

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: P248648

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248648
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13517.0 lumens
Efficiency: N/A
Efficacy: 76.3 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

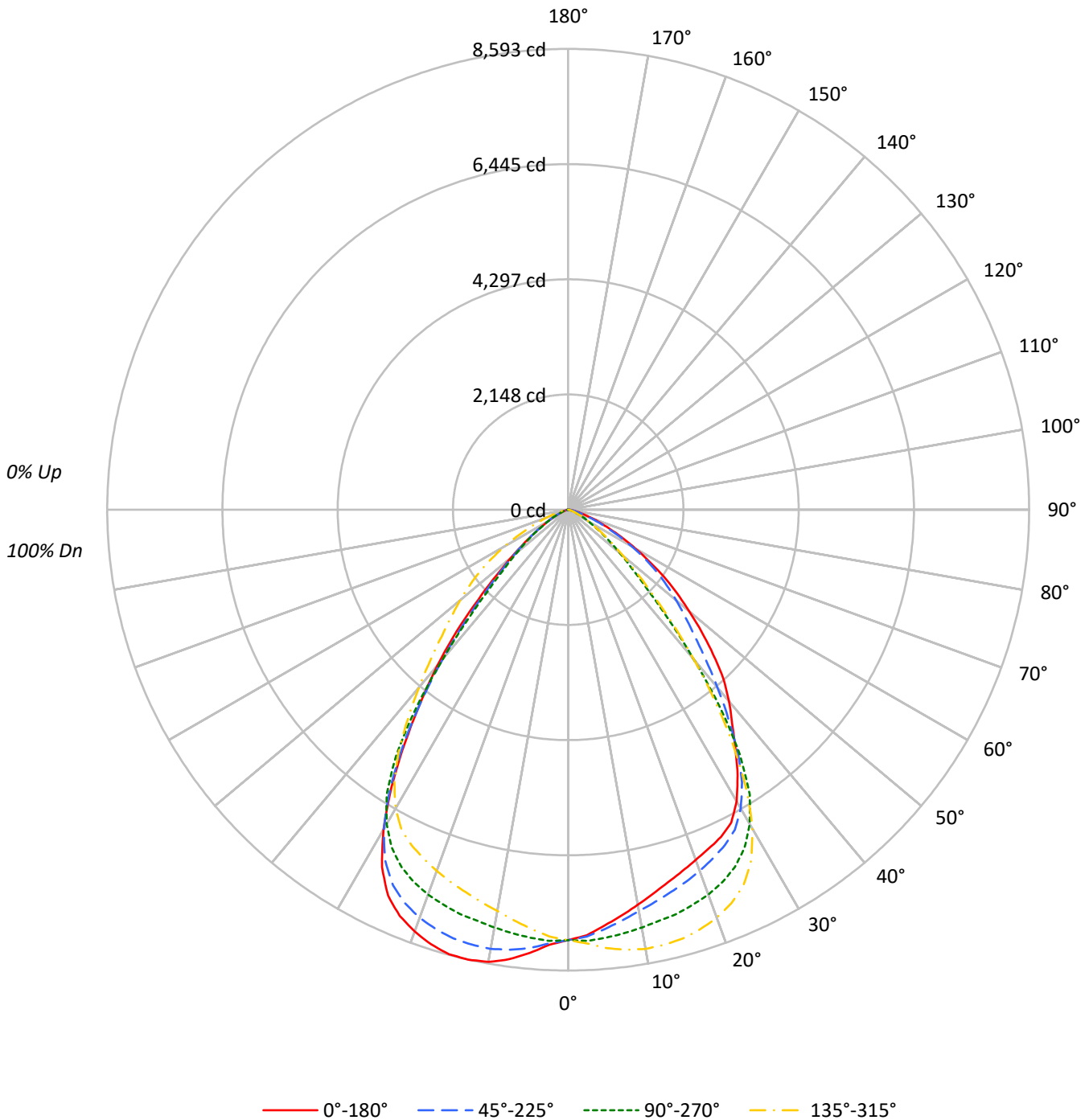
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	763.8	5.7
10°-20°	2211.8	16.4
20°-30°	3349.1	24.8
30°-40°	3356.7	24.8
40°-50°	2107.8	15.6
50°-60°	1123.2	8.3
60°-70°	461.9	3.4
70°-80°	122.0	0.9
80°-90°	20.6	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°	6324.7	46.8
0°-40°	9681.4	71.6
0°-60°	12912.4	95.5
0°-90°	13517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13517.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8025	8025	8025	8025	8025	
5°	7782	8013	8299	8013	7782	734
15°	7190	7805	8581	7805	7190	2034
25°	6736	7351	7942	7351	6736	3089
35°	5431	5584	5298	5584	5431	3402
45°	3824	2045	2367	2045	3824	2941
55°	2175	756	799	756	2175	1939
65°	866	231	212	231	866	898
75°	243	47	39	47	243	275
85°	51	0	4	0	51	56
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°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	7942.4	7934.5	7930.6	7938.5	7942.4	7958.0	7954.1	7961.9	7961.9	7965.9	7973.7
5°	7781.7	7777.7	7781.7	7781.7	7797.4	7813.0	7809.1	7820.9	7828.7	7848.3	7856.1
7.5°	7632.9	7632.9	7628.8	7644.5	7652.4	7675.9	7671.9	7691.6	7703.3	7722.9	7750.3
10°	7480.0	7480.0	7483.8	7495.6	7499.7	7534.8	7534.8	7562.2	7577.9	7597.5	7632.9
12.5°	7331.1	7331.1	7354.7	7346.8	7362.4	7389.8	7401.6	7429.0	7452.6	7491.7	7527.1
15°	7190.0	7190.0	7197.9	7217.4	7229.2	7264.5	7284.0	7315.5	7342.9	7382.1	7433.0
17.5°	7068.6	7064.7	7068.6	7092.1	7115.6	7146.9	7162.6	7201.8	7229.2	7280.1	7327.2
20°	6947.1	6955.0	6955.0	6974.5	6990.2	7029.4	7045.0	7088.2	7119.5	7166.4	7221.4
22.5°	6841.3	6837.4	6837.4	6864.9	6876.6	6911.8	6927.4	6966.6	7001.9	7041.1	7092.1
25°	6735.5	6727.6	6743.4	6747.3	6755.0	6794.2	6806.0	6833.4	6868.7	6904.0	6955.0
27.5°	6578.7	6571.0	6574.9	6590.5	6602.3	6633.6	6641.5	6668.9	6696.3	6727.6	6770.8
30°	6277.0	6269.3	6265.4	6292.8	6304.6	6328.0	6339.7	6386.8	6394.6	6429.9	6461.2
32.5°	5877.3	5873.5	5881.4	5904.8	5916.5	5948.0	5963.6	5991.0	6010.6	6030.2	6061.5
35°	5430.8	5422.9	5430.8	5454.3	5454.3	5481.7	5493.5	5505.1	5501.2	5505.1	5497.4
37.5°	5015.5	5011.4	5015.5	5027.1	5015.5	5027.1	5015.5	4991.9	4948.9	4901.8	4854.7
