

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: P248864

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248864  
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 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12509.0 lumens  
Efficiency: N/A  
Efficacy: 70.6 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

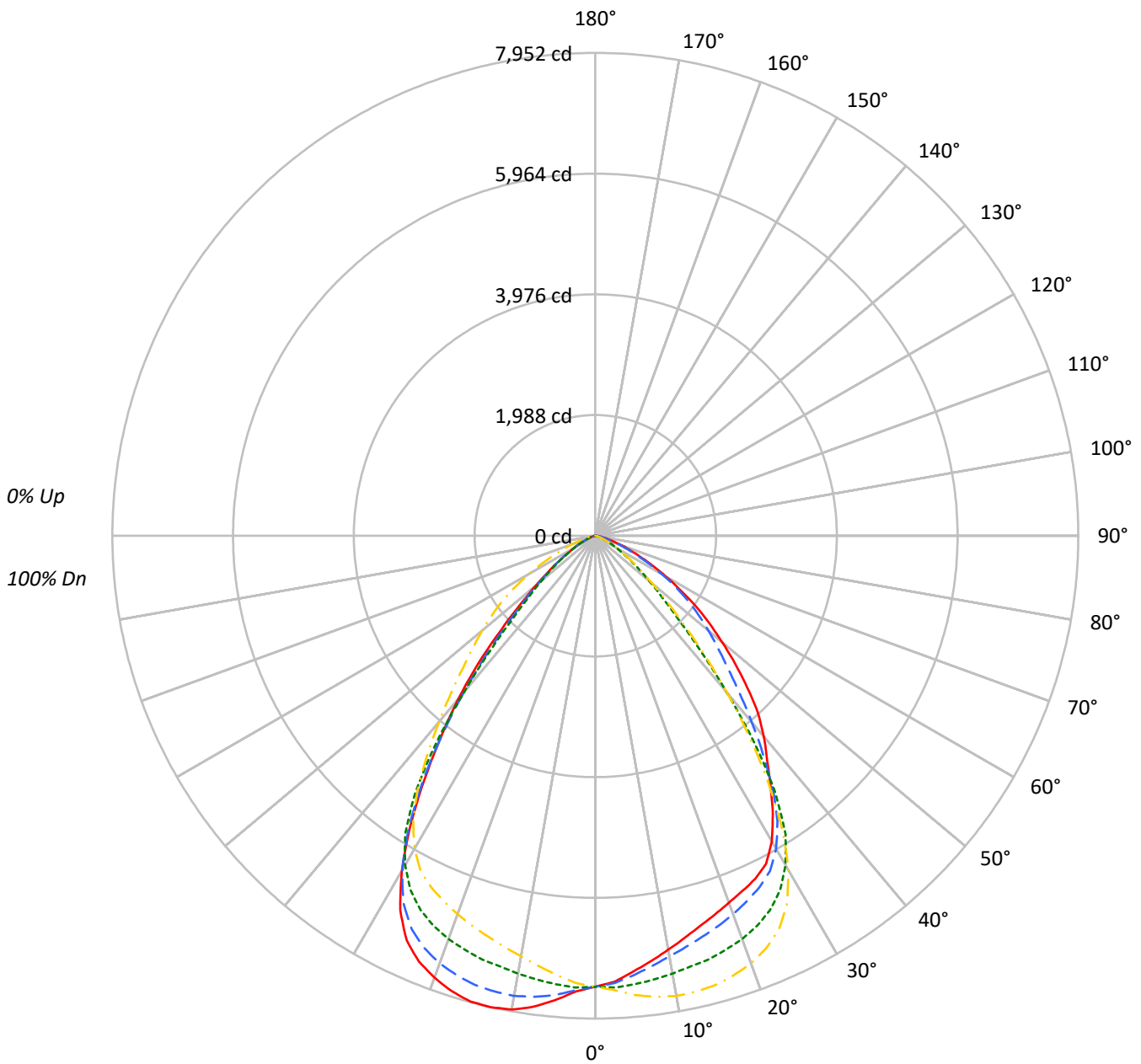
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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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°	706.8	5.7
10°-20°	2046.9	16.4
20°-30°	3099.4	24.8
30°-40°	3106.3	24.8
40°-50°	1950.6	15.6
50°-60°	1039.5	8.3
60°-70°	427.5	3.4
70°-80°	112.9	0.9
80°-90°	19.1	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°	5853.1	46.8
0°-40°	8959.4	71.6
0°-60°	11949.5	95.5
0°-90°	12509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7426	7426	7426	7426	7426	
5°	7201	7415	7680	7415	7201	679
15°	6654	7223	7941	7223	6654	1882
25°	6233	6802	7350	6802	6233	2859
35°	5026	5167	4902	5167	5026	3149
45°	3539	1893	2190	1893	3539	2722
55°	2012	700	740	700	2012	1794
65°	801	214	196	214	801	831
75°	225	44	36	44	225	255
85°	47	0	4	0	47	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°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7350.1	7342.8	7339.2	7346.5	7350.1	7364.6	7361.0	7368.1	7368.1	7371.9	7379.0
5°	7201.4	7197.7	7201.4	7201.4	7215.9	7230.4	7226.8	7237.7	7244.9	7263.1	7270.2
7.5°	7063.7	7063.7	7059.9	7074.4	7081.7	7103.5	7099.8	7118.0	7128.9	7146.9	7172.3
10°	6922.2	6922.2	6925.8	6936.6	6940.4	6972.9	6972.9	6998.3	7012.8	7031.0	7063.7
12.5°	6784.4	6784.4	6806.2	6798.9	6813.4	6838.7	6849.6	6875.0	6896.8	6933.1	6965.8
15°	6653.8	6653.8	6661.1	6679.2	6690.1	6722.8	6740.8	6769.9	6795.3	6831.6	6878.7
17.5°	6541.4	6537.8	6541.4	6563.2	6585.0	6614.0	6628.4	6664.7	6690.1	6737.2	6780.8
20°	6429.0	6436.4	6436.4	6454.4	6468.9	6505.2	6519.6	6559.6	6588.6	6632.0	6682.9
22.5°	6331.1	6327.6	6327.6	6352.9	6363.8	6396.4	6410.8	6447.1	6479.8	6516.1	6563.2
25°	6233.2	6225.9	6240.5	6244.1	6251.3	6287.6	6298.4	6323.8	6356.5	6389.2	6436.4
27.5°	6088.2	6081.0	6084.6	6099.0	6109.9	6138.9	6146.2	6171.6	6197.0	6225.9	6265.9
30°	5808.9	5801.7	5798.2	5823.5	5834.4	5856.1	5867.0	5910.5	5917.7	5950.4	5979.3
32.5°	5439.1	5435.5	5442.8	5464.4	5475.3	5504.4	5518.9	5544.3	5562.3	5580.5	5609.5
35°	5025.8	5018.5	5025.8	5047.6	5047.6	5072.9	5083.8	5094.6	5091.0	5094.6	5087.4
