

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: P248828

Luminaire Tested: **LD8B175D010 ER8B175935 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248828
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 ER8B175935 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14481.0 lumens
Efficiency: N/A
Efficacy: 81.7 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

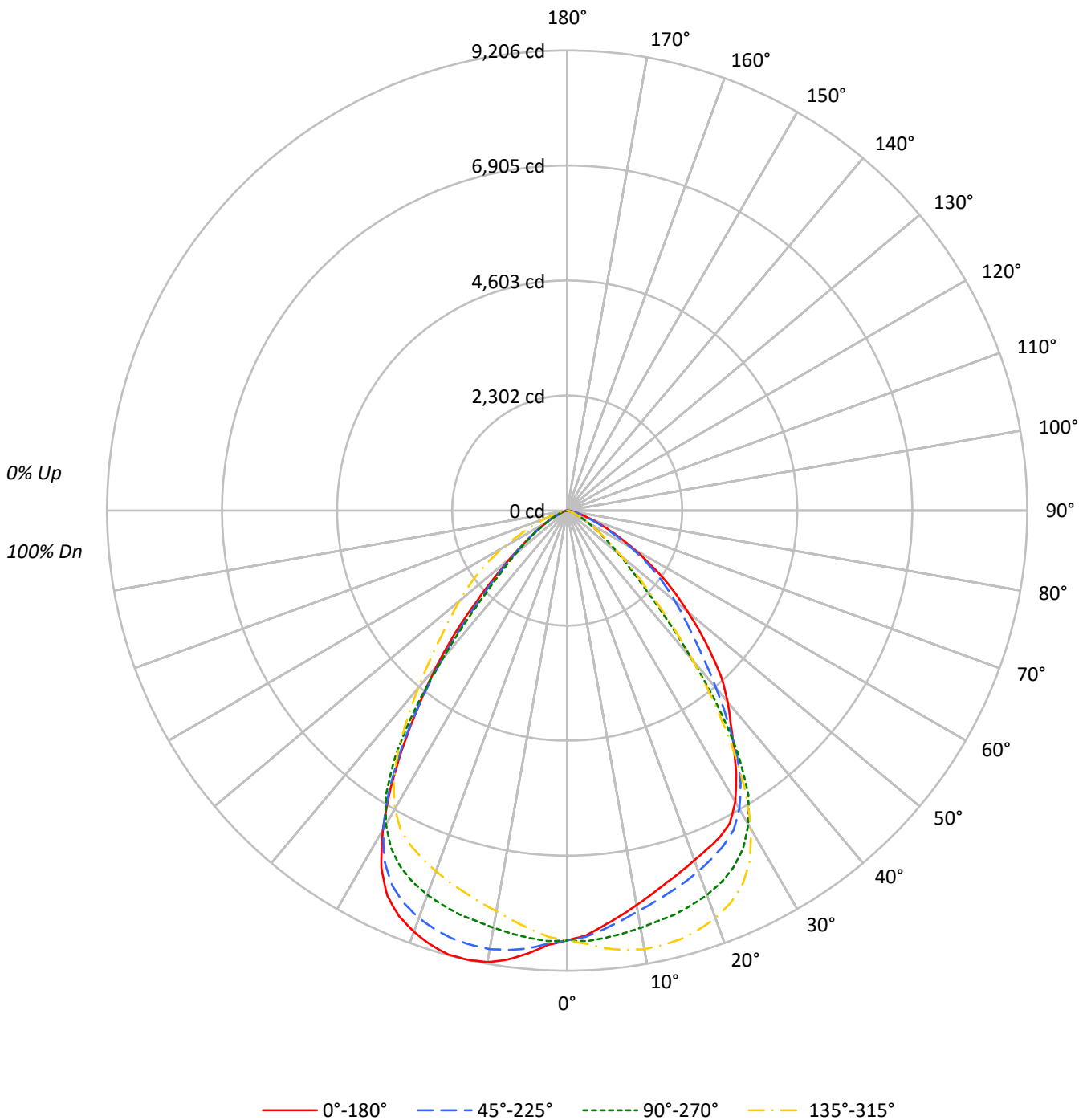
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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°	265097	265097	265097	265097
5°	258055	265719	275207	265719
10°	250916	265372	287191	265372
15°	245905	266946	293478	266946
20°	244231	268475	294232	268475
25°	245515	267936	289504	267936
30°	239444	258127	262767	258127
35°	219018	225176	213646	225176
40°	201081	156636	163572	156636
45°	178667	95556	110567	95556
50°	151229	63833	70885	63833
55°	125253	43558	46036	43558
60°	95531	28992	29251	28992
65°	67690	18066	16541	18066
70°	48821	12108	10981	12108
75°	31001	6017	5004	6017
80°	21629	4475	3711	4475
85°	19318	0	1451	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.3	5.7
10°-20°	2369.5	16.4
20°-30°	3588.0	24.8
30°-40°	3596.0	24.8
40°-50°	2258.1	15.6
50°-60°	1203.4	8.3
60°-70°	494.8	3.4
70°-80°	130.7	0.9
80°-90°	22.1	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°	6775.8	46.8
0°-40°	10371.8	71.6
0°-60°	13833.3	95.5
0°-90°	14481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14481.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8597	8597	8597	8597	8597	
5°	8337	8584	8891	8584	8337	786
15°	7703	8362	9193	8362	7703	2179
25°	7216	7875	8509	7875	7216	3309
35°	5818	5982	5675	5982	5818	3645
45°	4097	2191	2535	2191	4097	3151
55°	2330	810	856	810	2330	2077
65°	928	248	227	248	928	962
75°	260	50	42	50	260	295
85°	55	0	4	0	55	60
90°	0	0	0	0	0	



TEST NUMBER: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8508.8	8500.3	8496.2	8504.6	8508.8	8525.6	8521.4	8529.7	8529.7	8534.0	8542.3
5°	8336.7	8332.4	8336.7	8336.7	8353.5	8370.2	8366.1	8378.7	8387.0	8408.1	8416.4
7.5°	8177.2	8177.2	8172.9	8189.7	8198.1	8223.4	8219.0	8240.1	8252.7	8273.6	8303.0
10°	8013.4	8013.4	8017.6	8030.2	8034.5	8072.2	8072.2	8101.5	8118.3	8139.4	8177.2
12.5°	7854.0	7854.0	7879.2	7870.7	7887.5	7916.8	7929.5	7958.8	7984.1	8026.0	8063.9
15°	7702.8	7702.8	7711.2	7732.1	7744.8	7782.6	7803.5	7837.2	7866.6	7908.6	7963.1
17.5°	7572.7	7568.5	7572.7	7597.9	7623.1	7656.6	7673.4	7715.4	7744.8	7799.4	7849.8
20°	7442.6	7451.0	7451.0	7471.9	7488.7	7530.7	7547.4	7593.7	7627.3	7677.5	7736.5
