

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: P248873

Luminaire Tested: **LD8B175D010 ER8B175827 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248873  
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 ER8B175827 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13152.0 lumens  
Efficiency: N/A  
Efficacy: 74.2 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

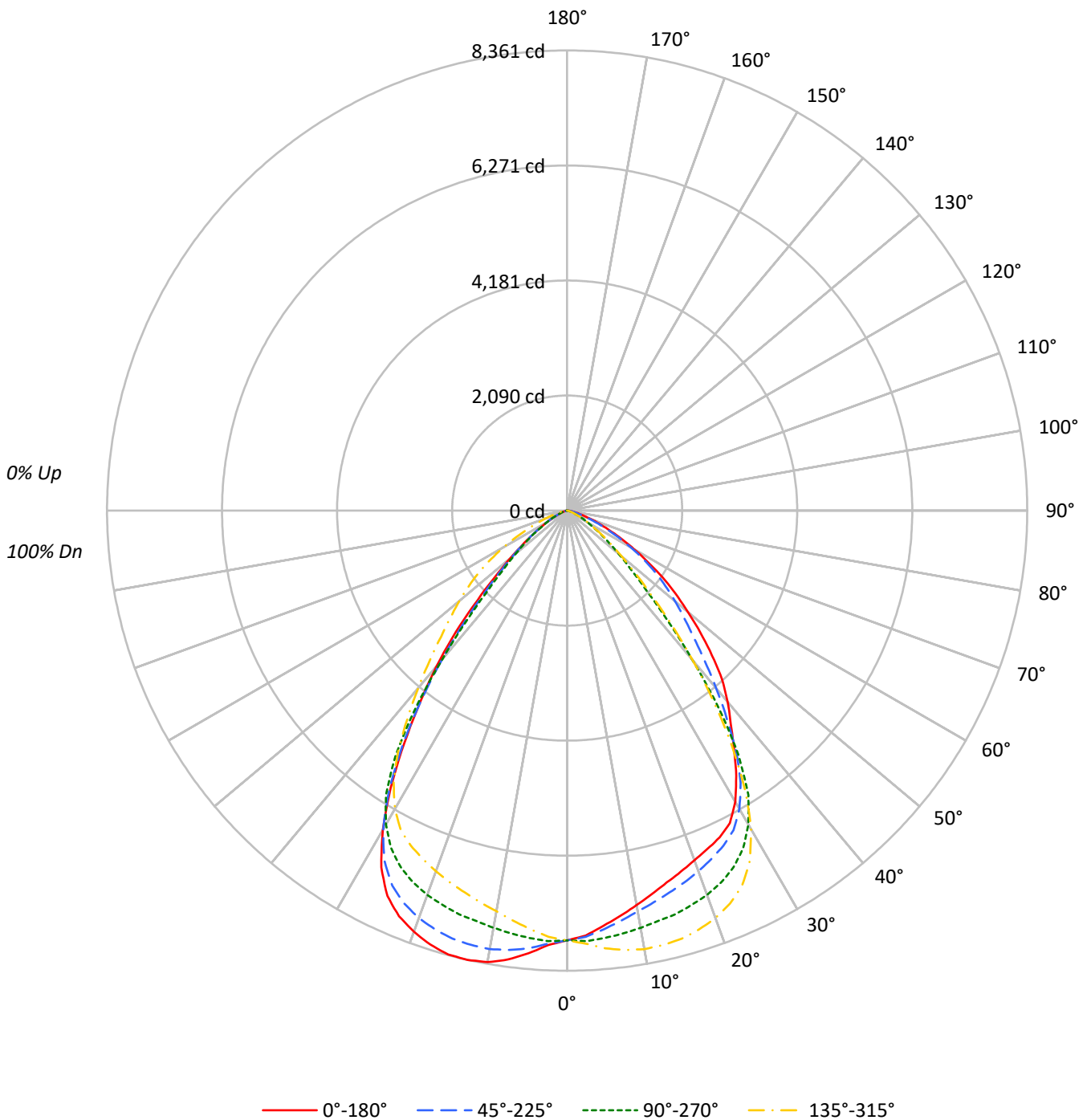
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

### Luminous Intensity Polar Plot





TEST NUMBER: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**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°	240767	240767	240767	240767
5°	234372	241334	249951	241334
10°	227889	241018	260835	241018
15°	223335	242448	266544	242448
20°	221815	243834	267228	243834
25°	222980	243344	262935	243344
30°	217468	234438	238650	234438
35°	198916	204510	194037	204510
40°	182624	142261	148557	142261
45°	162270	86787	100419	86787
50°	137351	57975	64379	57975
55°	113759	39558	41810	39558
60°	86761	26334	26569	26334
65°	61473	16410	15023	16410
70°	44340	10990	9972	10990
75°	28153	5457	4539	5457
80°	19640	4067	3374	4067
85°	17549	0	1344	0



TEST NUMBER: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	743.2	5.7
10°-20°	2152.1	16.4
20°-30°	3258.7	24.8
30°-40°	3266.0	24.8
40°-50°	2050.9	15.6
50°-60°	1092.9	8.3
60°-70°	449.4	3.4
70°-80°	118.7	0.9
80°-90°	20.1	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°	6153.9	46.8
0°-40°	9419.9	71.6
0°-60°	12563.8	95.5
0°-90°	13152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13152.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	7808	7808	7808	7808	7808	
5°	7572	7796	8075	7796	7572	714
15°	6996	7594	8349	7594	6996	1979
25°	6554	7152	7728	7152	6554	3006
35°	5284	5433	5154	5433	5284	3310
45°	3721	1990	2303	1990	3721	2862
55°	2116	736	778	736	2116	1887
65°	842	225	206	225	842	874
75°	236	46	38	46	236	268
85°	50	0	4	0	50	54
90°	0	0	0	0	0	



TEST NUMBER: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7727.9	7720.2	7716.4	7724.1	7727.9	7743.1	7739.3	7746.9	7746.9	7750.8	7758.3
5°	7571.6	7567.7	7571.6	7571.6	7586.8	7602.0	7598.3	7609.7	7617.3	7636.4	7643.9
7.5°	7426.8	7426.8	7422.8	7438.1	7445.7	7468.7	7464.7	7483.9	7495.3	7514.3	7541.0
10°	7278.0	7278.0	7281.8	7293.2	7297.1	7331.3	7331.3	7358.0	7373.2	7392.4	7426.8
12.5°	7133.2	7133.2	7156.1	7148.4	7163.6	7190.3	7201.7	7228.4	7251.3	7289.4	7323.8
15°	6995.8	6995.8	7003.5	7022.5	7034.0	7068.3	7087.3	7117.9	7144.6	7182.7	7232.3