37.5°	4641.4	4637.7	4641.4	4652.2	4641.4	4652.2	4641.4	4619.7	4579.8	4536.2	4492.6
40°	4315.0	4318.6	4297.0	4311.5	4271.5	4264.3	4224.4	4170.0	4090.3	4003.2	3880.0
42.5°	3967.0	3956.1	3941.6	3948.8	3916.2	3890.7	3825.5	3756.7	3655.0	3510.1	3361.3
45°	3539.1	3535.5	3528.2	3524.6	3502.8	3477.4	3423.0	3343.3	3230.9	3082.2	2904.4
47.5°	3122.1	3111.2	3111.2	3114.7	3089.4	3085.8	3042.2	2973.4	2875.5	2730.4	2545.5
50°	2723.1	2719.5	2726.8	2741.3	2723.1	2715.9	2687.0	2639.8	2552.8	2429.5	2255.4
52.5°	2364.2	2360.6	2367.9	2385.9	2378.6	2385.9	2357.0	2320.7	2262.7	2143.0	1990.7
55°	2012.5	2012.5	2012.5	2034.2	2034.2	2034.2	2019.7	1998.0	1943.6	1856.5	1715.2
57.5°	1646.3	1649.8	1671.6	1675.2	1671.6	1678.9	1675.2	1653.4	1617.3	1555.7	1446.9
60°	1338.0	1338.0	1348.9	1359.8	1356.1	1359.8	1359.8	1348.9	1312.7	1261.9	1174.9
62.5°	1058.8	1069.7	1062.4	1069.7	1084.2	1069.7	1062.4	1055.2	1029.8	997.2	924.6
65°	801.3	808.6	808.6	812.2	804.9	808.6	794.2	783.3	768.8	732.5	685.4
67.5°	609.2	609.2	609.2	609.2	605.5	601.9	598.4	587.5	562.1	547.6	496.7
70°	467.8	446.0	446.0	446.0	446.0	449.7	438.8	424.3	417.0	391.6	355.4
72.5°	311.8	319.1	311.8	311.8	304.6	308.2	293.7	286.4	279.3	264.8	243.0
75°	224.8	206.7	213.9	217.6	206.7	213.9	199.4	184.9	184.9	174.0	163.1
77.5°	145.1	141.5	145.1	148.7	145.1	141.5	134.2	126.9	126.9	123.3	112.4
80°	105.2	101.5	101.5	101.5	97.9	101.5	94.3	94.3	87.0	83.4	76.1
82.5°	69.0	69.0	65.2	69.0	65.2	69.0	58.1	58.1	58.1	54.3	47.2
85°	47.2	39.9	39.9	43.6	36.3	43.6	39.9	36.3	32.7	32.7	29.0
87.5°	21.8	25.4	21.8	25.4	21.8	21.8	25.4	21.8	21.8	14.5	14.5
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°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7389.9	7393.5	7393.5	7408.1	7415.3	7418.9	7418.9	7448.0	7437.1	7444.4	7451.6
5°	7284.9	7306.5	7313.8	7313.8	7353.7	7368.1	7382.6	7415.3	7418.9	7440.7	7466.0
7.5°	7183.2	7208.6	7223.2	7255.8	7281.1	7306.5	7350.1	7371.9	7393.5	7422.6	7455.2
10°	7085.3	7114.4	7143.4	7168.7	7208.6	7241.3	7270.2	7321.0	7346.5	7386.3	7429.8
12.5°	6991.1	7031.0	7056.3	7099.8	7143.4	7172.3	7215.9	7263.1	7302.9	7342.8	7393.5
15°	6907.7	6954.9	6983.8	7031.0	7078.1	7118.0	7165.2	7223.2	7252.2	7299.3	7346.5
17.5°	6816.9	6867.8	6904.1	6947.5	7005.6	7049.0	7089.0	7146.9	7183.2	7234.0	7288.4
20°	6722.8	6773.5	6816.9	6860.5	6918.6	6962.0	7009.2	7067.2	7107.1	7157.8	7201.4
22.5°	6610.4	6657.5	6704.6	6755.3	6813.4	6849.6	6904.1	6954.9	6998.3	7045.5	7089.0