22.5°	7329.2	7325.1	7325.1	7354.4	7367.1	7404.7	7421.5	7463.5	7501.3	7543.3	7597.9
25°	7215.9	7207.4	7224.3	7228.5	7236.8	7278.8	7291.4	7320.7	7358.6	7396.4	7451.0
27.5°	7047.9	7039.6	7043.8	7060.5	7073.2	7106.7	7115.1	7144.5	7173.9	7207.4	7253.7
30°	6724.7	6716.4	6712.2	6741.6	6754.2	6779.3	6791.9	6842.3	6850.6	6888.4	6922.0
32.5°	6296.5	6292.4	6300.8	6325.9	6338.5	6372.2	6388.9	6418.3	6439.2	6460.3	6493.8
35°	5818.1	5809.6	5818.1	5843.3	5843.3	5872.7	5885.3	5897.7	5893.6	5897.7	5889.4
37.5°	5373.2	5368.8	5373.2	5385.6	5373.2	5385.6	5373.2	5347.9	5301.8	5251.3	5200.9
40°	4995.3	4999.4	4974.4	4991.1	4944.8	4936.5	4890.4	4827.3	4735.1	4634.3	4491.6
42.5°	4592.4	4579.7	4563.0	4571.3	4533.6	4504.1	4428.6	4348.9	4231.2	4063.5	3891.2
45°	4097.0	4092.8	4084.4	4080.2	4055.0	4025.6	3962.6	3870.3	3740.2	3568.1	3362.3
47.5°	3614.2	3601.6	3601.6	3605.8	3576.4	3572.3	3521.8	3442.2	3328.8	3160.9	2946.8
50°	3152.4	3148.2	3156.7	3173.5	3152.4	3144.1	3110.6	3056.0	2955.3	2812.5	2610.9
52.5°	2736.9	2732.7	2741.2	2762.1	2753.6	2762.1	2728.6	2686.6	2619.4	2480.8	2304.6
55°	2329.8	2329.8	2329.8	2354.8	2354.8	2354.8	2338.1	2313.0	2250.0	2149.2	1985.6
57.5°	1905.8	1909.9	1935.2	1939.3	1935.2	1943.6	1939.3	1914.1	1872.3	1800.9	1674.9
60°	1549.0	1549.0	1561.6	1574.2	1569.9	1574.2	1574.2	1561.6	1519.6	1460.9	1360.1
62.5°	1225.7	1238.3	1229.9	1238.3	1255.1	1238.3	1229.9	1221.6	1192.2	1154.4	1070.4
65°	927.7	936.1	936.1	940.3	931.8	936.1	919.4	906.8	890.0	848.0	793.4
67.5°	705.3	705.3	705.3	705.3	701.0	696.8	692.7	680.1	650.7	633.9	575.0
70°	541.5	516.3	516.3	516.3	516.3	520.6	508.0	491.2	482.8	453.4	411.4
72.5°	360.9	369.4	360.9	360.9	352.6	356.8	340.0	331.6	323.3	306.5	281.3
75°	260.2	239.3	247.6	251.9	239.3	247.6	230.8	214.1	214.1	201.5	188.9
77.5°	167.9	163.8	167.9	172.1	167.9	163.8	155.3	146.9	146.9	142.7	130.1
80°	121.8	117.5	117.5	117.5	113.3	117.5	109.2	109.2	100.7	96.6	88.1
82.5°	79.8	79.8	75.5	79.8	75.5	79.8	67.2	67.2	67.2	62.9	54.6
85°	54.6	46.1	46.1	50.5	42.0	50.5	46.1	42.0	37.8	37.8	33.5
87.5°	25.2	29.4	25.2	29.4	25.2	25.2	29.4	25.2	25.2	16.8	16.8
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: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8554.9	8559.1	8559.1	8576.0	8584.3	8588.4	8588.4	8622.1	8609.5	8618.0	8626.3
5°	8433.3	8458.3	8466.8	8466.8	8512.9	8529.7	8546.5	8584.3	8588.4	8613.7	8643.0
7.5°	8315.6	8345.0	8361.9	8399.6	8429.0	8458.3	8508.8	8534.0	8559.1	8592.8	8630.4
10°	8202.3	8236.0	8269.5	8298.9	8345.0	8382.8	8416.4	8475.1	8504.6	8550.8	8601.1
