

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: P248900

Luminaire Tested: **LD8B175D010 ER8B175840 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248900
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 ER8B175840 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13928.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

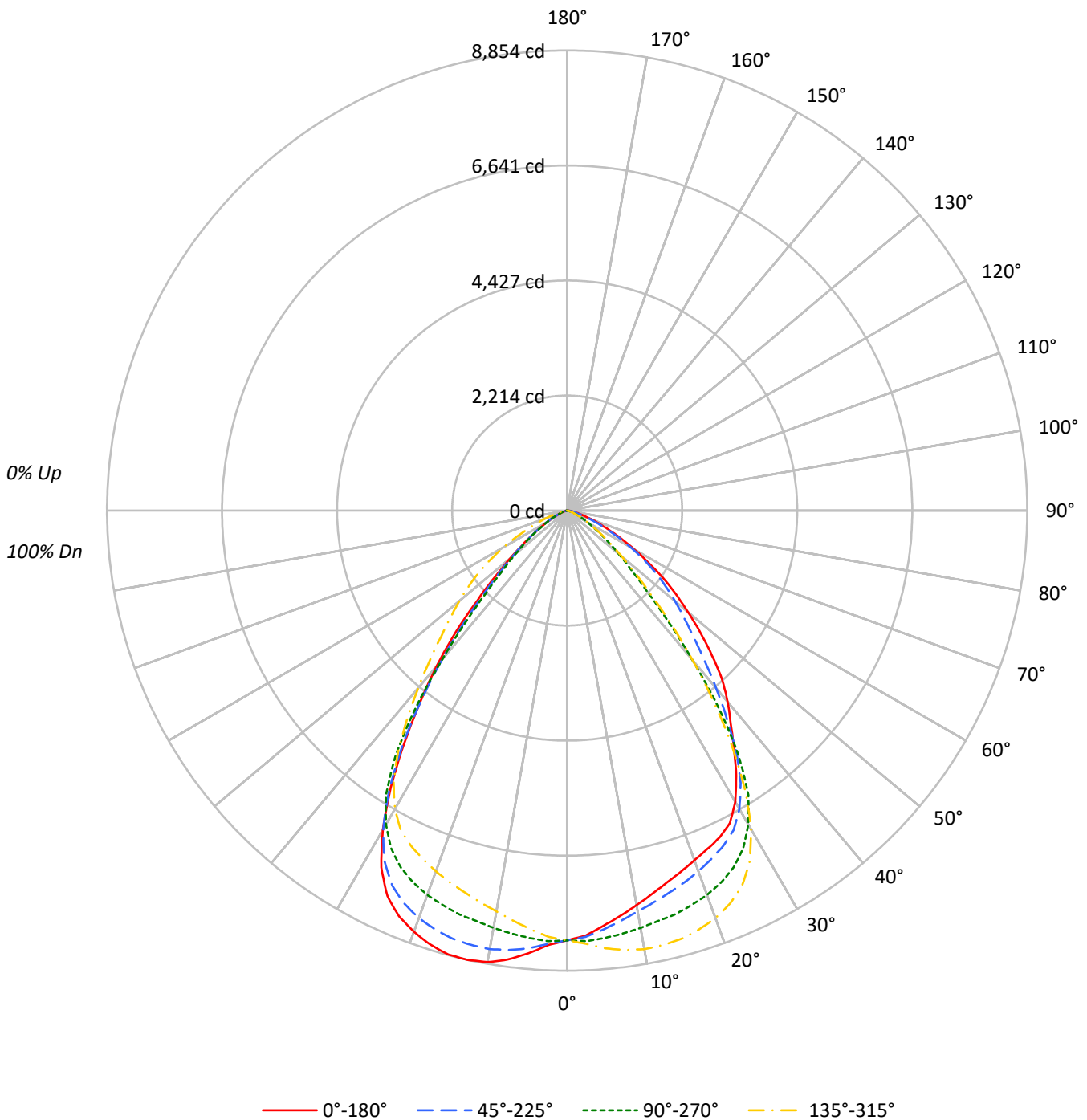
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	254973	254973	254973	254973
5°	248199	255573	264698	255573
10°	241334	255240	276225	255240
15°	236513	256753	282270	256753
20°	234902	258220	282996	258220
25°	236138	257702	278450	257702
30°	230301	248268	252733	248268
35°	210653	216578	205485	216578
40°	193400	150654	157325	150654
45°	171842	91906	106345	91906
50°	145453	61396	68179	61396
55°	120469	41891	44278	41891
60°	91880	27888	28135	27888
65°	65099	17373	15906	17373
70°	46955	11640	10567	11640
75°	29821	5778	4813	5778
80°	20812	4315	3569	4315
85°	18575	0	1415	0



TEST NUMBER: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.0	5.7
10°-20°	2279.1	16.4
20°-30°	3451.0	24.8
30°-40°	3458.7	24.8
40°-50°	2171.9	15.6
50°-60°	1157.4	8.3
60°-70°	475.9	3.4
70°-80°	125.7	0.9
80°-90°	21.3	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°	6517.0	46.8
0°-40°	9975.8	71.6
0°-60°	13305.1	95.5
0°-90°	13928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13928.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8269	8269	8269	8269	8269	
5°	8018	8256	8551	8256	8018	756
15°	7409	8043	8842	8043	7409	2095
25°	6940	7574	8184	7574	6940	3183
35°	5596	5753	5459	5753	5596	3506
45°	3940	2108	2439	2108	3940	3031
55°	2241	779	824	779	2241	1998
65°	892	238	218	238	892	926
75°	250	48	40	48	250	284
85°	52	0	4	0	52	58
90°	0	0	0	0	0	



TEST NUMBER: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8183.9	8175.7	8171.7	8179.9	8183.9	8200.0	8196.0	8204.0	8204.0	8208.1	8216.1
5°	8018.3	8014.2	8018.3	8018.3	8034.5	8050.6	8046.6	8058.7	8066.7	8087.0	8095.0
7.5°	7865.0	7865.0	7860.8	7876.9	7885.1	7909.3	7905.2	7925.4	7937.6	7957.7	7985.9
10°	7707.4	7707.4	7711.4	7723.5	7727.7	7763.9	7763.9	7792.2	7808.3	7828.6	7865.0
12.5°	7554.0	7554.0	7578.3	7570.1	7586.3	7614.5	7626.6	7654.9	7679.2	7719.5	7755.9
15°	7408.6	7408.6	7416.8	7436.9	7449.0	7485.4	7505.5	7537.9	7566.2	7606.5	7659.1
17.5°	7283.5	7279.5	7283.5	7307.7	7332.0	7364.2	7380.4	7420.7	7449.0	7501.5	7550.0
20°	7158.3	7166.5	7166.5	7186.6	7202.7	7243.1	7259.2	7303.8	7336.0	7384.4	7441.0
22.5°	7049.3	7045.3	7045.3	7073.6	7085.7	7121.9	7138.1	7178.5	7214.8	7255.2	7307.7
