

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: P248909

Luminaire Tested: **LD8B175D010 ER8B175850 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248909  
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 ER8B175850 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14200.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

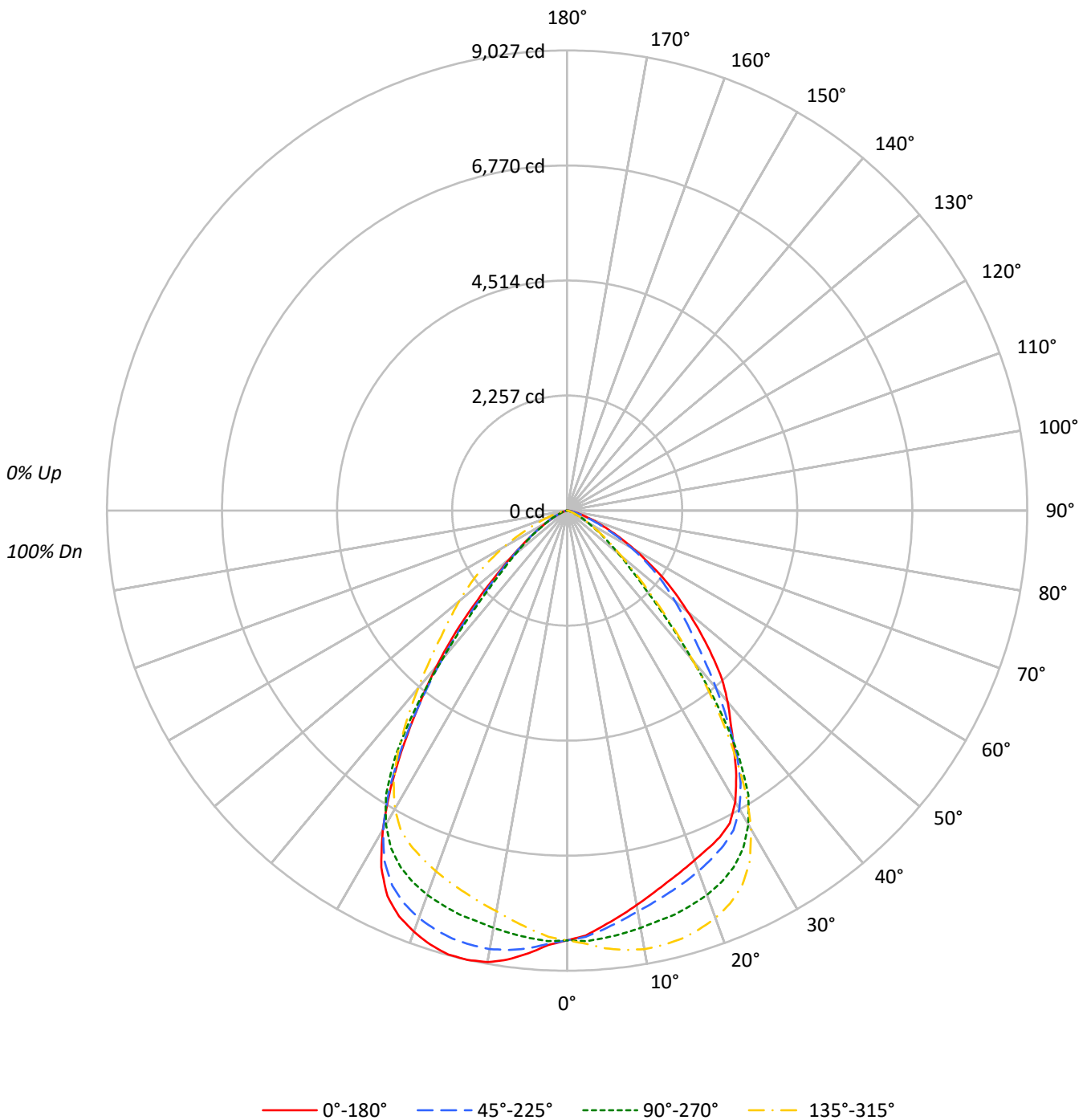
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	259953	259953	259953	259953
5°	253047	260562	269867	260562
10°	246047	260222	281617	260222
15°	241132	261768	287783	261768
20°	239489	263264	288522	263264
25°	240748	262734	283887	262734
30°	234798	253117	257668	253117
35°	214768	220806	209497	220806
40°	197180	153597	160396	153597
45°	175200	93703	108421	93703
50°	148293	62595	69513	62595
55°	122823	42713	45144	42713
60°	93675	28431	28684	28431
65°	66376	17716	16220	17716
70°	47875	11865	10765	11865
75°	30405	5898	4909	5898
80°	21203	4386	3640	4386
85°	18929	0	1451	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	802.4	5.7
10°-20°	2323.6	16.4
20°-30°	3518.4	24.8
30°-40°	3526.3	24.8
40°-50°	2214.3	15.6
50°-60°	1180.0	8.3
60°-70°	485.2	3.4
70°-80°	128.2	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°	6644.3	46.8
0°-40°	10170.6	71.6
0°-60°	13564.9	95.5
0°-90°	14200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14200.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	8430	8430	8430	8430	8430	
5°	8175	8418	8718	8418	8175	771
15°	7553	8200	9015	8200	7553	2136
25°	7076	7722	8344	7722	7076	3245
35°	5705	5866	5565	5866	5705	3574
45°	4018	2149	2486	2149	4018	3090
55°	2285	794	840	794	2285	2037
65°	910	243	222	243	910	944
75°	255	50	41	50	255	289
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°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8343.7	8335.4	8331.3	8339.6	8343.7	8360.1	8356.1	8364.2	8364.2	8368.4	8376.6
5°	8174.9	8170.7	8174.9	8174.9	8191.4	8207.8	8203.7	8216.1	8224.2	8244.9	8253.0
7.5°	8018.5	8018.5	8014.3	8030.7	8039.0	8063.8	8059.5	8080.2	8092.6	8113.1	8141.9
10°	7857.9	7857.9	7862.0	7874.4	7878.6	7915.5	7915.5	7944.3	7960.8	7981.4	8018.5
12.5°	7701.5	7701.5	7726.3	7718.0	7734.4	7763.2	7775.6	7804.4	7829.1	7870.3	7907.4
15°	7553.3	7553.3	7561.6	7582.1	7594.5	7631.6	7652.1	7685.1	7713.9	7755.1	7808.6
17.5°	7425.7	7421.7	7425.7	7450.5	7475.2	7508.1	7524.5	7565.7	7594.5	7648.0	7697.5
20°	7298.1	7306.4	7306.4	7326.9	7343.4	7384.5	7401.0	7446.4	7479.3	7528.6	7586.3
22.5°	7187.0	7182.9	7182.9	7211.7	7224.1	7261.0	7277.5	7318.6	7355.7	7396.9	7450.5