12.5°	8093.3	8139.4	8168.8	8219.0	8269.5	8303.0	8353.5	8408.1	8454.2	8500.3	8559.1
15°	7996.7	8051.3	8084.8	8139.4	8194.0	8240.1	8294.7	8361.9	8395.4	8450.0	8504.6
17.5°	7891.6	7950.5	7992.5	8042.8	8110.0	8160.3	8206.6	8273.6	8315.6	8374.4	8437.4
20°	7782.6	7841.3	7891.6	7942.1	8009.3	8059.6	8114.2	8181.4	8227.5	8286.3	8336.7
22.5°	7652.5	7707.1	7761.5	7820.3	7887.5	7929.5	7992.5	8051.3	8101.5	8156.1	8206.6
25°	7484.5	7551.8	7593.7	7648.2	7702.8	7748.9	7816.1	7874.9	7916.8	7967.3	8013.4
27.5°	7287.2	7337.7	7371.2	7417.3	7471.9	7513.9	7564.2	7623.1	7665.1	7711.2	7744.8
30°	6951.3	6997.6	7027.0	7060.5	7115.1	7153.0	7195.0	7249.4	7278.8	7312.5	7341.8
32.5°	6510.6	6548.4	6565.2	6590.4	6628.2	6665.9	6699.6	6745.7	6758.3	6779.3	6779.3
35°	5872.7	5881.0	5876.8	5885.3	5902.0	5922.9	5952.3	5981.7	5998.5	5998.5	5986.0
37.5°	5125.4	5075.1	5020.5	4978.5	4965.9	4957.4	4974.4	4986.8	5003.7	5012.0	4991.1
40°	4348.9	4235.6	4113.8	4004.6	3929.0	3895.5	3882.9	3891.2	3891.2	3920.6	3920.6
42.5°	3681.5	3505.0	3324.7	3160.9	3051.7	2967.9	2930.0	2930.0	2934.2	2955.3	2967.9
45°	3127.3	2904.8	2694.9	2514.5	2363.3	2254.1	2203.8	2191.2	2187.1	2195.4	2224.7
47.5°	2703.3	2472.5	2254.1	2031.7	1872.3	1763.1	1716.9	1700.0	1683.2	1700.0	1704.3
50°	2371.8	2132.5	1901.6	1679.1	1511.1	1414.6	1355.8	1330.6	1326.4	1326.4	1334.9
52.5°	2069.4	1847.0	1616.2	1389.5	1213.1	1120.8	1066.2	1053.6	1036.9	1053.6	1053.6
55°	1784.0	1561.6	1334.9	1120.8	973.8	877.4	826.9	810.2	801.7	814.3	814.3
57.5°	1473.5	1284.5	1074.7	881.5	734.7	667.5	629.6	608.7	604.4	612.9	604.4
60°	1209.0	1049.5	868.9	692.7	579.3	508.0	478.6	470.1	461.7	470.1	470.1
62.5°	957.0	822.8	675.7	541.5	444.9	394.6	360.9	360.9	356.8	356.8	360.9
65°	709.4	604.4	499.5	386.2	310.7	272.8	247.6	247.6	243.4	247.6	243.4
67.5°	516.3	444.9	360.9	281.3	222.5	201.5	184.7	172.1	180.6	172.1	167.9
70°	377.9	319.0	260.2	214.1	172.1	151.2	138.6	134.3	126.0	126.0	126.0
72.5°	251.9	214.1	176.2	138.6	113.3	92.3	88.1	79.8	71.4	75.5	84.0
75°	167.9	142.7	126.0	100.7	75.5	75.5	50.5	50.5	42.0	50.5	37.8
77.5°	117.5	96.6	75.5	62.9	50.5	46.1	33.5	33.5	29.4	29.4	29.4
80°	84.0	71.4	54.6	46.1	33.5	33.5	29.4	25.2	20.9	20.9	25.2
82.5°	50.5	37.8	37.8	33.5	20.9	16.8	12.6	16.8	8.5	8.5	8.5
85°	29.4	25.2	20.9	12.6	8.5	8.5	4.1	0.0	4.1	4.1	0.0
87.5°	16.8	8.5	8.5	4.1	0.0	4.1	4.1	0.0	0.0	0.0	8.5
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: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8647.4	8643.0	8651.5	8651.5	8676.7	8672.4	8685.0	8685.0	8676.7	8680.9	8697.6