25°	6465.3	6523.4	6559.6	6606.7	6653.8	6693.7	6751.7	6802.5	6838.7	6882.3	6922.2
27.5°	6294.9	6338.4	6367.4	6407.3	6454.4	6490.7	6534.1	6585.0	6621.3	6661.1	6690.1
30°	6004.7	6044.7	6070.1	6099.0	6146.2	6178.9	6215.2	6262.2	6287.6	6316.7	6342.0
32.5°	5624.0	5656.7	5671.1	5692.9	5725.6	5758.2	5787.3	5827.1	5838.0	5856.1	5856.1
35°	5072.9	5080.1	5076.5	5083.8	5098.3	5116.4	5141.7	5167.1	5181.6	5181.6	5170.8
37.5°	4427.4	4384.0	4336.8	4300.6	4289.7	4282.3	4297.0	4307.7	4322.3	4329.5	4311.5
40°	3756.7	3658.8	3553.5	3459.2	3394.0	3365.0	3354.1	3361.3	3361.3	3386.7	3386.7
42.5°	3180.1	3027.7	2871.9	2730.4	2636.1	2563.7	2531.0	2531.0	2534.6	2552.8	2563.7
45°	2701.5	2509.2	2327.9	2172.1	2041.5	1947.1	1903.7	1892.8	1889.2	1896.4	1921.8
47.5°	2335.2	2135.8	1947.1	1755.1	1617.3	1523.0	1483.1	1468.5	1454.0	1468.5	1472.2
50°	2048.8	1842.1	1642.7	1450.4	1305.4	1221.9	1171.2	1149.4	1145.8	1145.8	1153.1
52.5°	1787.6	1595.5	1396.1	1200.3	1047.9	968.2	921.0	910.1	895.7	910.1	910.1
55°	1541.0	1348.9	1153.1	968.2	841.2	757.9	714.3	699.8	692.5	703.4	703.4
57.5°	1272.8	1109.5	928.3	761.5	634.6	576.6	543.9	525.8	522.1	529.4	522.1
60°	1044.3	906.6	750.6	598.4	500.4	438.8	413.4	406.1	398.8	406.1	406.1
62.5°	826.7	710.7	583.7	467.8	384.3	340.9	311.8	311.8	308.2	308.2	311.8
65°	612.8	522.1	431.5	333.6	268.4	235.7	213.9	213.9	210.3	213.9	210.3
67.5°	446.0	384.3	311.8	243.0	192.2	174.0	159.6	148.7	156.0	148.7	145.1
70°	326.4	275.5	224.8	184.9	148.7	130.6	119.7	116.0	108.8	108.8	108.8
72.5°	217.6	184.9	152.2	119.7	97.9	79.7	76.1	69.0	61.6	65.2	72.5
75°	145.1	123.3	108.8	87.0	65.2	65.2	43.6	43.6	36.3	43.6	32.7
77.5°	101.5	83.4	65.2	54.3	43.6	39.9	29.0	29.0	25.4	25.4	25.4
80°	72.5	61.6	47.2	39.9	29.0	29.0	25.4	21.8	18.1	18.1	21.8
82.5°	43.6	32.7	32.7	29.0	18.1	14.5	10.9	14.5	7.3	7.3	7.3
85°	25.4	21.8	18.1	10.9	7.3	7.3	3.6	0.0	3.6	3.6	0.0
87.5°	14.5	7.3	7.3	3.6	0.0	3.6	3.6	0.0	0.0	0.0	7.3
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°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7469.8	7466.0	7473.4	7473.4	7495.2	7491.4	7502.3	7502.3	7495.2	7498.7	7513.2
5°	7495.2	7506.0	7527.7	7545.9	7578.4	7593.1	7611.1	7629.3	7632.9	7643.8	7654.7
7.5°	7495.2	7531.4	7556.8	7589.3	7632.9	7658.3	7698.1	7730.8	7745.3	7763.4	7785.1
10°	7480.5	7516.8	7564.0	7600.2	7654.7	7694.6	7734.4	7785.1	7806.9	7835.9	7865.0
12.5°	7451.6	7491.4	7542.2	7589.3	7651.0	7687.2	7738.0	7785.1	7817.8	7857.7	7890.4