25°	7075.8	7067.5	7084.1	7088.2	7096.3	7137.5	7149.9	7178.7	7215.8	7252.9	7306.4
27.5°	6911.2	6903.0	6907.1	6923.5	6935.9	6968.8	6977.1	7005.9	7034.7	7067.5	7113.0
30°	6594.2	6586.0	6582.0	6610.8	6623.1	6647.7	6660.1	6709.5	6717.7	6754.8	6787.6
32.5°	6174.3	6170.3	6178.6	6203.1	6215.5	6248.5	6265.0	6293.8	6314.3	6334.9	6367.8
35°	5705.2	5696.9	5705.2	5729.9	5729.9	5758.7	5771.1	5783.3	5779.2	5783.3	5775.1
37.5°	5268.9	5264.7	5268.9	5281.1	5268.9	5281.1	5268.9	5244.2	5198.9	5149.4	5100.0
40°	4898.4	4902.4	4877.8	4894.3	4848.9	4840.7	4795.5	4733.7	4643.2	4544.4	4404.5
42.5°	4503.2	4490.9	4474.4	4482.6	4445.6	4416.7	4342.6	4264.5	4149.1	3984.6	3815.7
45°	4017.5	4013.4	4005.1	4001.1	3976.3	3947.5	3885.7	3795.2	3667.6	3498.9	3297.1
47.5°	3544.1	3531.7	3531.7	3535.8	3507.0	3502.9	3453.5	3375.4	3264.2	3099.5	2889.6
50°	3091.2	3087.2	3095.5	3111.9	3091.2	3083.1	3050.2	2996.7	2897.9	2758.0	2560.2
52.5°	2683.7	2679.7	2688.0	2708.5	2700.2	2708.5	2675.6	2634.4	2568.5	2432.7	2259.8
55°	2284.6	2284.6	2284.6	2309.1	2309.1	2309.1	2292.7	2268.1	2206.3	2107.5	1947.1
57.5°	1868.8	1872.9	1897.6	1901.7	1897.6	1905.9	1901.7	1876.9	1835.9	1766.0	1642.4
60°	1518.9	1518.9	1531.3	1543.7	1539.4	1543.7	1543.7	1531.3	1490.1	1432.5	1333.7
62.5°	1201.9	1214.3	1206.0	1214.3	1230.7	1214.3	1206.0	1197.9	1169.1	1132.0	1049.6
65°	909.7	918.0	918.0	922.0	913.7	918.0	901.5	889.2	872.7	831.6	778.0
67.5°	691.6	691.6	691.6	691.6	687.4	683.3	679.2	666.9	638.1	621.6	563.9
70°	531.0	506.3	506.3	506.3	506.3	510.5	498.1	481.7	473.4	444.6	403.4
72.5°	353.9	362.2	353.9	353.9	345.8	349.9	333.4	325.1	317.0	300.6	275.8
75°	255.2	234.7	242.8	247.0	234.7	242.8	226.4	209.9	209.9	197.6	185.2
77.5°	164.7	160.6	164.7	168.8	164.7	160.6	152.3	144.0	144.0	139.9	127.6
80°	119.4	115.2	115.2	115.2	111.1	115.2	107.1	107.1	98.8	94.7	86.4
82.5°	78.3	78.3	74.0	78.3	74.0	78.3	65.9	65.9	65.9	61.7	53.5
85°	53.5	45.2	45.2	49.5	41.2	49.5	45.2	41.2	37.1	37.1	32.9
87.5°	24.7	28.8	24.7	28.8	24.7	24.7	28.8	24.7	24.7	16.4	16.4
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8388.9	8393.0	8393.0	8409.6	8417.7	8421.8	8421.8	8454.8	8442.5	8450.8	8458.9
5°	8269.6	8294.2	8302.5	8302.5	8347.7	8364.2	8380.6	8417.7	8421.8	8446.5	8475.3
7.5°	8154.3	8183.1	8199.7	8236.6	8265.4	8294.2	8343.7	8368.4	8393.0	8426.0	8463.0
10°	8043.1	8076.2	8109.0	8137.8	8183.1	8220.2	8253.0	8310.6	8339.6	8384.9	8434.2
12.5°	7936.2	7981.4	8010.2	8059.5	8109.0	8141.9	8191.4	8244.9	8290.1	8335.4	8393.0
