

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: P248675

Luminaire Tested: **LD8B175D010 ER8B175835 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248675
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 ER8B175835 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18188.0 lumens
Efficiency: N/A
Efficacy: 102.6 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

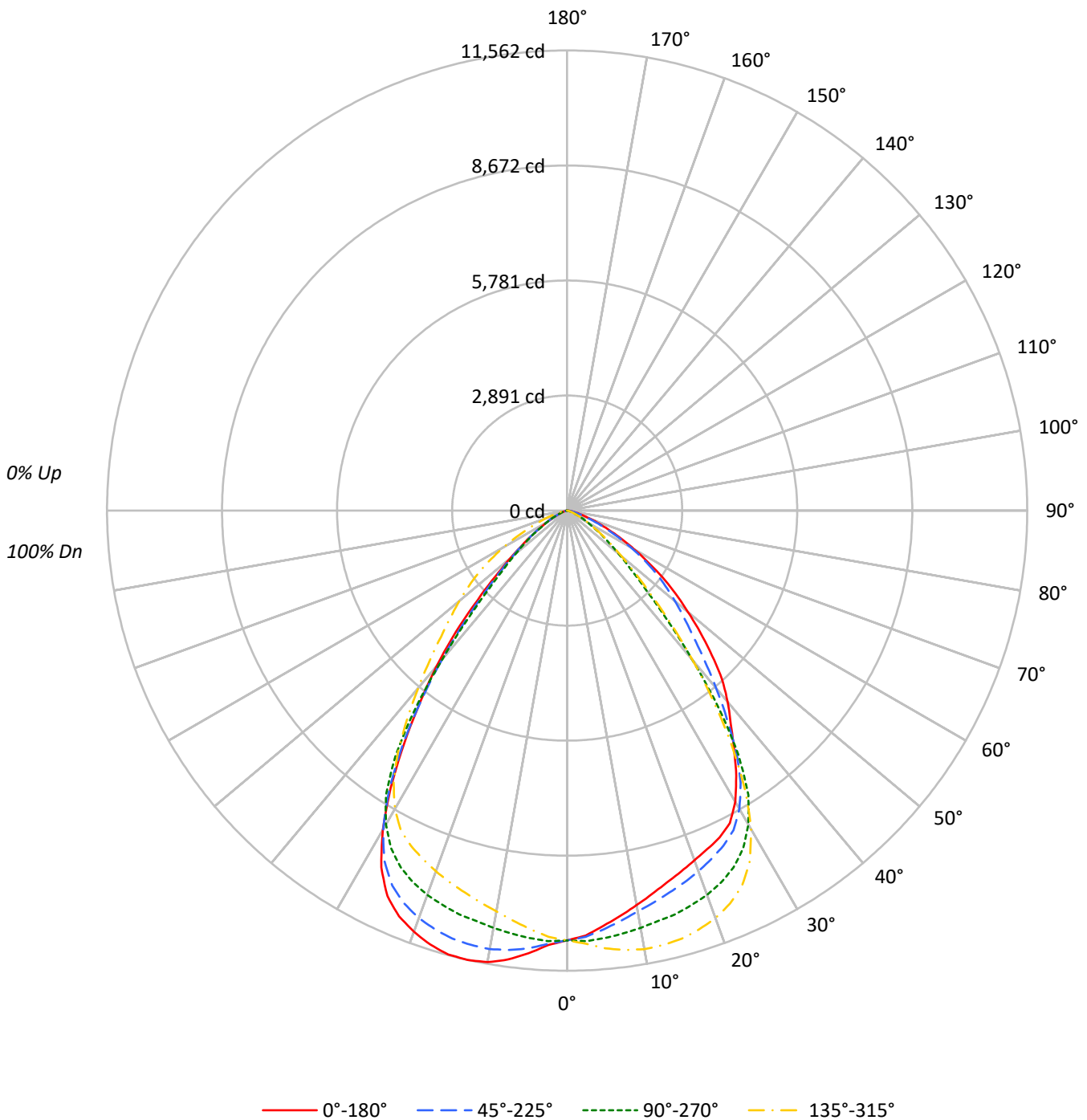
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	332958	332958	332958	332958
5°	324114	333741	345658	333741
10°	315149	333304	360711	333304
15°	308853	335283	368605	335283
20°	306751	337200	369553	337200
25°	308364	336522	363616	336522
30°	300738	324206	330031	324206
35°	275081	282817	268335	282817
40°	252553	196733	205444	196733
45°	224404	120017	138869	120017
50°	189943	80172	89033	80172
55°	157317	54708	57820	54708
60°	119984	36418	36738	36418
65°	85011	22692	20773	22692
70°	61317	15201	13794	15201
75°	38936	7554	6279	7554
80°	27170	5629	4670	5629
85°	24271	0	1840	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.7	5.7
10°-20°	2976.1	16.4
20°-30°	4506.5	24.8
30°-40°	4516.6	24.8
40°-50°	2836.2	15.6
50°-60°	1511.4	8.3
60°-70°	621.5	3.4
70°-80°	164.2	0.9
80°-90°	27.8	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°	8510.3	46.8
0°-40°	13026.9	71.6
0°-60°	17374.5	95.5
0°-90°	18188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18188.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10798	10798	10798	10798	10798	
5°	10471	10782	11167	10782	10471	987
15°	9675	10502	11546	10502	9675	2736
25°	9063	9891	10687	9891	9063	4157
35°	7307	7513	7128	7513	7307	4578
45°	5146	2752	3184	2752	5146	3958
55°	2926	1018	1076	1018	2926	2609
65°	1165	311	285	311	1165	1209
75°	327	63	53	63	327	370
85°	69	0	5	0	69	75
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°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10687.0	10676.3	10671.1	10681.8	10687.0	10708.0	10702.8	10713.2	10713.2	10718.6	10729.1
5°	10470.8	10465.4	10470.8	10470.8	10491.9	10512.9	10507.7	10523.6	10534.0	10560.4	10570.9
7.5°	10270.5	10270.5	10265.1	10286.1	10296.8	10328.5	10323.0	10349.5	10365.4	10391.6	10428.5
10°	10064.8	10064.8	10070.0	10085.8	10091.3	10138.6	10138.6	10175.5	10196.5	10223.0	10270.5
