°	2752.1	2748.4	2755.8	2770.5	2752.1	2744.8	2715.6	2667.9	2580.0	2455.4	2279.3
52.5°	2389.3	2385.7	2393.1	2411.3	2403.9	2411.3	2382.1	2345.4	2286.7	2165.7	2011.9
55°	2033.9	2033.9	2033.9	2055.8	2055.8	2055.8	2041.2	2019.3	1964.2	1876.3	1733.4
57.5°	1663.8	1667.4	1689.4	1693.0	1689.4	1696.8	1693.0	1671.0	1634.5	1572.2	1462.2
60°	1352.3	1352.3	1363.3	1374.3	1370.5	1374.3	1374.3	1363.3	1326.6	1275.3	1187.4
62.5°	1070.1	1081.1	1073.7	1081.1	1095.7	1081.1	1073.7	1066.4	1040.8	1007.8	934.4
65°	809.9	817.2	817.2	820.9	813.5	817.2	802.6	791.6	777.0	740.3	692.7
67.5°	615.7	615.7	615.7	615.7	612.0	608.3	604.7	593.7	568.1	553.4	502.0
70°	472.7	450.7	450.7	450.7	450.7	454.5	443.5	428.8	421.4	395.8	359.1
72.5°	315.1	322.5	315.1	315.1	307.9	311.5	296.9	289.5	282.2	267.6	245.6
75°	227.2	208.9	216.2	219.9	208.9	216.2	201.5	186.9	186.9	175.9	164.9
77.5°	146.6	143.0	146.6	150.2	146.6	143.0	135.6	128.2	128.2	124.6	113.6
80°	106.3	102.6	102.6	102.6	99.0	102.6	95.3	95.3	87.9	84.3	76.9
82.5°	69.7	69.7	65.9	69.7	65.9	69.7	58.7	58.7	58.7	54.9	47.7
85°	47.7	40.3	40.3	44.0	36.7	44.0	40.3	36.7	33.0	33.0	29.3
87.5°	22.0	25.6	22.0	25.6	22.0	22.0	25.6	22.0	22.0	14.6	14.6
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°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7468.5	7472.1	7472.1	7486.9	7494.1	7497.8	7497.8	7527.2	7516.2	7523.6	7530.8
5°	7362.3	7384.2	7391.6	7391.6	7431.8	7446.5	7461.1	7494.1	7497.8	7519.8	7545.4
7.5°	7259.6	7285.2	7300.0	7332.9	7358.5	7384.2	7428.2	7450.2	7472.1	7501.5	7534.4
10°	7160.6	7190.1	7219.3	7245.0	7285.2	7318.3	7347.5	7398.8	7424.6	7464.9	7508.8
12.5°	7065.5	7105.7	7131.4	7175.3	7219.3	7248.6	7292.6	7340.3	7380.6	7420.8	7472.1
15°	6981.1	7028.8	7058.1	7105.7	7153.4	7193.7	7241.3	7300.0	7329.3	7376.9	7424.6
17.5°	6889.4	6940.9	6977.5	7021.4	7080.1	7124.0	7164.4	7222.9	7259.6	7310.9	7365.9
20°	6794.2	6845.5	6889.4	6933.5	6992.2	7036.0	7083.7	7142.4	7182.7	7233.9	7278.0
22.5°	6680.7	6728.3	6775.8	6827.1	6885.8	6922.5	6977.5	7028.8	7072.7	7120.4	7164.4
25°	6534.1	6592.7	6629.4	6676.9	6724.6	6764.8	6823.5	6874.8	6911.5	6955.5	6995.8
27.5°	6361.8	6405.8	6435.1	6475.4	6523.0	6559.7	6603.6	6655.0	6691.7	6732.0	6761.2
30°	6068.6	6109.0	6134.6	6163.9	6211.6	6244.6	6281.2	6328.8	6354.4	6383.8	6409.5
32.5°	5683.8	5716.8	5731.4	5753.5	5786.5	5819.4	5848.8	5889.1	5900.1	5918.3	5918.3
