

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: P249071

Luminaire Tested: **LD8B175D010 ER8B175927 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175927 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14222.2 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

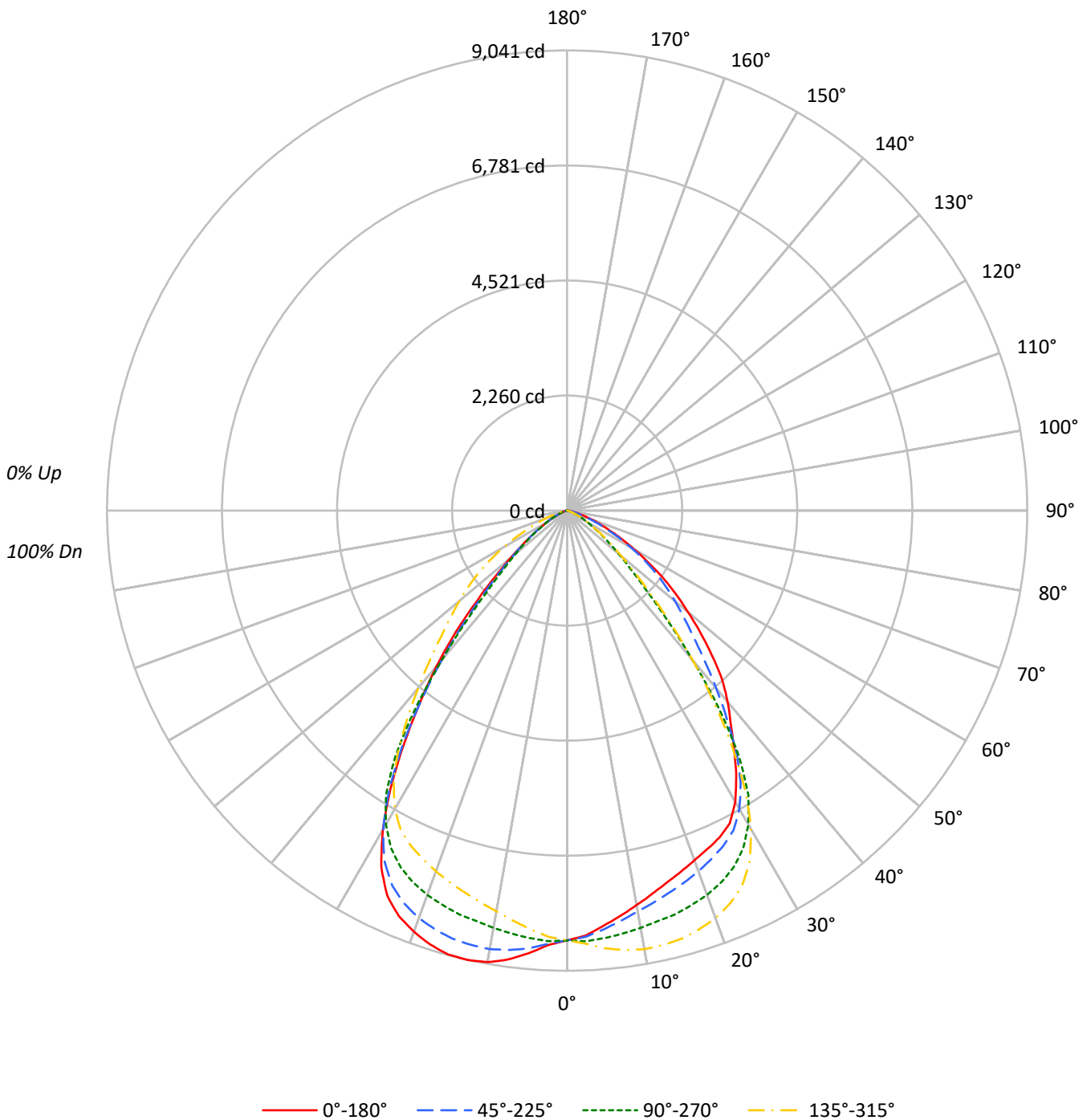
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	803.6	5.7
10°-20°	2327.2	16.4
20°-30°	3523.9	24.8
30°-40°	3531.8	24.8
40°-50°	2217.8	15.6
50°-60°	1181.8	8.3
60°-70°	486.0	3.4
70°-80°	128.4	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°	6654.7	46.8
0°-40°	10186.5	71.6
0°-60°	13586.1	95.5
0°-90°	14222.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14222.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8443	8443	8443	8443	8443	
5°	8188	8431	8732	8431	8188	772
15°	7565	8212	9029	8212	7565	2140
25°	7087	7734	8357	7734	7087	3250
35°	5714	5875	5574	5875	5714	3580
45°	4024	2152	2490	2152	4024	3095
55°	2288	796	841	796	2288	2040
65°	911	243	223	243	911	945
75°	256	50	41	50	256	290
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°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8356.7	8348.4	8344.4	8352.7	8356.7	8373.3	8369.1	8377.3	8377.3	8381.5	8389.7
5°	8187.8	8183.5	8187.8	8187.8	8204.2	8220.7	8216.6	8228.9	8237.1	8257.8	8265.9
7.5°	8031.2	8031.2	8026.9	8043.3	8051.6	8076.4	8072.2	8092.9	8105.3	8125.8	8154.7
10°	7870.3	7870.3	7874.3	7886.7	7891.0	7928.0	7928.0	7956.8	7973.2	7993.9	8031.2
12.5°	7713.6	7713.6	7738.4	7730.1	7746.5	7775.4	7787.8	7816.6	7841.4	7882.6	7919.8
15°	7565.2	7565.2	7573.5	7594.0	7606.4	7643.5	7664.1	7697.1	7726.0	7767.2	7820.9
17.5°	7437.4	7433.3	7437.4	7462.1	7486.9	7519.8	7536.3	7577.6	7606.4	7660.0	7709.5
20°	7309.6	7317.9	7317.9	7338.4	7354.9	7396.1	7412.6	7458.1	7490.9	7540.3	7598.2
22.5°	7198.2	7194.2	7194.2	7223.1	7235.4	7272.4	7288.9	7330.0	7367.3	7408.5	7462.1
25°	7086.9	7078.6	7095.3	7099.3	7107.4	7148.7	7161.1	7190.0	7227.1	7264.2	7317.9
27.5°	6922.0	6913.8	6918.0	6934.4	6946.8	6979.7	6988.0	7016.8	7045.6	7078.6	7124.1
30°	6604.5	6596.3	6592.3	6621.1	6633.6	6658.1	6670.5	6720.1	6728.2	6765.4	6798.3
32.5°	6184.0	6180.0	6188.3	6212.8	6225.2	6258.3	6274.8	6303.6	6324.2	6344.9	6377.7
35°	5714.1	5705.8	5714.1	5738.8	5738.8	5767.8	5780.1	5792.3	5788.2	5792.3	5784.2
37.5°	5277.2	5272.9	5277.2	5289.4	5277.2	5289.4	5277.2	5252.4	5207.1	5157.6	5108.0
40°	4906.0	4910.1	4885.5	4902.0	4856.5	4848.3	4803.1	4741.1	4650.4	4551.5	4411.3