15°	7408.1	7455.2	7502.3	7549.5	7614.7	7658.3	7705.4	7759.8	7792.5	7835.9	7865.0
17.5°	7339.2	7389.9	7433.5	7476.9	7538.6	7589.3	7632.9	7683.7	7716.3	7752.6	7792.5
20°	7255.8	7302.9	7350.1	7386.3	7448.0	7491.4	7538.6	7585.7	7611.1	7618.4	7680.1
22.5°	7150.7	7183.2	7219.5	7277.5	7313.8	7353.7	7397.2	7440.7	7466.0	7506.0	7527.7
25°	6976.5	7009.2	7049.0	7074.4	7118.0	7150.7	7194.1	7241.3	7255.8	7284.9	7306.5
27.5°	6733.7	6751.7	6769.9	6791.6	6816.9	6835.2	6860.5	6882.3	6896.8	6911.3	6925.8
30°	6349.2	6349.2	6349.2	6334.7	6345.6	6356.5	6360.1	6356.5	6356.5	6352.9	6352.9
32.5°	5841.6	5812.6	5779.9	5751.0	5740.1	5725.6	5718.3	5707.4	5689.3	5678.5	5682.0
35°	5156.2	5091.0	5051.1	5014.9	4985.9	4964.1	4953.2	4942.3	4938.8	4924.3	4909.7
37.5°	4300.6	4253.4	4224.4	4202.6	4177.3	4155.5	4159.1	4162.8	4173.5	4166.4	4170.0
40°	3394.0	3383.1	3394.0	3368.6	3361.3	3368.6	3386.7	3412.2	3426.7	3441.2	3466.5
42.5°	2581.8	2599.8	2625.3	2625.3	2636.1	2650.7	2672.4	2712.4	2734.0	2759.4	2788.5
45°	1943.6	1965.4	1998.0	2008.8	2016.1	2034.2	2059.7	2092.2	2106.7	2128.5	2153.9
47.5°	1497.6	1512.1	1530.1	1548.3	1566.4	1573.7	1599.1	1599.1	1617.3	1631.8	1638.9
50°	1167.6	1182.1	1196.6	1207.5	1214.8	1225.7	1232.8	1243.7	1247.3	1254.6	1258.2
52.5°	913.7	931.9	931.9	939.1	950.0	960.9	957.3	960.9	964.5	964.5	975.4
55°	714.3	714.3	725.2	725.2	732.5	728.8	732.5	732.5	732.5	732.5	736.1
57.5°	533.0	536.7	547.6	540.3	536.7	543.9	536.7	543.9	540.3	547.6	536.7
60°	409.7	409.7	413.4	413.4	417.0	417.0	417.0	413.4	413.4	409.7	409.7
62.5°	308.2	311.8	315.5	311.8	311.8	311.8	308.2	308.2	304.6	300.9	300.9
65°	206.7	203.1	210.3	203.1	206.7	206.7	203.1	206.7	195.8	199.4	195.8
67.5°	148.7	145.1	141.5	145.1	141.5	137.8	137.8	141.5	145.1	134.2	134.2
70°	97.9	101.5	97.9	101.5	105.2	105.2	101.5	97.9	101.5	94.3	97.9
72.5°	61.6	61.6	61.6	61.6	61.6	65.2	65.2	65.2	58.1	58.1	54.3
75°	29.0	39.9	32.7	29.0	39.9	39.9	36.3	36.3	32.7	32.7	32.7
77.5°	29.0	21.8	21.8	21.8	21.8	21.8	21.8	21.8	18.1	21.8	18.1
80°	14.5	14.5	14.5	10.9	14.5	14.5	18.1	14.5	14.5	10.9	18.1
82.5°	7.3	7.3	7.3	0.0	3.6	7.3	7.3	3.6	7.3	7.3	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: P248864

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7509.6	7506.0	7509.6	7513.2	7509.6	7506.0	7509.6	7513.2	7498.7	7495.2	7502.3
5°	7669.2	7669.2	7676.3	7680.1	7676.3	7669.2	7669.2	7654.7	7643.8	7632.9	7629.3
7.5°	7806.9	7814.3	7821.4	7825.0	7821.4	7814.3	7806.9	7785.1	7763.4	7745.3	7730.8