35°	5126.9	5134.1	5130.5	5137.9	5152.5	5170.8	5196.4	5222.1	5236.7	5236.7	5225.8
37.5°	4474.5	4430.6	4382.9	4346.3	4335.3	4327.9	4342.7	4353.5	4368.3	4375.5	4357.3
40°	3796.6	3697.7	3591.3	3496.0	3430.1	3400.8	3389.8	3397.0	3397.0	3422.7	3422.7
42.5°	3213.9	3059.9	2902.4	2759.5	2664.1	2591.0	2557.9	2557.9	2561.6	2580.0	2591.0
45°	2730.2	2535.9	2352.6	2195.2	2063.2	1967.8	1924.0	1912.9	1909.3	1916.6	1942.2
47.5°	2360.0	2158.5	1967.8	1773.7	1634.5	1539.2	1498.9	1484.1	1469.5	1484.1	1487.9
50°	2070.6	1861.7	1660.1	1465.9	1319.2	1234.9	1183.6	1161.6	1158.0	1158.0	1165.4
52.5°	1806.6	1612.5	1410.9	1213.0	1059.0	978.5	930.8	919.8	905.2	919.8	919.8
55°	1557.4	1363.3	1165.4	978.5	850.1	766.0	721.9	707.3	699.9	710.9	710.9
57.5°	1286.4	1121.3	938.2	769.6	641.4	582.7	549.7	531.4	527.6	535.0	527.6
60°	1055.4	916.2	758.6	604.7	505.8	443.5	417.8	410.4	403.0	410.4	410.4
62.5°	835.5	718.3	589.9	472.7	388.4	344.5	315.1	315.1	311.5	311.5	315.1
65°	619.3	527.6	436.1	337.1	271.2	238.2	216.2	216.2	212.5	216.2	212.5
67.5°	450.7	388.4	315.1	245.6	194.3	175.9	161.2	150.2	157.6	150.2	146.6
70°	329.9	278.4	227.2	186.9	150.2	132.0	121.0	117.2	110.0	110.0	110.0
72.5°	219.9	186.9	153.9	121.0	99.0	80.5	76.9	69.7	62.3	65.9	73.3
75°	146.6	124.6	110.0	87.9	65.9	65.9	44.0	44.0	36.7	44.0	33.0
77.5°	102.6	84.3	65.9	54.9	44.0	40.3	29.3	29.3	25.6	25.6	25.6
80°	73.3	62.3	47.7	40.3	29.3	29.3	25.6	22.0	18.3	18.3	22.0
82.5°	44.0	33.0	33.0	29.3	18.3	14.6	11.0	14.6	7.4	7.4	7.4
85°	25.6	22.0	18.3	11.0	7.4	7.4	3.6	0.0	3.6	3.6	0.0
87.5°	14.6	7.4	7.4	3.6	0.0	3.6	3.6	0.0	0.0	0.0	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7549.2	7545.4	7552.8	7552.8	7574.8	7571.1	7582.1	7582.1	7574.8	7578.5	7593.1
5°	7574.8	7585.9	7607.7	7626.1	7659.0	7673.8	7692.0	7710.4	7714.1	7725.1	7736.1
7.5°	7574.8	7611.5	7637.1	7670.0	7714.1	7739.7	7780.0	7813.0	7827.6	7845.9	7867.9
10°	7560.1	7596.7	7644.4	7681.0	7736.1	7776.4	7816.6	7867.9	7889.9	7919.2	7948.6
12.5°	7530.8	7571.1	7622.4	7670.0	7732.3	7769.0	7820.3	7867.9	7901.0	7941.2	7974.3
15°	7486.9	7534.4	7582.1	7629.7	7695.7	7739.7	7787.4	7842.3	7875.3	7919.2	7948.6
17.5°	7417.2	7468.5	7512.5	7556.4	7618.7	7670.0	7714.1	7765.4	7798.4	7835.0	7875.3
20°	7332.9	7380.6	7428.2	7464.9	7527.2	7571.1	7618.7	7666.4	7692.0	7699.4	7761.7
22.5°	7226.7	7259.6	7296.2	7354.9	7391.6	7431.8	7475.9	7519.8	7545.4	7585.9	7607.7