42.5°	4510.3	4497.9	4481.4	4489.7	4452.6	4423.6	4349.5	4271.2	4155.6	3990.8	3821.6
45°	4023.8	4019.7	4011.4	4007.4	3982.5	3953.7	3891.7	3801.2	3673.4	3504.4	3302.2
47.5°	3549.7	3537.2	3537.2	3541.4	3512.5	3508.4	3458.9	3380.6	3269.4	3104.4	2894.2
50°	3096.1	3092.0	3100.3	3116.8	3096.1	3087.9	3055.0	3001.4	2902.5	2762.3	2564.2
52.5°	2688.0	2683.9	2692.2	2712.7	2704.4	2712.7	2679.9	2638.6	2572.5	2436.4	2263.4
55°	2288.1	2288.1	2288.1	2312.8	2312.8	2312.8	2296.4	2271.7	2209.7	2110.8	1950.1
57.5°	1871.8	1875.8	1900.6	1904.6	1900.6	1908.9	1904.6	1879.9	1838.8	1768.7	1645.0
60°	1521.3	1521.3	1533.7	1546.1	1541.8	1546.1	1546.1	1533.7	1492.4	1434.7	1335.8
62.5°	1203.9	1216.2	1207.9	1216.2	1232.7	1216.2	1207.9	1199.7	1170.9	1133.8	1051.2
65°	911.1	919.4	919.4	923.5	915.2	919.4	902.9	890.6	874.1	832.8	779.3
67.5°	692.7	692.7	692.7	692.7	688.5	684.3	680.3	667.9	639.1	622.6	564.8
70°	531.8	507.0	507.0	507.0	507.0	511.3	498.9	482.4	474.1	445.3	404.0
72.5°	354.5	362.8	354.5	354.5	346.4	350.4	334.0	325.7	317.5	301.0	276.3
75°	255.6	235.0	243.2	247.4	235.0	243.2	226.7	210.3	210.3	197.9	185.5
77.5°	164.9	160.9	164.9	169.0	164.9	160.9	152.5	144.2	144.2	140.2	127.8
80°	119.6	115.4	115.4	115.4	111.4	115.4	107.2	107.2	98.9	94.8	86.5
82.5°	78.4	78.4	74.1	78.4	74.1	78.4	66.0	66.0	66.0	61.8	53.7
85°	53.7	45.3	45.3	49.5	41.3	49.5	45.3	41.3	37.1	37.1	33.0
87.5°	24.8	28.8	24.8	28.8	24.8	24.8	28.8	24.8	24.8	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°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8402.1	8406.1	8406.1	8422.8	8430.9	8435.0	8435.0	8468.1	8455.7	8464.1	8472.2
5°	8282.6	8307.2	8315.6	8315.6	8360.8	8377.3	8393.7	8430.9	8435.0	8459.8	8488.6
7.5°	8167.0	8195.8	8212.5	8249.5	8278.3	8307.2	8356.7	8381.5	8406.1	8439.2	8476.2
10°	8055.7	8088.9	8121.7	8150.6	8195.8	8233.1	8265.9	8323.6	8352.7	8398.0	8447.4
12.5°	7948.7	7993.9	8022.8	8072.2	8121.7	8154.7	8204.2	8257.8	8303.2	8348.4	8406.1
15°	7853.7	7907.4	7940.4	7993.9	8047.6	8092.9	8146.5	8212.5	8245.5	8299.0	8352.7
17.5°	7750.6	7808.5	7849.7	7899.1	7965.1	8014.5	8060.0	8125.8	8167.0	8224.8	8286.6
20°	7643.5	7701.2	7750.6	7800.2	7866.2	7915.5	7969.2	8035.2	8080.5	8138.1	8187.8
22.5°	7515.8	7569.3	7622.8	7680.5	7746.5	7787.8	7849.7	7907.4	7956.8	8010.4	8060.0
25°	7350.9	7416.8	7458.1	7511.5	7565.2	7610.4	7676.4	7734.2	7775.4	7824.9	7870.3
27.5°	7157.0	7206.5	7239.5	7284.8	7338.4	7379.7	7429.0	7486.9	7528.2	7573.5	7606.4