15°	7841.5	7895.0	7927.9	7981.4	8035.0	8080.2	8133.8	8199.7	8232.5	8286.1	8339.6
17.5°	7738.5	7796.3	7837.4	7886.7	7952.6	8001.9	8047.4	8113.1	8154.3	8211.9	8273.7
20°	7631.6	7689.2	7738.5	7788.0	7853.9	7903.2	7956.7	8022.6	8067.9	8125.5	8174.9
22.5°	7504.0	7557.5	7610.9	7668.5	7734.4	7775.6	7837.4	7895.0	7944.3	7997.9	8047.4
25°	7339.3	7405.2	7446.4	7499.8	7553.3	7598.5	7664.4	7722.0	7763.2	7812.7	7857.9
27.5°	7145.8	7195.3	7228.2	7273.4	7326.9	7368.1	7417.4	7475.2	7516.4	7561.6	7594.5
30°	6816.5	6861.9	6890.7	6923.5	6977.1	7014.2	7055.3	7108.7	7137.5	7170.6	7199.4
32.5°	6384.2	6421.3	6437.8	6462.5	6499.6	6536.6	6569.6	6614.8	6627.2	6647.7	6647.7
35°	5758.7	5766.8	5762.8	5771.1	5787.5	5808.0	5836.8	5865.6	5882.1	5882.1	5869.9
37.5°	5025.9	4976.6	4923.1	4881.9	4869.5	4861.2	4877.8	4890.0	4906.7	4914.8	4894.3
40°	4264.5	4153.4	4033.9	3926.8	3852.8	3819.9	3807.6	3815.7	3815.7	3844.5	3844.5
42.5°	3610.0	3437.0	3260.1	3099.5	2992.4	2910.3	2873.2	2873.2	2877.2	2897.9	2910.3
45°	3066.7	2848.4	2642.6	2465.7	2317.4	2210.4	2161.1	2148.7	2144.6	2152.8	2181.6
47.5°	2650.9	2424.5	2210.4	1992.3	1835.9	1728.8	1683.6	1667.0	1650.6	1667.0	1671.2
50°	2325.7	2091.1	1864.7	1646.5	1481.8	1387.1	1329.5	1304.8	1300.7	1300.7	1309.0
52.5°	2029.2	1811.2	1584.8	1362.5	1189.6	1099.1	1045.5	1033.2	1016.7	1033.2	1033.2
55°	1749.4	1531.3	1309.0	1099.1	954.9	860.4	810.9	794.5	786.1	798.5	798.5
57.5°	1444.9	1259.5	1053.8	864.4	720.4	654.5	617.4	596.9	592.7	601.0	592.7
60°	1185.5	1029.1	852.1	679.2	568.1	498.1	469.3	461.0	452.7	461.0	461.0
62.5°	938.5	806.8	662.6	531.0	436.3	387.0	353.9	353.9	349.9	349.9	353.9
65°	695.7	592.7	489.8	378.7	304.6	267.5	242.8	242.8	238.7	242.8	238.7
67.5°	506.3	436.3	353.9	275.8	218.2	197.6	181.1	168.8	177.1	168.8	164.7
70°	370.5	312.8	255.2	209.9	168.8	148.3	135.9	131.6	123.5	123.5	123.5
72.5°	247.0	209.9	172.8	135.9	111.1	90.5	86.4	78.3	70.0	74.0	82.3
75°	164.7	139.9	123.5	98.8	74.0	74.0	49.5	49.5	41.2	49.5	37.1
77.5°	115.2	94.7	74.0	61.7	49.5	45.2	32.9	32.9	28.8	28.8	28.8
80°	82.3	70.0	53.5	45.2	32.9	32.9	28.8	24.7	20.5	20.5	24.7
82.5°	49.5	37.1	37.1	32.9	20.5	16.4	12.4	16.4	8.3	8.3	8.3
85°	28.8	24.7	20.5	12.4	8.3	8.3	4.1	0.0	4.1	4.1	0.0
87.5°	16.4	8.3	8.3	4.1	0.0	4.1	4.1	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°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8479.6	8475.3	8483.6	8483.6	8508.4	8504.1	8516.5	8516.5	8508.4	8512.4	8528.9
5°	8508.4	8520.7	8545.3	8566.0	8602.9	8619.5	8640.0	8660.7	8664.7	8677.1	8689.5
7.5°	8508.4	8549.5	8578.3	8615.3	8664.7	8693.6	8738.8	8775.9	8792.3	8812.8	8837.6