5°	8676.7	8689.3	8714.4	8735.5	8773.1	8790.1	8811.0	8832.1	8836.2	8848.8	8861.4
7.5°	8676.7	8718.7	8748.1	8785.8	8836.2	8865.6	8911.7	8949.6	8966.3	8987.2	9012.5
10°	8659.8	8701.8	8756.4	8798.4	8861.4	8907.6	8953.7	9012.5	9037.7	9071.2	9104.9
12.5°	8626.3	8672.4	8731.2	8785.8	8857.1	8899.1	8957.9	9012.5	9050.3	9096.4	9134.3
15°	8576.0	8630.4	8685.0	8739.6	8815.1	8865.6	8920.2	8983.1	9020.9	9071.2	9104.9
17.5°	8496.2	8554.9	8605.4	8655.7	8727.0	8785.8	8836.2	8895.0	8932.8	8974.8	9020.9
20°	8399.6	8454.2	8508.8	8550.8	8622.1	8672.4	8727.0	8781.6	8811.0	8819.5	8890.8
22.5°	8278.0	8315.6	8357.6	8424.8	8466.8	8512.9	8563.4	8613.7	8643.0	8689.3	8714.4
25°	8076.3	8114.2	8160.3	8189.7	8240.1	8278.0	8328.2	8382.8	8399.6	8433.3	8458.3
27.5°	7795.2	7816.1	7837.2	7862.2	7891.6	7912.7	7942.1	7967.3	7984.1	8000.8	8017.6
30°	7350.1	7350.1	7350.1	7333.4	7346.0	7358.6	7362.7	7358.6	7358.6	7354.4	7354.4
32.5°	6762.5	6729.0	6691.1	6657.6	6645.0	6628.2	6619.8	6607.2	6586.3	6573.6	6577.8
35°	5969.1	5893.6	5847.4	5805.5	5771.9	5746.7	5734.1	5721.5	5717.3	5700.6	5683.6
37.5°	4978.5	4923.9	4890.4	4865.2	4835.8	4810.6	4814.7	4819.0	4831.5	4823.2	4827.3
40°	3929.0	3916.4	3929.0	3899.7	3891.2	3899.7	3920.6	3950.1	3966.9	3983.6	4013.0
42.5°	2988.8	3009.7	3039.2	3039.2	3051.7	3068.6	3093.7	3140.0	3165.0	3194.4	3228.1
45°	2250.0	2275.2	2313.0	2325.5	2333.9	2354.8	2384.4	2422.0	2438.8	2464.0	2493.4
47.5°	1733.7	1750.4	1771.4	1792.4	1813.3	1821.8	1851.2	1851.2	1872.3	1889.0	1897.3
50°	1351.7	1368.4	1385.2	1397.8	1406.3	1418.9	1427.2	1439.8	1443.9	1452.4	1456.5
52.5°	1057.8	1078.8	1078.8	1087.1	1099.8	1112.4	1108.2	1112.4	1116.5	1116.5	1129.1
55°	826.9	826.9	839.5	839.5	848.0	843.7	848.0	848.0	848.0	848.0	852.2
57.5°	617.0	621.3	633.9	625.5	621.3	629.6	621.3	629.6	625.5	633.9	621.3
60°	474.3	474.3	478.6	478.6	482.8	482.8	482.8	478.6	478.6	474.3	474.3
62.5°	356.8	360.9	365.3	360.9	360.9	360.9	356.8	356.8	352.6	348.3	348.3
65°	239.3	235.2	243.4	235.2	239.3	239.3	235.2	239.3	226.7	230.8	226.7
67.5°	172.1	167.9	163.8	167.9	163.8	159.5	159.5	163.8	167.9	155.3	155.3
70°	113.3	117.5	113.3	117.5	121.8	121.8	117.5	113.3	117.5	109.2	113.3
72.5°	71.4	71.4	71.4	71.4	71.4	75.5	75.5	75.5	67.2	67.2	62.9
75°	33.5	46.1	37.8	33.5	46.1	46.1	42.0	42.0	37.8	37.8	37.8
77.5°	33.5	25.2	25.2	25.2	25.2	25.2	25.2	25.2	20.9	25.2	20.9
80°	16.8	16.8	16.8	12.6	16.8	16.8	20.9	16.8	16.8	12.6	20.9