30°	6827.2	6872.6	6901.4	6934.4	6988.0	7025.2	7066.4	7119.9	7148.7	7181.8	7210.7
32.5°	6394.3	6431.4	6447.8	6472.7	6509.8	6546.8	6579.9	6625.2	6637.6	6658.1	6658.1
35°	5767.8	5775.9	5771.8	5780.1	5796.6	5817.2	5846.0	5874.9	5891.3	5891.3	5879.0
37.5°	5033.8	4984.4	4930.8	4889.6	4877.2	4868.9	4885.5	4897.7	4914.3	4922.4	4902.0
40°	4271.2	4159.9	4040.2	3933.0	3858.9	3825.9	3813.5	3821.6	3821.6	3850.5	3850.5
42.5°	3615.6	3442.4	3265.2	3104.4	2997.1	2914.9	2877.6	2877.6	2881.8	2902.5	2914.9
45°	3071.5	2852.9	2646.7	2469.6	2321.1	2213.8	2164.5	2152.0	2148.0	2156.2	2185.0
47.5°	2655.0	2428.3	2213.8	1995.4	1838.8	1731.6	1686.3	1669.6	1653.2	1669.6	1673.9
50°	2329.4	2094.4	1867.6	1649.1	1484.1	1389.3	1331.6	1306.8	1302.8	1302.8	1311.1
52.5°	2032.4	1814.1	1587.3	1364.6	1191.4	1100.8	1047.1	1034.8	1018.4	1034.8	1034.8
55°	1752.1	1533.7	1311.1	1100.8	956.4	861.8	812.1	795.7	787.4	799.8	799.8
57.5°	1447.2	1261.5	1055.5	865.8	721.6	655.5	618.4	597.8	593.6	601.9	593.6
60°	1187.3	1030.7	853.4	680.3	569.0	498.9	470.0	461.7	453.4	461.7	461.7
62.5°	939.9	808.1	663.6	531.8	437.0	387.6	354.5	354.5	350.4	350.4	354.5
65°	696.7	593.6	490.6	379.2	305.1	268.0	243.2	243.2	239.1	243.2	239.1
67.5°	507.0	437.0	354.5	276.3	218.6	197.9	181.4	169.0	177.3	169.0	164.9
70°	371.1	313.2	255.6	210.3	169.0	148.5	136.1	131.8	123.8	123.8	123.8
72.5°	247.4	210.3	173.1	136.1	111.4	90.6	86.5	78.4	70.1	74.1	82.5
75°	164.9	140.2	123.8	98.9	74.1	74.1	49.5	49.5	41.3	49.5	37.1
77.5°	115.4	94.8	74.1	61.8	49.5	45.3	33.0	33.0	28.8	28.8	28.8
80°	82.5	70.1	53.7	45.3	33.0	33.0	28.8	24.8	20.6	20.6	24.8
82.5°	49.5	37.1	37.1	33.0	20.6	16.4	12.4	16.4	8.3	8.3	8.3
85°	28.8	24.8	20.6	12.4	8.3	8.3	4.0	0.0	4.0	4.0	0.0
87.5°	16.4	8.3	8.3	4.0	0.0	4.0	4.0	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°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8492.8	8488.6	8496.9	8496.9	8521.6	8517.5	8529.9	8529.9	8521.6	8525.8	8542.2
5°	8521.6	8534.1	8558.7	8579.4	8616.4	8633.0	8653.5	8674.2	8678.4	8690.7	8703.1
7.5°	8521.6	8562.9	8591.7	8628.8	8678.4	8707.2	8752.5	8789.6	8806.1	8826.6	8851.4
10°	8505.1	8546.3	8599.9	8641.1	8703.1	8748.4	8793.7	8851.4	8876.1	8909.1	8942.2
12.5°	8472.2	8517.5	8575.2	8628.8	8698.8	8740.1	8797.8	8851.4	8888.6	8933.8	8971.1
15°	8422.8	8476.2	8529.9	8583.4	8657.7	8707.2	8760.8	8822.6	8859.7	8909.1	8942.2
17.5°	8344.4	8402.1	8451.6	8500.9	8571.0	8628.8	8678.4	8736.1	8773.2	8814.4	8859.7