10°	8491.8	8532.9	8586.5	8627.6	8689.5	8734.7	8780.0	8837.6	8862.3	8895.2	8928.2
12.5°	8458.9	8504.1	8561.7	8615.3	8685.2	8726.4	8784.0	8837.6	8874.7	8919.9	8957.0
15°	8409.6	8463.0	8516.5	8570.0	8644.1	8693.6	8747.1	8808.8	8845.9	8895.2	8928.2
17.5°	8331.3	8388.9	8438.4	8487.7	8557.7	8615.3	8664.7	8722.4	8759.5	8800.6	8845.9
20°	8236.6	8290.1	8343.7	8384.9	8454.8	8504.1	8557.7	8611.2	8640.0	8648.3	8718.3
22.5°	8117.3	8154.3	8195.4	8261.3	8302.5	8347.7	8397.2	8446.5	8475.3	8520.7	8545.3
25°	7919.6	7956.7	8001.9	8030.7	8080.2	8117.3	8166.6	8220.2	8236.6	8269.6	8294.2
27.5°	7643.9	7664.4	7685.1	7709.7	7738.5	7759.2	7788.0	7812.7	7829.1	7845.6	7862.0
30°	7207.5	7207.5	7207.5	7191.1	7203.4	7215.8	7219.9	7215.8	7215.8	7211.7	7211.7
32.5°	6631.3	6598.4	6561.3	6528.4	6516.1	6499.6	6491.3	6479.0	6458.4	6446.1	6450.1
35°	5853.3	5779.2	5734.0	5692.8	5659.9	5635.2	5622.8	5610.5	5606.4	5590.0	5573.4
37.5°	4881.9	4828.4	4795.5	4770.8	4742.0	4717.2	4721.3	4725.5	4737.7	4729.6	4733.7
40°	3852.8	3840.4	3852.8	3824.0	3815.7	3824.0	3844.5	3873.5	3889.9	3906.3	3935.1
42.5°	2930.8	2951.3	2980.2	2980.2	2992.4	3009.1	3033.6	3079.0	3103.6	3132.4	3165.4
45°	2206.3	2231.0	2268.1	2280.3	2288.6	2309.1	2338.1	2375.1	2391.5	2416.2	2445.0
47.5°	1700.0	1716.5	1737.0	1757.7	1778.2	1786.5	1815.3	1815.3	1835.9	1852.4	1860.5
50°	1325.4	1341.9	1358.3	1370.7	1379.0	1391.3	1399.5	1411.8	1415.9	1424.2	1428.3
52.5°	1037.2	1057.9	1057.9	1066.0	1078.4	1090.8	1086.7	1090.8	1094.8	1094.8	1107.2
55°	810.9	810.9	823.3	823.3	831.6	827.3	831.6	831.6	831.6	831.6	835.6
57.5°	605.0	609.3	621.6	613.3	609.3	617.4	609.3	617.4	613.3	621.6	609.3
60°	465.1	465.1	469.3	469.3	473.4	473.4	473.4	469.3	469.3	465.1	465.1
62.5°	349.9	353.9	358.2	353.9	353.9	353.9	349.9	349.9	345.8	341.6	341.6
65°	234.7	230.6	238.7	230.6	234.7	234.7	230.6	234.7	222.3	226.4	222.3
67.5°	168.8	164.7	160.6	164.7	160.6	156.4	156.4	160.6	164.7	152.3	152.3
70°	111.1	115.2	111.1	115.2	119.4	119.4	115.2	111.1	115.2	107.1	111.1
72.5°	70.0	70.0	70.0	70.0	70.0	74.0	74.0	74.0	65.9	65.9	61.7
75°	32.9	45.2	37.1	32.9	45.2	45.2	41.2	41.2	37.1	37.1	37.1
77.5°	32.9	24.7	24.7	24.7	24.7	24.7	24.7	24.7	20.5	24.7	20.5
80°	16.4	16.4	16.4	12.4	16.4	16.4	20.5	16.4	16.4	12.4	20.5
82.5°	8.3	8.3	8.3	0.0	4.1	8.3	8.3	4.1	8.3	8.3	4.1
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: P248909

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8524.8	8520.7	8524.8	8528.9	8524.8	8520.7	8524.8	8528.9	8512.4	8508.4	8516.5