25°	7050.7	7083.7	7124.0	7149.6	7193.7	7226.7	7270.6	7318.3	7332.9	7362.3	7384.2
27.5°	6805.3	6823.5	6841.9	6863.8	6889.4	6907.8	6933.5	6955.5	6970.1	6984.8	6999.4
30°	6416.7	6416.7	6416.7	6402.1	6413.1	6424.1	6427.7	6424.1	6424.1	6420.5	6420.5
32.5°	5903.7	5874.4	5841.4	5812.1	5801.1	5786.5	5779.1	5768.1	5749.8	5738.8	5742.4
35°	5211.0	5145.1	5104.9	5068.2	5038.9	5016.9	5005.9	4994.9	4991.3	4976.6	4961.9
37.5°	4346.3	4298.6	4269.4	4247.3	4221.7	4199.7	4203.3	4207.1	4217.9	4210.7	4214.3
40°	3430.1	3419.1	3430.1	3404.4	3397.0	3404.4	3422.7	3448.5	3463.1	3477.7	3503.4
42.5°	2609.2	2627.5	2653.3	2653.3	2664.1	2678.9	2700.8	2741.2	2763.1	2788.7	2818.1
45°	1964.2	1986.3	2019.3	2030.1	2037.5	2055.8	2081.6	2114.5	2129.1	2151.1	2176.8
47.5°	1513.5	1528.2	1546.4	1564.8	1583.1	1590.4	1616.1	1616.1	1634.5	1649.1	1656.4
50°	1180.0	1194.6	1209.3	1220.3	1227.7	1238.7	1245.9	1256.9	1260.6	1268.0	1271.6
52.5°	923.4	941.8	941.8	949.1	960.1	971.1	967.5	971.1	974.7	974.7	985.7
55°	721.9	721.9	732.9	732.9	740.3	736.5	740.3	740.3	740.3	740.3	743.9
57.5°	538.6	542.4	553.4	546.0	542.4	549.7	542.4	549.7	546.0	553.4	542.4
60°	414.1	414.1	417.8	417.8	421.4	421.4	421.4	417.8	417.8	414.1	414.1
62.5°	311.5	315.1	318.9	315.1	315.1	315.1	311.5	311.5	307.9	304.1	304.1
65°	208.9	205.3	212.5	205.3	208.9	208.9	205.3	208.9	197.9	201.5	197.9
67.5°	150.2	146.6	143.0	146.6	143.0	139.2	139.2	143.0	146.6	135.6	135.6
70°	99.0	102.6	99.0	102.6	106.3	106.3	102.6	99.0	102.6	95.3	99.0
72.5°	62.3	62.3	62.3	62.3	62.3	65.9	65.9	65.9	58.7	58.7	54.9
75°	29.3	40.3	33.0	29.3	40.3	40.3	36.7	36.7	33.0	33.0	33.0
77.5°	29.3	22.0	22.0	22.0	22.0	22.0	22.0	22.0	18.3	22.0	18.3
80°	14.6	14.6	14.6	11.0	14.6	14.6	18.3	14.6	14.6	11.0	18.3
82.5°	7.4	7.4	7.4	0.0	3.6	7.4	7.4	3.6	7.4	7.4	3.6
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: P249071

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7589.5	7585.9	7589.5	7593.1	7589.5	7585.9	7589.5	7593.1	7578.5	7574.8	7582.1
5°	7750.7	7750.7	7758.0	7761.7	7758.0	7750.7	7750.7	7736.1	7725.1	7714.1	7710.4
7.5°	7889.9	7897.3	7904.6	7908.2	7904.6	7897.3	7889.9	7867.9	7845.9	7827.6	7813.0
10°	7974.3	7985.3	7999.9	8007.1	7999.9	7985.3	7974.3	7948.6	7919.2	7889.9	7867.9
12.5°	8010.9	8021.9	8040.2	8036.6	8040.2	8021.9	8010.9	7974.3	7941.2	7901.0	7867.9
15°	7985.3	7999.9	8018.2	8025.6	8018.2	7999.9	7985.3	7948.6	7919.2	7875.3	7842.3