20°	8249.5	8303.2	8356.7	8398.0	8468.1	8517.5	8571.0	8624.7	8653.5	8661.8	8731.9
22.5°	8130.0	8167.0	8208.2	8274.3	8315.6	8360.8	8410.4	8459.8	8488.6	8534.1	8558.7
25°	7932.0	7969.2	8014.5	8043.3	8092.9	8130.0	8179.4	8233.1	8249.5	8282.6	8307.2
27.5°	7656.0	7676.4	7697.1	7721.8	7750.6	7771.3	7800.2	7824.9	7841.4	7857.9	7874.3
30°	7218.8	7218.8	7218.8	7202.4	7214.7	7227.1	7231.2	7227.1	7227.1	7223.1	7223.1
32.5°	6641.7	6608.7	6571.6	6538.6	6526.2	6509.8	6501.5	6489.1	6468.5	6456.2	6460.2
35°	5862.4	5788.2	5743.0	5701.7	5668.8	5644.0	5631.6	5619.3	5615.2	5598.7	5582.1
37.5°	4889.6	4835.9	4803.1	4778.2	4749.4	4724.7	4728.7	4733.0	4745.1	4737.0	4741.1
40°	3858.9	3846.5	3858.9	3830.0	3821.6	3830.0	3850.5	3879.6	3896.0	3912.4	3941.3
42.5°	2935.4	2955.9	2985.0	2985.0	2997.1	3013.8	3038.4	3083.8	3108.5	3137.3	3170.4
45°	2209.7	2234.6	2271.7	2283.9	2292.2	2312.8	2341.8	2378.8	2395.2	2420.0	2448.9
47.5°	1702.7	1719.2	1739.7	1760.4	1781.0	1789.2	1818.1	1818.1	1838.8	1855.2	1863.4
50°	1327.5	1343.9	1360.5	1372.8	1381.2	1393.5	1401.6	1414.0	1418.2	1426.5	1430.6
52.5°	1038.8	1059.5	1059.5	1067.7	1080.1	1092.5	1088.4	1092.5	1096.5	1096.5	1108.9
55°	812.1	812.1	824.5	824.5	832.8	828.6	832.8	832.8	832.8	832.8	836.9
57.5°	605.9	610.2	622.6	614.2	610.2	618.4	610.2	618.4	614.2	622.6	610.2
60°	465.9	465.9	470.0	470.0	474.1	474.1	474.1	470.0	470.0	465.9	465.9
62.5°	350.4	354.5	358.8	354.5	354.5	354.5	350.4	350.4	346.4	342.1	342.1
65°	235.0	231.0	239.1	231.0	235.0	235.0	231.0	235.0	222.6	226.7	222.6
67.5°	169.0	164.9	160.9	164.9	160.9	156.6	156.6	160.9	164.9	152.5	152.5
70°	111.4	115.4	111.4	115.4	119.6	119.6	115.4	111.4	115.4	107.2	111.4
72.5°	70.1	70.1	70.1	70.1	70.1	74.1	74.1	74.1	66.0	66.0	61.8
75°	33.0	45.3	37.1	33.0	45.3	45.3	41.3	41.3	37.1	37.1	37.1
77.5°	33.0	24.8	24.8	24.8	24.8	24.8	24.8	24.8	20.6	24.8	20.6
80°	16.4	16.4	16.4	12.4	16.4	16.4	20.6	16.4	16.4	12.4	20.6
82.5°	8.3	8.3	8.3	0.0	4.0	8.3	8.3	4.0	8.3	8.3	4.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P249071

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8538.2	8534.1	8538.2	8542.2	8538.2	8534.1	8538.2	8542.2	8525.8	8521.6	8529.9
5°	8719.5	8719.5	8727.8	8731.9	8727.8	8719.5	8719.5	8703.1	8690.7	8678.4	8674.2
7.5°	8876.1	8884.5	8892.7	8896.7	8892.7	8884.5	8876.1	8851.4	8826.6	8806.1	8789.6
10°	8971.1	8983.5	8999.9	9008.0	8999.9	8983.5	8971.1	8942.2	8909.1	8876.1	8851.4