17.5°	6877.7	6873.9	6877.7	6900.6	6923.5	6953.9	6969.2	7007.3	7034.0	7083.6	7129.4
20°	6759.5	6767.2	6767.2	6786.2	6801.4	6839.5	6854.8	6896.8	6927.3	6972.9	7026.4
22.5°	6656.6	6652.8	6652.8	6679.5	6690.9	6725.1	6740.4	6778.5	6812.9	6851.0	6900.6
25°	6553.6	6545.9	6561.3	6565.1	6572.6	6610.8	6622.2	6648.9	6683.2	6717.6	6767.2
27.5°	6401.1	6393.6	6397.3	6412.6	6424.0	6454.5	6462.1	6488.8	6515.5	6545.9	6588.0
30°	6107.5	6100.0	6096.2	6122.9	6134.3	6157.1	6168.5	6214.4	6221.9	6256.3	6286.7
32.5°	5718.6	5714.9	5722.6	5745.3	5756.8	5787.4	5802.6	5829.3	5848.3	5867.4	5897.8
35°	5284.1	5276.4	5284.1	5307.0	5307.0	5333.7	5345.2	5356.5	5352.7	5356.5	5348.9
37.5°	4880.0	4876.1	4880.0	4891.3	4880.0	4891.3	4880.0	4857.1	4815.2	4769.4	4723.6
40°	4536.8	4540.6	4517.9	4533.1	4491.0	4483.5	4441.6	4384.3	4300.5	4209.0	4079.4
42.5°	4170.9	4159.4	4144.2	4151.7	4117.5	4090.7	4022.1	3949.8	3842.9	3690.5	3534.1
45°	3721.0	3717.2	3709.5	3705.8	3682.9	3656.2	3598.9	3515.1	3396.9	3240.6	3053.7
47.5°	3282.5	3271.1	3271.1	3274.9	3248.2	3244.4	3198.6	3126.2	3023.3	2870.8	2676.3
50°	2863.1	2859.3	2867.0	2882.2	2863.1	2855.6	2825.1	2775.5	2684.0	2554.4	2371.3
52.5°	2485.7	2481.9	2489.6	2508.6	2500.9	2508.6	2478.1	2440.0	2379.0	2253.1	2093.1
55°	2116.0	2116.0	2116.0	2138.7	2138.7	2138.7	2123.5	2100.7	2043.5	1952.0	1803.4
57.5°	1730.9	1734.6	1757.6	1761.3	1757.6	1765.2	1761.3	1738.4	1700.4	1635.6	1521.2
60°	1406.8	1406.8	1418.3	1429.7	1425.8	1429.7	1429.7	1418.3	1380.1	1326.8	1235.3
62.5°	1113.2	1124.7	1117.0	1124.7	1139.9	1124.7	1117.0	1109.5	1082.8	1048.4	972.1
65°	842.5	850.2	850.2	854.0	846.3	850.2	835.0	823.5	808.3	770.2	720.6
67.5°	640.6	640.6	640.6	640.6	636.6	632.9	629.1	617.7	591.0	575.8	522.2
70°	491.8	468.9	468.9	468.9	468.9	472.8	461.4	446.1	438.4	411.8	373.6
72.5°	327.8	335.5	327.8	327.8	320.3	324.0	308.8	301.1	293.6	278.4	255.5
75°	236.3	217.3	224.9	228.8	217.3	224.9	209.7	194.4	194.4	183.0	171.5
77.5°	152.5	148.8	152.5	156.3	152.5	148.8	141.1	133.4	133.4	129.6	118.2
80°	110.6	106.7	106.7	106.7	102.9	106.7	99.2	99.2	91.5	87.7	80.0
82.5°	72.5	72.5	68.6	72.5	68.6	72.5	61.0	61.0	61.0	57.1	49.6
85°	49.6	41.9	41.9	45.8	38.1	45.8	41.9	38.1	34.4	34.4	30.4
87.5°	22.9	26.7	22.9	26.7	22.9	22.9	26.7	22.9	22.9	15.2	15.2
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: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7769.8	7773.6	7773.6	7788.9	7796.5	7800.2	7800.2	7830.8	7819.4	7827.1	7834.6
5°	7659.3	7682.1	7689.8	7689.8	7731.7	7746.9	7762.1	7796.5	7800.2	7823.1	7849.8