40°	4662.7	4666.6	4643.2	4658.9	4615.7	4607.9	4564.9	4506.0	4419.9	4325.8	4192.6
42.5°	4286.6	4274.9	4259.2	4267.0	4231.8	4204.2	4133.8	4059.4	3949.6	3793.0	3632.2
45°	3824.3	3820.4	3812.5	3808.6	3785.1	3757.6	3698.8	3612.7	3491.2	3330.6	3138.5
47.5°	3373.6	3361.9	3361.9	3365.7	3338.3	3334.5	3287.4	3213.0	3107.2	2950.4	2750.6
50°	2942.5	2938.7	2946.6	2962.2	2942.5	2934.8	2903.5	2852.5	2758.5	2625.3	2437.1
52.5°	2554.7	2550.8	2558.7	2578.2	2570.3	2578.2	2546.9	2507.7	2445.0	2315.6	2151.1
55°	2174.7	2174.7	2174.7	2198.1	2198.1	2198.1	2182.4	2159.0	2100.2	2006.2	1853.4
57.5°	1778.9	1782.8	1806.3	1810.2	1806.3	1814.2	1810.2	1786.7	1747.6	1681.0	1563.4
60°	1445.9	1445.9	1457.6	1469.4	1465.4	1469.4	1469.4	1457.6	1418.5	1363.6	1269.6
62.5°	1144.1	1155.9	1148.0	1155.9	1171.5	1155.9	1148.0	1140.2	1112.8	1077.5	999.1
65°	865.9	873.8	873.8	877.7	869.8	873.8	858.2	846.4	830.7	791.6	740.6
67.5°	658.3	658.3	658.3	658.3	654.3	650.4	646.6	634.8	607.4	591.7	536.7
70°	505.4	481.9	481.9	481.9	481.9	485.9	474.2	458.5	450.6	423.2	384.0
72.5°	336.9	344.8	336.9	336.9	329.2	333.0	317.4	309.5	301.8	286.1	262.6
75°	242.9	223.4	231.1	235.1	223.4	231.1	215.5	199.8	199.8	188.1	176.3
77.5°	156.8	152.9	156.8	160.6	156.8	152.9	145.0	137.1	137.1	133.2	121.4
80°	113.7	109.7	109.7	109.7	105.8	109.7	101.9	101.9	94.0	90.2	82.3
82.5°	74.5	74.5	70.5	74.5	70.5	74.5	62.7	62.7	62.7	58.7	51.0
85°	51.0	43.1	43.1	47.1	39.2	47.1	43.1	39.2	35.3	35.3	31.3
87.5°	23.5	27.4	23.5	27.4	23.5	23.5	27.4	23.5	23.5	15.6	15.6
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°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	7985.4	7989.3	7989.3	8005.1	8012.8	8016.7	8016.7	8048.2	8036.4	8044.3	8052.0
5°	7871.9	7895.3	7903.2	7903.2	7946.2	7961.9	7977.5	8012.8	8016.7	8040.3	8067.7
7.5°	7762.1	7789.5	7805.3	7840.4	7867.9	7895.3	7942.4	7965.9	7989.3	8020.7	8055.9
10°	7656.3	7687.7	7719.0	7746.4	7789.5	7824.8	7856.1	7910.9	7938.5	7981.6	8028.5
12.5°	7554.5	7597.5	7625.0	7671.9	7719.0	7750.3	7797.4	7848.3	7891.4	7934.5	7989.3
15°	7464.3	7515.3	7546.6	7597.5	7648.5	7691.6	7742.5	7805.3	7836.6	7887.5	7938.5
17.5°	7366.3	7421.3	7460.5	7507.4	7570.1	7617.1	7660.3	7722.9	7762.1	7816.9	7875.8
20°	7264.5	7319.3	7366.3	7413.4	7476.1	7523.0	7574.0	7636.7	7679.8	7734.6	7781.7
22.5°	7143.1	7194.0	7244.8	7299.7	7362.4	7401.6	7460.5	7515.3	7562.2	7613.2	7660.3
25°	6986.3	7049.0	7088.2	7139.0	7190.0	7233.1	7295.8	7350.6	7389.8	7436.9	7480.0
27.5°	6802.1	6849.2	6880.5	6923.6	6974.5	7013.7	7060.6	7115.6	7154.8	7197.9	7229.2
