

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: P249017

Luminaire Tested: **LD8B175D010 ER8B175850 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249017
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 ER8B175850 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18390.0 lumens
Efficiency: N/A
Efficacy: 103.8 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

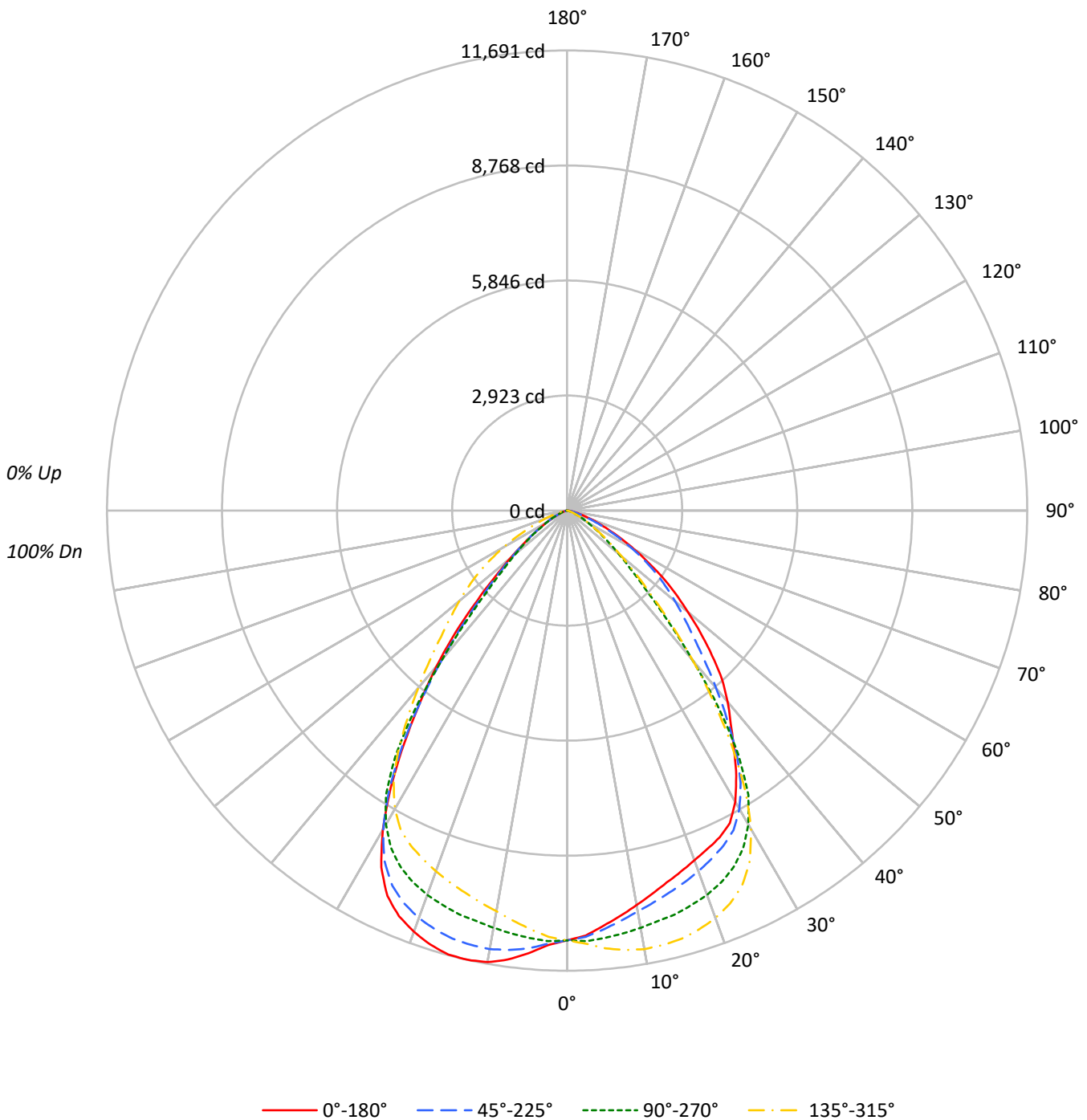
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	336659	336659	336659	336659
5°	327714	337446	349497	337446
10°	318650	337008	364716	337008
15°	312285	339005	372701	339005
20°	310157	340948	373658	340948
25°	311787	340261	367654	340261
30°	304078	327806	333695	327806
35°	278138	285960	271317	285960
40°	255359	198919	207726	198919
45°	226894	121351	140413	121351
50°	192054	81064	90021	81064
55°	159064	55315	58466	55315
60°	121316	36819	37145	36819
65°	85960	22940	21007	22940
70°	62003	15372	13948	15372
75°	39365	7637	6350	7637
80°	27472	5683	4724	5683
85°	24519	0	1875	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1039.1	5.7
10°-20°	3009.2	16.4
20°-30°	4556.5	24.8
30°-40°	4566.8	24.8
40°-50°	2867.7	15.6
50°-60°	1528.2	8.3
60°-70°	628.4	3.4
70°-80°	166.0	0.9
80°-90°	28.1	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8604.8	46.8
0°-40°	13171.6	71.6
0°-60°	17567.5	95.5
0°-90°	18390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18390.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10918	10918	10918	10918	10918	
5°	10587	10902	11291	10902	10587	998
15°	9782	10619	11675	10619	9782	2767
25°	9164	10001	10806	10001	9164	4203
35°	7389	7596	7207	7596	7389	4629
45°	5203	2783	3220	2783	5203	4001
55°	2959	1029	1088	1029	2959	2638
65°	1178	314	288	314	1178	1222
75°	330	64	53	64	330	374
85°	69	0	5	0	69	76
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°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	10805.7	10794.9	10789.6	10800.4	10805.7	10826.9	10821.7	10832.2	10832.2	10837.7	10848.2
5°	10587.1	10581.6	10587.1	10587.1	10608.4	10629.7	10624.4	10640.4	10651.0	10677.7	10688.3
7.5°	10384.6	10384.6	10379.1	10400.4	10411.1	10443.2	10437.7	10464.5	10480.5	10507.0	10544.3
10°	10176.6	10176.6	10181.8	10197.9	10203.3	10251.2	10251.2	10288.5	10309.8	10336.5	10384.6
12.5°	9974.0	9974.0	10006.1	9995.3	10016.6	10053.9	10069.9	10107.2	10139.3	10192.6	10240.6
15°	9782.1	9782.1	9792.8	9819.4	9835.4	9883.4	9910.0	9952.8	9990.1	10043.4	10112.7
17.5°	9616.8	9611.6	9616.8	9648.9	9680.9	9723.5	9744.8	9798.1	9835.4	9904.7	9968.8
20°	9451.6	9462.4	9462.4	9488.9	9510.2	9563.5	9584.8	9643.6	9686.2	9750.0	9824.8