17.5°	7904.6	7926.6	7937.6	7948.6	7937.6	7926.6	7904.6	7875.3	7835.0	7798.4	7765.4
20°	7794.6	7809.4	7824.0	7827.6	7824.0	7809.4	7794.6	7761.7	7699.4	7692.0	7666.4
22.5°	7637.1	7648.2	7681.0	7670.0	7681.0	7648.2	7637.1	7607.7	7585.9	7545.4	7519.8
25°	7409.8	7420.8	7424.6	7428.2	7424.6	7420.8	7409.8	7384.2	7362.3	7332.9	7318.3
27.5°	7017.8	7017.8	7025.0	7028.8	7025.0	7017.8	7017.8	6999.4	6984.8	6970.1	6955.5
30°	6424.1	6424.1	6424.1	6442.5	6424.1	6424.1	6424.1	6420.5	6420.5	6424.1	6424.1
32.5°	5738.8	5731.4	5724.2	5731.4	5724.2	5731.4	5738.8	5742.4	5738.8	5749.8	5768.1
35°	4961.9	4958.2	4969.2	4954.6	4969.2	4958.2	4961.9	4961.9	4976.6	4991.3	4994.9
37.5°	4217.9	4210.7	4225.3	4210.7	4225.3	4210.7	4217.9	4214.3	4210.7	4217.9	4207.1
40°	3510.8	3518.0	3518.0	3547.4	3518.0	3518.0	3510.8	3503.4	3477.7	3463.1	3448.5
42.5°	2832.8	2854.8	2847.4	2869.4	2847.4	2854.8	2832.8	2818.1	2788.7	2763.1	2741.2
45°	2191.4	2206.2	2206.2	2213.4	2206.2	2206.2	2191.4	2176.8	2151.1	2129.1	2114.5
47.5°	1682.0	1682.0	1682.0	1685.8	1682.0	1682.0	1682.0	1656.4	1649.1	1634.5	1616.1
50°	1279.0	1282.6	1286.4	1290.0	1286.4	1282.6	1279.0	1271.6	1268.0	1260.6	1256.9
52.5°	982.1	985.7	978.5	985.7	978.5	985.7	982.1	985.7	974.7	974.7	971.1
55°	743.9	740.3	743.9	747.6	743.9	740.3	743.9	743.9	740.3	740.3	740.3
57.5°	546.0	538.6	538.6	538.6	538.6	538.6	546.0	542.4	553.4	546.0	549.7
60°	406.8	410.4	410.4	414.1	410.4	410.4	406.8	414.1	414.1	417.8	417.8
62.5°	300.5	311.5	304.1	311.5	304.1	311.5	300.5	304.1	304.1	307.9	311.5
65°	194.3	194.3	194.3	197.9	194.3	194.3	194.3	197.9	201.5	197.9	208.9
67.5°	132.0	135.6	143.0	139.2	143.0	135.6	132.0	135.6	135.6	146.6	143.0
70°	106.3	95.3	95.3	106.3	95.3	95.3	106.3	99.0	95.3	102.6	99.0
72.5°	62.3	54.9	62.3	62.3	62.3	54.9	62.3	54.9	58.7	58.7	65.9
75°	33.0	29.3	25.6	36.7	25.6	29.3	33.0	33.0	33.0	33.0	36.7
77.5°	22.0	18.3	25.6	25.6	25.6	18.3	22.0	18.3	22.0	18.3	22.0
80°	11.0	14.6	11.0	18.3	11.0	14.6	11.0	18.3	11.0	14.6	14.6
82.5°	3.6	7.4	7.4	7.4	7.4	7.4	3.6	3.6	7.4	7.4	3.6
85°	0.0	7.4	3.6	3.6	3.6	7.4	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.0	0.0	3.6	0.0	0.0	3.6	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: P249071

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7582.1	7571.1	7574.8	7552.8	7552.8	7545.4	7549.2	7530.8	7523.6	7516.2	7527.2
5°	7692.0	7673.8	7659.0	7626.1	7607.7	7585.9	7574.8	7545.4	7519.8	7497.8	7494.1