7.5°	7552.5	7579.1	7594.5	7628.7	7655.4	7682.1	7727.9	7750.8	7773.6	7804.2	7838.4
10°	7449.5	7480.1	7510.6	7537.2	7579.1	7613.5	7643.9	7697.3	7724.1	7766.0	7811.7
12.5°	7350.5	7392.4	7419.1	7464.7	7510.6	7541.0	7586.8	7636.4	7678.3	7720.2	7773.6
15°	7262.8	7312.4	7342.8	7392.4	7442.0	7483.9	7533.5	7594.5	7625.0	7674.5	7724.1
17.5°	7167.4	7220.9	7259.0	7304.7	7365.7	7411.4	7453.4	7514.3	7552.5	7605.8	7663.1
20°	7068.3	7121.7	7167.4	7213.2	7274.2	7319.9	7369.5	7430.5	7472.4	7525.8	7571.6
22.5°	6950.2	6999.8	7049.2	7102.6	7163.6	7201.7	7259.0	7312.4	7358.0	7407.6	7453.4
25°	6797.6	6858.7	6896.8	6946.3	6995.8	7037.7	7098.8	7152.1	7190.3	7236.1	7278.0
27.5°	6618.4	6664.3	6694.7	6736.6	6786.2	6824.3	6870.0	6923.5	6961.6	7003.5	7034.0
30°	6313.4	6355.4	6382.1	6412.6	6462.1	6496.5	6534.6	6584.1	6610.8	6641.4	6668.0
32.5°	5913.1	5947.4	5962.7	5985.6	6019.9	6054.1	6084.7	6126.6	6138.1	6157.1	6157.1
35°	5333.7	5341.2	5337.5	5345.2	5360.4	5379.4	5406.0	5432.7	5447.9	5447.9	5436.6
37.5°	4655.0	4609.3	4559.7	4521.6	4510.2	4502.5	4517.9	4529.1	4544.5	4552.1	4533.1
40°	3949.8	3846.8	3736.2	3637.0	3568.5	3538.0	3526.6	3534.1	3534.1	3560.8	3560.8
42.5°	3343.6	3183.4	3019.5	2870.8	2771.6	2695.5	2661.1	2661.1	2664.9	2684.0	2695.5
45°	2840.3	2638.2	2447.5	2283.7	2146.4	2047.2	2001.6	1990.1	1986.3	1993.9	2020.6
47.5°	2455.2	2245.6	2047.2	1845.3	1700.4	1601.3	1559.4	1544.0	1528.8	1544.0	1547.9
50°	2154.1	1936.8	1727.1	1525.0	1372.5	1284.7	1231.4	1208.5	1204.7	1204.7	1212.4
52.5°	1879.5	1677.5	1467.9	1262.0	1101.8	1018.0	968.4	956.9	941.7	956.9	956.9
55°	1620.2	1418.3	1212.4	1018.0	884.4	796.9	751.0	735.8	728.1	739.6	739.6
57.5°	1338.3	1166.6	976.1	800.6	667.2	606.2	571.8	552.8	548.9	556.6	548.9
60°	1098.0	953.2	789.2	629.1	526.2	461.4	434.7	427.0	419.3	427.0	427.0
62.5°	869.2	747.3	613.7	491.8	404.1	358.4	327.8	327.8	324.0	324.0	327.8
65°	644.3	548.9	453.7	350.7	282.1	247.8	224.9	224.9	221.1	224.9	221.1
67.5°	468.9	404.1	327.8	255.5	202.1	183.0	167.8	156.3	164.0	156.3	152.5
70°	343.2	289.7	236.3	194.4	156.3	137.3	125.9	121.9	114.4	114.4	114.4
72.5°	228.8	194.4	160.1	125.9	102.9	83.8	80.0	72.5	64.8	68.6	76.3
75°	152.5	129.6	114.4	91.5	68.6	68.6	45.8	45.8	38.1	45.8	34.4
77.5°	106.7	87.7	68.6	57.1	45.8	41.9	30.4	30.4	26.7	26.7	26.7
80°	76.3	64.8	49.6	41.9	30.4	30.4	26.7	22.9	19.0	19.0	22.9
82.5°	45.8	34.4	34.4	30.4	19.0	15.2	11.5	15.2	7.7	7.7	7.7
85°	26.7	22.9	19.0	11.5	7.7	7.7	3.8	0.0	3.8	3.8	0.0
87.5°	15.2	7.7	7.7	3.8	0.0	3.8	3.8	0.0	0.0	0.0	7.7