22.5°	9307.7	9302.4	9302.4	9339.7	9355.7	9403.5	9424.8	9478.2	9526.2	9579.5	9648.9
25°	9163.7	9153.0	9174.5	9179.7	9190.3	9243.6	9259.6	9296.9	9345.0	9393.0	9462.4
27.5°	8950.4	8939.9	8945.2	8966.5	8982.5	9025.0	9035.8	9073.1	9110.4	9153.0	9211.8
30°	8539.9	8529.4	8524.1	8561.4	8577.4	8609.2	8625.3	8689.3	8699.9	8747.9	8790.5
32.5°	7996.2	7990.9	8001.7	8033.5	8049.5	8092.3	8113.6	8150.9	8177.4	8204.2	8246.8
35°	7388.6	7377.8	7388.6	7420.6	7420.6	7457.9	7474.0	7489.8	7484.5	7489.8	7479.2
37.5°	6823.6	6818.1	6823.6	6839.4	6823.6	6839.4	6823.6	6791.5	6733.0	6668.9	6604.8
40°	6343.7	6349.0	6317.2	6338.4	6279.6	6269.1	6210.5	6130.4	6013.3	5885.3	5704.1
42.5°	5832.0	5816.0	5794.7	5805.2	5757.4	5719.9	5624.0	5522.9	5373.4	5160.4	4941.6
45°	5202.9	5197.7	5186.9	5181.7	5149.6	5112.3	5032.2	4915.1	4749.8	4531.3	4270.0
47.5°	4589.9	4573.9	4573.9	4579.1	4541.8	4536.5	4472.5	4371.3	4227.4	4014.1	3742.2
50°	4003.4	3998.1	4008.8	4030.1	4003.4	3992.8	3950.3	3880.9	3753.0	3571.8	3315.7
52.5°	3475.6	3470.4	3481.1	3507.7	3496.9	3507.7	3465.1	3411.8	3326.4	3150.5	2926.7
55°	2958.7	2958.7	2958.7	2990.5	2990.5	2990.5	2969.2	2937.4	2857.3	2729.4	2521.6
57.5°	2420.2	2425.5	2457.5	2462.8	2457.5	2468.3	2462.8	2430.8	2377.7	2287.0	2127.1
60°	1967.1	1967.1	1983.1	1999.2	1993.7	1999.2	1999.2	1983.1	1929.8	1855.2	1727.3
62.5°	1556.6	1572.6	1561.8	1572.6	1593.9	1572.6	1561.8	1551.3	1514.0	1466.0	1359.3
65°	1178.1	1188.8	1188.8	1194.1	1183.3	1188.8	1167.5	1151.5	1130.2	1076.9	1007.6
67.5°	895.7	895.7	895.7	895.7	890.2	884.9	879.7	863.6	826.3	805.1	730.2
70°	687.7	655.6	655.6	655.6	655.6	661.1	645.1	623.8	613.1	575.8	522.4
72.5°	458.4	469.1	458.4	458.4	447.8	453.1	431.8	421.1	410.5	389.3	357.2
75°	330.4	303.9	314.4	319.9	303.9	314.4	293.1	271.9	271.9	255.8	239.8
77.5°	213.3	208.0	213.3	218.5	213.3	208.0	197.3	186.5	186.5	181.2	165.2
80°	154.7	149.2	149.2	149.2	143.9	149.2	138.7	138.7	127.9	122.7	111.9
82.5°	101.4	101.4	95.9	101.4	95.9	101.4	85.4	85.4	85.4	79.9	69.3
85°	69.3	58.6	58.6	64.1	53.3	64.1	58.6	53.3	48.1	48.1	42.6
87.5°	32.0	37.3	32.0	37.3	32.0	32.0	37.3	32.0	32.0	21.3	21.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	10864.2	10869.5	10869.5	10891.0	10901.5	10906.8	10906.8	10949.6	10933.6	10944.3	10954.9
5°	10709.8	10741.6	10752.3	10752.3	10810.9	10832.2	10853.5	10901.5	10906.8	10938.8	10976.1
7.5°	10560.3	10597.6	10619.1	10667.0	10704.3	10741.6	10805.7	10837.7	10869.5	10912.3	10960.1
10°	10416.4	10459.2	10501.8	10539.1	10597.6	10645.7	10688.3	10762.9	10800.4	10859.0	10922.8
12.5°	10277.9	10336.5	10373.8	10437.7	10501.8	10544.3	10608.4	10677.7	10736.3	10794.9	10869.5