30°	6488.6	6531.8	6559.2	6590.5	6641.5	6676.8	6716.0	6766.8	6794.2	6825.7	6853.1
32.5°	6077.2	6112.5	6128.1	6151.7	6187.0	6222.2	6253.6	6296.7	6308.4	6328.0	6328.0
35°	5481.7	5489.5	5485.6	5493.5	5509.1	5528.7	5556.1	5583.5	5599.1	5599.1	5587.5
37.5°	4784.2	4737.3	4686.3	4647.1	4635.3	4627.4	4643.2	4654.8	4670.6	4678.4	4658.9
40°	4059.4	3953.6	3839.9	3738.0	3667.5	3636.2	3624.4	3632.2	3632.2	3659.6	3659.6
42.5°	3436.4	3271.7	3103.3	2950.4	2848.5	2770.3	2735.0	2735.0	2738.8	2758.5	2770.3
45°	2919.2	2711.4	2515.5	2347.1	2206.0	2104.1	2057.1	2045.3	2041.5	2049.2	2076.6
47.5°	2523.4	2307.9	2104.1	1896.5	1747.6	1645.7	1602.6	1586.8	1571.2	1586.8	1590.9
50°	2213.9	1990.5	1775.0	1567.3	1410.5	1320.4	1265.6	1242.0	1238.1	1238.1	1246.0
52.5°	1931.6	1724.1	1508.6	1297.0	1132.3	1046.2	995.3	983.5	967.8	983.5	983.5
55°	1665.2	1457.6	1246.0	1046.2	909.0	819.0	771.9	756.2	748.3	760.1	760.1
57.5°	1375.4	1199.0	1003.2	822.8	685.8	623.0	587.7	568.2	564.2	572.1	564.2
60°	1128.5	979.6	811.1	646.6	540.8	474.2	446.7	438.8	430.9	438.8	438.8
62.5°	893.3	768.0	630.8	505.4	415.3	368.4	336.9	336.9	333.0	333.0	336.9
65°	662.2	564.2	466.3	360.5	290.0	254.7	231.1	231.1	227.2	231.1	227.2
67.5°	481.9	415.3	336.9	262.6	207.7	188.1	172.4	160.6	168.5	160.6	156.8
70°	352.7	297.7	242.9	199.8	160.6	141.1	129.3	125.3	117.6	117.6	117.6
72.5°	235.1	199.8	164.5	129.3	105.8	86.1	82.3	74.5	66.6	70.5	78.4
75°	156.8	133.2	117.6	94.0	70.5	70.5	47.1	47.1	39.2	47.1	35.3
77.5°	109.7	90.2	70.5	58.7	47.1	43.1	31.3	31.3	27.4	27.4	27.4
80°	78.4	66.6	51.0	43.1	31.3	31.3	27.4	23.5	19.5	19.5	23.5
82.5°	47.1	35.3	35.3	31.3	19.5	15.6	11.8	15.6	7.9	7.9	7.9
85°	27.4	23.5	19.5	11.8	7.9	7.9	3.9	0.0	3.9	3.9	0.0
87.5°	15.6	7.9	7.9	3.9	0.0	3.9	3.9	0.0	0.0	0.0	7.9
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°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	8071.7	8067.7	8075.6	8075.6	8099.1	8095.1	8106.9	8106.9	8099.1	8103.0	8118.6
5°	8099.1	8110.9	8134.3	8154.0	8189.1	8204.9	8224.4	8244.1	8248.0	8259.8	8271.5
7.5°	8099.1	8138.3	8165.7	8200.9	8248.0	8275.4	8318.5	8353.8	8369.4	8388.9	8412.5
10°	8083.3	8122.5	8173.5	8212.7	8271.5	8314.6	8357.7	8412.5	8436.0	8467.3	8498.8
12.5°	8052.0	8095.1	8149.9	8200.9	8267.5	8306.7	8361.5	8412.5	8447.8	8490.9	8526.2
15°	8005.1	8055.9	8106.9	8157.8	8228.3	8275.4	8326.4	8385.1	8420.4	8467.3	8498.8
17.5°	7930.6	7985.4	8032.5	8079.4	8146.1	8200.9	8248.0	8302.8	8338.1	8377.3	8420.4