12.5°	9864.5	9864.5	9896.2	9885.5	9906.6	9943.5	9959.3	9996.2	10027.9	10080.6	10128.2
15°	9674.6	9674.6	9685.2	9711.5	9727.3	9774.9	9801.1	9843.4	9880.3	9933.1	10001.6
17.5°	9511.2	9506.0	9511.2	9542.9	9574.6	9616.7	9637.7	9690.4	9727.3	9795.9	9859.3
20°	9347.8	9358.4	9358.4	9384.7	9405.7	9458.5	9479.5	9537.7	9579.8	9642.9	9716.9
22.5°	9205.4	9200.2	9200.2	9237.1	9252.9	9300.3	9321.3	9374.0	9421.6	9474.3	9542.9
25°	9063.1	9052.4	9073.7	9078.9	9089.3	9142.1	9157.9	9194.8	9242.3	9289.8	9358.4
27.5°	8852.1	8841.7	8846.9	8868.0	8883.8	8925.9	8936.5	8973.4	9010.3	9052.4	9110.6
30°	8446.1	8435.7	8430.5	8467.4	8483.2	8514.7	8530.5	8593.9	8604.3	8651.8	8693.9
32.5°	7908.3	7903.1	7913.8	7945.2	7961.1	8003.4	8024.4	8061.3	8087.6	8114.1	8156.2
35°	7307.4	7296.8	7307.4	7339.1	7339.1	7376.0	7391.9	7407.5	7402.3	7407.5	7397.1
37.5°	6748.6	6743.2	6748.6	6764.3	6748.6	6764.3	6748.6	6716.9	6659.0	6595.6	6532.3
40°	6274.0	6279.2	6247.8	6268.8	6210.7	6200.2	6142.3	6063.1	5947.2	5820.7	5641.4
42.5°	5768.0	5752.1	5731.1	5741.5	5694.2	5657.1	5562.2	5462.2	5314.4	5103.7	4887.3
45°	5145.8	5140.6	5129.9	5124.7	5093.1	5056.2	4976.9	4861.1	4697.7	4481.5	4223.0
47.5°	4539.5	4523.6	4523.6	4528.8	4491.9	4486.7	4423.4	4323.3	4180.9	3970.0	3701.1
50°	3959.4	3954.2	3964.8	3985.9	3959.4	3949.0	3906.9	3838.3	3711.8	3532.5	3279.3
52.5°	3437.5	3432.3	3442.9	3469.2	3458.5	3469.2	3427.1	3374.3	3289.9	3115.9	2894.5
55°	2926.2	2926.2	2926.2	2957.7	2957.7	2957.7	2936.6	2905.1	2825.9	2699.4	2493.9
57.5°	2393.6	2398.8	2430.5	2435.7	2430.5	2441.2	2435.7	2404.1	2351.5	2261.9	2103.7
60°	1945.5	1945.5	1961.4	1977.2	1971.8	1977.2	1977.2	1961.4	1908.6	1834.8	1708.3
62.5°	1539.5	1555.3	1544.7	1555.3	1576.4	1555.3	1544.7	1534.3	1497.4	1449.9	1344.4
65°	1165.1	1175.8	1175.8	1181.0	1170.3	1175.8	1154.7	1138.9	1117.8	1065.1	996.5
67.5°	885.8	885.8	885.8	885.8	880.4	875.2	870.0	854.2	817.3	796.2	722.2
70°	680.1	648.4	648.4	648.4	648.4	653.9	638.0	617.0	606.3	569.4	516.7
72.5°	453.3	464.0	453.3	453.3	442.9	448.1	427.1	416.4	406.0	385.0	353.3
75°	326.8	300.6	311.0	316.4	300.6	311.0	289.9	268.9	268.9	253.0	237.2
77.5°	210.9	205.7	210.9	216.1	210.9	205.7	195.1	184.5	184.5	179.3	163.4