7.5°	7780.0	7739.7	7714.1	7670.0	7637.1	7611.5	7574.8	7534.4	7501.5	7472.1	7450.2
10°	7816.6	7776.4	7736.1	7681.0	7644.4	7596.7	7560.1	7508.8	7464.9	7424.6	7398.8
12.5°	7820.3	7769.0	7732.3	7670.0	7622.4	7571.1	7530.8	7472.1	7420.8	7380.6	7340.3
15°	7787.4	7739.7	7695.7	7629.7	7582.1	7534.4	7486.9	7424.6	7376.9	7329.3	7300.0
17.5°	7714.1	7670.0	7618.7	7556.4	7512.5	7468.5	7417.2	7365.9	7310.9	7259.6	7222.9
20°	7618.7	7571.1	7527.2	7464.9	7428.2	7380.6	7332.9	7278.0	7233.9	7182.7	7142.4
22.5°	7475.9	7431.8	7391.6	7354.9	7296.2	7259.6	7226.7	7164.4	7120.4	7072.7	7028.8
25°	7270.6	7226.7	7193.7	7149.6	7124.0	7083.7	7050.7	6995.8	6955.5	6911.5	6874.8
27.5°	6933.5	6907.8	6889.4	6863.8	6841.9	6823.5	6805.3	6761.2	6732.0	6691.7	6655.0
30°	6427.7	6424.1	6413.1	6402.1	6416.7	6416.7	6416.7	6409.5	6383.8	6354.4	6328.8
32.5°	5779.1	5786.5	5801.1	5812.1	5841.4	5874.4	5903.7	5918.3	5918.3	5900.1	5889.1
35°	5005.9	5016.9	5038.9	5068.2	5104.9	5145.1	5211.0	5225.8	5236.7	5236.7	5222.1
37.5°	4203.3	4199.7	4221.7	4247.3	4269.4	4298.6	4346.3	4357.3	4375.5	4368.3	4353.5
40°	3422.7	3404.4	3397.0	3404.4	3430.1	3419.1	3430.1	3422.7	3422.7	3397.0	3397.0
42.5°	2700.8	2678.9	2664.1	2653.3	2653.3	2627.5	2609.2	2591.0	2580.0	2561.6	2557.9
45°	2081.6	2055.8	2037.5	2030.1	2019.3	1986.3	1964.2	1942.2	1916.6	1909.3	1912.9
47.5°	1616.1	1590.4	1583.1	1564.8	1546.4	1528.2	1513.5	1487.9	1484.1	1469.5	1484.1
50°	1245.9	1238.7	1227.7	1220.3	1209.3	1194.6	1180.0	1165.4	1158.0	1158.0	1161.6
52.5°	967.5	971.1	960.1	949.1	941.8	941.8	923.4	919.8	919.8	905.2	919.8
55°	740.3	736.5	740.3	732.9	732.9	721.9	721.9	710.9	710.9	699.9	707.3
57.5°	542.4	549.7	542.4	546.0	553.4	542.4	538.6	527.6	535.0	527.6	531.4
60°	421.4	421.4	421.4	417.8	417.8	414.1	414.1	410.4	410.4	403.0	410.4
62.5°	311.5	315.1	315.1	315.1	318.9	315.1	311.5	315.1	311.5	311.5	315.1
65°	205.3	208.9	208.9	205.3	212.5	205.3	208.9	212.5	216.2	212.5	216.2
67.5°	139.2	139.2	143.0	146.6	143.0	146.6	150.2	146.6	150.2	157.6	150.2
70°	102.6	106.3	106.3	102.6	99.0	102.6	99.0	110.0	110.0	110.0	117.2
72.5°	65.9	65.9	62.3	62.3	62.3	62.3	62.3	73.3	65.9	62.3	69.7
75°	36.7	40.3	40.3	29.3	33.0	40.3	29.3	33.0	44.0	36.7	44.0
77.5°	22.0	22.0	22.0	22.0	22.0	22.0	29.3	25.6	25.6	25.6	29.3
80°	18.3	14.6	14.6	11.0	14.6	14.6	14.6	22.0	18.3	18.3	22.0
82.5°	7.4	7.4	3.6	0.0	7.4	7.4	7.4	7.4	7.4	7.4	14.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P249071