5°	8705.9	8705.9	8714.1	8718.3	8714.1	8705.9	8705.9	8689.5	8677.1	8664.7	8660.7
7.5°	8862.3	8870.6	8878.7	8882.8	8878.7	8870.6	8862.3	8837.6	8812.8	8792.3	8775.9
10°	8957.0	8969.4	8985.8	8993.9	8985.8	8969.4	8957.0	8928.2	8895.2	8862.3	8837.6
12.5°	8998.2	9010.6	9031.1	9027.0	9031.1	9010.6	8998.2	8957.0	8919.9	8874.7	8837.6
15°	8969.4	8985.8	9006.3	9014.6	9006.3	8985.8	8969.4	8928.2	8895.2	8845.9	8808.8
17.5°	8878.7	8903.5	8915.8	8928.2	8915.8	8903.5	8878.7	8845.9	8800.6	8759.5	8722.4
20°	8755.2	8771.8	8788.3	8792.3	8788.3	8771.8	8755.2	8718.3	8648.3	8640.0	8611.2
22.5°	8578.3	8590.7	8627.6	8615.3	8627.6	8590.7	8578.3	8545.3	8520.7	8475.3	8446.5
25°	8323.0	8335.4	8339.6	8343.7	8339.6	8335.4	8323.0	8294.2	8269.6	8236.6	8220.2
27.5°	7882.7	7882.7	7890.8	7895.0	7890.8	7882.7	7882.7	7862.0	7845.6	7829.1	7812.7
30°	7215.8	7215.8	7215.8	7236.5	7215.8	7215.8	7215.8	7211.7	7211.7	7215.8	7215.8
32.5°	6446.1	6437.8	6429.6	6437.8	6429.6	6437.8	6446.1	6450.1	6446.1	6458.4	6479.0
35°	5573.4	5569.3	5581.7	5565.2	5581.7	5569.3	5573.4	5573.4	5590.0	5606.4	5610.5
37.5°	4737.7	4729.6	4746.0	4729.6	4746.0	4729.6	4737.7	4733.7	4729.6	4737.7	4725.5
40°	3943.5	3951.6	3951.6	3984.6	3951.6	3951.6	3943.5	3935.1	3906.3	3889.9	3873.5
42.5°	3181.9	3206.6	3198.3	3223.0	3198.3	3206.6	3181.9	3165.4	3132.4	3103.6	3079.0
45°	2461.5	2478.1	2478.1	2486.2	2478.1	2478.1	2461.5	2445.0	2416.2	2391.5	2375.1
47.5°	1889.3	1889.3	1889.3	1893.5	1889.3	1889.3	1889.3	1860.5	1852.4	1835.9	1815.3
50°	1436.6	1440.7	1444.9	1449.0	1444.9	1440.7	1436.6	1428.3	1424.2	1415.9	1411.8
52.5°	1103.1	1107.2	1099.1	1107.2	1099.1	1107.2	1103.1	1107.2	1094.8	1094.8	1090.8
55°	835.6	831.6	835.6	839.7	835.6	831.6	835.6	835.6	831.6	831.6	831.6
57.5°	613.3	605.0	605.0	605.0	605.0	605.0	613.3	609.3	621.6	613.3	617.4
60°	456.9	461.0	461.0	465.1	461.0	461.0	456.9	465.1	465.1	469.3	469.3
62.5°	337.5	349.9	341.6	349.9	341.6	349.9	337.5	341.6	341.6	345.8	349.9
65°	218.2	218.2	218.2	222.3	218.2	218.2	218.2	222.3	226.4	222.3	234.7
67.5°	148.3	152.3	160.6	156.4	160.6	152.3	148.3	152.3	152.3	164.7	160.6
70°	119.4	107.1	107.1	119.4	107.1	107.1	119.4	111.1	107.1	115.2	111.1
72.5°	70.0	61.7	70.0	70.0	70.0	61.7	70.0	61.7	65.9	65.9	74.0
75°	37.1	32.9	28.8	41.2	28.8	32.9	37.1	37.1	37.1	37.1	41.2
77.5°	24.7	20.5	28.8	28.8	28.8	20.5	24.7	20.5	24.7	20.5	24.7
80°	12.4	16.4	12.4	20.5	12.4	16.4	12.4	20.5	12.4	16.4	16.4
82.5°	4.1	8.3	8.3	8.3	8.3	8.3	4.1	4.1	8.3	8.3	4.1