25°	6940.3	6932.2	6948.5	6952.4	6960.4	7000.8	7012.9	7041.2	7077.6	7114.0	7166.5
27.5°	6778.8	6770.8	6774.8	6790.9	6803.0	6835.3	6843.4	6871.7	6899.9	6932.2	6976.7
30°	6467.9	6459.9	6455.9	6484.1	6496.3	6520.4	6532.5	6581.0	6589.0	6625.4	6657.6
32.5°	6056.0	6052.1	6060.2	6084.3	6096.4	6128.8	6145.0	6173.2	6193.3	6213.6	6245.8
35°	5595.9	5587.7	5595.9	5620.2	5620.2	5648.4	5660.5	5672.5	5668.5	5672.5	5664.5
37.5°	5168.0	5163.8	5168.0	5179.9	5168.0	5179.9	5168.0	5143.7	5099.3	5050.8	5002.3
40°	4804.5	4808.5	4784.4	4800.5	4756.0	4748.0	4703.6	4643.0	4554.3	4457.4	4320.1
42.5°	4417.0	4404.9	4388.7	4396.7	4360.5	4332.1	4259.4	4182.8	4069.7	3908.3	3742.6
45°	3940.5	3936.5	3928.4	3924.4	3900.2	3871.9	3811.2	3722.5	3597.4	3431.8	3233.9
47.5°	3476.2	3464.1	3464.1	3468.1	3439.8	3435.8	3387.3	3310.7	3201.7	3040.2	2834.3
50°	3032.0	3028.0	3036.2	3052.3	3032.0	3024.0	2991.8	2939.3	2842.4	2705.1	2511.2
52.5°	2632.3	2628.4	2636.5	2656.6	2648.5	2656.6	2624.4	2584.0	2519.3	2386.1	2216.6
55°	2240.8	2240.8	2240.8	2264.9	2264.9	2264.9	2248.8	2224.7	2164.0	2067.2	1909.8
57.5°	1833.0	1837.0	1861.3	1865.2	1861.3	1869.4	1865.2	1841.0	1800.8	1732.1	1611.0
60°	1489.8	1489.8	1502.0	1514.1	1509.9	1514.1	1514.1	1502.0	1461.6	1405.1	1308.2
62.5°	1178.9	1191.0	1182.9	1191.0	1207.2	1191.0	1182.9	1174.9	1146.7	1110.3	1029.5
65°	892.2	900.4	900.4	904.4	896.2	900.4	884.3	872.1	856.0	815.6	763.1
67.5°	678.4	678.4	678.4	678.4	674.2	670.2	666.2	654.1	625.8	609.7	553.1
70°	520.8	496.6	496.6	496.6	496.6	500.7	488.6	472.5	464.3	436.1	395.7
72.5°	347.2	355.3	347.2	347.2	339.2	343.2	327.0	318.9	310.9	294.8	270.5
75°	250.3	230.2	238.1	242.3	230.2	238.1	222.0	205.9	205.9	193.8	181.6
77.5°	161.5	157.5	161.5	165.5	161.5	157.5	149.4	141.3	141.3	137.3	125.1
80°	117.2	113.0	113.0	113.0	109.0	113.0	105.0	105.0	96.9	92.9	84.8
82.5°	76.8	76.8	72.6	76.8	72.6	76.8	64.6	64.6	64.6	60.5	52.5
85°	52.5	44.4	44.4	48.5	40.4	48.5	44.4	40.4	36.4	36.4	32.2
87.5°	24.3	28.3	24.3	28.3	24.3	24.3	28.3	24.3	24.3	16.1	16.1
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: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8228.2	8232.2	8232.2	8248.5	8256.5	8260.5	8260.5	8292.9	8280.7	8288.9	8296.9
5°	8111.2	8135.3	8143.5	8143.5	8187.8	8204.0	8220.1	8256.5	8260.5	8284.7	8313.0
7.5°	7998.1	8026.3	8042.6	8078.8	8107.1	8135.3	8183.9	8208.1	8232.2	8264.6	8300.9
10°	7889.1	7921.5	7953.7	7981.9	8026.3	8062.7	8095.0	8151.5	8179.9	8224.2	8272.6
