

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: P249080

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249080
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 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13375.0 lumens
Efficiency: N/A
Efficacy: 75.5 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

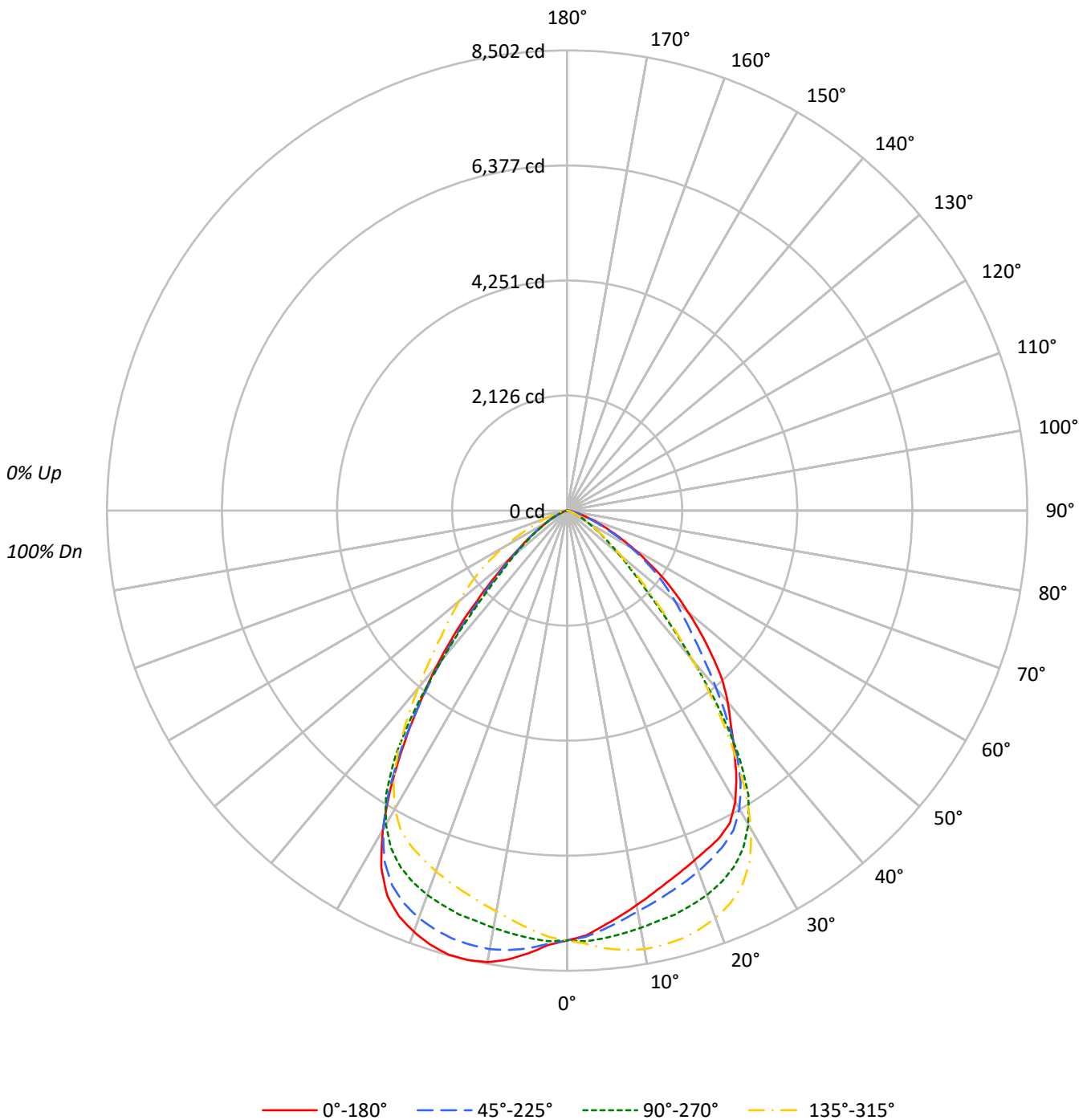
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	755.8	5.7
10°-20°	2188.6	16.4
20°-30°	3314.0	24.8
30°-40°	3321.4	24.8
40°-50°	2085.7	15.6
50°-60°	1111.4	8.3
60°-70°	457.0	3.4
70°-80°	120.7	0.9
80°-90°	20.4	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°	6258.3	46.8
0°-40°	9579.7	71.6
0°-60°	12776.8	95.5
0°-90°	13375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13375.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7940	7940	7940	7940	7940	
5°	7700	7929	8212	7929	7700	726
15°	7114	7723	8491	7723	7114	2012
25°	6665	7273	7859	7273	6665	3057
35°	5374	5525	5242	5525	5374	3367
45°	3784	2024	2342	2024	3784	2910
55°	2152	748	791	748	2152	1918
65°	857	229	209	229	857	889
75°	240	47	39	47	240	272
85°	50	0	4	0	50	55
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°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	7858.9	7851.1	7847.3	7855.1	7858.9	7874.4	7870.6	7878.2	7878.2	7882.2	7889.9
5°	7700.0	7696.0	7700.0	7700.0	7715.5	7730.9	7727.1	7738.8	7746.4	7765.9	7773.5
7.5°	7552.7	7552.7	7548.7	7564.2	7572.0	7595.3	7591.3	7610.8	7622.4	7641.7	7668.9
10°	7401.4	7401.4	7405.2	7416.9	7420.9	7455.7	7455.7	7482.8	7498.3	7517.7	7552.7
12.5°	7254.1	7254.1	7277.4	7269.6	7285.1	7312.2	7323.8	7351.0	7374.3	7413.0	7448.0
15°	7114.5	7114.5	7122.3	7141.6	7153.2	7188.2	7207.5	7238.6	7265.7	7304.5	7355.0
17.5°	6994.3	6990.5	6994.3	7017.6	7040.9	7071.9	7087.3	7126.1	7153.2	7203.7	7250.3
20°	6874.1	6881.9	6881.9	6901.3	6916.7	6955.5	6971.0	7013.8	7044.7	7091.2	7145.6
22.5°	6769.4	6765.6	6765.6	6792.7	6804.4	6839.2	6854.7	6893.4	6928.4	6967.2	7017.6
25°	6664.8	6656.9	6672.6	6676.4	6684.1	6722.8	6734.5	6761.6	6796.6	6831.5	6881.9
27.5°	6509.6	6502.0	6505.8	6521.3	6532.9	6563.9	6571.7	6598.8	6626.0	6656.9	6699.7
30°	6211.1	6203.4	6199.6	6226.7	6238.3	6261.5	6273.1	6319.7	6327.4	6362.3	6393.3
32.5°	5815.6	5811.8	5819.6	5842.7	5854.4	5885.5	5901.0	5928.1	5947.4	5966.9	5997.8
35°	5373.7	5365.9	5373.7	5397.0	5397.0	5424.1	5435.8	5447.3	5443.4	5447.3	5439.6
37.5°	4962.8	4958.8	4962.8	4974.3	4962.8	4974.3	4962.8	4939.5	4896.9	4850.3	4803.7