80°	153.0	147.6	147.6	147.6	142.4	147.6	137.2	137.2	126.5	121.3	110.7
82.5°	100.3	100.3	94.8	100.3	94.8	100.3	84.4	84.4	84.4	79.0	68.6
85°	68.6	57.9	57.9	63.4	52.7	63.4	57.9	52.7	47.5	47.5	42.1
87.5°	31.7	36.9	31.7	36.9	31.7	31.7	36.9	31.7	31.7	21.1	21.1
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°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10744.9	10750.1	10750.1	10771.4	10781.8	10787.0	10787.0	10829.3	10813.5	10824.1	10834.5
5°	10592.1	10623.6	10634.2	10634.2	10692.2	10713.2	10734.3	10781.8	10787.0	10818.7	10855.6
7.5°	10444.3	10481.2	10502.5	10549.8	10586.7	10623.6	10687.0	10718.6	10750.1	10792.4	10839.7
10°	10302.0	10344.3	10386.4	10423.3	10481.2	10528.8	10570.9	10644.6	10681.8	10739.7	10802.8
12.5°	10165.1	10223.0	10259.9	10323.0	10386.4	10428.5	10491.9	10560.4	10618.4	10676.3	10750.1
15°	10043.7	10112.3	10154.4	10223.0	10291.6	10349.5	10418.1	10502.5	10544.6	10613.2	10681.8
17.5°	9911.8	9985.8	10038.5	10101.7	10186.1	10249.3	10307.4	10391.6	10444.3	10518.1	10597.3
20°	9774.9	9848.6	9911.8	9975.2	10059.6	10122.7	10191.3	10275.7	10333.7	10407.5	10470.8
22.5°	9611.5	9680.0	9748.4	9822.2	9906.6	9959.3	10038.5	10112.3	10175.5	10244.0	10307.4
25°	9400.5	9484.9	9537.7	9606.0	9674.6	9732.5	9817.0	9890.7	9943.5	10006.8	10064.8
27.5°	9152.7	9216.1	9258.2	9316.1	9384.7	9437.4	9500.6	9574.6	9627.3	9685.2	9727.3
30°	8730.8	8789.0	8825.9	8868.0	8936.5	8984.1	9036.8	9105.2	9142.1	9184.4	9221.3
32.5°	8177.2	8224.7	8245.8	8277.5	8325.0	8372.3	8414.6	8472.6	8488.4	8514.7	8514.7
35°	7376.0	7386.4	7381.2	7391.9	7412.9	7439.2	7476.1	7512.9	7534.0	7534.0	7518.4
37.5°	6437.4	6374.3	6305.7	6253.0	6237.1	6226.5	6247.8	6263.4	6284.7	6295.1	6268.8
40°	5462.2	5319.8	5166.8	5029.7	4934.8	4892.7	4876.9	4887.3	4887.3	4924.2	4924.2
42.5°	4623.9	4402.3	4175.7	3970.0	3832.9	3727.6	3680.1	3680.1	3685.3	3711.8	3727.6
45°	3927.9	3648.4	3384.7	3158.2	2968.3	2831.1	2768.0	2752.1	2746.9	2757.4	2794.2
47.5°	3395.4	3105.4	2831.1	2551.8	2351.5	2214.4	2156.4	2135.2	2114.1	2135.2	2140.6
50°	2978.9	2678.4	2388.4	2108.9	1898.0	1776.7	1702.9	1671.2	1666.0	1666.0	1676.6
52.5°	2599.2	2319.9	2029.9	1745.2	1523.6	1407.8	1339.2	1323.3	1302.3	1323.3	1323.3
55°	2240.6	1961.4	1676.6	1407.8	1223.1	1102.0	1038.6	1017.6	1006.9	1022.8	1022.8