12.5°	7784.2	7828.6	7856.8	7905.2	7953.7	7985.9	8034.5	8087.0	8131.3	8175.7	8232.2
15°	7691.3	7743.8	7776.0	7828.6	7881.1	7925.4	7978.0	8042.6	8074.8	8127.4	8179.9
17.5°	7590.3	7646.9	7687.3	7735.7	7800.3	7848.7	7893.2	7957.7	7998.1	8054.6	8115.2
20°	7485.4	7541.9	7590.3	7638.8	7703.4	7751.8	7804.3	7868.9	7913.3	7969.8	8018.3
22.5°	7360.3	7412.8	7465.1	7521.6	7586.3	7626.6	7687.3	7743.8	7792.2	7844.7	7893.2
25°	7198.7	7263.4	7303.8	7356.1	7408.6	7453.0	7517.6	7574.1	7614.5	7663.0	7707.4
27.5°	7008.9	7057.5	7089.7	7134.1	7186.6	7227.0	7275.3	7332.0	7372.4	7416.8	7449.0
30°	6685.9	6730.4	6758.7	6790.9	6843.4	6879.8	6920.2	6972.5	7000.8	7033.2	7061.5
32.5°	6262.0	6298.3	6314.5	6338.7	6375.1	6411.3	6443.8	6488.1	6500.3	6520.4	6520.4
35°	5648.4	5656.4	5652.4	5660.5	5676.7	5696.8	5725.0	5753.3	5769.4	5769.4	5757.4
37.5°	4929.7	4881.3	4828.8	4788.4	4776.3	4768.1	4784.4	4796.4	4812.7	4820.6	4800.5
40°	4182.8	4073.8	3956.7	3851.6	3779.0	3746.8	3734.6	3742.6	3742.6	3770.9	3770.9
42.5°	3540.9	3371.2	3197.7	3040.2	2935.1	2854.5	2818.1	2818.1	2822.1	2842.4	2854.5
45°	3007.9	2793.9	2592.0	2418.5	2273.1	2168.0	2119.7	2107.5	2103.5	2111.5	2139.8
47.5°	2600.1	2378.1	2168.0	1954.1	1800.8	1695.7	1651.4	1635.1	1619.0	1635.1	1639.2
50°	2281.2	2051.0	1829.0	1615.0	1453.4	1360.5	1304.0	1279.8	1275.8	1275.8	1283.9
52.5°	1990.4	1776.5	1554.5	1336.4	1166.8	1078.0	1025.5	1013.4	997.3	1013.4	1013.4
55°	1715.8	1502.0	1283.9	1078.0	936.6	843.9	795.4	779.2	771.1	783.2	783.2
57.5°	1417.2	1235.4	1033.7	847.9	706.6	642.0	605.6	585.5	581.3	589.5	581.3
60°	1162.8	1009.4	835.7	666.2	557.2	488.6	460.3	452.2	444.0	452.2	452.2
62.5°	920.5	791.4	649.9	520.8	427.9	379.6	347.2	347.2	343.2	343.2	347.2
65°	682.3	581.3	480.4	371.4	298.8	262.4	238.1	238.1	234.2	238.1	234.2
67.5°	496.6	427.9	347.2	270.5	214.0	193.8	177.6	165.5	173.7	165.5	161.5
70°	363.4	306.8	250.3	205.9	165.5	145.4	133.3	129.1	121.1	121.1	121.1
72.5°	242.3	205.9	169.5	133.3	109.0	88.7	84.8	76.8	68.6	72.6	80.8
75°	161.5	137.3	121.1	96.9	72.6	72.6	48.5	48.5	40.4	48.5	36.4
77.5°	113.0	92.9	72.6	60.5	48.5	44.4	32.2	32.2	28.3	28.3	28.3
80°	80.8	68.6	52.5	44.4	32.2	32.2	28.3	24.3	20.1	20.1	24.3
82.5°	48.5	36.4	36.4	32.2	20.1	16.1	12.1	16.1	8.1	8.1	8.1
85°	28.3	24.3	20.1	12.1	8.1	8.1	4.0	0.0	4.0	4.0	0.0
87.5°	16.1	8.1	8.1	4.0	0.0	4.0	4.0	0.0	0.0	0.0	8.1
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: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8317.1	8313.0	8321.1	8321.1	8345.4	8341.2	8353.4	8353.4	8345.4	8349.4	8365.5