40°	4613.8	4617.6	4594.5	4609.9	4567.2	4559.5	4516.9	4458.6	4373.4	4280.4	4148.6
42.5°	4241.6	4230.0	4214.5	4222.1	4187.4	4160.1	4090.3	4016.8	3908.1	3753.1	3594.0
45°	3784.1	3780.3	3772.4	3768.6	3745.3	3718.2	3659.9	3574.7	3454.5	3295.6	3105.5
47.5°	3338.2	3326.6	3326.6	3330.4	3303.3	3299.4	3252.8	3179.3	3074.6	2919.4	2721.7
50°	2911.6	2907.8	2915.6	2931.1	2911.6	2904.0	2873.0	2822.6	2729.5	2597.7	2411.5
52.5°	2527.8	2524.0	2531.8	2551.1	2543.3	2551.1	2520.2	2481.4	2419.3	2291.3	2128.5
55°	2151.8	2151.8	2151.8	2175.0	2175.0	2175.0	2159.5	2136.4	2078.1	1985.1	1834.0
57.5°	1760.2	1764.1	1787.4	1791.2	1787.4	1795.2	1791.2	1767.9	1729.3	1663.4	1547.0
60°	1430.7	1430.7	1442.3	1454.0	1450.0	1454.0	1454.0	1442.3	1403.6	1349.3	1256.3
62.5°	1132.1	1143.7	1135.9	1143.7	1159.2	1143.7	1135.9	1128.3	1101.1	1066.2	988.6
65°	856.8	864.6	864.6	868.5	860.6	864.6	849.2	837.5	822.0	783.2	732.8
67.5°	651.4	651.4	651.4	651.4	647.4	643.6	639.8	628.1	601.0	585.5	531.1
70°	500.1	476.8	476.8	476.8	476.8	480.8	469.2	453.7	445.9	418.8	380.0
72.5°	333.4	341.2	333.4	333.4	325.7	329.5	314.1	306.2	298.6	283.1	259.8
75°	240.3	221.0	228.7	232.7	221.0	228.7	213.2	197.7	197.7	186.1	174.4
77.5°	155.1	151.3	155.1	158.9	155.1	151.3	143.5	135.6	135.6	131.8	120.2
80°	112.5	108.5	108.5	108.5	104.7	108.5	100.9	100.9	93.0	89.2	81.4
82.5°	73.7	73.7	69.7	73.7	69.7	73.7	62.1	62.1	62.1	58.1	50.4
85°	50.4	42.6	42.6	46.6	38.8	46.6	42.6	38.8	34.9	34.9	31.0
87.5°	23.3	27.1	23.3	27.1	23.3	23.3	27.1	23.3	23.3	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	7901.5	7905.4	7905.4	7921.0	7928.7	7932.5	7932.5	7963.6	7952.0	7959.8	7967.4
5°	7789.2	7812.3	7820.1	7820.1	7862.8	7878.2	7893.7	7928.7	7932.5	7955.8	7982.9
7.5°	7680.5	7707.6	7723.3	7758.1	7785.2	7812.3	7858.9	7882.2	7905.4	7936.5	7971.3
10°	7575.8	7606.9	7637.9	7665.0	7707.6	7742.6	7773.5	7827.8	7855.1	7897.7	7944.1
12.5°	7475.1	7517.7	7544.9	7591.3	7637.9	7668.9	7715.5	7765.9	7808.5	7851.1	7905.4
15°	7385.9	7436.3	7467.3	7517.7	7568.2	7610.8	7661.2	7723.3	7754.2	7804.7	7855.1
17.5°	7288.9	7343.3	7382.1	7428.5	7490.6	7537.0	7579.8	7641.7	7680.5	7734.8	7793.0
20°	7188.2	7242.4	7288.9	7335.5	7397.6	7444.0	7494.4	7556.5	7599.1	7653.4	7700.0
22.5°	7068.0	7118.5	7168.7	7223.0	7285.1	7323.8	7382.1	7436.3	7482.8	7533.2	7579.8
25°	6912.9	6975.0	7013.8	7064.0	7114.5	7157.1	7219.1	7273.4	7312.2	7358.8	7401.4