12.5°	9012.3	9024.6	9045.2	9041.2	9045.2	9024.6	9012.3	8971.1	8933.8	8888.6	8851.4
15°	8983.5	8999.9	9020.5	9028.8	9020.5	8999.9	8983.5	8942.2	8909.1	8859.7	8822.6
17.5°	8892.7	8917.4	8929.8	8942.2	8929.8	8917.4	8892.7	8859.7	8814.4	8773.2	8736.1
20°	8768.9	8785.6	8802.0	8806.1	8802.0	8785.6	8768.9	8731.9	8661.8	8653.5	8624.7
22.5°	8591.7	8604.2	8641.1	8628.8	8641.1	8604.2	8591.7	8558.7	8534.1	8488.6	8459.8
25°	8336.0	8348.4	8352.7	8356.7	8352.7	8348.4	8336.0	8307.2	8282.6	8249.5	8233.1
27.5°	7895.0	7895.0	7903.1	7907.4	7903.1	7895.0	7895.0	7874.3	7857.9	7841.4	7824.9
30°	7227.1	7227.1	7227.1	7247.8	7227.1	7227.1	7227.1	7223.1	7223.1	7227.1	7227.1
32.5°	6456.2	6447.8	6439.7	6447.8	6439.7	6447.8	6456.2	6460.2	6456.2	6468.5	6489.1
35°	5582.1	5578.0	5590.3	5573.9	5590.3	5578.0	5582.1	5582.1	5598.7	5615.2	5619.3
37.5°	4745.1	4737.0	4753.5	4737.0	4753.5	4737.0	4745.1	4741.1	4737.0	4745.1	4733.0
40°	3949.6	3957.8	3957.8	3990.8	3957.8	3957.8	3949.6	3941.3	3912.4	3896.0	3879.6
42.5°	3186.9	3211.6	3203.3	3228.1	3203.3	3211.6	3186.9	3170.4	3137.3	3108.5	3083.8
45°	2465.3	2482.0	2482.0	2490.1	2482.0	2482.0	2465.3	2448.9	2420.0	2395.2	2378.8
47.5°	1892.2	1892.2	1892.2	1896.5	1892.2	1892.2	1892.2	1863.4	1855.2	1838.8	1818.1
50°	1438.9	1442.9	1447.2	1451.2	1447.2	1442.9	1438.9	1430.6	1426.5	1418.2	1414.0
52.5°	1104.9	1108.9	1100.8	1108.9	1100.8	1108.9	1104.9	1108.9	1096.5	1096.5	1092.5
55°	836.9	832.8	836.9	841.0	836.9	832.8	836.9	836.9	832.8	832.8	832.8
57.5°	614.2	605.9	605.9	605.9	605.9	605.9	614.2	610.2	622.6	614.2	618.4
60°	457.6	461.7	461.7	465.9	461.7	461.7	457.6	465.9	465.9	470.0	470.0
62.5°	338.1	350.4	342.1	350.4	342.1	350.4	338.1	342.1	342.1	346.4	350.4
65°	218.6	218.6	218.6	222.6	218.6	218.6	218.6	222.6	226.7	222.6	235.0
67.5°	148.5	152.5	160.9	156.6	160.9	152.5	148.5	152.5	152.5	164.9	160.9
70°	119.6	107.2	107.2	119.6	107.2	107.2	119.6	111.4	107.2	115.4	111.4
72.5°	70.1	61.8	70.1	70.1	70.1	61.8	70.1	61.8	66.0	66.0	74.1
75°	37.1	33.0	28.8	41.3	28.8	33.0	37.1	37.1	37.1	37.1	41.3
77.5°	24.8	20.6	28.8	28.8	28.8	20.6	24.8	20.6	24.8	20.6	24.8
80°	12.4	16.4	12.4	20.6	12.4	16.4	12.4	20.6	12.4	16.4	16.4
82.5°	4.0	8.3	8.3	8.3	8.3	8.3	4.0	4.0	8.3	8.3	4.0
85°	0.0	8.3	4.0	4.0	4.0	8.3	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P249071

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8529.9	8517.5	8521.6	8496.9	8496.9	8488.6	8492.8	8472.2	8464.1	8455.7	8468.1