15°	10155.3	10224.6	10267.2	10336.5	10405.9	10464.5	10533.8	10619.1	10661.7	10731.1	10800.4
17.5°	10021.9	10096.7	10150.0	10213.9	10299.2	10363.1	10421.9	10507.0	10560.3	10634.9	10715.0
20°	9883.4	9958.0	10021.9	10086.0	10171.3	10235.2	10304.5	10389.9	10448.4	10523.0	10587.1
22.5°	9718.2	9787.5	9856.7	9931.3	10016.6	10069.9	10150.0	10224.6	10288.5	10357.8	10421.9
25°	9504.9	9590.3	9643.6	9712.7	9782.1	9840.6	9926.0	10000.6	10053.9	10118.0	10176.6
27.5°	9254.3	9318.4	9361.0	9419.6	9488.9	9542.2	9606.1	9680.9	9734.2	9792.8	9835.4
30°	8827.8	8886.6	8923.9	8966.5	9035.8	9083.9	9137.2	9206.3	9243.6	9286.4	9323.7
32.5°	8268.0	8316.1	8337.4	8369.4	8417.5	8465.3	8508.1	8566.7	8582.7	8609.2	8609.2
35°	7457.9	7468.5	7463.2	7474.0	7495.2	7521.8	7559.1	7596.4	7617.7	7617.7	7601.9
37.5°	6508.9	6445.1	6375.7	6322.4	6306.4	6295.7	6317.2	6333.0	6354.5	6365.0	6338.4
40°	5522.9	5378.9	5224.2	5085.5	4989.7	4947.1	4931.1	4941.6	4941.6	4978.9	4978.9
42.5°	4675.2	4451.2	4222.1	4014.1	3875.4	3769.0	3721.0	3721.0	3726.2	3753.0	3769.0
45°	3971.5	3688.9	3422.3	3193.2	3001.3	2862.6	2798.7	2782.7	2777.4	2788.0	2825.3
47.5°	3433.1	3139.9	2862.6	2580.2	2377.7	2239.0	2180.4	2158.9	2137.6	2158.9	2164.4
50°	3012.0	2708.1	2415.0	2132.3	1919.1	1796.4	1721.8	1689.8	1684.5	1684.5	1695.3
52.5°	2628.0	2345.6	2052.5	1764.6	1540.6	1423.4	1354.1	1338.0	1316.8	1338.0	1338.0
55°	2265.5	1983.1	1695.3	1423.4	1236.7	1114.2	1050.2	1028.9	1018.1	1034.1	1034.1
57.5°	1871.2	1631.2	1364.8	1119.5	933.0	847.6	799.6	773.0	767.5	778.3	767.5
60°	1535.3	1332.8	1103.5	879.7	735.7	645.1	607.8	597.0	586.3	597.0	597.0
62.5°	1215.4	1044.9	858.2	687.7	565.0	501.2	458.4	458.4	453.1	453.1	458.4
65°	900.9	767.5	634.3	490.4	394.5	346.5	314.4	314.4	309.2	314.4	309.2
67.5°	655.6	565.0	458.4	357.2	282.6	255.8	234.6	218.5	229.3	218.5	213.3
70°	479.9	405.1	330.4	271.9	218.5	192.0	176.0	170.5	160.0	160.0	160.0
72.5°	319.9	271.9	223.8	176.0	143.9	117.2	111.9	101.4	90.6	95.9	106.6
75°	213.3	181.2	160.0	127.9	95.9	95.9	64.1	64.1	53.3	64.1	48.1
77.5°	149.2	122.7	95.9	79.9	64.1	58.6	42.6	42.6	37.3	37.3	37.3
80°	106.6	90.6	69.3	58.6	42.6	42.6	37.3	32.0	26.6	26.6	32.0
82.5°	64.1	48.1	48.1	42.6	26.6	21.3	16.0	21.3	10.8	10.8	10.8
85°	37.3	32.0	26.6	16.0	10.8	10.8	5.3	0.0	5.3	5.3	0.0
87.5°	21.3	10.8	10.8	5.3	0.0	5.3	5.3	0.0	0.0	0.0	10.8
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°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	10981.6	10976.1	10986.9	10986.9	11018.9	11013.4	11029.5	11029.5	11018.9	11024.2	11045.5
5°	11018.9	11035.0	11066.8	11093.5	11141.4	11162.9	11189.4	11216.2	11221.5	11237.5	11253.5
7.5°	11018.9	11072.3	11109.6	11157.4	11221.5	11258.8	11317.3	11365.4	11386.7	11413.2	11445.3