27.5°	6730.7	6777.3	6808.2	6850.8	6901.3	6940.0	6986.5	7040.9	7079.7	7122.3	7153.2
30°	6420.4	6463.2	6490.3	6521.3	6571.7	6606.7	6645.4	6695.7	6722.8	6754.0	6781.1
32.5°	6013.3	6048.3	6063.8	6087.1	6122.0	6156.8	6187.9	6230.5	6242.2	6261.5	6261.5
35°	5424.1	5431.8	5428.0	5435.8	5451.3	5470.6	5497.7	5524.8	5540.3	5540.3	5528.8
37.5°	4733.9	4687.5	4637.1	4598.3	4586.6	4578.8	4594.5	4605.9	4621.6	4629.2	4609.9
40°	4016.8	3912.1	3799.6	3698.7	3629.0	3598.0	3586.4	3594.0	3594.0	3621.1	3621.1
42.5°	3400.3	3237.3	3070.7	2919.4	2818.6	2741.2	2706.2	2706.2	2710.1	2729.5	2741.2
45°	2888.5	2682.9	2489.0	2322.4	2182.8	2081.9	2035.5	2023.9	2020.0	2027.7	2054.8
47.5°	2496.9	2283.7	2081.9	1876.6	1729.3	1628.4	1585.8	1570.2	1554.7	1570.2	1574.1
50°	2190.6	1969.6	1756.4	1550.8	1395.7	1306.5	1252.3	1229.0	1225.1	1225.1	1233.0
52.5°	1911.4	1706.0	1492.8	1283.4	1120.4	1035.2	984.8	973.1	957.7	973.1	973.1
55°	1647.7	1442.3	1233.0	1035.2	899.4	810.4	763.8	748.3	740.5	752.1	752.1
57.5°	1360.9	1186.4	992.6	814.2	678.6	616.5	581.5	562.2	558.2	566.0	558.2
60°	1116.6	969.3	802.6	639.8	535.1	469.2	442.1	434.2	426.4	434.2	434.2
62.5°	883.9	759.9	624.1	500.1	410.9	364.5	333.4	333.4	329.5	329.5	333.4
65°	655.3	558.2	461.4	356.7	286.9	252.0	228.7	228.7	224.9	228.7	224.9
67.5°	476.8	410.9	333.4	259.8	205.5	186.1	170.6	158.9	166.8	158.9	155.1
70°	349.0	294.6	240.3	197.7	158.9	139.6	128.0	124.0	116.3	116.3	116.3
72.5°	232.7	197.7	162.8	128.0	104.7	85.2	81.4	73.7	65.9	69.7	77.6
75°	155.1	131.8	116.3	93.0	69.7	69.7	46.6	46.6	38.8	46.6	34.9
77.5°	108.5	89.2	69.7	58.1	46.6	42.6	31.0	31.0	27.1	27.1	27.1
80°	77.6	65.9	50.4	42.6	31.0	31.0	27.1	23.3	19.3	19.3	23.3
82.5°	46.6	34.9	34.9	31.0	19.3	15.5	11.6	15.5	7.8	7.8	7.8
85°	27.1	23.3	19.3	11.6	7.8	7.8	3.8	0.0	3.8	3.8	0.0
87.5°	15.5	7.8	7.8	3.8	0.0	3.8	3.8	0.0	0.0	0.0	7.8
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°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	7986.9	7982.9	7990.7	7990.7	8014.0	8010.1	8021.7	8021.7	8014.0	8017.9	8033.4
5°	8014.0	8025.7	8048.8	8068.3	8103.1	8118.7	8138.0	8157.5	8161.3	8173.0	8184.6
7.5°	8014.0	8052.8	8080.0	8114.7	8161.3	8188.5	8231.1	8266.0	8281.5	8300.8	8324.1
10°	7998.4	8037.2	8087.6	8126.4	8184.6	8227.2	8269.9	8324.1	8347.4	8378.4	8409.5
12.5°	7967.4	8010.1	8064.3	8114.7	8180.6	8219.4	8273.7	8324.1	8359.1	8401.7	8436.6
15°	7921.0	7971.3	8021.7	8072.1	8141.9	8188.5	8238.9	8297.0	8331.9	8378.4	8409.5