85°	0.0	8.3	4.1	4.1	4.1	8.3	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	0.0	0.0	4.1	0.0	0.0	4.1	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: P248909

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8516.5	8504.1	8508.4	8483.6	8483.6	8475.3	8479.6	8458.9	8450.8	8442.5	8454.8
5°	8640.0	8619.5	8602.9	8566.0	8545.3	8520.7	8508.4	8475.3	8446.5	8421.8	8417.7
7.5°	8738.8	8693.6	8664.7	8615.3	8578.3	8549.5	8508.4	8463.0	8426.0	8393.0	8368.4
10°	8780.0	8734.7	8689.5	8627.6	8586.5	8532.9	8491.8	8434.2	8384.9	8339.6	8310.6
12.5°	8784.0	8726.4	8685.2	8615.3	8561.7	8504.1	8458.9	8393.0	8335.4	8290.1	8244.9
15°	8747.1	8693.6	8644.1	8570.0	8516.5	8463.0	8409.6	8339.6	8286.1	8232.5	8199.7
17.5°	8664.7	8615.3	8557.7	8487.7	8438.4	8388.9	8331.3	8273.7	8211.9	8154.3	8113.1
20°	8557.7	8504.1	8454.8	8384.9	8343.7	8290.1	8236.6	8174.9	8125.5	8067.9	8022.6
22.5°	8397.2	8347.7	8302.5	8261.3	8195.4	8154.3	8117.3	8047.4	7997.9	7944.3	7895.0
25°	8166.6	8117.3	8080.2	8030.7	8001.9	7956.7	7919.6	7857.9	7812.7	7763.2	7722.0
27.5°	7788.0	7759.2	7738.5	7709.7	7685.1	7664.4	7643.9	7594.5	7561.6	7516.4	7475.2
30°	7219.9	7215.8	7203.4	7191.1	7207.5	7207.5	7207.5	7199.4	7170.6	7137.5	7108.7
32.5°	6491.3	6499.6	6516.1	6528.4	6561.3	6598.4	6631.3	6647.7	6647.7	6627.2	6614.8
35°	5622.8	5635.2	5659.9	5692.8	5734.0	5779.2	5853.3	5869.9	5882.1	5882.1	5865.6
37.5°	4721.3	4717.2	4742.0	4770.8	4795.5	4828.4	4881.9	4894.3	4914.8	4906.7	4890.0
40°	3844.5	3824.0	3815.7	3824.0	3852.8	3840.4	3852.8	3844.5	3844.5	3815.7	3815.7
42.5°	3033.6	3009.1	2992.4	2980.2	2980.2	2951.3	2930.8	2910.3	2897.9	2877.2	2873.2
45°	2338.1	2309.1	2288.6	2280.3	2268.1	2231.0	2206.3	2181.6	2152.8	2144.6	2148.7
47.5°	1815.3	1786.5	1778.2	1757.7	1737.0	1716.5	1700.0	1671.2	1667.0	1650.6	1667.0
50°	1399.5	1391.3	1379.0	1370.7	1358.3	1341.9	1325.4	1309.0	1300.7	1300.7	1304.8
52.5°	1086.7	1090.8	1078.4	1066.0	1057.9	1057.9	1037.2	1033.2	1033.2	1016.7	1033.2
55°	831.6	827.3	831.6	823.3	823.3	810.9	810.9	798.5	798.5	786.1	794.5
57.5°	609.3	617.4	609.3	613.3	621.6	609.3	605.0	592.7	601.0	592.7	596.9
60°	473.4	473.4	473.4	469.3	469.3	465.1	465.1	461.0	461.0	452.7	461.0
62.5°	349.9	353.9	353.9	353.9	358.2	353.9	349.9	353.9	349.9	349.9	353.9
65°	230.6	234.7	234.7	230.6	238.7	230.6	234.7	238.7	242.8	238.7	242.8
67.5°	156.4	156.4	160.6	164.7	160.6	164.7	168.8	164.7	168.8	177.1	168.8
70°	115.2	119.4	119.4	115.2	111.1	115.2	111.1	123.5	123.5	123.5	131.6
72.5°	74.0	74.0	70.0	70.0	70.0	70.0	70.0	82.3	74.0	70.0	78.3
75°	41.2	45.2	45.2	32.9	37.1	45.2	32.9	37.1	49.5	41.2	49.5