20°	7840.4	7891.4	7942.4	7981.6	8048.2	8095.1	8146.1	8197.0	8224.4	8232.3	8299.0
22.5°	7726.9	7762.1	7801.2	7864.0	7903.2	7946.2	7993.3	8040.3	8067.7	8110.9	8134.3
25°	7538.7	7574.0	7617.1	7644.5	7691.6	7726.9	7773.8	7824.8	7840.4	7871.9	7895.3
27.5°	7276.3	7295.8	7315.5	7338.9	7366.3	7385.9	7413.4	7436.9	7452.6	7468.2	7483.8
30°	6860.8	6860.8	6860.8	6845.2	6857.0	6868.7	6872.6	6868.7	6868.7	6864.9	6864.9
32.5°	6312.3	6281.0	6245.7	6214.4	6202.6	6187.0	6179.1	6167.3	6147.8	6136.0	6139.9
35°	5571.7	5501.2	5458.2	5419.0	5387.7	5364.2	5352.4	5340.6	5336.7	5321.1	5305.3
37.5°	4647.1	4596.1	4564.9	4541.3	4513.9	4490.3	4494.2	4498.2	4509.9	4502.1	4506.0
40°	3667.5	3655.7	3667.5	3640.1	3632.2	3640.1	3659.6	3687.2	3702.8	3718.5	3745.9
42.5°	2789.8	2809.3	2836.9	2836.9	2848.5	2864.3	2887.7	2930.9	2954.3	2981.7	3013.2
45°	2100.2	2123.7	2159.0	2170.7	2178.6	2198.1	2225.7	2260.8	2276.5	2300.0	2327.4
47.5°	1618.3	1633.9	1653.4	1673.1	1692.6	1700.5	1727.9	1727.9	1747.6	1763.3	1771.0
50°	1261.7	1277.3	1293.0	1304.7	1312.7	1324.4	1332.2	1343.9	1347.8	1355.7	1359.6
52.5°	987.4	1007.0	1007.0	1014.8	1026.5	1038.3	1034.4	1038.3	1042.2	1042.2	1054.0
55°	771.9	771.9	783.7	783.7	791.6	787.5	791.6	791.6	791.6	791.6	795.4
57.5°	575.9	580.0	591.7	583.8	580.0	587.7	580.0	587.7	583.8	591.7	580.0
60°	442.7	442.7	446.7	446.7	450.6	450.6	450.6	446.7	446.7	442.7	442.7
62.5°	333.0	336.9	340.9	336.9	336.9	336.9	333.0	333.0	329.2	325.1	325.1
65°	223.4	219.5	227.2	219.5	223.4	223.4	219.5	223.4	211.6	215.5	211.6
67.5°	160.6	156.8	152.9	156.8	152.9	148.9	148.9	152.9	156.8	145.0	145.0
70°	105.8	109.7	105.8	109.7	113.7	113.7	109.7	105.8	109.7	101.9	105.8
72.5°	66.6	66.6	66.6	66.6	66.6	70.5	70.5	70.5	62.7	62.7	58.7
75°	31.3	43.1	35.3	31.3	43.1	43.1	39.2	39.2	35.3	35.3	35.3
77.5°	31.3	23.5	23.5	23.5	23.5	23.5	23.5	23.5	19.5	23.5	19.5
80°	15.6	15.6	15.6	11.8	15.6	15.6	19.5	15.6	15.6	11.8	19.5
82.5°	7.9	7.9	7.9	0.0	3.9	7.9	7.9	3.9	7.9	7.9	3.9
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: P248648

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	8114.8	8110.9	8114.8	8118.6	8114.8	8110.9	8114.8	8118.6	8103.0	8099.1	8106.9
5°	8287.2	8287.2	8294.9	8299.0	8294.9	8287.2	8287.2	8271.5	8259.8	8248.0	8244.1
7.5°	8436.0	8443.9	8451.7	8455.6	8451.7	8443.9	8436.0	8412.5	8388.9	8369.4	8353.8
10°	8526.2	8538.0	8553.6	8561.4	8553.6	8538.0	8526.2	8498.8	8467.3	8436.0	8412.5
12.5°	8565.4	8577.2	8596.7	8592.8	8596.7	8577.2	8565.4	8526.2	8490.9	8447.8	8412.5