17.5°	7847.3	7901.5	7948.1	7994.6	8060.5	8114.7	8161.3	8215.6	8250.5	8289.3	8331.9
20°	7758.1	7808.5	7858.9	7897.7	7963.6	8010.1	8060.5	8110.9	8138.0	8145.9	8211.8
22.5°	7645.7	7680.5	7719.3	7781.4	7820.1	7862.8	7909.4	7955.8	7982.9	8025.7	8048.8
25°	7459.5	7494.4	7537.0	7564.2	7610.8	7645.7	7692.2	7742.6	7758.1	7789.2	7812.3
27.5°	7199.8	7219.1	7238.6	7261.8	7288.9	7308.4	7335.5	7358.8	7374.3	7389.7	7405.2
30°	6788.7	6788.7	6788.7	6773.3	6784.9	6796.6	6800.4	6796.6	6796.6	6792.7	6792.7
32.5°	6246.0	6215.0	6180.1	6149.1	6137.5	6122.0	6114.2	6102.5	6083.2	6071.6	6075.4
35°	5513.2	5443.4	5400.8	5362.1	5331.1	5307.8	5296.1	5284.5	5280.7	5265.2	5249.6
37.5°	4598.3	4547.9	4516.9	4493.6	4466.5	4443.2	4447.0	4451.0	4462.5	4454.8	4458.6
40°	3629.0	3617.3	3629.0	3601.8	3594.0	3601.8	3621.1	3648.4	3663.9	3679.4	3706.5
42.5°	2760.5	2779.8	2807.1	2807.1	2818.6	2834.2	2857.4	2900.1	2923.3	2950.4	2981.5
45°	2078.1	2101.4	2136.4	2147.9	2155.7	2175.0	2202.3	2237.1	2252.5	2275.8	2303.0
47.5°	1601.3	1616.8	1636.1	1655.5	1674.8	1682.7	1709.8	1709.8	1729.3	1744.7	1752.4
50°	1248.4	1263.9	1279.4	1291.0	1298.9	1310.5	1318.2	1329.8	1333.7	1341.5	1345.3
52.5°	977.0	996.4	996.4	1004.1	1015.8	1027.4	1023.6	1027.4	1031.2	1031.2	1042.9
55°	763.8	763.8	775.4	775.4	783.2	779.3	783.2	783.2	783.2	783.2	787.1
57.5°	569.9	573.9	585.5	577.7	573.9	581.5	573.9	581.5	577.7	585.5	573.9
60°	438.1	438.1	442.1	442.1	445.9	445.9	445.9	442.1	442.1	438.1	438.1
62.5°	329.5	333.4	337.4	333.4	333.4	333.4	329.5	329.5	325.7	321.7	321.7
65°	221.0	217.2	224.9	217.2	221.0	221.0	217.2	221.0	209.4	213.2	209.4
67.5°	158.9	155.1	151.3	155.1	151.3	147.3	147.3	151.3	155.1	143.5	143.5
70°	104.7	108.5	104.7	108.5	112.5	112.5	108.5	104.7	108.5	100.9	104.7
72.5°	65.9	65.9	65.9	65.9	65.9	69.7	69.7	69.7	62.1	62.1	58.1
75°	31.0	42.6	34.9	31.0	42.6	42.6	38.8	38.8	34.9	34.9	34.9
77.5°	31.0	23.3	23.3	23.3	23.3	23.3	23.3	23.3	19.3	23.3	19.3
80°	15.5	15.5	15.5	11.6	15.5	15.5	19.3	15.5	15.5	11.6	19.3
82.5°	7.8	7.8	7.8	0.0	3.8	7.8	7.8	3.8	7.8	7.8	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: P249080

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	8029.5	8025.7	8029.5	8033.4	8029.5	8025.7	8029.5	8033.4	8017.9	8014.0	8021.7
5°	8200.1	8200.1	8207.8	8211.8	8207.8	8200.1	8200.1	8184.6	8173.0	8161.3	8157.5
7.5°	8347.4	8355.2	8362.9	8366.7	8362.9	8355.2	8347.4	8324.1	8300.8	8281.5	8266.0
10°	8436.6	8448.3	8463.8	8471.4	8463.8	8448.3	8436.6	8409.5	8378.4	8347.4	8324.1