57.5°	1850.7	1613.3	1349.8	1107.2	922.7	838.3	790.8	764.5	759.1	769.7	759.1
60°	1518.4	1318.1	1091.4	870.0	727.6	638.0	601.1	590.5	579.9	590.5	590.5
62.5°	1202.0	1033.4	848.7	680.1	558.8	495.7	453.3	453.3	448.1	448.1	453.3
65°	891.1	759.1	627.4	485.0	390.2	342.7	311.0	311.0	305.8	311.0	305.8
67.5°	648.4	558.8	453.3	353.3	279.5	253.0	232.0	216.1	226.8	216.1	210.9
70°	474.6	400.6	326.8	268.9	216.1	189.9	174.0	168.6	158.2	158.2	158.2
72.5°	316.4	268.9	221.4	174.0	142.4	115.9	110.7	100.3	89.6	94.8	105.5
75°	210.9	179.3	158.2	126.5	94.8	94.8	63.4	63.4	52.7	63.4	47.5
77.5°	147.6	121.3	94.8	79.0	63.4	57.9	42.1	42.1	36.9	36.9	36.9
80°	105.5	89.6	68.6	57.9	42.1	42.1	36.9	31.7	26.3	26.3	31.7
82.5°	63.4	47.5	47.5	42.1	26.3	21.1	15.8	21.1	10.6	10.6	10.6
85°	36.9	31.7	26.3	15.8	10.6	10.6	5.2	0.0	5.2	5.2	0.0
87.5°	21.1	10.6	10.6	5.2	0.0	5.2	5.2	0.0	0.0	0.0	10.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10861.0	10855.6	10866.2	10866.2	10897.9	10892.5	10908.3	10908.3	10897.9	10903.1	10924.2
5°	10897.9	10913.7	10945.2	10971.7	11019.0	11040.3	11066.5	11093.0	11098.2	11114.0	11129.9
7.5°	10897.9	10950.6	10987.5	11034.8	11098.2	11135.1	11193.0	11240.6	11261.6	11287.9	11319.6
10°	10876.6	10929.4	10997.9	11050.7	11129.9	11187.8	11245.8	11319.6	11351.2	11393.3	11435.7
12.5°	10834.5	10892.5	10966.3	11034.8	11124.5	11177.2	11251.0	11319.6	11367.1	11425.0	11472.5
15°	10771.4	10839.7	10908.3	10976.9	11071.7	11135.1	11203.7	11282.7	11330.2	11393.3	11435.7
17.5°	10671.1	10744.9	10808.3	10871.4	10961.0	11034.8	11098.2	11172.0	11219.5	11272.2	11330.2
20°	10549.8	10618.4	10687.0	10739.7	10829.3	10892.5	10961.0	11029.6	11066.5	11077.2	11166.8
22.5°	10397.0	10444.3	10497.1	10581.5	10634.2	10692.2	10755.5	10818.7	10855.6	10913.7	10945.2
25°	10143.8	10191.3	10249.3	10286.1	10349.5	10397.0	10460.2	10528.8	10549.8	10592.1	10623.6
27.5°	9790.7	9817.0	9843.4	9874.9	9911.8	9938.3	9975.2	10006.8	10027.9	10048.9	10070.0
30°	9231.7	9231.7	9231.7	9210.6	9226.5	9242.3	9247.5	9242.3	9242.3	9237.1	9237.1
32.5°	8493.6	8451.5	8404.0	8361.9	8346.1	8325.0	8314.4	8298.5	8272.3	8256.4	8261.6
35°	7497.1	7402.3	7344.3	7291.6	7249.5	7217.8	7202.0	7186.1	7180.9	7159.9	7138.6