82.5°	8.5	8.5	8.5	0.0	4.1	8.5	8.5	4.1	8.5	8.5	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: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8693.5	8689.3	8693.5	8697.6	8693.5	8689.3	8693.5	8697.6	8680.9	8676.7	8685.0
5°	8878.2	8878.2	8886.5	8890.8	8886.5	8878.2	8878.2	8861.4	8848.8	8836.2	8832.1
7.5°	9037.7	9046.1	9054.4	9058.6	9054.4	9046.1	9037.7	9012.5	8987.2	8966.3	8949.6
10°	9134.3	9146.9	9163.6	9171.9	9163.6	9146.9	9134.3	9104.9	9071.2	9037.7	9012.5
12.5°	9176.2	9188.9	9209.8	9205.6	9209.8	9188.9	9176.2	9134.3	9096.4	9050.3	9012.5
15°	9146.9	9163.6	9184.5	9193.0	9184.5	9163.6	9146.9	9104.9	9071.2	9020.9	8983.1
17.5°	9054.4	9079.7	9092.3	9104.9	9092.3	9079.7	9054.4	9020.9	8974.8	8932.8	8895.0
20°	8928.5	8945.4	8962.2	8966.3	8962.2	8945.4	8928.5	8890.8	8819.5	8811.0	8781.6
22.5°	8748.1	8760.7	8798.4	8785.8	8798.4	8760.7	8748.1	8714.4	8689.3	8643.0	8613.7
25°	8487.7	8500.3	8504.6	8508.8	8504.6	8500.3	8487.7	8458.3	8433.3	8399.6	8382.8
27.5°	8038.7	8038.7	8046.9	8051.3	8046.9	8038.7	8038.7	8017.6	8000.8	7984.1	7967.3
30°	7358.6	7358.6	7358.6	7379.7	7358.6	7358.6	7358.6	7354.4	7354.4	7358.6	7358.6
32.5°	6573.6	6565.2	6556.9	6565.2	6556.9	6565.2	6573.6	6577.8	6573.6	6586.3	6607.2
35°	5683.6	5679.5	5692.1	5675.4	5692.1	5679.5	5683.6	5683.6	5700.6	5717.3	5721.5
37.5°	4831.5	4823.2	4840.0	4823.2	4840.0	4823.2	4831.5	4827.3	4823.2	4831.5	4819.0
40°	4021.5	4029.8	4029.8	4063.5	4029.8	4029.8	4021.5	4013.0	3983.6	3966.9	3950.1
42.5°	3244.8	3270.1	3261.6	3286.8	3261.6	3270.1	3244.8	3228.1	3194.4	3165.0	3140.0
45°	2510.2	2527.1	2527.1	2535.4	2527.1	2527.1	2510.2	2493.4	2464.0	2438.8	2422.0
47.5°	1926.7	1926.7	1926.7	1931.0	1926.7	1926.7	1926.7	1897.3	1889.0	1872.3	1851.2
50°	1465.0	1469.2	1473.5	1477.6	1473.5	1469.2	1465.0	1456.5	1452.4	1443.9	1439.8
52.5°	1125.0	1129.1	1120.8	1129.1	1120.8	1129.1	1125.0	1129.1	1116.5	1116.5	1112.4
55°	852.2	848.0	852.2	856.3	852.2	848.0	852.2	852.2	848.0	848.0	848.0
57.5°	625.5	617.0	617.0	617.0	617.0	617.0	625.5	621.3	633.9	625.5	629.6
60°	466.0	470.1	470.1	474.3	470.1	470.1	466.0	474.3	474.3	478.6	478.6
62.5°	344.2	356.8	348.3	356.8	348.3	356.8	344.2	348.3	348.3	352.6	356.8
65°	222.5	222.5	222.5	226.7	222.5	222.5	222.5	226.7	230.8	226.7	239.3
67.5°	151.2	155.3	163.8	159.5	163.8	155.3	151.2	155.3	155.3	167.9	163.8
70°	121.8	109.2	109.2	121.8	109.2	109.2	121.8	113.3	109.2	117.5	113.3
72.5°	71.4	62.9	71.4	71.4	71.4	62.9	71.4	62.9	67.2	67.2	75.5
75°	37.8	33.5	29.4	42.0	29.4	33.5	37.8	37.8	37.8	37.8	42.0
77.5°	25.2	20.9	29.4	29.4	29.4	20.9	25.2	20.9	25.2	20.9	25.2
80°	12.6	16.8	12.6	20.9	12.6	16.8	12.6	20.9	12.6	16.8	16.8