77.5°	24.7	24.7	24.7	24.7	24.7	24.7	32.9	28.8	28.8	28.8	32.9
80°	20.5	16.4	16.4	12.4	16.4	16.4	16.4	24.7	20.5	20.5	24.7
82.5°	8.3	8.3	4.1	0.0	8.3	8.3	8.3	8.3	8.3	8.3	16.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	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: P248909

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8421.8	8421.8	8417.7	8409.6	8393.0	8393.0	8388.9	8376.6	8368.4	8364.2	8364.2
5°	8380.6	8364.2	8347.7	8302.5	8302.5	8294.2	8269.6	8253.0	8244.9	8224.2	8216.1
7.5°	8343.7	8294.2	8265.4	8236.6	8199.7	8183.1	8154.3	8141.9	8113.1	8092.6	8080.2
10°	8253.0	8220.2	8183.1	8137.8	8109.0	8076.2	8043.1	8018.5	7981.4	7960.8	7944.3
12.5°	8191.4	8141.9	8109.0	8059.5	8010.2	7981.4	7936.2	7907.4	7870.3	7829.1	7804.4
15°	8133.8	8080.2	8035.0	7981.4	7927.9	7895.0	7841.5	7808.6	7755.1	7713.9	7685.1
17.5°	8047.4	8001.9	7952.6	7886.7	7837.4	7796.3	7738.5	7697.5	7648.0	7594.5	7565.7
20°	7956.7	7903.2	7853.9	7788.0	7738.5	7689.2	7631.6	7586.3	7528.6	7479.3	7446.4
22.5°	7837.4	7775.6	7734.4	7668.5	7610.9	7557.5	7504.0	7450.5	7396.9	7355.7	7318.6
25°	7664.4	7598.5	7553.3	7499.8	7446.4	7405.2	7339.3	7306.4	7252.9	7215.8	7178.7
27.5°	7417.4	7368.1	7326.9	7273.4	7228.2	7195.3	7145.8	7113.0	7067.5	7034.7	7005.9
30°	7055.3	7014.2	6977.1	6923.5	6890.7	6861.9	6816.5	6787.6	6754.8	6717.7	6709.5
32.5°	6569.6	6536.6	6499.6	6462.5	6437.8	6421.3	6384.2	6367.8	6334.9	6314.3	6293.8
35°	5836.8	5808.0	5787.5	5771.1	5762.8	5766.8	5758.7	5775.1	5783.3	5779.2	5783.3
37.5°	4877.8	4861.2	4869.5	4881.9	4923.1	4976.6	5025.9	5100.0	5149.4	5198.9	5244.2
40°	3807.6	3819.9	3852.8	3926.8	4033.9	4153.4	4264.5	4404.5	4544.4	4643.2	4733.7
42.5°	2873.2	2910.3	2992.4	3099.5	3260.1	3437.0	3610.0	3815.7	3984.6	4149.1	4264.5
45°	2161.1	2210.4	2317.4	2465.7	2642.6	2848.4	3066.7	3297.1	3498.9	3667.6	3795.2
47.5°	1683.6	1728.8	1835.9	1992.3	2210.4	2424.5	2650.9	2889.6	3099.5	3264.2	3375.4
50°	1329.5	1387.1	1481.8	1646.5	1864.7	2091.1	2325.7	2560.2	2758.0	2897.9	2996.7
52.5°	1045.5	1099.1	1189.6	1362.5	1584.8	1811.2	2029.2	2259.8	2432.7	2568.5	2634.4
55°	810.9	860.4	954.9	1099.1	1309.0	1531.3	1749.4	1947.1	2107.5	2206.3	2268.1
57.5°	617.4	654.5	720.4	864.4	1053.8	1259.5	1444.9	1642.4	1766.0	1835.9	1876.9
60°	469.3	498.1	568.1	679.2	852.1	1029.1	1185.5	1333.7	1432.5	1490.1	1531.3
62.5°	353.9	387.0	436.3	531.0	662.6	806.8	938.5	1049.6	1132.0	1169.1	1197.9
65°	242.8	267.5	304.6	378.7	489.8	592.7	695.7	778.0	831.6	872.7	889.2
67.5°	181.1	197.6	218.2	275.8	353.9	436.3	506.3	563.9	621.6	638.1	666.9