37.5°	6253.0	6184.4	6142.3	6110.6	6073.7	6042.0	6047.3	6052.7	6068.3	6057.9	6063.1
40°	4934.8	4919.0	4934.8	4898.0	4887.3	4898.0	4924.2	4961.3	4982.4	5003.4	5040.3
42.5°	3753.9	3780.1	3817.2	3817.2	3832.9	3854.1	3885.6	3943.8	3975.2	4012.1	4054.4
45°	2825.9	2857.6	2905.1	2920.8	2931.4	2957.7	2994.8	3042.1	3063.1	3094.8	3131.7
47.5°	2177.5	2198.5	2224.8	2251.3	2277.5	2288.2	2325.1	2325.1	2351.5	2372.6	2383.0
50°	1697.7	1718.7	1739.8	1755.6	1766.3	1782.1	1792.5	1808.4	1813.6	1824.2	1829.4
52.5°	1328.5	1355.0	1355.0	1365.4	1381.3	1397.1	1391.9	1397.1	1402.3	1402.3	1418.2
55°	1038.6	1038.6	1054.5	1054.5	1065.1	1059.7	1065.1	1065.1	1065.1	1065.1	1070.3
57.5°	774.9	780.4	796.2	785.6	780.4	790.8	780.4	790.8	785.6	796.2	780.4
60°	595.7	595.7	601.1	601.1	606.3	606.3	606.3	601.1	601.1	595.7	595.7
62.5°	448.1	453.3	458.8	453.3	453.3	453.3	448.1	448.1	442.9	437.5	437.5
65°	300.6	295.4	305.8	295.4	300.6	300.6	295.4	300.6	284.7	289.9	284.7
67.5°	216.1	210.9	205.7	210.9	205.7	200.3	200.3	205.7	210.9	195.1	195.1
70°	142.4	147.6	142.4	147.6	153.0	153.0	147.6	142.4	147.6	137.2	142.4
72.5°	89.6	89.6	89.6	89.6	89.6	94.8	94.8	94.8	84.4	84.4	79.0
75°	42.1	57.9	47.5	42.1	57.9	57.9	52.7	52.7	47.5	47.5	47.5
77.5°	42.1	31.7	31.7	31.7	31.7	31.7	31.7	31.7	26.3	31.7	26.3
80°	21.1	21.1	21.1	15.8	21.1	21.1	26.3	21.1	21.1	15.8	26.3
82.5°	10.6	10.6	10.6	0.0	5.2	10.6	10.6	5.2	10.6	10.6	5.2
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: P248675

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10918.9	10913.7	10918.9	10924.2	10918.9	10913.7	10918.9	10924.2	10903.1	10897.9	10908.3
5°	11150.9	11150.9	11161.4	11166.8	11161.4	11150.9	11150.9	11129.9	11114.0	11098.2	11093.0
7.5°	11351.2	11361.9	11372.3	11377.5	11372.3	11361.9	11351.2	11319.6	11287.9	11261.6	11240.6
10°	11472.5	11488.4	11509.4	11519.9	11509.4	11488.4	11472.5	11435.7	11393.3	11351.2	11319.6
12.5°	11525.3	11541.1	11567.4	11562.2	11567.4	11541.1	11525.3	11472.5	11425.0	11367.1	11319.6
15°	11488.4	11509.4	11535.7	11546.3	11535.7	11509.4	11488.4	11435.7	11393.3	11330.2	11282.7
17.5°	11372.3	11404.0	11419.8	11435.7	11419.8	11404.0	11372.3	11330.2	11272.2	11219.5	11172.0
20°	11214.1	11235.4	11256.4	11261.6	11256.4	11235.4	11214.1	11166.8	11077.2	11066.5	11029.6