5°	8653.5	8633.0	8616.4	8579.4	8558.7	8534.1	8521.6	8488.6	8459.8	8435.0	8430.9
7.5°	8752.5	8707.2	8678.4	8628.8	8591.7	8562.9	8521.6	8476.2	8439.2	8406.1	8381.5
10°	8793.7	8748.4	8703.1	8641.1	8599.9	8546.3	8505.1	8447.4	8398.0	8352.7	8323.6
12.5°	8797.8	8740.1	8698.8	8628.8	8575.2	8517.5	8472.2	8406.1	8348.4	8303.2	8257.8
15°	8760.8	8707.2	8657.7	8583.4	8529.9	8476.2	8422.8	8352.7	8299.0	8245.5	8212.5
17.5°	8678.4	8628.8	8571.0	8500.9	8451.6	8402.1	8344.4	8286.6	8224.8	8167.0	8125.8
20°	8571.0	8517.5	8468.1	8398.0	8356.7	8303.2	8249.5	8187.8	8138.1	8080.5	8035.2
22.5°	8410.4	8360.8	8315.6	8274.3	8208.2	8167.0	8130.0	8060.0	8010.4	7956.8	7907.4
25°	8179.4	8130.0	8092.9	8043.3	8014.5	7969.2	7932.0	7870.3	7824.9	7775.4	7734.2
27.5°	7800.2	7771.3	7750.6	7721.8	7697.1	7676.4	7656.0	7606.4	7573.5	7528.2	7486.9
30°	7231.2	7227.1	7214.7	7202.4	7218.8	7218.8	7218.8	7210.7	7181.8	7148.7	7119.9
32.5°	6501.5	6509.8	6526.2	6538.6	6571.6	6608.7	6641.7	6658.1	6658.1	6637.6	6625.2
35°	5631.6	5644.0	5668.8	5701.7	5743.0	5788.2	5862.4	5879.0	5891.3	5891.3	5874.9
37.5°	4728.7	4724.7	4749.4	4778.2	4803.1	4835.9	4889.6	4902.0	4922.4	4914.3	4897.7
40°	3850.5	3830.0	3821.6	3830.0	3858.9	3846.5	3858.9	3850.5	3850.5	3821.6	3821.6
42.5°	3038.4	3013.8	2997.1	2985.0	2985.0	2955.9	2935.4	2914.9	2902.5	2881.8	2877.6
45°	2341.8	2312.8	2292.2	2283.9	2271.7	2234.6	2209.7	2185.0	2156.2	2148.0	2152.0
47.5°	1818.1	1789.2	1781.0	1760.4	1739.7	1719.2	1702.7	1673.9	1669.6	1653.2	1669.6
50°	1401.6	1393.5	1381.2	1372.8	1360.5	1343.9	1327.5	1311.1	1302.8	1302.8	1306.8
52.5°	1088.4	1092.5	1080.1	1067.7	1059.5	1059.5	1038.8	1034.8	1034.8	1018.4	1034.8
55°	832.8	828.6	832.8	824.5	824.5	812.1	812.1	799.8	799.8	787.4	795.7
57.5°	610.2	618.4	610.2	614.2	622.6	610.2	605.9	593.6	601.9	593.6	597.8
60°	474.1	474.1	474.1	470.0	470.0	465.9	465.9	461.7	461.7	453.4	461.7
62.5°	350.4	354.5	354.5	354.5	358.8	354.5	350.4	354.5	350.4	350.4	354.5
65°	231.0	235.0	235.0	231.0	239.1	231.0	235.0	239.1	243.2	239.1	243.2
67.5°	156.6	156.6	160.9	164.9	160.9	164.9	169.0	164.9	169.0	177.3	169.0
70°	115.4	119.6	119.6	115.4	111.4	115.4	111.4	123.8	123.8	123.8	131.8
72.5°	74.1	74.1	70.1	70.1	70.1	70.1	70.1	82.5	74.1	70.1	78.4
75°	41.3	45.3	45.3	33.0	37.1	45.3	33.0	37.1	49.5	41.3	49.5
77.5°	24.8	24.8	24.8	24.8	24.8	24.8	33.0	28.8	28.8	28.8	33.0
80°	20.6	16.4	16.4	12.4	16.4	16.4	16.4	24.8	20.6	20.6	24.8