5°	8345.4	8357.5	8381.6	8401.9	8438.1	8454.4	8474.5	8494.8	8498.8	8510.9	8523.0
7.5°	8345.4	8385.8	8414.0	8450.3	8498.8	8527.0	8571.4	8607.8	8623.9	8644.0	8668.3
10°	8329.1	8369.5	8422.0	8462.4	8523.0	8567.4	8611.8	8668.3	8692.5	8724.8	8757.2
12.5°	8296.9	8341.2	8397.7	8450.3	8518.9	8559.3	8615.8	8668.3	8704.7	8749.0	8785.4
15°	8248.5	8300.9	8353.4	8405.9	8478.5	8527.0	8579.5	8640.0	8676.4	8724.8	8757.2
17.5°	8171.7	8228.2	8276.8	8325.1	8393.7	8450.3	8498.8	8555.3	8591.7	8632.1	8676.4
20°	8078.8	8131.3	8183.9	8224.2	8292.9	8341.2	8393.7	8446.3	8474.5	8482.7	8551.3
22.5°	7961.8	7998.1	8038.4	8103.1	8143.5	8187.8	8236.4	8284.7	8313.0	8357.5	8381.6
25°	7767.9	7804.3	7848.7	7876.9	7925.4	7961.8	8010.2	8062.7	8078.8	8111.2	8135.3
27.5°	7497.5	7517.6	7537.9	7562.0	7590.3	7610.5	7638.8	7663.0	7679.2	7695.3	7711.4
30°	7069.4	7069.4	7069.4	7053.3	7065.4	7077.6	7081.6	7077.6	7077.6	7073.6	7073.6
32.5°	6504.2	6472.0	6435.6	6403.4	6391.2	6375.1	6367.0	6354.8	6334.7	6322.6	6326.6
35°	5741.1	5668.5	5624.1	5583.8	5551.5	5527.3	5515.1	5503.0	5499.0	5482.9	5466.6
37.5°	4788.4	4735.9	4703.6	4679.4	4651.1	4626.9	4630.9	4635.0	4647.0	4639.0	4643.0
40°	3779.0	3766.9	3779.0	3750.8	3742.6	3750.8	3770.9	3799.3	3815.4	3831.5	3859.8
42.5°	2874.6	2894.7	2923.2	2923.2	2935.1	2951.4	2975.5	3020.0	3044.1	3072.4	3104.8
45°	2164.0	2188.3	2224.7	2236.7	2244.8	2264.9	2293.3	2329.6	2345.7	2369.9	2398.2
47.5°	1667.5	1683.6	1703.7	1724.0	1744.1	1752.2	1780.5	1780.5	1800.8	1816.9	1824.9
50°	1300.1	1316.2	1332.3	1344.4	1352.6	1364.7	1372.7	1384.8	1388.8	1396.9	1400.9
52.5°	1017.4	1037.6	1037.6	1045.6	1057.8	1069.9	1065.9	1069.9	1073.9	1073.9	1086.0
55°	795.4	795.4	807.5	807.5	815.6	811.5	815.6	815.6	815.6	815.6	819.6
57.5°	593.4	597.6	609.7	601.6	597.6	605.6	597.6	605.6	601.6	609.7	597.6
60°	456.2	456.2	460.3	460.3	464.3	464.3	464.3	460.3	460.3	456.2	456.2
62.5°	343.2	347.2	351.3	347.2	347.2	347.2	343.2	343.2	339.2	335.0	335.0
65°	230.2	226.2	234.2	226.2	230.2	230.2	226.2	230.2	218.0	222.0	218.0
67.5°	165.5	161.5	157.5	161.5	157.5	153.4	153.4	157.5	161.5	149.4	149.4
70°	109.0	113.0	109.0	113.0	117.2	117.2	113.0	109.0	113.0	105.0	109.0
72.5°	68.6	68.6	68.6	68.6	68.6	72.6	72.6	72.6	64.6	64.6	60.5
75°	32.2	44.4	36.4	32.2	44.4	44.4	40.4	40.4	36.4	36.4	36.4
77.5°	32.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	20.1	24.3	20.1
80°	16.1	16.1	16.1	12.1	16.1	16.1	20.1	16.1	16.1	12.1	20.1
82.5°	8.1	8.1	8.1	0.0	4.0	8.1	8.1	4.0	8.1	8.1	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: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8361.5	8357.5	8361.5	8365.5	8361.5	8357.5	8361.5	8365.5	8349.4	8345.4	8353.4