10°	10997.4	11050.7	11120.1	11173.4	11253.5	11312.1	11370.7	11445.3	11477.3	11519.9	11562.7
12.5°	10954.9	11013.4	11088.1	11157.4	11248.0	11301.3	11375.9	11445.3	11493.3	11551.9	11600.0
15°	10891.0	10960.1	11029.5	11098.8	11194.7	11258.8	11328.1	11408.0	11456.0	11519.9	11562.7
17.5°	10789.6	10864.2	10928.3	10992.2	11082.8	11157.4	11221.5	11296.1	11344.1	11397.4	11456.0
20°	10667.0	10736.3	10805.7	10859.0	10949.6	11013.4	11082.8	11152.1	11189.4	11200.2	11290.8
22.5°	10512.5	10560.3	10613.7	10699.0	10752.3	10810.9	10875.0	10938.8	10976.1	11035.0	11066.8
25°	10256.4	10304.5	10363.1	10400.4	10464.5	10512.5	10576.4	10645.7	10667.0	10709.8	10741.6
27.5°	9899.4	9926.0	9952.8	9984.6	10021.9	10048.6	10086.0	10118.0	10139.3	10160.6	10181.8
30°	9334.2	9334.2	9334.2	9312.9	9328.9	9345.0	9350.2	9345.0	9345.0	9339.7	9339.7
32.5°	8588.0	8545.4	8497.3	8454.8	8438.8	8417.5	8406.7	8390.7	8364.1	8348.1	8353.4
35°	7580.4	7484.5	7425.9	7372.6	7330.0	7298.0	7282.0	7265.9	7260.7	7239.4	7217.9
37.5°	6322.4	6253.1	6210.5	6178.5	6141.2	6109.1	6114.4	6119.9	6135.7	6125.2	6130.4
40°	4989.7	4973.6	4989.7	4952.4	4941.6	4952.4	4978.9	5016.4	5037.7	5059.0	5096.3
42.5°	3795.6	3822.1	3859.6	3859.6	3875.4	3896.9	3928.8	3987.6	4019.4	4056.7	4099.5
45°	2857.3	2889.3	2937.4	2953.2	2964.0	2990.5	3028.0	3075.9	3097.1	3129.2	3166.5
47.5°	2201.7	2223.0	2249.5	2276.3	2302.8	2313.6	2350.9	2350.9	2377.7	2398.9	2409.5
50°	1716.5	1737.8	1759.1	1775.1	1785.9	1801.9	1812.4	1828.4	1833.7	1844.5	1849.7
52.5°	1343.3	1370.1	1370.1	1380.6	1396.6	1412.6	1407.4	1412.6	1417.9	1417.9	1433.9
55°	1050.2	1050.2	1066.2	1066.2	1076.9	1071.4	1076.9	1076.9	1076.9	1076.9	1082.2
57.5°	783.6	789.0	805.1	794.3	789.0	799.6	789.0	799.6	794.3	805.1	789.0
60°	602.3	602.3	607.8	607.8	613.1	613.1	613.1	607.8	607.8	602.3	602.3
62.5°	453.1	458.4	463.9	458.4	458.4	458.4	453.1	453.1	447.8	442.4	442.4
65°	303.9	298.6	309.2	298.6	303.9	303.9	298.6	303.9	287.9	293.1	287.9
67.5°	218.5	213.3	208.0	213.3	208.0	202.5	202.5	208.0	213.3	197.3	197.3
70°	143.9	149.2	143.9	149.2	154.7	154.7	149.2	143.9	149.2	138.7	143.9
72.5°	90.6	90.6	90.6	90.6	90.6	95.9	95.9	95.9	85.4	85.4	79.9
75°	42.6	58.6	48.1	42.6	58.6	58.6	53.3	53.3	48.1	48.1	48.1
77.5°	42.6	32.0	32.0	32.0	32.0	32.0	32.0	32.0	26.6	32.0	26.6
80°	21.3	21.3	21.3	16.0	21.3	21.3	26.6	21.3	21.3	16.0	26.6
82.5°	10.8	10.8	10.8	0.0	5.3	10.8	10.8	5.3	10.8	10.8	5.3
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: P249017

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	11040.2	11035.0	11040.2	11045.5	11040.2	11035.0	11040.2	11045.5	11024.2	11018.9	11029.5