82.5°	8.3	8.3	4.0	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	4.0	4.0	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: P249071

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8435.0	8435.0	8430.9	8422.8	8406.1	8406.1	8402.1	8389.7	8381.5	8377.3	8377.3
5°	8393.7	8377.3	8360.8	8315.6	8315.6	8307.2	8282.6	8265.9	8257.8	8237.1	8228.9
7.5°	8356.7	8307.2	8278.3	8249.5	8212.5	8195.8	8167.0	8154.7	8125.8	8105.3	8092.9
10°	8265.9	8233.1	8195.8	8150.6	8121.7	8088.9	8055.7	8031.2	7993.9	7973.2	7956.8
12.5°	8204.2	8154.7	8121.7	8072.2	8022.8	7993.9	7948.7	7919.8	7882.6	7841.4	7816.6
15°	8146.5	8092.9	8047.6	7993.9	7940.4	7907.4	7853.7	7820.9	7767.2	7726.0	7697.1
17.5°	8060.0	8014.5	7965.1	7899.1	7849.7	7808.5	7750.6	7709.5	7660.0	7606.4	7577.6
20°	7969.2	7915.5	7866.2	7800.2	7750.6	7701.2	7643.5	7598.2	7540.3	7490.9	7458.1
22.5°	7849.7	7787.8	7746.5	7680.5	7622.8	7569.3	7515.8	7462.1	7408.5	7367.3	7330.0
25°	7676.4	7610.4	7565.2	7511.5	7458.1	7416.8	7350.9	7317.9	7264.2	7227.1	7190.0
27.5°	7429.0	7379.7	7338.4	7284.8	7239.5	7206.5	7157.0	7124.1	7078.6	7045.6	7016.8
30°	7066.4	7025.2	6988.0	6934.4	6901.4	6872.6	6827.2	6798.3	6765.4	6728.2	6720.1
32.5°	6579.9	6546.8	6509.8	6472.7	6447.8	6431.4	6394.3	6377.7	6344.9	6324.2	6303.6
35°	5846.0	5817.2	5796.6	5780.1	5771.8	5775.9	5767.8	5784.2	5792.3	5788.2	5792.3
37.5°	4885.5	4868.9	4877.2	4889.6	4930.8	4984.4	5033.8	5108.0	5157.6	5207.1	5252.4
40°	3813.5	3825.9	3858.9	3933.0	4040.2	4159.9	4271.2	4411.3	4551.5	4650.4	4741.1
42.5°	2877.6	2914.9	2997.1	3104.4	3265.2	3442.4	3615.6	3821.6	3990.8	4155.6	4271.2
45°	2164.5	2213.8	2321.1	2469.6	2646.7	2852.9	3071.5	3302.2	3504.4	3673.4	3801.2
47.5°	1686.3	1731.6	1838.8	1995.4	2213.8	2428.3	2655.0	2894.2	3104.4	3269.4	3380.6
50°	1331.6	1389.3	1484.1	1649.1	1867.6	2094.4	2329.4	2564.2	2762.3	2902.5	3001.4
52.5°	1047.1	1100.8	1191.4	1364.6	1587.3	1814.1	2032.4	2263.4	2436.4	2572.5	2638.6
55°	812.1	861.8	956.4	1100.8	1311.1	1533.7	1752.1	1950.1	2110.8	2209.7	2271.7
57.5°	618.4	655.5	721.6	865.8	1055.5	1261.5	1447.2	1645.0	1768.7	1838.8	1879.9
60°	470.0	498.9	569.0	680.3	853.4	1030.7	1187.3	1335.8	1434.7	1492.4	1533.7
62.5°	354.5	387.6	437.0	531.8	663.6	808.1	939.9	1051.2	1133.8	1170.9	1199.7
65°	243.2	268.0	305.1	379.2	490.6	593.6	696.7	779.3	832.8	874.1	890.6
67.5°	181.4	197.9	218.6	276.3	354.5	437.0	507.0	564.8	622.6	639.1	667.9
70°	136.1	148.5	169.0	210.3	255.6	313.2	371.1	404.0	445.3	474.1	482.4
72.5°	86.5	90.6	111.4	136.1	173.1	210.3	247.4	276.3	301.0	317.5	325.7