70°	135.9	148.3	168.8	209.9	255.2	312.8	370.5	403.4	444.6	473.4	481.7
72.5°	86.4	90.5	111.1	135.9	172.8	209.9	247.0	275.8	300.6	317.0	325.1
75°	49.5	74.0	74.0	98.8	123.5	139.9	164.7	185.2	197.6	209.9	209.9
77.5°	32.9	45.2	49.5	61.7	74.0	94.7	115.2	127.6	139.9	144.0	144.0
80°	28.8	32.9	32.9	45.2	53.5	70.0	82.3	86.4	94.7	98.8	107.1
82.5°	12.4	16.4	20.5	32.9	37.1	37.1	49.5	53.5	61.7	65.9	65.9
85°	4.1	8.3	8.3	12.4	20.5	24.7	28.8	32.9	37.1	37.1	41.2
87.5°	4.1	4.1	0.0	4.1	8.3	8.3	16.4	16.4	16.4	24.7	24.7
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: P248909

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1	8430.1
2.5°	8356.1	8360.1	8343.7	8339.6	8331.3	8335.4	8343.7
5°	8203.7	8207.8	8191.4	8174.9	8174.9	8170.7	8174.9
7.5°	8059.5	8063.8	8039.0	8030.7	8014.3	8018.5	8018.5
10°	7915.5	7915.5	7878.6	7874.4	7862.0	7857.9	7857.9
12.5°	7775.6	7763.2	7734.4	7718.0	7726.3	7701.5	7701.5
15°	7652.1	7631.6	7594.5	7582.1	7561.6	7553.3	7553.3
17.5°	7524.5	7508.1	7475.2	7450.5	7425.7	7421.7	7425.7
20°	7401.0	7384.5	7343.4	7326.9	7306.4	7306.4	7298.1
22.5°	7277.5	7261.0	7224.1	7211.7	7182.9	7182.9	7187.0
25°	7149.9	7137.5	7096.3	7088.2	7084.1	7067.5	7075.8
27.5°	6977.1	6968.8	6935.9	6923.5	6907.1	6903.0	6911.2
30°	6660.1	6647.7	6623.1	6610.8	6582.0	6586.0	6594.2
32.5°	6265.0	6248.5	6215.5	6203.1	6178.6	6170.3	6174.3
35°	5771.1	5758.7	5729.9	5729.9	5705.2	5696.9	5705.2
37.5°	5268.9	5281.1	5268.9	5281.1	5268.9	5264.7	5268.9
40°	4795.5	4840.7	4848.9	4894.3	4877.8	4902.4	4898.4
42.5°	4342.6	4416.7	4445.6	4482.6	4474.4	4490.9	4503.2
45°	3885.7	3947.5	3976.3	4001.1	4005.1	4013.4	4017.5
47.5°	3453.5	3502.9	3507.0	3535.8	3531.7	3531.7	3544.1
50°	3050.2	3083.1	3091.2	3111.9	3095.5	3087.2	3091.2
52.5°	2675.6	2708.5	2700.2	2708.5	2688.0	2679.7	2683.7
55°	2292.7	2309.1	2309.1	2309.1	2284.6	2284.6	2284.6
57.5°	1901.7	1905.9	1897.6	1901.7	1897.6	1872.9	1868.8
60°	1543.7	1543.7	1539.4	1543.7	1531.3	1518.9	1518.9
62.5°	1206.0	1214.3	1230.7	1214.3	1206.0	1214.3	1201.9
65°	901.5	918.0	913.7	922.0	918.0	918.0	909.7
67.5°	679.2	683.3	687.4	691.6	691.6	691.6	691.6
70°	498.1	510.5	506.3	506.3	506.3	506.3	531.0
72.5°	333.4	349.9	345.8	353.9	353.9	362.2	353.9
75°	226.4	242.8	234.7	247.0	242.8	234.7	255.2
77.5°	152.3	160.6	164.7	168.8	164.7	160.6	164.7
80°	107.1	115.2	111.1	115.2	115.2	115.2	119.4
82.5°	65.9	78.3	74.0	78.3	74.0	78.3	78.3
85°	45.2	49.5	41.2	49.5	45.2	45.2	53.5
87.5°	28.8	24.7	24.7	28.8	24.7	28.8	24.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)