5°	8539.2	8539.2	8547.1	8551.3	8547.1	8539.2	8539.2	8523.0	8510.9	8498.8	8494.8
7.5°	8692.5	8700.7	8708.7	8712.7	8708.7	8700.7	8692.5	8668.3	8644.0	8623.9	8607.8
10°	8785.4	8797.6	8813.7	8821.7	8813.7	8797.6	8785.4	8757.2	8724.8	8692.5	8668.3
12.5°	8825.8	8838.0	8858.1	8854.1	8858.1	8838.0	8825.8	8785.4	8749.0	8704.7	8668.3
15°	8797.6	8813.7	8833.8	8841.9	8833.8	8813.7	8797.6	8757.2	8724.8	8676.4	8640.0
17.5°	8708.7	8732.9	8745.1	8757.2	8745.1	8732.9	8708.7	8676.4	8632.1	8591.7	8555.3
20°	8587.5	8603.8	8619.9	8623.9	8619.9	8603.8	8587.5	8551.3	8482.7	8474.5	8446.3
22.5°	8414.0	8426.2	8462.4	8450.3	8462.4	8426.2	8414.0	8381.6	8357.5	8313.0	8284.7
25°	8163.6	8175.7	8179.9	8183.9	8179.9	8175.7	8163.6	8135.3	8111.2	8078.8	8062.7
27.5°	7731.7	7731.7	7739.7	7743.8	7739.7	7731.7	7731.7	7711.4	7695.3	7679.2	7663.0
30°	7077.6	7077.6	7077.6	7097.9	7077.6	7077.6	7077.6	7073.6	7073.6	7077.6	7077.6
32.5°	6322.6	6314.5	6306.5	6314.5	6306.5	6314.5	6322.6	6326.6	6322.6	6334.7	6354.8
35°	5466.6	5462.6	5474.7	5458.6	5474.7	5462.6	5466.6	5466.6	5482.9	5499.0	5503.0
37.5°	4647.0	4639.0	4655.1	4639.0	4655.1	4639.0	4647.0	4643.0	4639.0	4647.0	4635.0
40°	3867.9	3875.9	3875.9	3908.3	3875.9	3875.9	3867.9	3859.8	3831.5	3815.4	3799.3
42.5°	3120.9	3145.2	3137.0	3161.3	3137.0	3145.2	3120.9	3104.8	3072.4	3044.1	3020.0
45°	2414.3	2430.6	2430.6	2438.6	2430.6	2430.6	2414.3	2398.2	2369.9	2345.7	2329.6
47.5°	1853.1	1853.1	1853.1	1857.3	1853.1	1853.1	1853.1	1824.9	1816.9	1800.8	1780.5
50°	1409.1	1413.1	1417.2	1421.2	1417.2	1413.1	1409.1	1400.9	1396.9	1388.8	1384.8
52.5°	1082.0	1086.0	1078.0	1086.0	1078.0	1086.0	1082.0	1086.0	1073.9	1073.9	1069.9
55°	819.6	815.6	819.6	823.6	819.6	815.6	819.6	819.6	815.6	815.6	815.6
57.5°	601.6	593.4	593.4	593.4	593.4	593.4	601.6	597.6	609.7	601.6	605.6
60°	448.2	452.2	452.2	456.2	452.2	452.2	448.2	456.2	456.2	460.3	460.3
62.5°	331.0	343.2	335.0	343.2	335.0	343.2	331.0	335.0	335.0	339.2	343.2
65°	214.0	214.0	214.0	218.0	214.0	214.0	214.0	218.0	222.0	218.0	230.2
67.5°	145.4	149.4	157.5	153.4	157.5	149.4	145.4	149.4	149.4	161.5	157.5
70°	117.2	105.0	105.0	117.2	105.0	105.0	117.2	109.0	105.0	113.0	109.0
72.5°	68.6	60.5	68.6	68.6	68.6	60.5	68.6	60.5	64.6	64.6	72.6
75°	36.4	32.2	28.3	40.4	28.3	32.2	36.4	36.4	36.4	36.4	40.4
77.5°	24.3	20.1	28.3	28.3	28.3	20.1	24.3	20.1	24.3	20.1	24.3
80°	12.1	16.1	12.1	20.1	12.1	16.1	12.1	20.1	12.1	16.1	16.1