15°	8538.0	8553.6	8573.1	8581.0	8573.1	8553.6	8538.0	8498.8	8467.3	8420.4	8385.1
17.5°	8451.7	8475.2	8487.0	8498.8	8487.0	8475.2	8451.7	8420.4	8377.3	8338.1	8302.8
20°	8334.1	8349.9	8365.6	8369.4	8365.6	8349.9	8334.1	8299.0	8232.3	8224.4	8197.0
22.5°	8165.7	8177.5	8212.7	8200.9	8212.7	8177.5	8165.7	8134.3	8110.9	8067.7	8040.3
25°	7922.7	7934.5	7938.5	7942.4	7938.5	7934.5	7922.7	7895.3	7871.9	7840.4	7824.8
27.5°	7503.5	7503.5	7511.3	7515.3	7511.3	7503.5	7503.5	7483.8	7468.2	7452.6	7436.9
30°	6868.7	6868.7	6868.7	6888.4	6868.7	6868.7	6868.7	6864.9	6864.9	6868.7	6868.7
32.5°	6136.0	6128.1	6120.4	6128.1	6120.4	6128.1	6136.0	6139.9	6136.0	6147.8	6167.3
35°	5305.3	5301.4	5313.2	5297.5	5313.2	5301.4	5305.3	5305.3	5321.1	5336.7	5340.6
37.5°	4509.9	4502.1	4517.8	4502.1	4517.8	4502.1	4509.9	4506.0	4502.1	4509.9	4498.2
40°	3753.8	3761.5	3761.5	3793.0	3761.5	3761.5	3753.8	3745.9	3718.5	3702.8	3687.2
42.5°	3028.8	3052.4	3044.5	3068.0	3044.5	3052.4	3028.8	3013.2	2981.7	2954.3	2930.9
45°	2343.1	2358.9	2358.9	2366.6	2358.9	2358.9	2343.1	2327.4	2300.0	2276.5	2260.8
47.5°	1798.4	1798.4	1798.4	1802.5	1798.4	1798.4	1798.4	1771.0	1763.3	1747.6	1727.9
50°	1367.5	1371.4	1375.4	1379.3	1375.4	1371.4	1367.5	1359.6	1355.7	1347.8	1343.9
52.5°	1050.1	1054.0	1046.2	1054.0	1046.2	1054.0	1050.1	1054.0	1042.2	1042.2	1038.3
55°	795.4	791.6	795.4	799.3	795.4	791.6	795.4	795.4	791.6	791.6	791.6
57.5°	583.8	575.9	575.9	575.9	575.9	575.9	583.8	580.0	591.7	583.8	587.7
60°	435.0	438.8	438.8	442.7	438.8	438.8	435.0	442.7	442.7	446.7	446.7
62.5°	321.3	333.0	325.1	333.0	325.1	333.0	321.3	325.1	325.1	329.2	333.0
65°	207.7	207.7	207.7	211.6	207.7	207.7	207.7	211.6	215.5	211.6	223.4
67.5°	141.1	145.0	152.9	148.9	152.9	145.0	141.1	145.0	145.0	156.8	152.9
70°	113.7	101.9	101.9	113.7	101.9	101.9	113.7	105.8	101.9	109.7	105.8
72.5°	66.6	58.7	66.6	66.6	66.6	58.7	66.6	58.7	62.7	62.7	70.5
75°	35.3	31.3	27.4	39.2	27.4	31.3	35.3	35.3	35.3	35.3	39.2
77.5°	23.5	19.5	27.4	27.4	27.4	19.5	23.5	19.5	23.5	19.5	23.5
80°	11.8	15.6	11.8	19.5	11.8	15.6	11.8	19.5	11.8	15.6	15.6
82.5°	3.9	7.9	7.9	7.9	7.9	7.9	3.9	3.9	7.9	7.9	3.9
85°	0.0	7.9	3.9	3.9	3.9	7.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	0.0	0.0	3.9	0.0	0.0	3.9	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: P248648

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	8106.9	8095.1	8099.1	8075.6	8075.6	8067.7	8071.7	8052.0	8044.3	8036.4	8048.2