12.5°	8475.4	8487.1	8506.4	8502.5	8506.4	8487.1	8475.4	8436.6	8401.7	8359.1	8324.1
15°	8448.3	8463.8	8483.1	8490.9	8483.1	8463.8	8448.3	8409.5	8378.4	8331.9	8297.0
17.5°	8362.9	8386.2	8397.8	8409.5	8397.8	8386.2	8362.9	8331.9	8289.3	8250.5	8215.6
20°	8246.6	8262.2	8277.7	8281.5	8277.7	8262.2	8246.6	8211.8	8145.9	8138.0	8110.9
22.5°	8080.0	8091.6	8126.4	8114.7	8126.4	8091.6	8080.0	8048.8	8025.7	7982.9	7955.8
25°	7839.5	7851.1	7855.1	7858.9	7855.1	7851.1	7839.5	7812.3	7789.2	7758.1	7742.6
27.5°	7424.7	7424.7	7432.4	7436.3	7432.4	7424.7	7424.7	7405.2	7389.7	7374.3	7358.8
30°	6796.6	6796.6	6796.6	6816.0	6796.6	6796.6	6796.6	6792.7	6792.7	6796.6	6796.6
32.5°	6071.6	6063.8	6056.1	6063.8	6056.1	6063.8	6071.6	6075.4	6071.6	6083.2	6102.5
35°	5249.6	5245.7	5257.4	5241.9	5257.4	5245.7	5249.6	5249.6	5265.2	5280.7	5284.5
37.5°	4462.5	4454.8	4470.3	4454.8	4470.3	4454.8	4462.5	4458.6	4454.8	4462.5	4451.0
40°	3714.3	3722.0	3722.0	3753.1	3722.0	3722.0	3714.3	3706.5	3679.4	3663.9	3648.4
42.5°	2997.0	3020.3	3012.5	3035.8	3012.5	3020.3	2997.0	2981.5	2950.4	2923.3	2900.1
45°	2318.5	2334.1	2334.1	2341.8	2334.1	2334.1	2318.5	2303.0	2275.8	2252.5	2237.1
47.5°	1779.5	1779.5	1779.5	1783.5	1779.5	1779.5	1779.5	1752.4	1744.7	1729.3	1709.8
50°	1353.1	1357.0	1360.9	1364.8	1360.9	1357.0	1353.1	1345.3	1341.5	1333.7	1329.8
52.5°	1039.1	1042.9	1035.2	1042.9	1035.2	1042.9	1039.1	1042.9	1031.2	1031.2	1027.4
55°	787.1	783.2	787.1	790.9	787.1	783.2	787.1	787.1	783.2	783.2	783.2
57.5°	577.7	569.9	569.9	569.9	569.9	569.9	577.7	573.9	585.5	577.7	581.5
60°	430.4	434.2	434.2	438.1	434.2	434.2	430.4	438.1	438.1	442.1	442.1
62.5°	317.9	329.5	321.7	329.5	321.7	329.5	317.9	321.7	321.7	325.7	329.5
65°	205.5	205.5	205.5	209.4	205.5	205.5	205.5	209.4	213.2	209.4	221.0
67.5°	139.6	143.5	151.3	147.3	151.3	143.5	139.6	143.5	143.5	155.1	151.3
70°	112.5	100.9	100.9	112.5	100.9	100.9	112.5	104.7	100.9	108.5	104.7
72.5°	65.9	58.1	65.9	65.9	65.9	58.1	65.9	58.1	62.1	62.1	69.7
75°	34.9	31.0	27.1	38.8	27.1	31.0	34.9	34.9	34.9	34.9	38.8
77.5°	23.3	19.3	27.1	27.1	27.1	19.3	23.3	19.3	23.3	19.3	23.3
80°	11.6	15.5	11.6	19.3	11.6	15.5	11.6	19.3	11.6	15.5	15.5
82.5°	3.8	7.8	7.8	7.8	7.8	7.8	3.8	3.8	7.8	7.8	3.8
85°	0.0	7.8	3.8	3.8	3.8	7.8	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: P249080

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	8021.7	8010.1	8014.0	7990.7	7990.7	7982.9	7986.9	7967.4	7959.8	7952.0	7963.6