82.5°	4.1	8.5	8.5	8.5	8.5	8.5	4.1	4.1	8.5	8.5	4.1
85°	0.0	8.5	4.1	4.1	4.1	8.5	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: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8685.0	8672.4	8676.7	8651.5	8651.5	8643.0	8647.4	8626.3	8618.0	8609.5	8622.1
5°	8811.0	8790.1	8773.1	8735.5	8714.4	8689.3	8676.7	8643.0	8613.7	8588.4	8584.3
7.5°	8911.7	8865.6	8836.2	8785.8	8748.1	8718.7	8676.7	8630.4	8592.8	8559.1	8534.0
10°	8953.7	8907.6	8861.4	8798.4	8756.4	8701.8	8659.8	8601.1	8550.8	8504.6	8475.1
12.5°	8957.9	8899.1	8857.1	8785.8	8731.2	8672.4	8626.3	8559.1	8500.3	8454.2	8408.1
15°	8920.2	8865.6	8815.1	8739.6	8685.0	8630.4	8576.0	8504.6	8450.0	8395.4	8361.9
17.5°	8836.2	8785.8	8727.0	8655.7	8605.4	8554.9	8496.2	8437.4	8374.4	8315.6	8273.6
20°	8727.0	8672.4	8622.1	8550.8	8508.8	8454.2	8399.6	8336.7	8286.3	8227.5	8181.4
22.5°	8563.4	8512.9	8466.8	8424.8	8357.6	8315.6	8278.0	8206.6	8156.1	8101.5	8051.3
25°	8328.2	8278.0	8240.1	8189.7	8160.3	8114.2	8076.3	8013.4	7967.3	7916.8	7874.9
27.5°	7942.1	7912.7	7891.6	7862.2	7837.2	7816.1	7795.2	7744.8	7711.2	7665.1	7623.1
30°	7362.7	7358.6	7346.0	7333.4	7350.1	7350.1	7350.1	7341.8	7312.5	7278.8	7249.4
32.5°	6619.8	6628.2	6645.0	6657.6	6691.1	6729.0	6762.5	6779.3	6779.3	6758.3	6745.7
35°	5734.1	5746.7	5771.9	5805.5	5847.4	5893.6	5969.1	5986.0	5998.5	5998.5	5981.7
37.5°	4814.7	4810.6	4835.8	4865.2	4890.4	4923.9	4978.5	4991.1	5012.0	5003.7	4986.8
40°	3920.6	3899.7	3891.2	3899.7	3929.0	3916.4	3929.0	3920.6	3920.6	3891.2	3891.2
42.5°	3093.7	3068.6	3051.7	3039.2	3039.2	3009.7	2988.8	2967.9	2955.3	2934.2	2930.0
45°	2384.4	2354.8	2333.9	2325.5	2313.0	2275.2	2250.0	2224.7	2195.4	2187.1	2191.2
47.5°	1851.2	1821.8	1813.3	1792.4	1771.4	1750.4	1733.7	1704.3	1700.0	1683.2	1700.0
50°	1427.2	1418.9	1406.3	1397.8	1385.2	1368.4	1351.7	1334.9	1326.4	1326.4	1330.6
52.5°	1108.2	1112.4	1099.8	1087.1	1078.8	1078.8	1057.8	1053.6	1053.6	1036.9	1053.6
55°	848.0	843.7	848.0	839.5	839.5	826.9	826.9	814.3	814.3	801.7	810.2
57.5°	621.3	629.6	621.3	625.5	633.9	621.3	617.0	604.4	612.9	604.4	608.7
60°	482.8	482.8	482.8	478.6	478.6	474.3	474.3	470.1	470.1	461.7	470.1
62.5°	356.8	360.9	360.9	360.9	365.3	360.9	356.8	360.9	356.8	356.8	360.9
65°	235.2	239.3	239.3	235.2	243.4	235.2	239.3	243.4	247.6	243.4	247.6
67.5°	159.5	159.5	163.8	167.9	163.8	167.9	172.1	167.9	172.1	180.6	172.1
70°	117.5	121.8	121.8	117.5	113.3	117.5	113.3	126.0	126.0	126.0	134.3
72.5°	75.5	75.5	71.4	71.4	71.4	71.4	71.4	84.0	75.5	71.4	79.8
75°	42.0	46.1	46.1	33.5	37.8	46.1	33.5	37.8	50.5	42.0	50.5