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: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7853.7	7849.8	7857.5	7857.5	7880.4	7876.5	7888.0	7888.0	7880.4	7884.2	7899.4
5°	7880.4	7891.9	7914.6	7933.8	7968.0	7983.4	8002.4	8021.5	8025.3	8036.7	8048.2
7.5°	7880.4	7918.6	7945.2	7979.4	8025.3	8051.9	8093.8	8128.2	8143.4	8162.4	8185.3
10°	7865.0	7903.2	7952.8	7990.9	8048.2	8090.1	8132.0	8185.3	8208.2	8238.7	8269.3
12.5°	7834.6	7876.5	7929.9	7979.4	8044.3	8082.4	8135.7	8185.3	8219.7	8261.6	8296.0
15°	7788.9	7838.4	7888.0	7937.5	8006.1	8051.9	8101.5	8158.7	8193.0	8238.7	8269.3
17.5°	7716.4	7769.8	7815.6	7861.3	7926.1	7979.4	8025.3	8078.6	8113.0	8151.1	8193.0
20°	7628.7	7678.3	7727.9	7766.0	7830.8	7876.5	7926.1	7975.7	8002.4	8010.0	8074.9
22.5°	7518.2	7552.5	7590.6	7651.6	7689.8	7731.7	7777.5	7823.1	7849.8	7891.9	7914.6
25°	7335.1	7369.5	7411.4	7438.1	7483.9	7518.2	7563.9	7613.5	7628.7	7659.3	7682.1
27.5°	7079.8	7098.8	7117.9	7140.7	7167.4	7186.5	7213.2	7236.1	7251.3	7266.5	7281.8
30°	6675.6	6675.6	6675.6	6660.3	6671.8	6683.2	6687.0	6683.2	6683.2	6679.5	6679.5
32.5°	6141.9	6111.4	6077.1	6046.6	6035.2	6019.9	6012.2	6000.8	5981.8	5970.3	5974.1
35°	5421.3	5352.7	5310.8	5272.7	5242.2	5219.3	5207.8	5196.4	5192.6	5177.4	5162.0
37.5°	4521.6	4472.0	4441.6	4418.7	4392.0	4369.1	4372.9	4372.9	4376.8	4388.1	4380.5
40°	3568.5	3557.0	3568.5	3541.8	3534.1	3541.8	3560.8	3587.6	3602.8	3618.0	3644.7
42.5°	2714.5	2733.5	2760.3	2760.3	2771.6	2787.0	2809.7	2851.8	2874.5	2901.2	2931.8
45°	2043.5	2066.4	2100.7	2112.0	2119.7	2138.7	2165.6	2199.8	2215.0	2237.9	2264.6
47.5°	1574.6	1589.8	1608.8	1627.9	1646.9	1654.6	1681.3	1681.3	1700.4	1715.7	1723.2
50°	1227.6	1242.8	1258.1	1269.5	1277.2	1288.7	1296.2	1307.7	1311.4	1319.1	1322.9
52.5°	960.7	979.8	979.8	987.4	998.8	1010.3	1006.5	1010.3	1014.0	1014.0	1025.5
55°	751.0	751.0	762.5	762.5	770.2	766.3	770.2	770.2	770.2	770.2	774.0
57.5°	560.4	564.3	575.8	568.1	564.3	571.8	564.3	571.8	568.1	575.8	564.3
60°	430.8	430.8	434.7	434.7	438.4	438.4	438.4	434.7	434.7	430.8	430.8
62.5°	324.0	327.8	331.7	327.8	327.8	327.8	324.0	324.0	320.3	316.4	316.4
65°	217.3	213.6	221.1	213.6	217.3	217.3	213.6	217.3	205.9	209.7	205.9
67.5°	156.3	152.5	148.8	152.5	148.8	144.8	144.8	148.8	152.5	141.1	141.1
70°	102.9	106.7	102.9	106.7	110.6	110.6	106.7	102.9	106.7	99.2	102.9
72.5°	64.8	64.8	64.8	64.8	64.8	68.6	68.6	68.6	61.0	61.0	57.1
75°	30.4	41.9	34.4	30.4	41.9	41.9	38.1	38.1	34.4	34.4	34.4
77.5°	30.4	22.9	22.9	22.9	22.9	22.9	22.9	22.9	19.0	22.9	19.0
80°	15.2	15.2	15.2	11.5	15.2	15.2	19.0	15.2	15.2	11.5	19.0