5°	11274.8	11274.8	11285.3	11290.8	11285.3	11274.8	11274.8	11253.5	11237.5	11221.5	11216.2
7.5°	11477.3	11488.1	11498.6	11503.9	11498.6	11488.1	11477.3	11445.3	11413.2	11386.7	11365.4
10°	11600.0	11616.0	11637.3	11647.8	11637.3	11616.0	11600.0	11562.7	11519.9	11477.3	11445.3
12.5°	11653.3	11669.3	11695.9	11690.6	11695.9	11669.3	11653.3	11600.0	11551.9	11493.3	11445.3
15°	11616.0	11637.3	11663.8	11674.6	11663.8	11637.3	11616.0	11562.7	11519.9	11456.0	11408.0
17.5°	11498.6	11530.6	11546.6	11562.7	11546.6	11530.6	11498.6	11456.0	11397.4	11344.1	11296.1
20°	11338.6	11360.1	11381.4	11386.7	11381.4	11360.1	11338.6	11290.8	11200.2	11189.4	11152.1
22.5°	11109.6	11125.6	11173.4	11157.4	11173.4	11125.6	11109.6	11066.8	11035.0	10976.1	10938.8
25°	10778.9	10794.9	10800.4	10805.7	10800.4	10794.9	10778.9	10741.6	10709.8	10667.0	10645.7
27.5°	10208.6	10208.6	10219.1	10224.6	10219.1	10208.6	10208.6	10181.8	10160.6	10139.3	10118.0
30°	9345.0	9345.0	9345.0	9371.7	9345.0	9345.0	9345.0	9339.7	9339.7	9345.0	9345.0
32.5°	8348.1	8337.4	8326.8	8337.4	8326.8	8337.4	8348.1	8353.4	8348.1	8364.1	8390.7
35°	7217.9	7212.6	7228.6	7207.4	7228.6	7212.6	7217.9	7217.9	7239.4	7260.7	7265.9
37.5°	6135.7	6125.2	6146.4	6125.2	6146.4	6125.2	6135.7	6130.4	6125.2	6135.7	6119.9
40°	5107.0	5117.6	5117.6	5160.4	5117.6	5117.6	5107.0	5096.3	5059.0	5037.7	5016.4
42.5°	4120.7	4152.8	4142.0	4174.1	4142.0	4152.8	4120.7	4099.5	4056.7	4019.4	3987.6
45°	3187.8	3209.3	3209.3	3219.8	3209.3	3209.3	3187.8	3166.5	3129.2	3097.1	3075.9
47.5°	2446.8	2446.8	2446.8	2452.3	2446.8	2446.8	2446.8	2409.5	2398.9	2377.7	2350.9
50°	1860.5	1865.7	1871.2	1876.5	1871.2	1865.7	1860.5	1849.7	1844.5	1833.7	1828.4
52.5°	1428.7	1433.9	1423.4	1433.9	1423.4	1433.9	1428.7	1433.9	1417.9	1417.9	1412.6
55°	1082.2	1076.9	1082.2	1087.5	1082.2	1076.9	1082.2	1082.2	1076.9	1076.9	1076.9
57.5°	794.3	783.6	783.6	783.6	783.6	783.6	794.3	789.0	805.1	794.3	799.6
60°	591.8	597.0	597.0	602.3	597.0	597.0	591.8	602.3	602.3	607.8	607.8
62.5°	437.1	453.1	442.4	453.1	442.4	453.1	437.1	442.4	442.4	447.8	453.1
65°	282.6	282.6	282.6	287.9	282.6	282.6	282.6	287.9	293.1	287.9	303.9
67.5°	192.0	197.3	208.0	202.5	208.0	197.3	192.0	197.3	197.3	213.3	208.0
70°	154.7	138.7	138.7	154.7	138.7	138.7	154.7	143.9	138.7	149.2	143.9
72.5°	90.6	79.9	90.6	90.6	90.6	79.9	90.6	79.9	85.4	85.4	95.9
75°	48.1	42.6	37.3	53.3	37.3	42.6	48.1	48.1	48.1	48.1	53.3
77.5°	32.0	26.6	37.3	37.3	37.3	26.6	32.0	26.6	32.0	26.6	32.0
80°	16.0	21.3	16.0	26.6	16.0	21.3	16.0	26.6	16.0	21.3	21.3
82.5°	5.3	10.8	10.8	10.8	10.8	10.8	5.3	5.3	10.8	10.8	5.3