82.5°	4.0	8.1	8.1	8.1	8.1	8.1	4.0	4.0	8.1	8.1	4.0
85°	0.0	8.1	4.0	4.0	4.0	8.1	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: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8353.4	8341.2	8345.4	8321.1	8321.1	8313.0	8317.1	8296.9	8288.9	8280.7	8292.9
5°	8474.5	8454.4	8438.1	8401.9	8381.6	8357.5	8345.4	8313.0	8284.7	8260.5	8256.5
7.5°	8571.4	8527.0	8498.8	8450.3	8414.0	8385.8	8345.4	8300.9	8264.6	8232.2	8208.1
10°	8611.8	8567.4	8523.0	8462.4	8422.0	8369.5	8329.1	8272.6	8224.2	8179.9	8151.5
12.5°	8615.8	8559.3	8518.9	8450.3	8397.7	8341.2	8296.9	8232.2	8175.7	8131.3	8087.0
15°	8579.5	8527.0	8478.5	8405.9	8353.4	8300.9	8248.5	8179.9	8127.4	8074.8	8042.6
17.5°	8498.8	8450.3	8393.7	8325.1	8276.8	8228.2	8171.7	8115.2	8054.6	7998.1	7957.7
20°	8393.7	8341.2	8292.9	8224.2	8183.9	8131.3	8078.8	8018.3	7969.8	7913.3	7868.9
22.5°	8236.4	8187.8	8143.5	8103.1	8038.4	7998.1	7961.8	7893.2	7844.7	7792.2	7743.8
25°	8010.2	7961.8	7925.4	7876.9	7848.7	7804.3	7767.9	7707.4	7663.0	7614.5	7574.1
27.5°	7638.8	7610.5	7590.3	7562.0	7537.9	7517.6	7497.5	7449.0	7416.8	7372.4	7332.0
30°	7081.6	7077.6	7065.4	7053.3	7069.4	7069.4	7069.4	7061.5	7033.2	7000.8	6972.5
32.5°	6367.0	6375.1	6391.2	6403.4	6435.6	6472.0	6504.2	6520.4	6520.4	6500.3	6488.1
35°	5515.1	5527.3	5551.5	5583.8	5624.1	5668.5	5741.1	5757.4	5769.4	5769.4	5753.3
37.5°	4630.9	4626.9	4651.1	4679.4	4703.6	4735.9	4788.4	4800.5	4820.6	4812.7	4796.4
40°	3770.9	3750.8	3742.6	3750.8	3779.0	3766.9	3779.0	3770.9	3770.9	3742.6	3742.6
42.5°	2975.5	2951.4	2935.1	2923.2	2923.2	2894.7	2874.6	2854.5	2842.4	2822.1	2818.1
45°	2293.3	2264.9	2244.8	2236.7	2224.7	2188.3	2164.0	2139.8	2111.5	2103.5	2107.5
47.5°	1780.5	1752.2	1744.1	1724.0	1703.7	1683.6	1667.5	1639.2	1635.1	1619.0	1635.1
50°	1372.7	1364.7	1352.6	1344.4	1332.3	1316.2	1300.1	1283.9	1275.8	1275.8	1279.8
52.5°	1065.9	1069.9	1057.8	1045.6	1037.6	1037.6	1017.4	1013.4	1013.4	997.3	1013.4
55°	815.6	811.5	815.6	807.5	807.5	795.4	795.4	783.2	783.2	771.1	779.2
57.5°	597.6	605.6	597.6	601.6	609.7	597.6	593.4	581.3	589.5	581.3	585.5
60°	464.3	464.3	464.3	460.3	460.3	456.2	456.2	452.2	452.2	444.0	452.2
62.5°	343.2	347.2	347.2	347.2	351.3	347.2	343.2	347.2	343.2	343.2	347.2
65°	226.2	230.2	230.2	226.2	234.2	226.2	230.2	234.2	238.1	234.2	238.1
67.5°	153.4	153.4	157.5	161.5	157.5	161.5	165.5	161.5	165.5	173.7	165.5
70°	113.0	117.2	117.2	113.0	109.0	113.0	109.0	121.1	121.1	121.1	129.1
72.5°	72.6	72.6	68.6	68.6	68.6	68.6	68.6	80.8	72.6	68.6	76.8
75°	40.4	44.4	44.4	32.2	36.4	44.4	32.2	36.4	48.5	40.4	48.5