5°	8138.0	8118.7	8103.1	8068.3	8048.8	8025.7	8014.0	7982.9	7955.8	7932.5	7928.7
7.5°	8231.1	8188.5	8161.3	8114.7	8080.0	8052.8	8014.0	7971.3	7936.5	7905.4	7882.2
10°	8269.9	8227.2	8184.6	8126.4	8087.6	8037.2	7998.4	7944.1	7897.7	7855.1	7827.8
12.5°	8273.7	8219.4	8180.6	8114.7	8064.3	8010.1	7967.4	7905.4	7851.1	7808.5	7765.9
15°	8238.9	8188.5	8141.9	8072.1	8021.7	7971.3	7921.0	7855.1	7804.7	7754.2	7723.3
17.5°	8161.3	8114.7	8060.5	7994.6	7948.1	7901.5	7847.3	7793.0	7734.8	7680.5	7641.7
20°	8060.5	8010.1	7963.6	7897.7	7858.9	7808.5	7758.1	7700.0	7653.4	7599.1	7556.5
22.5°	7909.4	7862.8	7820.1	7781.4	7719.3	7680.5	7645.7	7579.8	7533.2	7482.8	7436.3
25°	7692.2	7645.7	7610.8	7564.2	7537.0	7494.4	7459.5	7401.4	7358.8	7312.2	7273.4
27.5°	7335.5	7308.4	7288.9	7261.8	7238.6	7219.1	7199.8	7153.2	7122.3	7079.7	7040.9
30°	6800.4	6796.6	6784.9	6773.3	6788.7	6788.7	6788.7	6781.1	6754.0	6722.8	6695.7
32.5°	6114.2	6122.0	6137.5	6149.1	6180.1	6215.0	6246.0	6261.5	6261.5	6242.2	6230.5
35°	5296.1	5307.8	5331.1	5362.1	5400.8	5443.4	5513.2	5528.8	5540.3	5540.3	5524.8
37.5°	4447.0	4443.2	4466.5	4493.6	4516.9	4547.9	4598.3	4609.9	4629.2	4621.6	4605.9
40°	3621.1	3601.8	3594.0	3601.8	3629.0	3617.3	3629.0	3621.1	3621.1	3594.0	3594.0
42.5°	2857.4	2834.2	2818.6	2807.1	2807.1	2779.8	2760.5	2741.2	2729.5	2710.1	2706.2
45°	2202.3	2175.0	2155.7	2147.9	2136.4	2101.4	2078.1	2054.8	2027.7	2020.0	2023.9
47.5°	1709.8	1682.7	1674.8	1655.5	1636.1	1616.8	1601.3	1574.1	1570.2	1554.7	1570.2
50°	1318.2	1310.5	1298.9	1291.0	1279.4	1263.9	1248.4	1233.0	1225.1	1225.1	1229.0
52.5°	1023.6	1027.4	1015.8	1004.1	996.4	996.4	977.0	973.1	973.1	957.7	973.1
55°	783.2	779.3	783.2	775.4	775.4	763.8	763.8	752.1	752.1	740.5	748.3
57.5°	573.9	581.5	573.9	577.7	585.5	573.9	569.9	558.2	566.0	558.2	562.2
60°	445.9	445.9	445.9	442.1	442.1	438.1	438.1	434.2	434.2	426.4	434.2
62.5°	329.5	333.4	333.4	333.4	337.4	333.4	329.5	333.4	329.5	329.5	333.4
65°	217.2	221.0	221.0	217.2	224.9	217.2	221.0	224.9	228.7	224.9	228.7
67.5°	147.3	147.3	151.3	155.1	151.3	155.1	158.9	155.1	158.9	166.8	158.9
70°	108.5	112.5	112.5	108.5	104.7	108.5	104.7	116.3	116.3	116.3	124.0
72.5°	69.7	69.7	65.9	65.9	65.9	65.9	65.9	77.6	69.7	65.9	73.7
75°	38.8	42.6	42.6	31.0	34.9	42.6	31.0	34.9	46.6	38.8	46.6
77.5°	23.3	23.3	23.3	23.3	23.3	23.3	31.0	27.1	27.1	27.1	31.0
80°	19.3	15.5	15.5	11.6	15.5	15.5	15.5	23.3	19.3	19.3	23.3
82.5°	7.8	7.8	3.8	0.0	7.8	7.8	7.8	7.8	7.8	7.8	15.5