77.5°	25.2	25.2	25.2	25.2	25.2	25.2	33.5	29.4	29.4	29.4	33.5
80°	20.9	16.8	16.8	12.6	16.8	16.8	16.8	25.2	20.9	20.9	25.2
82.5°	8.5	8.5	4.1	0.0	8.5	8.5	8.5	8.5	8.5	8.5	16.8
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	8.5	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: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8588.4	8588.4	8584.3	8576.0	8559.1	8559.1	8554.9	8542.3	8534.0	8529.7	8529.7
5°	8546.5	8529.7	8512.9	8466.8	8466.8	8458.3	8433.3	8416.4	8408.1	8387.0	8378.7
7.5°	8508.8	8458.3	8429.0	8399.6	8361.9	8345.0	8315.6	8303.0	8273.6	8252.7	8240.1
10°	8416.4	8382.8	8345.0	8298.9	8269.5	8236.0	8202.3	8177.2	8139.4	8118.3	8101.5
12.5°	8353.5	8303.0	8269.5	8219.0	8168.8	8139.4	8093.3	8063.9	8026.0	7984.1	7958.8
15°	8294.7	8240.1	8194.0	8139.4	8084.8	8051.3	7996.7	7963.1	7908.6	7866.6	7837.2
17.5°	8206.6	8160.3	8110.0	8042.8	7992.5	7950.5	7891.6	7849.8	7799.4	7744.8	7715.4
20°	8114.2	8059.6	8009.3	7942.1	7891.6	7841.3	7782.6	7736.5	7677.5	7627.3	7593.7
22.5°	7992.5	7929.5	7887.5	7820.3	7761.5	7707.1	7652.5	7597.9	7543.3	7501.3	7463.5
25°	7816.1	7748.9	7702.8	7648.2	7593.7	7551.8	7484.5	7451.0	7396.4	7358.6	7320.7
27.5°	7564.2	7513.9	7471.9	7417.3	7371.2	7337.7	7287.2	7253.7	7207.4	7173.9	7144.5
30°	7195.0	7153.0	7115.1	7060.5	7027.0	6997.6	6951.3	6922.0	6888.4	6850.6	6842.3
32.5°	6699.6	6665.9	6628.2	6590.4	6565.2	6548.4	6510.6	6493.8	6460.3	6439.2	6418.3
35°	5952.3	5922.9	5902.0	5885.3	5876.8	5881.0	5872.7	5889.4	5897.7	5893.6	5897.7
37.5°	4974.4	4957.4	4965.9	4978.5	5020.5	5075.1	5125.4	5200.9	5251.3	5301.8	5347.9
40°	3882.9	3895.5	3929.0	4004.6	4113.8	4235.6	4348.9	4491.6	4634.3	4735.1	4827.3
42.5°	2930.0	2967.9	3051.7	3160.9	3324.7	3505.0	3681.5	3891.2	4063.5	4231.2	4348.9
45°	2203.8	2254.1	2363.3	2514.5	2694.9	2904.8	3127.3	3362.3	3568.1	3740.2	3870.3
47.5°	1716.9	1763.1	1872.3	2031.7	2254.1	2472.5	2703.3	2946.8	3160.9	3328.8	3442.2
50°	1355.8	1414.6	1511.1	1679.1	1901.6	2132.5	2371.8	2610.9	2812.5	2955.3	3056.0
52.5°	1066.2	1120.8	1213.1	1389.5	1616.2	1847.0	2069.4	2304.6	2480.8	2619.4	2686.6
55°	826.9	877.4	973.8	1120.8	1334.9	1561.6	1784.0	1985.6	2149.2	2250.0	2313.0
57.5°	629.6	667.5	734.7	881.5	1074.7	1284.5	1473.5	1674.9	1800.9	1872.3	1914.1
60°	478.6	508.0	579.3	692.7	868.9	1049.5	1209.0	1360.1	1460.9	1519.6	1561.6
62.5°	360.9	394.6	444.9	541.5	675.7	822.8	957.0	1070.4	1154.4	1192.2	1221.6
65°	247.6	272.8	310.7	386.2	499.5	604.4	709.4	793.4	848.0	890.0	906.8
67.5°	184.7	201.5	222.5	281.3	360.9	444.9	516.3	575.0	633.9	650.7	680.1