22.5°	10987.5	11003.4	11050.7	11034.8	11050.7	11003.4	10987.5	10945.2	10913.7	10855.6	10818.7
25°	10660.5	10676.3	10681.8	10687.0	10681.8	10676.3	10660.5	10623.6	10592.1	10549.8	10528.8
27.5°	10096.5	10096.5	10106.9	10112.3	10106.9	10096.5	10096.5	10070.0	10048.9	10027.9	10006.8
30°	9242.3	9242.3	9242.3	9268.8	9242.3	9242.3	9242.3	9237.1	9237.1	9242.3	9242.3
32.5°	8256.4	8245.8	8235.4	8245.8	8235.4	8245.8	8256.4	8261.6	8256.4	8272.3	8298.5
35°	7138.6	7133.4	7149.2	7128.2	7149.2	7133.4	7138.6	7138.6	7159.9	7180.9	7186.1
37.5°	6068.3	6057.9	6078.9	6057.9	6078.9	6057.9	6068.3	6063.1	6057.9	6068.3	6052.7
40°	5050.9	5061.4	5061.4	5103.7	5061.4	5061.4	5050.9	5040.3	5003.4	4982.4	4961.3
42.5°	4075.5	4107.2	4096.5	4128.2	4096.5	4107.2	4075.5	4054.4	4012.1	3975.2	3943.8
45°	3152.7	3174.0	3174.0	3184.4	3174.0	3174.0	3152.7	3131.7	3094.8	3063.1	3042.1
47.5°	2419.9	2419.9	2419.9	2425.3	2419.9	2419.9	2419.9	2383.0	2372.6	2351.5	2325.1
50°	1840.0	1845.3	1850.7	1855.9	1850.7	1845.3	1840.0	1829.4	1824.2	1813.6	1808.4
52.5°	1413.0	1418.2	1407.8	1418.2	1407.8	1418.2	1413.0	1418.2	1402.3	1402.3	1397.1
55°	1070.3	1065.1	1070.3	1075.5	1070.3	1065.1	1070.3	1070.3	1065.1	1065.1	1065.1
57.5°	785.6	774.9	774.9	774.9	774.9	774.9	785.6	780.4	796.2	785.6	790.8
60°	585.3	590.5	590.5	595.7	590.5	590.5	585.3	595.7	595.7	601.1	601.1
62.5°	432.3	448.1	437.5	448.1	437.5	448.1	432.3	437.5	437.5	442.9	448.1
65°	279.5	279.5	279.5	284.7	279.5	279.5	279.5	284.7	289.9	284.7	300.6
67.5°	189.9	195.1	205.7	200.3	205.7	195.1	189.9	195.1	195.1	210.9	205.7
70°	153.0	137.2	137.2	153.0	137.2	137.2	153.0	142.4	137.2	147.6	142.4
72.5°	89.6	79.0	89.6	89.6	89.6	79.0	89.6	79.0	84.4	84.4	94.8
75°	47.5	42.1	36.9	52.7	36.9	42.1	47.5	47.5	47.5	47.5	52.7
77.5°	31.7	26.3	36.9	36.9	36.9	26.3	31.7	26.3	31.7	26.3	31.7
80°	15.8	21.1	15.8	26.3	15.8	21.1	15.8	26.3	15.8	21.1	21.1
82.5°	5.2	10.6	10.6	10.6	10.6	10.6	5.2	5.2	10.6	10.6	5.2
85°	0.0	10.6	5.2	5.2	5.2	10.6	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	0.0	0.0	5.2	0.0	0.0	5.2	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: P248675

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10908.3	10892.5	10897.9	10866.2	10866.2	10855.6	10861.0	10834.5	10824.1	10813.5	10829.3