77.5°	24.3	24.3	24.3	24.3	24.3	24.3	32.2	28.3	28.3	28.3	32.2
80°	20.1	16.1	16.1	12.1	16.1	16.1	16.1	24.3	20.1	20.1	24.3
82.5°	8.1	8.1	4.0	0.0	8.1	8.1	8.1	8.1	8.1	8.1	16.1
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	8.1	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: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8260.5	8260.5	8256.5	8248.5	8232.2	8232.2	8228.2	8216.1	8208.1	8204.0	8204.0
5°	8220.1	8204.0	8187.8	8143.5	8143.5	8135.3	8111.2	8095.0	8087.0	8066.7	8058.7
7.5°	8183.9	8135.3	8107.1	8078.8	8042.6	8026.3	7998.1	7985.9	7957.7	7937.6	7925.4
10°	8095.0	8062.7	8026.3	7981.9	7953.7	7921.5	7889.1	7865.0	7828.6	7808.3	7792.2
12.5°	8034.5	7985.9	7953.7	7905.2	7856.8	7828.6	7784.2	7755.9	7719.5	7679.2	7654.9
15°	7978.0	7925.4	7881.1	7828.6	7776.0	7743.8	7691.3	7659.1	7606.5	7566.2	7537.9
17.5°	7893.2	7848.7	7800.3	7735.7	7687.3	7646.9	7590.3	7550.0	7501.5	7449.0	7420.7
20°	7804.3	7751.8	7703.4	7638.8	7590.3	7541.9	7485.4	7441.0	7384.4	7336.0	7303.8
22.5°	7687.3	7626.6	7586.3	7521.6	7465.1	7412.8	7360.3	7307.7	7255.2	7214.8	7178.5
25°	7517.6	7453.0	7408.6	7356.1	7303.8	7263.4	7198.7	7166.5	7114.0	7077.6	7041.2
27.5°	7275.3	7227.0	7186.6	7134.1	7089.7	7057.5	7008.9	6976.7	6932.2	6899.9	6871.7
30°	6920.2	6879.8	6843.4	6790.9	6758.7	6730.4	6685.9	6657.6	6625.4	6589.0	6581.0
32.5°	6443.8	6411.3	6375.1	6338.7	6314.5	6298.3	6262.0	6245.8	6213.6	6193.3	6173.2
35°	5725.0	5696.8	5676.7	5660.5	5652.4	5656.4	5648.4	5664.5	5672.5	5668.5	5672.5
37.5°	4784.4	4768.1	4776.3	4788.4	4828.8	4881.3	4929.7	5002.3	5050.8	5099.3	5143.7
40°	3734.6	3746.8	3779.0	3851.6	3956.7	4073.8	4182.8	4320.1	4457.4	4554.3	4643.0
42.5°	2818.1	2854.5	2935.1	3040.2	3197.7	3371.2	3540.9	3742.6	3908.3	4069.7	4182.8
45°	2119.7	2168.0	2273.1	2418.5	2592.0	2793.9	3007.9	3233.9	3431.8	3597.4	3722.5
47.5°	1651.4	1695.7	1800.8	1954.1	2168.0	2378.1	2600.1	2834.3	3040.2	3201.7	3310.7
50°	1304.0	1360.5	1453.4	1615.0	1829.0	2051.0	2281.2	2511.2	2705.1	2842.4	2939.3
52.5°	1025.5	1078.0	1166.8	1336.4	1554.5	1776.5	1990.4	2216.6	2386.1	2519.3	2584.0
55°	795.4	843.9	936.6	1078.0	1283.9	1502.0	1715.8	1909.8	2067.2	2164.0	2224.7
57.5°	605.6	642.0	706.6	847.9	1033.7	1235.4	1417.2	1611.0	1732.1	1800.8	1841.0
60°	460.3	488.6	557.2	666.2	835.7	1009.4	1162.8	1308.2	1405.1	1461.6	1502.0
62.5°	347.2	379.6	427.9	520.8	649.9	791.4	920.5	1029.5	1110.3	1146.7	1174.9
65°	238.1	262.4	298.8	371.4	480.4	581.3	682.3	763.1	815.6	856.0	872.1
67.5°	177.6	193.8	214.0	270.5	347.2	427.9	496.6	553.1	609.7	625.8	654.1