82.5°	7.7	7.7	7.7	0.0	3.8	7.7	7.7	3.8	7.7	7.7	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7895.6	7891.9	7895.6	7899.4	7895.6	7891.9	7895.6	7899.4	7884.2	7880.4	7888.0
5°	8063.4	8063.4	8070.9	8074.9	8070.9	8063.4	8063.4	8048.2	8036.7	8025.3	8021.5
7.5°	8208.2	8215.9	8223.5	8227.2	8223.5	8215.9	8208.2	8185.3	8162.4	8143.4	8128.2
10°	8296.0	8307.4	8322.6	8330.2	8322.6	8307.4	8296.0	8269.3	8238.7	8208.2	8185.3
12.5°	8334.1	8345.5	8364.5	8360.8	8364.5	8345.5	8334.1	8296.0	8261.6	8219.7	8185.3
15°	8307.4	8322.6	8341.6	8349.3	8341.6	8322.6	8307.4	8269.3	8238.7	8193.0	8158.7
17.5°	8223.5	8246.4	8257.8	8269.3	8257.8	8246.4	8223.5	8193.0	8151.1	8113.0	8078.6
20°	8109.1	8124.4	8139.7	8143.4	8139.7	8124.4	8109.1	8074.9	8010.0	8002.4	7975.7
22.5°	7945.2	7956.7	7990.9	7979.4	7990.9	7956.7	7945.2	7914.6	7891.9	7849.8	7823.1
25°	7708.7	7720.2	7724.1	7727.9	7724.1	7720.2	7708.7	7682.1	7659.3	7628.7	7613.5
27.5°	7300.9	7300.9	7308.4	7312.4	7308.4	7300.9	7300.9	7281.8	7266.5	7251.3	7236.1
30°	6683.2	6683.2	6683.2	6702.4	6683.2	6683.2	6683.2	6679.5	6679.5	6683.2	6683.2
32.5°	5970.3	5962.7	5955.1	5962.7	5955.1	5962.7	5970.3	5974.1	5970.3	5981.8	6000.8
35°	5162.0	5158.3	5169.7	5154.5	5169.7	5158.3	5162.0	5162.0	5177.4	5192.6	5196.4
37.5°	4388.1	4380.5	4395.8	4380.5	4395.8	4380.5	4388.1	4384.3	4380.5	4388.1	4376.8
40°	3652.4	3659.9	3659.9	3690.5	3659.9	3659.9	3652.4	3644.7	3618.0	3602.8	3587.6
42.5°	2947.0	2969.9	2962.3	2985.2	2962.3	2969.9	2947.0	2931.8	2901.2	2874.5	2851.8
45°	2279.8	2295.2	2295.2	2302.7	2295.2	2295.2	2279.8	2264.6	2237.9	2215.0	2199.8
47.5°	1749.9	1749.9	1749.9	1753.8	1749.9	1749.9	1749.9	1723.2	1715.7	1700.4	1681.3
50°	1330.6	1334.3	1338.3	1342.0	1338.3	1334.3	1330.6	1322.9	1319.1	1311.4	1307.7
52.5°	1021.7	1025.5	1018.0	1025.5	1018.0	1025.5	1021.7	1025.5	1014.0	1014.0	1010.3
55°	774.0	770.2	774.0	777.7	774.0	770.2	774.0	774.0	770.2	770.2	770.2
57.5°	568.1	560.4	560.4	560.4	560.4	560.4	568.1	564.3	575.8	568.1	571.8
60°	423.2	427.0	427.0	430.8	427.0	427.0	423.2	430.8	430.8	434.7	434.7
62.5°	312.6	324.0	316.4	324.0	316.4	324.0	312.6	316.4	316.4	320.3	324.0
65°	202.1	202.1	202.1	205.9	202.1	202.1	202.1	205.9	209.7	205.9	217.3
67.5°	137.3	141.1	148.8	144.8	148.8	141.1	137.3	141.1	141.1	152.5	148.8
70°	110.6	99.2	99.2	110.6	99.2	99.2	110.6	102.9	99.2	106.7	102.9
72.5°	64.8	57.1	64.8	64.8	64.8	57.1	64.8	57.1	61.0	61.0	68.6
75°	34.4	30.4	26.7	38.1	26.7	30.4	34.4	34.4	34.4	34.4	38.1
77.5°	22.9	19.0	26.7	26.7	26.7	19.0	22.9	19.0	22.9	19.0	22.9
80°	11.5	15.2	11.5	19.0	11.5	15.2	11.5	19.0	11.5	15.2	15.2