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7497.8	7497.8	7494.1	7486.9	7472.1	7472.1	7468.5	7457.5	7450.2	7446.5	7446.5
5°	7461.1	7446.5	7431.8	7391.6	7391.6	7384.2	7362.3	7347.5	7340.3	7321.9	7314.6
7.5°	7428.2	7384.2	7358.5	7332.9	7300.0	7285.2	7259.6	7248.6	7222.9	7204.7	7193.7
10°	7347.5	7318.3	7285.2	7245.0	7219.3	7190.1	7160.6	7138.8	7105.7	7087.3	7072.7
12.5°	7292.6	7248.6	7219.3	7175.3	7131.4	7105.7	7065.5	7039.8	7006.8	6970.1	6948.1
15°	7241.3	7193.7	7153.4	7105.7	7058.1	7028.8	6981.1	6951.9	6904.2	6867.6	6841.9
17.5°	7164.4	7124.0	7080.1	7021.4	6977.5	6940.9	6889.4	6852.9	6808.9	6761.2	6735.6
20°	7083.7	7036.0	6992.2	6933.5	6889.4	6845.5	6794.2	6754.0	6702.5	6658.6	6629.4
22.5°	6977.5	6922.5	6885.8	6827.1	6775.8	6728.3	6680.7	6633.0	6585.3	6548.7	6515.6
25°	6823.5	6764.8	6724.6	6676.9	6629.4	6592.7	6534.1	6504.8	6457.1	6424.1	6391.1
27.5°	6603.6	6559.7	6523.0	6475.4	6435.1	6405.8	6361.8	6332.5	6292.1	6262.8	6237.2
30°	6281.2	6244.6	6211.6	6163.9	6134.6	6109.0	6068.6	6042.9	6013.7	5980.6	5973.4
32.5°	5848.8	5819.4	5786.5	5753.5	5731.4	5716.8	5683.8	5669.1	5639.9	5621.5	5603.2
35°	5196.4	5170.8	5152.5	5137.9	5130.5	5134.1	5126.9	5141.5	5148.7	5145.1	5148.7
37.5°	4342.7	4327.9	4335.3	4346.3	4382.9	4430.6	4474.5	4540.4	4584.5	4628.5	4668.8
40°	3389.8	3400.8	3430.1	3496.0	3591.3	3697.7	3796.6	3921.2	4045.8	4133.7	4214.3
42.5°	2557.9	2591.0	2664.1	2759.5	2902.4	3059.9	3213.9	3397.0	3547.4	3693.9	3796.6
45°	1924.0	1967.8	2063.2	2195.2	2352.6	2535.9	2730.2	2935.3	3115.0	3265.2	3378.8
47.5°	1498.9	1539.2	1634.5	1773.7	1967.8	2158.5	2360.0	2572.6	2759.5	2906.1	3005.0
50°	1183.6	1234.9	1319.2	1465.9	1660.1	1861.7	2070.6	2279.3	2455.4	2580.0	2667.9
52.5°	930.8	978.5	1059.0	1213.0	1410.9	1612.5	1806.6	2011.9	2165.7	2286.7	2345.4
55°	721.9	766.0	850.1	978.5	1165.4	1363.3	1557.4	1733.4	1876.3	1964.2	2019.3
57.5°	549.7	582.7	641.4	769.6	938.2	1121.3	1286.4	1462.2	1572.2	1634.5	1671.0
60°	417.8	443.5	505.8	604.7	758.6	916.2	1055.4	1187.4	1275.3	1326.6	1363.3
62.5°	315.1	344.5	388.4	472.7	589.9	718.3	835.5	934.4	1007.8	1040.8	1066.4
65°	216.2	238.2	271.2	337.1	436.1	527.6	619.3	692.7	740.3	777.0	791.6
67.5°	161.2	175.9	194.3	245.6	315.1	388.4	450.7	502.0	553.4	568.1	593.7
70°	121.0	132.0	150.2	186.9	227.2	278.4	329.9	359.1	395.8	421.4	428.8
72.5°	76.9	80.5	99.0	121.0	153.9	186.9	219.9	245.6	267.6	282.2	289.5