10°	7890.4	7901.3	7915.7	7922.9	7915.7	7901.3	7890.4	7865.0	7835.9	7806.9	7785.1
12.5°	7926.6	7937.5	7955.6	7952.0	7955.6	7937.5	7926.6	7890.4	7857.7	7817.8	7785.1
15°	7901.3	7915.7	7933.8	7941.1	7933.8	7915.7	7901.3	7865.0	7835.9	7792.5	7759.8
17.5°	7821.4	7843.2	7854.1	7865.0	7854.1	7843.2	7821.4	7792.5	7752.6	7716.3	7683.7
20°	7712.6	7727.2	7741.7	7745.3	7741.7	7727.2	7712.6	7680.1	7618.4	7611.1	7585.7
22.5°	7556.8	7567.7	7600.2	7589.3	7600.2	7567.7	7556.8	7527.7	7506.0	7466.0	7440.7
25°	7331.9	7342.8	7346.5	7350.1	7346.5	7342.8	7331.9	7306.5	7284.9	7255.8	7241.3
27.5°	6944.0	6944.0	6951.1	6954.9	6951.1	6944.0	6944.0	6925.8	6911.3	6896.8	6882.3
30°	6356.5	6356.5	6356.5	6374.7	6356.5	6356.5	6356.5	6352.9	6352.9	6356.5	6356.5
32.5°	5678.5	5671.1	5664.0	5671.1	5664.0	5671.1	5678.5	5682.0	5678.5	5689.3	5707.4
35°	4909.7	4906.1	4917.0	4902.5	4917.0	4906.1	4909.7	4909.7	4924.3	4938.8	4942.3
37.5°	4173.5	4166.4	4180.9	4166.4	4180.9	4166.4	4173.5	4170.0	4166.4	4173.5	4162.8
40°	3473.8	3481.0	3481.0	3510.1	3481.0	3481.0	3473.8	3466.5	3441.2	3426.7	3412.2
42.5°	2803.0	2824.7	2817.4	2839.2	2817.4	2824.7	2803.0	2788.5	2759.4	2734.0	2712.4
45°	2168.3	2183.0	2183.0	2190.1	2183.0	2183.0	2168.3	2153.9	2128.5	2106.7	2092.2
47.5°	1664.3	1664.3	1664.3	1668.0	1664.3	1664.3	1664.3	1638.9	1631.8	1617.3	1599.1
50°	1265.5	1269.1	1272.8	1276.4	1272.8	1269.1	1265.5	1258.2	1254.6	1247.3	1243.7
52.5°	971.8	975.4	968.2	975.4	968.2	975.4	971.8	975.4	964.5	964.5	960.9
55°	736.1	732.5	736.1	739.7	736.1	732.5	736.1	736.1	732.5	732.5	732.5
57.5°	540.3	533.0	533.0	533.0	533.0	533.0	540.3	536.7	547.6	540.3	543.9
60°	402.5	406.1	406.1	409.7	406.1	406.1	402.5	409.7	409.7	413.4	413.4
62.5°	297.3	308.2	300.9	308.2	300.9	308.2	297.3	300.9	300.9	304.6	308.2
65°	192.2	192.2	192.2	195.8	192.2	192.2	192.2	195.8	199.4	195.8	206.7
67.5°	130.6	134.2	141.5	137.8	141.5	134.2	130.6	134.2	134.2	145.1	141.5
70°	105.2	94.3	94.3	105.2	94.3	94.3	105.2	97.9	94.3	101.5	97.9
72.5°	61.6	54.3	61.6	61.6	61.6	54.3	61.6	54.3	58.1	58.1	65.2
75°	32.7	29.0	25.4	36.3	25.4	29.0	32.7	32.7	32.7	32.7	36.3
77.5°	21.8	18.1	25.4	25.4	25.4	18.1	21.8	18.1	21.8	18.1	21.8
80°	10.9	14.5	10.9	18.1	10.9	14.5	10.9	18.1	10.9	14.5	14.5
82.5°	3.6	7.3	7.3	7.3	7.3	7.3	3.6	3.6	7.3	7.3	3.6
85°	0.0	7.3	3.6	3.6	3.6	7.3	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: P248864

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7502.3	7491.4	7495.2	7473.4	7473.4	7466.0	7469.8	7451.6	7444.4	7437.1	7448.0