5°	8224.4	8204.9	8189.1	8154.0	8134.3	8110.9	8099.1	8067.7	8040.3	8016.7	8012.8
7.5°	8318.5	8275.4	8248.0	8200.9	8165.7	8138.3	8099.1	8055.9	8020.7	7989.3	7965.9
10°	8357.7	8314.6	8271.5	8212.7	8173.5	8122.5	8083.3	8028.5	7981.6	7938.5	7910.9
12.5°	8361.5	8306.7	8267.5	8200.9	8149.9	8095.1	8052.0	7989.3	7934.5	7891.4	7848.3
15°	8326.4	8275.4	8228.3	8157.8	8106.9	8055.9	8005.1	7938.5	7887.5	7836.6	7805.3
17.5°	8248.0	8200.9	8146.1	8079.4	8032.5	7985.4	7930.6	7875.8	7816.9	7762.1	7722.9
20°	8146.1	8095.1	8048.2	7981.6	7942.4	7891.4	7840.4	7781.7	7734.6	7679.8	7636.7
22.5°	7993.3	7946.2	7903.2	7864.0	7801.2	7762.1	7726.9	7660.3	7613.2	7562.2	7515.3
25°	7773.8	7726.9	7691.6	7644.5	7617.1	7574.0	7538.7	7480.0	7436.9	7389.8	7350.6
27.5°	7413.4	7385.9	7366.3	7338.9	7315.5	7295.8	7276.3	7229.2	7197.9	7154.8	7115.6
30°	6872.6	6868.7	6857.0	6845.2	6860.8	6860.8	6860.8	6853.1	6825.7	6794.2	6766.8
32.5°	6179.1	6187.0	6202.6	6214.4	6245.7	6281.0	6312.3	6328.0	6328.0	6308.4	6296.7
35°	5352.4	5364.2	5387.7	5419.0	5458.2	5501.2	5571.7	5587.5	5599.1	5599.1	5583.5
37.5°	4494.2	4490.3	4513.9	4541.3	4564.9	4596.1	4647.1	4658.9	4678.4	4670.6	4654.8
40°	3659.6	3640.1	3632.2	3640.1	3667.5	3655.7	3667.5	3659.6	3659.6	3632.2	3632.2
42.5°	2887.7	2864.3	2848.5	2836.9	2836.9	2809.3	2789.8	2770.3	2758.5	2738.8	2735.0
45°	2225.7	2198.1	2178.6	2170.7	2159.0	2123.7	2100.2	2076.6	2049.2	2041.5	2045.3
47.5°	1727.9	1700.5	1692.6	1673.1	1653.4	1633.9	1618.3	1590.9	1586.8	1571.2	1586.8
50°	1332.2	1324.4	1312.7	1304.7	1293.0	1277.3	1261.7	1246.0	1238.1	1238.1	1242.0
52.5°	1034.4	1038.3	1026.5	1014.8	1007.0	1007.0	987.4	983.5	983.5	967.8	983.5
55°	791.6	787.5	791.6	783.7	783.7	771.9	771.9	760.1	760.1	748.3	756.2
57.5°	580.0	587.7	580.0	583.8	591.7	580.0	575.9	564.2	572.1	564.2	568.2
60°	450.6	450.6	450.6	446.7	446.7	442.7	442.7	438.8	438.8	430.9	438.8
62.5°	333.0	336.9	336.9	336.9	340.9	336.9	333.0	336.9	333.0	333.0	336.9
65°	219.5	223.4	223.4	219.5	227.2	219.5	223.4	227.2	231.1	227.2	231.1
67.5°	148.9	148.9	152.9	156.8	152.9	156.8	160.6	156.8	160.6	168.5	160.6
70°	109.7	113.7	113.7	109.7	105.8	109.7	105.8	117.6	117.6	117.6	125.3
72.5°	70.5	70.5	66.6	66.6	66.6	66.6	66.6	78.4	70.5	66.6	74.5
75°	39.2	43.1	43.1	31.3	35.3	43.1	31.3	35.3	47.1	39.2	47.1
77.5°	23.5	23.5	23.5	23.5	23.5	23.5	31.3	27.4	27.4	27.4	31.3
80°	19.5	15.6	15.6	11.8	15.6	15.6	15.6	23.5	19.5	19.5	23.5