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	7.8	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: P249080

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	7932.5	7932.5	7928.7	7921.0	7905.4	7905.4	7901.5	7889.9	7882.2	7878.2	7878.2
5°	7893.7	7878.2	7862.8	7820.1	7820.1	7812.3	7789.2	7773.5	7765.9	7746.4	7738.8
7.5°	7858.9	7812.3	7785.2	7758.1	7723.3	7707.6	7680.5	7668.9	7641.7	7622.4	7610.8
10°	7773.5	7742.6	7707.6	7665.0	7637.9	7606.9	7575.8	7552.7	7517.7	7498.3	7482.8
12.5°	7715.5	7668.9	7637.9	7591.3	7544.9	7517.7	7475.1	7448.0	7413.0	7374.3	7351.0
15°	7661.2	7610.8	7568.2	7517.7	7467.3	7436.3	7385.9	7355.0	7304.5	7265.7	7238.6
17.5°	7579.8	7537.0	7490.6	7428.5	7382.1	7343.3	7288.9	7250.3	7203.7	7153.2	7126.1
20°	7494.4	7444.0	7397.6	7335.5	7288.9	7242.4	7188.2	7145.6	7091.2	7044.7	7013.8
22.5°	7382.1	7323.8	7285.1	7223.0	7168.7	7118.5	7068.0	7017.6	6967.2	6928.4	6893.4
25°	7219.1	7157.1	7114.5	7064.0	7013.8	6975.0	6912.9	6881.9	6831.5	6796.6	6761.6
27.5°	6986.5	6940.0	6901.3	6850.8	6808.2	6777.3	6730.7	6699.7	6656.9	6626.0	6598.8
30°	6645.4	6606.7	6571.7	6521.3	6490.3	6463.2	6420.4	6393.3	6362.3	6327.4	6319.7
32.5°	6187.9	6156.8	6122.0	6087.1	6063.8	6048.3	6013.3	5997.8	5966.9	5947.4	5928.1
35°	5497.7	5470.6	5451.3	5435.8	5428.0	5431.8	5424.1	5439.6	5447.3	5443.4	5447.3
37.5°	4594.5	4578.8	4586.6	4598.3	4637.1	4687.5	4733.9	4803.7	4850.3	4896.9	4939.5
40°	3586.4	3598.0	3629.0	3698.7	3799.6	3912.1	4016.8	4148.6	4280.4	4373.4	4458.6
42.5°	2706.2	2741.2	2818.6	2919.4	3070.7	3237.3	3400.3	3594.0	3753.1	3908.1	4016.8
45°	2035.5	2081.9	2182.8	2322.4	2489.0	2682.9	2888.5	3105.5	3295.6	3454.5	3574.7
47.5°	1585.8	1628.4	1729.3	1876.6	2081.9	2283.7	2496.9	2721.7	2919.4	3074.6	3179.3
50°	1252.3	1306.5	1395.7	1550.8	1756.4	1969.6	2190.6	2411.5	2597.7	2729.5	2822.6
52.5°	984.8	1035.2	1120.4	1283.4	1492.8	1706.0	1911.4	2128.5	2291.3	2419.3	2481.4
55°	763.8	810.4	899.4	1035.2	1233.0	1442.3	1647.7	1834.0	1985.1	2078.1	2136.4
57.5°	581.5	616.5	678.6	814.2	992.6	1186.4	1360.9	1547.0	1663.4	1729.3	1767.9
60°	442.1	469.2	535.1	639.8	802.6	969.3	1116.6	1256.3	1349.3	1403.6	1442.3
62.5°	333.4	364.5	410.9	500.1	624.1	759.9	883.9	988.6	1066.2	1101.1	1128.3
65°	228.7	252.0	286.9	356.7	461.4	558.2	655.3	732.8	783.2	822.0	837.5
67.5°	170.6	186.1	205.5	259.8	333.4	410.9	476.8	531.1	585.5	601.0	628.1
70°	128.0	139.6	158.9	197.7	240.3	294.6	349.0	380.0	418.8	445.9	453.7