5°	7611.1	7593.1	7578.4	7545.9	7527.7	7506.0	7495.2	7466.0	7440.7	7418.9	7415.3
7.5°	7698.1	7658.3	7632.9	7589.3	7556.8	7531.4	7495.2	7455.2	7422.6	7393.5	7371.9
10°	7734.4	7694.6	7654.7	7600.2	7564.0	7516.8	7480.5	7429.8	7386.3	7346.5	7321.0
12.5°	7738.0	7687.2	7651.0	7589.3	7542.2	7491.4	7451.6	7393.5	7342.8	7302.9	7263.1
15°	7705.4	7658.3	7614.7	7549.5	7502.3	7455.2	7408.1	7346.5	7299.3	7252.2	7223.2
17.5°	7632.9	7589.3	7538.6	7476.9	7433.5	7389.9	7339.2	7288.4	7234.0	7183.2	7146.9
20°	7538.6	7491.4	7448.0	7386.3	7350.1	7302.9	7255.8	7201.4	7157.8	7107.1	7067.2
22.5°	7397.2	7353.7	7313.8	7277.5	7219.5	7183.2	7150.7	7089.0	7045.5	6998.3	6954.9
25°	7194.1	7150.7	7118.0	7074.4	7049.0	7009.2	6976.5	6922.2	6882.3	6838.7	6802.5
27.5°	6860.5	6835.2	6816.9	6791.6	6769.9	6751.7	6733.7	6690.1	6661.1	6621.3	6585.0
30°	6360.1	6356.5	6345.6	6334.7	6349.2	6349.2	6349.2	6342.0	6316.7	6287.6	6262.2
32.5°	5718.3	5725.6	5740.1	5751.0	5779.9	5812.6	5841.6	5856.1	5856.1	5838.0	5827.1
35°	4953.2	4964.1	4985.9	5014.9	5051.1	5091.0	5156.2	5170.8	5181.6	5181.6	5167.1
37.5°	4159.1	4155.5	4177.3	4202.6	4224.4	4253.4	4300.6	4311.5	4329.5	4322.3	4307.7
40°	3386.7	3368.6	3361.3	3368.6	3394.0	3383.1	3394.0	3386.7	3386.7	3361.3	3361.3
42.5°	2672.4	2650.7	2636.1	2625.3	2625.3	2599.8	2581.8	2563.7	2552.8	2534.6	2531.0
45°	2059.7	2034.2	2016.1	2008.8	1998.0	1965.4	1943.6	1921.8	1896.4	1889.2	1892.8
47.5°	1599.1	1573.7	1566.4	1548.3	1530.1	1512.1	1497.6	1472.2	1468.5	1454.0	1468.5
50°	1232.8	1225.7	1214.8	1207.5	1196.6	1182.1	1167.6	1153.1	1145.8	1145.8	1149.4
52.5°	957.3	960.9	950.0	939.1	931.9	931.9	913.7	910.1	910.1	895.7	910.1
55°	732.5	728.8	732.5	725.2	725.2	714.3	714.3	703.4	703.4	692.5	699.8
57.5°	536.7	543.9	536.7	540.3	547.6	536.7	533.0	522.1	529.4	522.1	525.8
60°	417.0	417.0	417.0	413.4	413.4	409.7	409.7	406.1	406.1	398.8	406.1
62.5°	308.2	311.8	311.8	311.8	315.5	311.8	308.2	311.8	308.2	308.2	311.8
65°	203.1	206.7	206.7	203.1	210.3	203.1	206.7	210.3	213.9	210.3	213.9
67.5°	137.8	137.8	141.5	145.1	141.5	145.1	148.7	145.1	148.7	156.0	148.7
70°	101.5	105.2	105.2	101.5	97.9	101.5	97.9	108.8	108.8	108.8	116.0
72.5°	65.2	65.2	61.6	61.6	61.6	61.6	61.6	72.5	65.2	61.6	69.0
75°	36.3	39.9	39.9	29.0	32.7	39.9	29.0	32.7	43.6	36.3	43.6
77.5°	21.8	21.8	21.8	21.8	21.8	21.8	29.0	25.4	25.4	25.4	29.0
80°	18.1	14.5	14.5	10.9	14.5	14.5	14.5	21.8	18.1	18.1	21.8