82.5°	3.8	7.7	7.7	7.7	7.7	7.7	3.8	3.8	7.7	7.7	3.8
85°	0.0	7.7	3.8	3.8	3.8	7.7	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	0.0	0.0	3.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7888.0	7876.5	7880.4	7857.5	7857.5	7849.8	7853.7	7834.6	7827.1	7819.4	7830.8
5°	8002.4	7983.4	7968.0	7933.8	7914.6	7891.9	7880.4	7849.8	7823.1	7800.2	7796.5
7.5°	8093.8	8051.9	8025.3	7979.4	7945.2	7918.6	7880.4	7838.4	7804.2	7773.6	7750.8
10°	8132.0	8090.1	8048.2	7990.9	7952.8	7903.2	7865.0	7811.7	7766.0	7724.1	7697.3
12.5°	8135.7	8082.4	8044.3	7979.4	7929.9	7876.5	7834.6	7773.6	7720.2	7678.3	7636.4
15°	8101.5	8051.9	8006.1	7937.5	7888.0	7838.4	7788.9	7724.1	7674.5	7625.0	7594.5
17.5°	8025.3	7979.4	7926.1	7861.3	7815.6	7769.8	7716.4	7663.1	7605.8	7552.5	7514.3
20°	7926.1	7876.5	7830.8	7766.0	7727.9	7678.3	7628.7	7571.6	7525.8	7472.4	7430.5
22.5°	7777.5	7731.7	7689.8	7651.6	7590.6	7552.5	7518.2	7453.4	7407.6	7358.0	7312.4
25°	7563.9	7518.2	7483.9	7438.1	7411.4	7369.5	7335.1	7278.0	7236.1	7190.3	7152.1
27.5°	7213.2	7186.5	7167.4	7140.7	7117.9	7098.8	7079.8	7034.0	7003.5	6961.6	6923.5
30°	6687.0	6683.2	6671.8	6660.3	6675.6	6675.6	6675.6	6668.0	6641.4	6610.8	6584.1
32.5°	6012.2	6019.9	6035.2	6046.6	6077.1	6111.4	6141.9	6157.1	6157.1	6138.1	6126.6
35°	5207.8	5219.3	5242.2	5272.7	5310.8	5352.7	5421.3	5436.6	5447.9	5447.9	5432.7
37.5°	4372.9	4369.1	4392.0	4418.7	4441.6	4472.0	4521.6	4533.1	4552.1	4544.5	4529.1
40°	3560.8	3541.8	3534.1	3541.8	3568.5	3557.0	3568.5	3560.8	3560.8	3534.1	3534.1
42.5°	2809.7	2787.0	2771.6	2760.3	2760.3	2733.5	2714.5	2695.5	2684.0	2664.9	2661.1
45°	2165.6	2138.7	2119.7	2112.0	2100.7	2066.4	2043.5	2020.6	1993.9	1986.3	1990.1
47.5°	1681.3	1654.6	1646.9	1627.9	1608.8	1589.8	1574.6	1547.9	1544.0	1528.8	1544.0
50°	1296.2	1288.7	1277.2	1269.5	1258.1	1242.8	1227.6	1212.4	1204.7	1204.7	1208.5
52.5°	1006.5	1010.3	998.8	987.4	979.8	979.8	960.7	956.9	956.9	941.7	956.9
55°	770.2	766.3	770.2	762.5	762.5	751.0	751.0	739.6	739.6	728.1	735.8
57.5°	564.3	571.8	564.3	568.1	575.8	564.3	560.4	548.9	556.6	548.9	552.8
60°	438.4	438.4	438.4	434.7	434.7	430.8	430.8	427.0	427.0	419.3	427.0
62.5°	324.0	327.8	327.8	327.8	331.7	327.8	324.0	327.8	324.0	324.0	327.8
65°	213.6	217.3	217.3	213.6	221.1	213.6	217.3	221.1	224.9	221.1	224.9
67.5°	144.8	144.8	148.8	152.5	148.8	152.5	156.3	152.5	156.3	164.0	156.3
70°	106.7	110.6	110.6	106.7	102.9	106.7	102.9	114.4	114.4	114.4	121.9
72.5°	68.6	68.6	64.8	64.8	64.8	64.8	64.8	76.3	68.6	64.8	72.5
75°	38.1	41.9	41.9	30.4	34.4	41.9	30.4	34.4	45.8	38.1	45.8