72.5°	81.4	85.2	104.7	128.0	162.8	197.7	232.7	259.8	283.1	298.6	306.2
75°	46.6	69.7	69.7	93.0	116.3	131.8	155.1	174.4	186.1	197.7	197.7
77.5°	31.0	42.6	46.6	58.1	69.7	89.2	108.5	120.2	131.8	135.6	135.6
80°	27.1	31.0	31.0	42.6	50.4	65.9	77.6	81.4	89.2	93.0	100.9
82.5°	11.6	15.5	19.3	31.0	34.9	34.9	46.6	50.4	58.1	62.1	62.1
85°	3.8	7.8	7.8	11.6	19.3	23.3	27.1	31.0	34.9	34.9	38.8
87.5°	3.8	3.8	0.0	3.8	7.8	7.8	15.5	15.5	15.5	23.3	23.3
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: P249080

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3	7940.3
2.5°	7870.6	7874.4	7858.9	7855.1	7847.3	7851.1	7858.9
5°	7727.1	7730.9	7715.5	7700.0	7700.0	7696.0	7700.0
7.5°	7591.3	7595.3	7572.0	7564.2	7548.7	7552.7	7552.7
10°	7455.7	7455.7	7420.9	7416.9	7405.2	7401.4	7401.4
12.5°	7323.8	7312.2	7285.1	7269.6	7277.4	7254.1	7254.1
15°	7207.5	7188.2	7153.2	7141.6	7122.3	7114.5	7114.5
17.5°	7087.3	7071.9	7040.9	7017.6	6994.3	6990.5	6994.3
20°	6971.0	6955.5	6916.7	6901.3	6881.9	6881.9	6874.1
22.5°	6854.7	6839.2	6804.4	6792.7	6765.6	6765.6	6769.4
25°	6734.5	6722.8	6684.1	6676.4	6672.6	6656.9	6664.8
27.5°	6571.7	6563.9	6532.9	6521.3	6505.8	6502.0	6509.6
30°	6273.1	6261.5	6238.3	6226.7	6199.6	6203.4	6211.1
32.5°	5901.0	5885.5	5854.4	5842.7	5819.6	5811.8	5815.6
35°	5435.8	5424.1	5397.0	5397.0	5373.7	5365.9	5373.7
37.5°	4962.8	4974.3	4962.8	4974.3	4962.8	4958.8	4962.8
40°	4516.9	4559.5	4567.2	4609.9	4594.5	4617.6	4613.8
42.5°	4090.3	4160.1	4187.4	4222.1	4214.5	4230.0	4241.6
45°	3659.9	3718.2	3745.3	3768.6	3772.4	3780.3	3784.1
47.5°	3252.8	3299.4	3303.3	3330.4	3326.6	3326.6	3338.2
50°	2873.0	2904.0	2911.6	2931.1	2915.6	2907.8	2911.6
52.5°	2520.2	2551.1	2543.3	2551.1	2531.8	2524.0	2527.8
55°	2159.5	2175.0	2175.0	2175.0	2151.8	2151.8	2151.8
57.5°	1791.2	1795.2	1787.4	1791.2	1787.4	1764.1	1760.2
60°	1454.0	1454.0	1450.0	1454.0	1442.3	1430.7	1430.7
62.5°	1135.9	1143.7	1159.2	1143.7	1135.9	1143.7	1132.1
65°	849.2	864.6	860.6	868.5	864.6	864.6	856.8
67.5°	639.8	643.6	647.4	651.4	651.4	651.4	651.4
70°	469.2	480.8	476.8	476.8	476.8	476.8	500.1
72.5°	314.1	329.5	325.7	333.4	333.4	341.2	333.4
75°	213.2	228.7	221.0	232.7	228.7	221.0	240.3
77.5°	143.5	151.3	155.1	158.9	155.1	151.3	155.1
80°	100.9	108.5	104.7	108.5	108.5	108.5	112.5
82.5°	62.1	73.7	69.7	73.7	69.7	73.7	73.7
85°	42.6	46.6	38.8	46.6	42.6	42.6	50.4
87.5°	27.1	23.3	23.3	27.1	23.3	27.1	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)