82.5°	7.3	7.3	3.6	0.0	7.3	7.3	7.3	7.3	7.3	7.3	14.5
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	7.3	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: P248864

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7418.9	7418.9	7415.3	7408.1	7393.5	7393.5	7389.9	7379.0	7371.9	7368.1	7368.1
5°	7382.6	7368.1	7353.7	7313.8	7313.8	7306.5	7284.9	7270.2	7263.1	7244.9	7237.7
7.5°	7350.1	7306.5	7281.1	7255.8	7223.2	7208.6	7183.2	7172.3	7146.9	7128.9	7118.0
10°	7270.2	7241.3	7208.6	7168.7	7143.4	7114.4	7085.3	7063.7	7031.0	7012.8	6998.3
12.5°	7215.9	7172.3	7143.4	7099.8	7056.3	7031.0	6991.1	6965.8	6933.1	6896.8	6875.0
15°	7165.2	7118.0	7078.1	7031.0	6983.8	6954.9	6907.7	6878.7	6831.6	6795.3	6769.9
17.5°	7089.0	7049.0	7005.6	6947.5	6904.1	6867.8	6816.9	6780.8	6737.2	6690.1	6664.7
20°	7009.2	6962.0	6918.6	6860.5	6816.9	6773.5	6722.8	6682.9	6632.0	6588.6	6559.6
22.5°	6904.1	6849.6	6813.4	6755.3	6704.6	6657.5	6610.4	6563.2	6516.1	6479.8	6447.1
25°	6751.7	6693.7	6653.8	6606.7	6559.6	6523.4	6465.3	6436.4	6389.2	6356.5	6323.8
27.5°	6534.1	6490.7	6454.4	6407.3	6367.4	6338.4	6294.9	6265.9	6225.9	6197.0	6171.6
30°	6215.2	6178.9	6146.2	6099.0	6070.1	6044.7	6004.7	5979.3	5950.4	5917.7	5910.5
32.5°	5787.3	5758.2	5725.6	5692.9	5671.1	5656.7	5624.0	5609.5	5580.5	5562.3	5544.3
35°	5141.7	5116.4	5098.3	5083.8	5076.5	5080.1	5072.9	5087.4	5094.6	5091.0	5094.6
37.5°	4297.0	4282.3	4289.7	4300.6	4336.8	4384.0	4427.4	4492.6	4536.2	4579.8	4619.7
40°	3354.1	3365.0	3394.0	3459.2	3553.5	3658.8	3756.7	3880.0	4003.2	4090.3	4170.0
42.5°	2531.0	2563.7	2636.1	2730.4	2871.9	3027.7	3180.1	3361.3	3510.1	3655.0	3756.7
45°	1903.7	1947.1	2041.5	2172.1	2327.9	2509.2	2701.5	2904.4	3082.2	3230.9	3343.3
47.5°	1483.1	1523.0	1617.3	1755.1	1947.1	2135.8	2335.2	2545.5	2730.4	2875.5	2973.4
50°	1171.2	1221.9	1305.4	1450.4	1642.7	1842.1	2048.8	2255.4	2429.5	2552.8	2639.8
52.5°	921.0	968.2	1047.9	1200.3	1396.1	1595.5	1787.6	1990.7	2143.0	2262.7	2320.7
55°	714.3	757.9	841.2	968.2	1153.1	1348.9	1541.0	1715.2	1856.5	1943.6	1998.0
57.5°	543.9	576.6	634.6	761.5	928.3	1109.5	1272.8	1446.9	1555.7	1617.3	1653.4
60°	413.4	438.8	500.4	598.4	750.6	906.6	1044.3	1174.9	1261.9	1312.7	1348.9
62.5°	311.8	340.9	384.3	467.8	583.7	710.7	826.7	924.6	997.2	1029.8	1055.2
65°	213.9	235.7	268.4	333.6	431.5	522.1	612.8	685.4	732.5	768.8	783.3
67.5°	159.6	174.0	192.2	243.0	311.8	384.3	446.0	496.7	547.6	562.1	587.5
70°	119.7	130.6	148.7	184.9	224.8	275.5	326.4	355.4	391.6	417.0	424.3