77.5°	22.9	22.9	22.9	22.9	22.9	22.9	30.4	26.7	26.7	26.7	30.4
80°	19.0	15.2	15.2	11.5	15.2	15.2	15.2	22.9	19.0	19.0	22.9
82.5°	7.7	7.7	3.8	0.0	7.7	7.7	7.7	7.7	7.7	7.7	15.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	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: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7800.2	7800.2	7796.5	7788.9	7773.6	7773.6	7769.8	7758.3	7750.8	7746.9	7746.9
5°	7762.1	7746.9	7731.7	7689.8	7689.8	7682.1	7659.3	7643.9	7636.4	7617.3	7609.7
7.5°	7727.9	7682.1	7655.4	7628.7	7594.5	7579.1	7552.5	7541.0	7514.3	7495.3	7483.9
10°	7643.9	7613.5	7579.1	7537.2	7510.6	7480.1	7449.5	7426.8	7392.4	7373.2	7358.0
12.5°	7586.8	7541.0	7510.6	7464.7	7419.1	7392.4	7350.5	7323.8	7289.4	7251.3	7228.4
15°	7533.5	7483.9	7442.0	7392.4	7342.8	7312.4	7262.8	7232.3	7182.7	7144.6	7117.9
17.5°	7453.4	7411.4	7365.7	7304.7	7259.0	7220.9	7167.4	7129.4	7083.6	7034.0	7007.3
20°	7369.5	7319.9	7274.2	7213.2	7167.4	7121.7	7068.3	7026.4	6972.9	6927.3	6896.8
22.5°	7259.0	7201.7	7163.6	7102.6	7049.2	6999.8	6950.2	6900.6	6851.0	6812.9	6778.5
25°	7098.8	7037.7	6995.8	6946.3	6896.8	6858.7	6797.6	6767.2	6717.6	6683.2	6648.9
27.5°	6870.0	6824.3	6786.2	6736.6	6694.7	6664.3	6618.4	6588.0	6545.9	6515.5	6488.8
30°	6534.6	6496.5	6462.1	6412.6	6382.1	6355.4	6313.4	6286.7	6256.3	6221.9	6214.4
32.5°	6084.7	6054.1	6019.9	5985.6	5962.7	5947.4	5913.1	5897.8	5867.4	5848.3	5829.3
35°	5406.0	5379.4	5360.4	5345.2	5337.5	5341.2	5333.7	5348.9	5356.5	5352.7	5356.5
37.5°	4517.9	4502.5	4510.2	4521.6	4559.7	4609.3	4655.0	4723.6	4769.4	4815.2	4857.1
40°	3526.6	3538.0	3568.5	3637.0	3736.2	3846.8	3949.8	4079.4	4209.0	4300.5	4384.3
42.5°	2661.1	2695.5	2771.6	2870.8	3019.5	3183.4	3343.6	3534.1	3690.5	3842.9	3949.8
45°	2001.6	2047.2	2146.4	2283.7	2447.5	2638.2	2840.3	3053.7	3240.6	3396.9	3515.1
47.5°	1559.4	1601.3	1700.4	1845.3	2047.2	2245.6	2455.2	2676.3	2870.8	3023.3	3126.2
50°	1231.4	1284.7	1372.5	1525.0	1727.1	1936.8	2154.1	2371.3	2554.4	2684.0	2775.5
52.5°	968.4	1018.0	1101.8	1262.0	1467.9	1677.5	1879.5	2093.1	2253.1	2379.0	2440.0
55°	751.0	796.9	884.4	1018.0	1212.4	1418.3	1620.2	1803.4	1952.0	2043.5	2100.7
57.5°	571.8	606.2	667.2	800.6	976.1	1166.6	1338.3	1521.2	1635.6	1700.4	1738.4
60°	434.7	461.4	526.2	629.1	789.2	953.2	1098.0	1235.3	1326.8	1380.1	1418.3
62.5°	327.8	358.4	404.1	491.8	613.7	747.3	869.2	972.1	1048.4	1082.8	1109.5
65°	224.9	247.8	282.1	350.7	453.7	548.9	644.3	720.6	770.2	808.3	823.5
67.5°	167.8	183.0	202.1	255.5	327.8	404.1	468.9	522.2	575.8	591.0	617.7