85°	0.0	10.8	5.3	5.3	5.3	10.8	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	0.0	0.0	5.3	0.0	0.0	5.3	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: P249017

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	11029.5	11013.4	11018.9	10986.9	10986.9	10976.1	10981.6	10954.9	10944.3	10933.6	10949.6
5°	11189.4	11162.9	11141.4	11093.5	11066.8	11035.0	11018.9	10976.1	10938.8	10906.8	10901.5
7.5°	11317.3	11258.8	11221.5	11157.4	11109.6	11072.3	11018.9	10960.1	10912.3	10869.5	10837.7
10°	11370.7	11312.1	11253.5	11173.4	11120.1	11050.7	10997.4	10922.8	10859.0	10800.4	10762.9
12.5°	11375.9	11301.3	11248.0	11157.4	11088.1	11013.4	10954.9	10869.5	10794.9	10736.3	10677.7
15°	11328.1	11258.8	11194.7	11098.8	11029.5	10960.1	10891.0	10800.4	10731.1	10661.7	10619.1
17.5°	11221.5	11157.4	11082.8	10992.2	10928.3	10864.2	10789.6	10715.0	10634.9	10560.3	10507.0
20°	11082.8	11013.4	10949.6	10859.0	10805.7	10736.3	10667.0	10587.1	10523.0	10448.4	10389.9
22.5°	10875.0	10810.9	10752.3	10699.0	10613.7	10560.3	10512.5	10421.9	10357.8	10288.5	10224.6
25°	10576.4	10512.5	10464.5	10400.4	10363.1	10304.5	10256.4	10176.6	10118.0	10053.9	10000.6
27.5°	10086.0	10048.6	10021.9	9984.6	9952.8	9926.0	9899.4	9835.4	9792.8	9734.2	9680.9
30°	9350.2	9345.0	9328.9	9312.9	9334.2	9334.2	9334.2	9323.7	9286.4	9243.6	9206.3
32.5°	8406.7	8417.5	8438.8	8454.8	8497.3	8545.4	8588.0	8609.2	8609.2	8582.7	8566.7
35°	7282.0	7298.0	7330.0	7372.6	7425.9	7484.5	7580.4	7601.9	7617.7	7617.7	7596.4
37.5°	6114.4	6109.1	6141.2	6178.5	6210.5	6253.1	6322.4	6338.4	6365.0	6354.5	6333.0
40°	4978.9	4952.4	4941.6	4952.4	4989.7	4973.6	4989.7	4978.9	4978.9	4941.6	4941.6
42.5°	3928.8	3896.9	3875.4	3859.6	3859.6	3822.1	3795.6	3769.0	3753.0	3726.2	3721.0
45°	3028.0	2990.5	2964.0	2953.2	2937.4	2889.3	2857.3	2825.3	2788.0	2777.4	2782.7
47.5°	2350.9	2313.6	2302.8	2276.3	2249.5	2223.0	2201.7	2164.4	2158.9	2137.6	2158.9
50°	1812.4	1801.9	1785.9	1775.1	1759.1	1737.8	1716.5	1695.3	1684.5	1684.5	1689.8
52.5°	1407.4	1412.6	1396.6	1380.6	1370.1	1370.1	1343.3	1338.0	1338.0	1316.8	1338.0
55°	1076.9	1071.4	1076.9	1066.2	1066.2	1050.2	1050.2	1034.1	1034.1	1018.1	1028.9
57.5°	789.0	799.6	789.0	794.3	805.1	789.0	783.6	767.5	778.3	767.5	773.0
60°	613.1	613.1	613.1	607.8	607.8	602.3	602.3	597.0	597.0	586.3	597.0
62.5°	453.1	458.4	458.4	458.4	463.9	458.4	453.1	458.4	453.1	453.1	458.4
65°	298.6	303.9	303.9	298.6	309.2	298.6	303.9	309.2	314.4	309.2	314.4
67.5°	202.5	202.5	208.0	213.3	208.0	213.3	218.5	213.3	218.5	229.3	218.5
70°	149.2	154.7	154.7	149.2	143.9	149.2	143.9	160.0	160.0	160.0	170.5
72.5°	95.9	95.9	90.6	90.6	90.6	90.6	90.6	106.6	95.9	90.6	101.4