82.5°	7.9	7.9	3.9	0.0	7.9	7.9	7.9	7.9	7.9	7.9	15.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	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: P248648

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSWOH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	8016.7	8016.7	8012.8	8005.1	7989.3	7989.3	7985.4	7973.7	7965.9	7961.9	7961.9
5°	7977.5	7961.9	7946.2	7903.2	7903.2	7895.3	7871.9	7856.1	7848.3	7828.7	7820.9
7.5°	7942.4	7895.3	7867.9	7840.4	7805.3	7789.5	7762.1	7750.3	7722.9	7703.3	7691.6
10°	7856.1	7824.8	7789.5	7746.4	7719.0	7687.7	7656.3	7632.9	7597.5	7577.9	7562.2
12.5°	7797.4	7750.3	7719.0	7671.9	7625.0	7597.5	7554.5	7527.1	7491.7	7452.6	7429.0
15°	7742.5	7691.6	7648.5	7597.5	7546.6	7515.3	7464.3	7433.0	7382.1	7342.9	7315.5
17.5°	7660.3	7617.1	7570.1	7507.4	7460.5	7421.3	7366.3	7327.2	7280.1	7229.2	7201.8
20°	7574.0	7523.0	7476.1	7413.4	7366.3	7319.3	7264.5	7221.4	7166.4	7119.5	7088.2
22.5°	7460.5	7401.6	7362.4	7299.7	7244.8	7194.0	7143.1	7092.1	7041.1	7001.9	6966.6
25°	7295.8	7233.1	7190.0	7139.0	7088.2	7049.0	6986.3	6955.0	6904.0	6868.7	6833.4
27.5°	7060.6	7013.7	6974.5	6923.6	6880.5	6849.2	6802.1	6770.8	6727.6	6696.3	6668.9
30°	6716.0	6676.8	6641.5	6590.5	6559.2	6531.8	6488.6	6461.2	6429.9	6394.6	6386.8
32.5°	6253.6	6222.2	6187.0	6151.7	6128.1	6112.5	6077.2	6061.5	6030.2	6010.6	5991.0
35°	5556.1	5528.7	5509.1	5493.5	5485.6	5489.5	5481.7	5497.4	5505.1	5501.2	5505.1
37.5°	4643.2	4627.4	4635.3	4647.1	4686.3	4737.3	4784.2	4854.7	4901.8	4948.9	4991.9
40°	3624.4	3636.2	3667.5	3738.0	3839.9	3953.6	4059.4	4192.6	4325.8	4419.9	4506.0
42.5°	2735.0	2770.3	2848.5	2950.4	3103.3	3271.7	3436.4	3632.2	3793.0	3949.6	4059.4
45°	2057.1	2104.1	2206.0	2347.1	2515.5	2711.4	2919.2	3138.5	3330.6	3491.2	3612.7
47.5°	1602.6	1645.7	1747.6	1896.5	2104.1	2307.9	2523.4	2750.6	2950.4	3107.2	3213.0
50°	1265.6	1320.4	1410.5	1567.3	1775.0	1990.5	2213.9	2437.1	2625.3	2758.5	2852.5
52.5°	995.3	1046.2	1132.3	1297.0	1508.6	1724.1	1931.6	2151.1	2315.6	2445.0	2507.7
55°	771.9	819.0	909.0	1046.2	1246.0	1457.6	1665.2	1853.4	2006.2	2100.2	2159.0
57.5°	587.7	623.0	685.8	822.8	1003.2	1199.0	1375.4	1563.4	1681.0	1747.6	1786.7
60°	446.7	474.2	540.8	646.6	811.1	979.6	1128.5	1269.6	1363.6	1418.5	1457.6
62.5°	336.9	368.4	415.3	505.4	630.8	768.0	893.3	999.1	1077.5	1112.8	1140.2
65°	231.1	254.7	290.0	360.5	466.3	564.2	662.2	740.6	791.6	830.7	846.4
67.5°	172.4	188.1	207.7	262.6	336.9	415.3	481.9	536.7	591.7	607.4	634.8
70°	129.3	141.1	160.6	199.8	242.9	297.7	352.7	384.0	423.2	450.6	458.5