75°	44.0	65.9	65.9	87.9	110.0	124.6	146.6	164.9	175.9	186.9	186.9
77.5°	29.3	40.3	44.0	54.9	65.9	84.3	102.6	113.6	124.6	128.2	128.2
80°	25.6	29.3	29.3	40.3	47.7	62.3	73.3	76.9	84.3	87.9	95.3
82.5°	11.0	14.6	18.3	29.3	33.0	33.0	44.0	47.7	54.9	58.7	58.7
85°	3.6	7.4	7.4	11.0	18.3	22.0	25.6	29.3	33.0	33.0	36.7
87.5°	3.6	3.6	0.0	3.6	7.4	7.4	14.6	14.6	14.6	22.0	22.0
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: P249071

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2	7505.2
2.5°	7439.2	7442.9	7428.2	7424.6	7417.2	7420.8	7428.2
5°	7303.6	7307.3	7292.6	7278.0	7278.0	7274.2	7278.0
7.5°	7175.3	7179.0	7157.0	7149.6	7135.0	7138.8	7138.8
10°	7047.1	7047.1	7014.2	7010.4	6999.4	6995.8	6995.8
12.5°	6922.5	6911.5	6885.8	6871.2	6878.6	6856.5	6856.5
15°	6812.5	6794.2	6761.2	6750.2	6732.0	6724.6	6724.6
17.5°	6698.9	6684.3	6655.0	6633.0	6611.0	6607.4	6611.0
20°	6589.0	6574.3	6537.7	6523.0	6504.8	6504.8	6497.4
22.5°	6479.0	6464.4	6431.5	6420.5	6394.8	6394.8	6398.4
25°	6365.4	6354.4	6317.7	6310.5	6306.9	6292.1	6299.5
27.5°	6211.6	6204.2	6174.9	6163.9	6149.3	6145.6	6152.9
30°	5929.3	5918.3	5896.5	5885.4	5859.8	5863.4	5870.7
32.5°	5577.6	5562.9	5533.5	5522.5	5500.7	5493.3	5496.9
35°	5137.9	5126.9	5101.2	5101.2	5079.2	5071.8	5079.2
37.5°	4690.8	4701.7	4690.8	4701.7	4690.8	4687.0	4690.8
40°	4269.4	4309.6	4316.9	4357.3	4342.7	4364.5	4360.9
42.5°	3866.2	3932.1	3957.9	3990.8	3983.5	3998.1	4009.2
45°	3459.3	3514.4	3540.0	3562.1	3565.7	3573.1	3576.7
47.5°	3074.6	3118.6	3122.2	3147.9	3144.2	3144.2	3155.3
50°	2715.6	2744.8	2752.1	2770.5	2755.8	2748.4	2752.1
52.5°	2382.1	2411.3	2403.9	2411.3	2393.1	2385.7	2389.3
55°	2041.2	2055.8	2055.8	2055.8	2033.9	2033.9	2033.9
57.5°	1693.0	1696.8	1689.4	1693.0	1689.4	1667.4	1663.8
60°	1374.3	1374.3	1370.5	1374.3	1363.3	1352.3	1352.3
62.5°	1073.7	1081.1	1095.7	1081.1	1073.7	1081.1	1070.1
65°	802.6	817.2	813.5	820.9	817.2	817.2	809.9
67.5°	604.7	608.3	612.0	615.7	615.7	615.7	615.7
70°	443.5	454.5	450.7	450.7	450.7	450.7	472.7
72.5°	296.9	311.5	307.9	315.1	315.1	322.5	315.1
75°	201.5	216.2	208.9	219.9	216.2	208.9	227.2
77.5°	135.6	143.0	146.6	150.2	146.6	143.0	146.6
80°	95.3	102.6	99.0	102.6	102.6	102.6	106.3
82.5°	58.7	69.7	65.9	69.7	65.9	69.7	69.7
85°	40.3	44.0	36.7	44.0	40.3	40.3	47.7
87.5°	25.6	22.0	22.0	25.6	22.0	25.6	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)