75°	49.5	74.1	74.1	98.9	123.8	140.2	164.9	185.5	197.9	210.3	210.3
77.5°	33.0	45.3	49.5	61.8	74.1	94.8	115.4	127.8	140.2	144.2	144.2
80°	28.8	33.0	33.0	45.3	53.7	70.1	82.5	86.5	94.8	98.9	107.2
82.5°	12.4	16.4	20.6	33.0	37.1	37.1	49.5	53.7	61.8	66.0	66.0
85°	4.0	8.3	8.3	12.4	20.6	24.8	28.8	33.0	37.1	37.1	41.3
87.5°	4.0	4.0	0.0	4.0	8.3	8.3	16.4	16.4	16.4	24.8	24.8
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: P249071

CATALOG NUMBER: LD8B175D010 ER8B175927 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4	8443.4
2.5°	8369.1	8373.3	8356.7	8352.7	8344.4	8348.4	8356.7
5°	8216.6	8220.7	8204.2	8187.8	8187.8	8183.5	8187.8
7.5°	8072.2	8076.4	8051.6	8043.3	8026.9	8031.2	8031.2
10°	7928.0	7928.0	7891.0	7886.7	7874.3	7870.3	7870.3
12.5°	7787.8	7775.4	7746.5	7730.1	7738.4	7713.6	7713.6
15°	7664.1	7643.5	7606.4	7594.0	7573.5	7565.2	7565.2
17.5°	7536.3	7519.8	7486.9	7462.1	7437.4	7433.3	7437.4
20°	7412.6	7396.1	7354.9	7338.4	7317.9	7317.9	7309.6
22.5°	7288.9	7272.4	7235.4	7223.1	7194.2	7194.2	7198.2
25°	7161.1	7148.7	7107.4	7099.3	7095.3	7078.6	7086.9
27.5°	6988.0	6979.7	6946.8	6934.4	6918.0	6913.8	6922.0
30°	6670.5	6658.1	6633.6	6621.1	6592.3	6596.3	6604.5
32.5°	6274.8	6258.3	6225.2	6212.8	6188.3	6180.0	6184.0
35°	5780.1	5767.8	5738.8	5738.8	5714.1	5705.8	5714.1
37.5°	5277.2	5289.4	5277.2	5289.4	5277.2	5272.9	5277.2
40°	4803.1	4848.3	4856.5	4902.0	4885.5	4910.1	4906.0
42.5°	4349.5	4423.6	4452.6	4489.7	4481.4	4497.9	4510.3
45°	3891.7	3953.7	3982.5	4007.4	4011.4	4019.7	4023.8
47.5°	3458.9	3508.4	3512.5	3541.4	3537.2	3537.2	3549.7
50°	3055.0	3087.9	3096.1	3116.8	3100.3	3092.0	3096.1
52.5°	2679.9	2712.7	2704.4	2712.7	2692.2	2683.9	2688.0
55°	2296.4	2312.8	2312.8	2312.8	2288.1	2288.1	2288.1
57.5°	1904.6	1908.9	1900.6	1904.6	1900.6	1875.8	1871.8
60°	1546.1	1546.1	1541.8	1546.1	1533.7	1521.3	1521.3
62.5°	1207.9	1216.2	1232.7	1216.2	1207.9	1216.2	1203.9
65°	902.9	919.4	915.2	923.5	919.4	919.4	911.1
67.5°	680.3	684.3	688.5	692.7	692.7	692.7	692.7
70°	498.9	511.3	507.0	507.0	507.0	507.0	531.8
72.5°	334.0	350.4	346.4	354.5	354.5	362.8	354.5
75°	226.7	243.2	235.0	247.4	243.2	235.0	255.6
77.5°	152.5	160.9	164.9	169.0	164.9	160.9	164.9
80°	107.2	115.4	111.4	115.4	115.4	115.4	119.6
82.5°	66.0	78.4	74.1	78.4	74.1	78.4	78.4
85°	45.3	49.5	41.3	49.5	45.3	45.3	53.7
87.5°	28.8	24.8	24.8	28.8	24.8	28.8	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)