72.5°	82.3	86.1	105.8	129.3	164.5	199.8	235.1	262.6	286.1	301.8	309.5
75°	47.1	70.5	70.5	94.0	117.6	133.2	156.8	176.3	188.1	199.8	199.8
77.5°	31.3	43.1	47.1	58.7	70.5	90.2	109.7	121.4	133.2	137.1	137.1
80°	27.4	31.3	31.3	43.1	51.0	66.6	78.4	82.3	90.2	94.0	101.9
82.5°	11.8	15.6	19.5	31.3	35.3	35.3	47.1	51.0	58.7	62.7	62.7
85°	3.9	7.9	7.9	11.8	19.5	23.5	27.4	31.3	35.3	35.3	39.2
87.5°	3.9	3.9	0.0	3.9	7.9	7.9	15.6	15.6	15.6	23.5	23.5
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: P248648

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6	8024.6
2.5°	7954.1	7958.0	7942.4	7938.5	7930.6	7934.5	7942.4
5°	7809.1	7813.0	7797.4	7781.7	7781.7	7777.7	7781.7
7.5°	7671.9	7675.9	7652.4	7644.5	7628.8	7632.9	7632.9
10°	7534.8	7534.8	7499.7	7495.6	7483.8	7480.0	7480.0
12.5°	7401.6	7389.8	7362.4	7346.8	7354.7	7331.1	7331.1
15°	7284.0	7264.5	7229.2	7217.4	7197.9	7190.0	7190.0
17.5°	7162.6	7146.9	7115.6	7092.1	7068.6	7064.7	7068.6
20°	7045.0	7029.4	6990.2	6974.5	6955.0	6955.0	6947.1
22.5°	6927.4	6911.8	6876.6	6864.9	6837.4	6837.4	6841.3
25°	6806.0	6794.2	6755.0	6747.3	6743.4	6727.6	6735.5
27.5°	6641.5	6633.6	6602.3	6590.5	6574.9	6571.0	6578.7
30°	6339.7	6328.0	6304.6	6292.8	6265.4	6269.3	6277.0
32.5°	5963.6	5948.0	5916.5	5904.8	5881.4	5873.5	5877.3
35°	5493.5	5481.7	5454.3	5454.3	5430.8	5422.9	5430.8
37.5°	5015.5	5027.1	5015.5	5027.1	5015.5	5011.4	5015.5
40°	4564.9	4607.9	4615.7	4658.9	4643.2	4666.6	4662.7
42.5°	4133.8	4204.2	4231.8	4267.0	4259.2	4274.9	4286.6
45°	3698.8	3757.6	3785.1	3808.6	3812.5	3820.4	3824.3
47.5°	3287.4	3334.5	3338.3	3365.7	3361.9	3361.9	3373.6
50°	2903.5	2934.8	2942.5	2962.2	2946.6	2938.7	2942.5
52.5°	2546.9	2578.2	2570.3	2578.2	2558.7	2550.8	2554.7
55°	2182.4	2198.1	2198.1	2198.1	2174.7	2174.7	2174.7
57.5°	1810.2	1814.2	1806.3	1810.2	1806.3	1782.8	1778.9
60°	1469.4	1469.4	1465.4	1469.4	1457.6	1445.9	1445.9
62.5°	1148.0	1155.9	1171.5	1155.9	1148.0	1155.9	1144.1
65°	858.2	873.8	869.8	877.7	873.8	873.8	865.9
67.5°	646.6	650.4	654.3	658.3	658.3	658.3	658.3
70°	474.2	485.9	481.9	481.9	481.9	481.9	505.4
72.5°	317.4	333.0	329.2	336.9	336.9	344.8	336.9
75°	215.5	231.1	223.4	235.1	231.1	223.4	242.9
77.5°	145.0	152.9	156.8	160.6	156.8	152.9	156.8
80°	101.9	109.7	105.8	109.7	109.7	109.7	113.7
82.5°	62.7	74.5	70.5	74.5	70.5	74.5	74.5
85°	43.1	47.1	39.2	47.1	43.1	43.1	51.0
87.5°	27.4	23.5	23.5	27.4	23.5	27.4	23.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)