70°	138.6	151.2	172.1	214.1	260.2	319.0	377.9	411.4	453.4	482.8	491.2
72.5°	88.1	92.3	113.3	138.6	176.2	214.1	251.9	281.3	306.5	323.3	331.6
75°	50.5	75.5	75.5	100.7	126.0	142.7	167.9	188.9	201.5	214.1	214.1
77.5°	33.5	46.1	50.5	62.9	75.5	96.6	117.5	130.1	142.7	146.9	146.9
80°	29.4	33.5	33.5	46.1	54.6	71.4	84.0	88.1	96.6	100.7	109.2
82.5°	12.6	16.8	20.9	33.5	37.8	37.8	50.5	54.6	62.9	67.2	67.2
85°	4.1	8.5	8.5	12.6	20.9	25.2	29.4	33.5	37.8	37.8	42.0
87.5°	4.1	4.1	0.0	4.1	8.5	8.5	16.8	16.8	16.8	25.2	25.2
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: P248828

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9	8596.9
2.5°	8521.4	8525.6	8508.8	8504.6	8496.2	8500.3	8508.8
5°	8366.1	8370.2	8353.5	8336.7	8336.7	8332.4	8336.7
7.5°	8219.0	8223.4	8198.1	8189.7	8172.9	8177.2	8177.2
10°	8072.2	8072.2	8034.5	8030.2	8017.6	8013.4	8013.4
12.5°	7929.5	7916.8	7887.5	7870.7	7879.2	7854.0	7854.0
15°	7803.5	7782.6	7744.8	7732.1	7711.2	7702.8	7702.8
17.5°	7673.4	7656.6	7623.1	7597.9	7572.7	7568.5	7572.7
20°	7547.4	7530.7	7488.7	7471.9	7451.0	7451.0	7442.6
22.5°	7421.5	7404.7	7367.1	7354.4	7325.1	7325.1	7329.2
25°	7291.4	7278.8	7236.8	7228.5	7224.3	7207.4	7215.9
27.5°	7115.1	7106.7	7073.2	7060.5	7043.8	7039.6	7047.9
30°	6791.9	6779.3	6754.2	6741.6	6712.2	6716.4	6724.7
32.5°	6388.9	6372.2	6338.5	6325.9	6300.8	6292.4	6296.5
35°	5885.3	5872.7	5843.3	5843.3	5818.1	5809.6	5818.1
37.5°	5373.2	5385.6	5373.2	5385.6	5373.2	5368.8	5373.2
40°	4890.4	4936.5	4944.8	4991.1	4974.4	4999.4	4995.3
42.5°	4428.6	4504.1	4533.6	4571.3	4563.0	4579.7	4592.4
45°	3962.6	4025.6	4055.0	4080.2	4084.4	4092.8	4097.0
47.5°	3521.8	3572.3	3576.4	3605.8	3601.6	3601.6	3614.2
50°	3110.6	3144.1	3152.4	3173.5	3156.7	3148.2	3152.4
52.5°	2728.6	2762.1	2753.6	2762.1	2741.2	2732.7	2736.9
55°	2338.1	2354.8	2354.8	2354.8	2329.8	2329.8	2329.8
57.5°	1939.3	1943.6	1935.2	1939.3	1935.2	1909.9	1905.8
60°	1574.2	1574.2	1569.9	1574.2	1561.6	1549.0	1549.0
62.5°	1229.9	1238.3	1255.1	1238.3	1229.9	1238.3	1225.7
65°	919.4	936.1	931.8	940.3	936.1	936.1	927.7
67.5°	692.7	696.8	701.0	705.3	705.3	705.3	705.3
70°	508.0	520.6	516.3	516.3	516.3	516.3	541.5
72.5°	340.0	356.8	352.6	360.9	360.9	369.4	360.9
75°	230.8	247.6	239.3	251.9	247.6	239.3	260.2
77.5°	155.3	163.8	167.9	172.1	167.9	163.8	167.9
80°	109.2	117.5	113.3	117.5	117.5	117.5	121.8
82.5°	67.2	79.8	75.5	79.8	75.5	79.8	79.8
85°	46.1	50.5	42.0	50.5	46.1	46.1	54.6
87.5°	29.4	25.2	25.2	29.4	25.2	29.4	25.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)