75°	53.3	58.6	58.6	42.6	48.1	58.6	42.6	48.1	64.1	53.3	64.1
77.5°	32.0	32.0	32.0	32.0	32.0	32.0	42.6	37.3	37.3	37.3	42.6
80°	26.6	21.3	21.3	16.0	21.3	21.3	21.3	32.0	26.6	26.6	32.0
82.5°	10.8	10.8	5.3	0.0	10.8	10.8	10.8	10.8	10.8	10.8	21.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	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: P249017

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	10906.8	10906.8	10901.5	10891.0	10869.5	10869.5	10864.2	10848.2	10837.7	10832.2	10832.2
5°	10853.5	10832.2	10810.9	10752.3	10752.3	10741.6	10709.8	10688.3	10677.7	10651.0	10640.4
7.5°	10805.7	10741.6	10704.3	10667.0	10619.1	10597.6	10560.3	10544.3	10507.0	10480.5	10464.5
10°	10688.3	10645.7	10597.6	10539.1	10501.8	10459.2	10416.4	10384.6	10336.5	10309.8	10288.5
12.5°	10608.4	10544.3	10501.8	10437.7	10373.8	10336.5	10277.9	10240.6	10192.6	10139.3	10107.2
15°	10533.8	10464.5	10405.9	10336.5	10267.2	10224.6	10155.3	10112.7	10043.4	9990.1	9952.8
17.5°	10421.9	10363.1	10299.2	10213.9	10150.0	10096.7	10021.9	9968.8	9904.7	9835.4	9798.1
20°	10304.5	10235.2	10171.3	10086.0	10021.9	9958.0	9883.4	9824.8	9750.0	9686.2	9643.6
22.5°	10150.0	10069.9	10016.6	9931.3	9856.7	9787.5	9718.2	9648.9	9579.5	9526.2	9478.2
25°	9926.0	9840.6	9782.1	9712.7	9643.6	9590.3	9504.9	9462.4	9393.0	9345.0	9296.9
27.5°	9606.1	9542.2	9488.9	9419.6	9361.0	9318.4	9254.3	9211.8	9153.0	9110.4	9073.1
30°	9137.2	9083.9	9035.8	8966.5	8923.9	8886.6	8827.8	8790.5	8747.9	8699.9	8689.3
32.5°	8508.1	8465.3	8417.5	8369.4	8337.4	8316.1	8268.0	8246.8	8204.2	8177.4	8150.9
35°	7559.1	7521.8	7495.2	7474.0	7463.2	7468.5	7457.9	7479.2	7489.8	7484.5	7489.8
37.5°	6317.2	6295.7	6306.4	6322.4	6375.7	6445.1	6508.9	6604.8	6668.9	6733.0	6791.5
40°	4931.1	4947.1	4989.7	5085.5	5224.2	5378.9	5522.9	5704.1	5885.3	6013.3	6130.4
42.5°	3721.0	3769.0	3875.4	4014.1	4222.1	4451.2	4675.2	4941.6	5160.4	5373.4	5522.9
45°	2798.7	2862.6	3001.3	3193.2	3422.3	3688.9	3971.5	4270.0	4531.3	4749.8	4915.1
47.5°	2180.4	2239.0	2377.7	2580.2	2862.6	3139.9	3433.1	3742.2	4014.1	4227.4	4371.3
50°	1721.8	1796.4	1919.1	2132.3	2415.0	2708.1	3012.0	3315.7	3571.8	3753.0	3880.9
52.5°	1354.1	1423.4	1540.6	1764.6	2052.5	2345.6	2628.0	2926.7	3150.5	3326.4	3411.8
55°	1050.2	1114.2	1236.7	1423.4	1695.3	1983.1	2265.5	2521.6	2729.4	2857.3	2937.4
57.5°	799.6	847.6	933.0	1119.5	1364.8	1631.2	1871.2	2127.1	2287.0	2377.7	2430.8
60°	607.8	645.1	735.7	879.7	1103.5	1332.8	1535.3	1727.3	1855.2	1929.8	1983.1
62.5°	458.4	501.2	565.0	687.7	858.2	1044.9	1215.4	1359.3	1466.0	1514.0	1551.3
65°	314.4	346.5	394.5	490.4	634.3	767.5	900.9	1007.6	1076.9	1130.2	1151.5
67.5°	234.6	255.8	282.6	357.2	458.4	565.0	655.6	730.2	805.1	826.3	863.6