72.5°	76.1	79.7	97.9	119.7	152.2	184.9	217.6	243.0	264.8	279.3	286.4
75°	43.6	65.2	65.2	87.0	108.8	123.3	145.1	163.1	174.0	184.9	184.9
77.5°	29.0	39.9	43.6	54.3	65.2	83.4	101.5	112.4	123.3	126.9	126.9
80°	25.4	29.0	29.0	39.9	47.2	61.6	72.5	76.1	83.4	87.0	94.3
82.5°	10.9	14.5	18.1	29.0	32.7	32.7	43.6	47.2	54.3	58.1	58.1
85°	3.6	7.3	7.3	10.9	18.1	21.8	25.4	29.0	32.7	32.7	36.3
87.5°	3.6	3.6	0.0	3.6	7.3	7.3	14.5	14.5	14.5	21.8	21.8
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: P248864

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2	7426.2
2.5°	7361.0	7364.6	7350.1	7346.5	7339.2	7342.8	7350.1
5°	7226.8	7230.4	7215.9	7201.4	7201.4	7197.7	7201.4
7.5°	7099.8	7103.5	7081.7	7074.4	7059.9	7063.7	7063.7
10°	6972.9	6972.9	6940.4	6936.6	6925.8	6922.2	6922.2
12.5°	6849.6	6838.7	6813.4	6798.9	6806.2	6784.4	6784.4
15°	6740.8	6722.8	6690.1	6679.2	6661.1	6653.8	6653.8
17.5°	6628.4	6614.0	6585.0	6563.2	6541.4	6537.8	6541.4
20°	6519.6	6505.2	6468.9	6454.4	6436.4	6436.4	6429.0
22.5°	6410.8	6396.4	6363.8	6352.9	6327.6	6327.6	6331.1
25°	6298.4	6287.6	6251.3	6244.1	6240.5	6225.9	6233.2
27.5°	6146.2	6138.9	6109.9	6099.0	6084.6	6081.0	6088.2
30°	5867.0	5856.1	5834.4	5823.5	5798.2	5801.7	5808.9
32.5°	5518.9	5504.4	5475.3	5464.4	5442.8	5435.5	5439.1
35°	5083.8	5072.9	5047.6	5047.6	5025.8	5018.5	5025.8
37.5°	4641.4	4652.2	4641.4	4652.2	4641.4	4637.7	4641.4
40°	4224.4	4264.3	4271.5	4311.5	4297.0	4318.6	4315.0
42.5°	3825.5	3890.7	3916.2	3948.8	3941.6	3956.1	3967.0
45°	3423.0	3477.4	3502.8	3524.6	3528.2	3535.5	3539.1
47.5°	3042.2	3085.8	3089.4	3114.7	3111.2	3111.2	3122.1
50°	2687.0	2715.9	2723.1	2741.3	2726.8	2719.5	2723.1
52.5°	2357.0	2385.9	2378.6	2385.9	2367.9	2360.6	2364.2
55°	2019.7	2034.2	2034.2	2034.2	2012.5	2012.5	2012.5
57.5°	1675.2	1678.9	1671.6	1675.2	1671.6	1649.8	1646.3
60°	1359.8	1359.8	1356.1	1359.8	1348.9	1338.0	1338.0
62.5°	1062.4	1069.7	1084.2	1069.7	1062.4	1069.7	1058.8
65°	794.2	808.6	804.9	812.2	808.6	808.6	801.3
67.5°	598.4	601.9	605.5	609.2	609.2	609.2	609.2
70°	438.8	449.7	446.0	446.0	446.0	446.0	467.8
72.5°	293.7	308.2	304.6	311.8	311.8	319.1	311.8
75°	199.4	213.9	206.7	217.6	213.9	206.7	224.8
77.5°	134.2	141.5	145.1	148.7	145.1	141.5	145.1
80°	94.3	101.5	97.9	101.5	101.5	101.5	105.2
82.5°	58.1	69.0	65.2	69.0	65.2	69.0	69.0
85°	39.9	43.6	36.3	43.6	39.9	39.9	47.2
87.5°	25.4	21.8	21.8	25.4	21.8	25.4	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)