70°	133.3	145.4	165.5	205.9	250.3	306.8	363.4	395.7	436.1	464.3	472.5
72.5°	84.8	88.7	109.0	133.3	169.5	205.9	242.3	270.5	294.8	310.9	318.9
75°	48.5	72.6	72.6	96.9	121.1	137.3	161.5	181.6	193.8	205.9	205.9
77.5°	32.2	44.4	48.5	60.5	72.6	92.9	113.0	125.1	137.3	141.3	141.3
80°	28.3	32.2	32.2	44.4	52.5	68.6	80.8	84.8	92.9	96.9	105.0
82.5°	12.1	16.1	20.1	32.2	36.4	36.4	48.5	52.5	60.5	64.6	64.6
85°	4.0	8.1	8.1	12.1	20.1	24.3	28.3	32.2	36.4	36.4	40.4
87.5°	4.0	4.0	0.0	4.0	8.1	8.1	16.1	16.1	16.1	24.3	24.3
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: P248900

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6	8268.6
2.5°	8196.0	8200.0	8183.9	8179.9	8171.7	8175.7	8183.9
5°	8046.6	8050.6	8034.5	8018.3	8018.3	8014.2	8018.3
7.5°	7905.2	7909.3	7885.1	7876.9	7860.8	7865.0	7865.0
10°	7763.9	7763.9	7727.7	7723.5	7711.4	7707.4	7707.4
12.5°	7626.6	7614.5	7586.3	7570.1	7578.3	7554.0	7554.0
15°	7505.5	7485.4	7449.0	7436.9	7416.8	7408.6	7408.6
17.5°	7380.4	7364.2	7332.0	7307.7	7283.5	7279.5	7283.5
20°	7259.2	7243.1	7202.7	7186.6	7166.5	7166.5	7158.3
22.5°	7138.1	7121.9	7085.7	7073.6	7045.3	7045.3	7049.3
25°	7012.9	7000.8	6960.4	6952.4	6948.5	6932.2	6940.3
27.5°	6843.4	6835.3	6803.0	6790.9	6774.8	6770.8	6778.8
30°	6532.5	6520.4	6496.3	6484.1	6455.9	6459.9	6467.9
32.5°	6145.0	6128.8	6096.4	6084.3	6060.2	6052.1	6056.0
35°	5660.5	5648.4	5620.2	5620.2	5595.9	5587.7	5595.9
37.5°	5168.0	5179.9	5168.0	5179.9	5168.0	5163.8	5168.0
40°	4703.6	4748.0	4756.0	4800.5	4784.4	4808.5	4804.5
42.5°	4259.4	4332.1	4360.5	4396.7	4388.7	4404.9	4417.0
45°	3811.2	3871.9	3900.2	3924.4	3928.4	3936.5	3940.5
47.5°	3387.3	3435.8	3439.8	3468.1	3464.1	3464.1	3476.2
50°	2991.8	3024.0	3032.0	3052.3	3036.2	3028.0	3032.0
52.5°	2624.4	2656.6	2648.5	2656.6	2636.5	2628.4	2632.3
55°	2248.8	2264.9	2264.9	2264.9	2240.8	2240.8	2240.8
57.5°	1865.2	1869.4	1861.3	1865.2	1861.3	1837.0	1833.0
60°	1514.1	1514.1	1509.9	1514.1	1502.0	1489.8	1489.8
62.5°	1182.9	1191.0	1207.2	1191.0	1182.9	1191.0	1178.9
65°	884.3	900.4	896.2	904.4	900.4	900.4	892.2
67.5°	666.2	670.2	674.2	678.4	678.4	678.4	678.4
70°	488.6	500.7	496.6	496.6	496.6	496.6	520.8
72.5°	327.0	343.2	339.2	347.2	347.2	355.3	347.2
75°	222.0	238.1	230.2	242.3	238.1	230.2	250.3
77.5°	149.4	157.5	161.5	165.5	161.5	157.5	161.5
80°	105.0	113.0	109.0	113.0	113.0	113.0	117.2
82.5°	64.6	76.8	72.6	76.8	72.6	76.8	76.8
85°	44.4	48.5	40.4	48.5	44.4	44.4	52.5
87.5°	28.3	24.3	24.3	28.3	24.3	28.3	24.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)