70°	125.9	137.3	156.3	194.4	236.3	289.7	343.2	373.6	411.8	438.4	446.1
72.5°	80.0	83.8	102.9	125.9	160.1	194.4	228.8	255.5	278.4	293.6	301.1
75°	45.8	68.6	68.6	91.5	114.4	129.6	152.5	171.5	183.0	194.4	194.4
77.5°	30.4	41.9	45.8	57.1	68.6	87.7	106.7	118.2	129.6	133.4	133.4
80°	26.7	30.4	30.4	41.9	49.6	64.8	76.3	80.0	87.7	91.5	99.2
82.5°	11.5	15.2	19.0	30.4	34.4	34.4	45.8	49.6	57.1	61.0	61.0
85°	3.8	7.7	7.7	11.5	19.0	22.9	26.7	30.4	34.4	34.4	38.1
87.5°	3.8	3.8	0.0	3.8	7.7	7.7	15.2	15.2	15.2	22.9	22.9
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: P248873

CATALOG NUMBER: LD8B175D010 ER8B175827 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9	7807.9
2.5°	7739.3	7743.1	7727.9	7724.1	7716.4	7720.2	7727.9
5°	7598.3	7602.0	7586.8	7571.6	7571.6	7567.7	7571.6
7.5°	7464.7	7468.7	7445.7	7438.1	7422.8	7426.8	7426.8
10°	7331.3	7331.3	7297.1	7293.2	7281.8	7278.0	7278.0
12.5°	7201.7	7190.3	7163.6	7148.4	7156.1	7133.2	7133.2
15°	7087.3	7068.3	7034.0	7022.5	7003.5	6995.8	6995.8
17.5°	6969.2	6953.9	6923.5	6900.6	6877.7	6873.9	6877.7
20°	6854.8	6839.5	6801.4	6786.2	6767.2	6767.2	6759.5
22.5°	6740.4	6725.1	6690.9	6679.5	6652.8	6652.8	6656.6
25°	6622.2	6610.8	6572.6	6565.1	6561.3	6545.9	6553.6
27.5°	6462.1	6454.5	6424.0	6412.6	6397.3	6393.6	6401.1
30°	6168.5	6157.1	6134.3	6122.9	6096.2	6100.0	6107.5
32.5°	5802.6	5787.4	5756.8	5745.3	5722.6	5714.9	5718.6
35°	5345.2	5333.7	5307.0	5307.0	5284.1	5276.4	5284.1
37.5°	4880.0	4891.3	4880.0	4891.3	4880.0	4876.1	4880.0
40°	4441.6	4483.5	4491.0	4533.1	4517.9	4540.6	4536.8
42.5°	4022.1	4090.7	4117.5	4151.7	4144.2	4159.4	4170.9
45°	3598.9	3656.2	3682.9	3705.8	3709.5	3717.2	3721.0
47.5°	3198.6	3244.4	3248.2	3274.9	3271.1	3271.1	3282.5
50°	2825.1	2855.6	2863.1	2882.2	2867.0	2859.3	2863.1
52.5°	2478.1	2508.6	2500.9	2508.6	2489.6	2481.9	2485.7
55°	2123.5	2138.7	2138.7	2138.7	2116.0	2116.0	2116.0
57.5°	1761.3	1765.2	1757.6	1761.3	1757.6	1734.6	1730.9
60°	1429.7	1429.7	1425.8	1429.7	1418.3	1406.8	1406.8
62.5°	1117.0	1124.7	1139.9	1124.7	1117.0	1124.7	1113.2
65°	835.0	850.2	846.3	854.0	850.2	850.2	842.5
67.5°	629.1	632.9	636.6	640.6	640.6	640.6	640.6
70°	461.4	472.8	468.9	468.9	468.9	468.9	491.8
72.5°	308.8	324.0	320.3	327.8	327.8	335.5	327.8
75°	209.7	224.9	217.3	228.8	224.9	217.3	236.3
77.5°	141.1	148.8	152.5	156.3	152.5	148.8	152.5
80°	99.2	106.7	102.9	106.7	106.7	106.7	110.6
82.5°	61.0	72.5	68.6	72.5	68.6	72.5	72.5
85°	41.9	45.8	38.1	45.8	41.9	41.9	49.6
87.5°	26.7	22.9	22.9	26.7	22.9	26.7	22.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)