70°	176.0	192.0	218.5	271.9	330.4	405.1	479.9	522.4	575.8	613.1	623.8
72.5°	111.9	117.2	143.9	176.0	223.8	271.9	319.9	357.2	389.3	410.5	421.1
75°	64.1	95.9	95.9	127.9	160.0	181.2	213.3	239.8	255.8	271.9	271.9
77.5°	42.6	58.6	64.1	79.9	95.9	122.7	149.2	165.2	181.2	186.5	186.5
80°	37.3	42.6	42.6	58.6	69.3	90.6	106.6	111.9	122.7	127.9	138.7
82.5°	16.0	21.3	26.6	42.6	48.1	48.1	64.1	69.3	79.9	85.4	85.4
85°	5.3	10.8	10.8	16.0	26.6	32.0	37.3	42.6	48.1	48.1	53.3
87.5°	5.3	5.3	0.0	5.3	10.8	10.8	21.3	21.3	21.3	32.0	32.0
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: P249017

CATALOG NUMBER: LD8B175D010 ER8B175850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6	10917.6
2.5°	10821.7	10826.9	10805.7	10800.4	10789.6	10794.9	10805.7
5°	10624.4	10629.7	10608.4	10587.1	10587.1	10581.6	10587.1
7.5°	10437.7	10443.2	10411.1	10400.4	10379.1	10384.6	10384.6
10°	10251.2	10251.2	10203.3	10197.9	10181.8	10176.6	10176.6
12.5°	10069.9	10053.9	10016.6	9995.3	10006.1	9974.0	9974.0
15°	9910.0	9883.4	9835.4	9819.4	9792.8	9782.1	9782.1
17.5°	9744.8	9723.5	9680.9	9648.9	9616.8	9611.6	9616.8
20°	9584.8	9563.5	9510.2	9488.9	9462.4	9462.4	9451.6
22.5°	9424.8	9403.5	9355.7	9339.7	9302.4	9302.4	9307.7
25°	9259.6	9243.6	9190.3	9179.7	9174.5	9153.0	9163.7
27.5°	9035.8	9025.0	8982.5	8966.5	8945.2	8939.9	8950.4
30°	8625.3	8609.2	8577.4	8561.4	8524.1	8529.4	8539.9
32.5°	8113.6	8092.3	8049.5	8033.5	8001.7	7990.9	7996.2
35°	7474.0	7457.9	7420.6	7420.6	7388.6	7377.8	7388.6
37.5°	6823.6	6839.4	6823.6	6839.4	6823.6	6818.1	6823.6
40°	6210.5	6269.1	6279.6	6338.4	6317.2	6349.0	6343.7
42.5°	5624.0	5719.9	5757.4	5805.2	5794.7	5816.0	5832.0
45°	5032.2	5112.3	5149.6	5181.7	5186.9	5197.7	5202.9
47.5°	4472.5	4536.5	4541.8	4579.1	4573.9	4573.9	4589.9
50°	3950.3	3992.8	4003.4	4030.1	4008.8	3998.1	4003.4
52.5°	3465.1	3507.7	3496.9	3507.7	3481.1	3470.4	3475.6
55°	2969.2	2990.5	2990.5	2990.5	2958.7	2958.7	2958.7
57.5°	2462.8	2468.3	2457.5	2462.8	2457.5	2425.5	2420.2
60°	1999.2	1999.2	1993.7	1999.2	1983.1	1967.1	1967.1
62.5°	1561.8	1572.6	1593.9	1572.6	1561.8	1572.6	1556.6
65°	1167.5	1188.8	1183.3	1194.1	1188.8	1188.8	1178.1
67.5°	879.7	884.9	890.2	895.7	895.7	895.7	895.7
70°	645.1	661.1	655.6	655.6	655.6	655.6	687.7
72.5°	431.8	453.1	447.8	458.4	458.4	469.1	458.4
75°	293.1	314.4	303.9	319.9	314.4	303.9	330.4
77.5°	197.3	208.0	213.3	218.5	213.3	208.0	213.3
80°	138.7	149.2	143.9	149.2	149.2	149.2	154.7
82.5°	85.4	101.4	95.9	101.4	95.9	101.4	101.4
85°	58.6	64.1	53.3	64.1	58.6	58.6	69.3
87.5°	37.3	32.0	32.0	37.3	32.0	37.3	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)