5°	11066.5	11040.3	11019.0	10971.7	10945.2	10913.7	10897.9	10855.6	10818.7	10787.0	10781.8
7.5°	11193.0	11135.1	11098.2	11034.8	10987.5	10950.6	10897.9	10839.7	10792.4	10750.1	10718.6
10°	11245.8	11187.8	11129.9	11050.7	10997.9	10929.4	10876.6	10802.8	10739.7	10681.8	10644.6
12.5°	11251.0	11177.2	11124.5	11034.8	10966.3	10892.5	10834.5	10750.1	10676.3	10618.4	10560.4
15°	11203.7	11135.1	11071.7	10976.9	10908.3	10839.7	10771.4	10681.8	10613.2	10544.6	10502.5
17.5°	11098.2	11034.8	10961.0	10871.4	10808.3	10744.9	10671.1	10597.3	10518.1	10444.3	10391.6
20°	10961.0	10892.5	10829.3	10739.7	10687.0	10618.4	10549.8	10470.8	10407.5	10333.7	10275.7
22.5°	10755.5	10692.2	10634.2	10581.5	10497.1	10444.3	10397.0	10307.4	10244.0	10175.5	10112.3
25°	10460.2	10397.0	10349.5	10286.1	10249.3	10191.3	10143.8	10064.8	10006.8	9943.5	9890.7
27.5°	9975.2	9938.3	9911.8	9874.9	9843.4	9817.0	9790.7	9727.3	9685.2	9627.3	9574.6
30°	9247.5	9242.3	9226.5	9210.6	9231.7	9231.7	9231.7	9221.3	9184.4	9142.1	9105.2
32.5°	8314.4	8325.0	8346.1	8361.9	8404.0	8451.5	8493.6	8514.7	8514.7	8488.4	8472.6
35°	7202.0	7217.8	7249.5	7291.6	7344.3	7402.3	7497.1	7518.4	7534.0	7534.0	7512.9
37.5°	6047.3	6042.0	6073.7	6110.6	6142.3	6184.4	6253.0	6268.8	6295.1	6284.7	6263.4
40°	4924.2	4898.0	4887.3	4898.0	4934.8	4919.0	4934.8	4924.2	4924.2	4887.3	4887.3
42.5°	3885.6	3854.1	3832.9	3817.2	3817.2	3780.1	3753.9	3727.6	3711.8	3685.3	3680.1
45°	2994.8	2957.7	2931.4	2920.8	2905.1	2857.6	2825.9	2794.2	2757.4	2746.9	2752.1
47.5°	2325.1	2288.2	2277.5	2251.3	2224.8	2198.5	2177.5	2140.6	2135.2	2114.1	2135.2
50°	1792.5	1782.1	1766.3	1755.6	1739.8	1718.7	1697.7	1676.6	1666.0	1666.0	1671.2
52.5°	1391.9	1397.1	1381.3	1365.4	1355.0	1355.0	1328.5	1323.3	1323.3	1302.3	1323.3
55°	1065.1	1059.7	1065.1	1054.5	1054.5	1038.6	1038.6	1022.8	1022.8	1006.9	1017.6
57.5°	780.4	790.8	780.4	785.6	796.2	780.4	774.9	759.1	769.7	759.1	764.5
60°	606.3	606.3	606.3	601.1	601.1	595.7	595.7	590.5	590.5	579.9	590.5
62.5°	448.1	453.3	453.3	453.3	458.8	453.3	448.1	453.3	448.1	448.1	453.3
65°	295.4	300.6	300.6	295.4	305.8	295.4	300.6	305.8	311.0	305.8	311.0
67.5°	200.3	200.3	205.7	210.9	205.7	210.9	216.1	210.9	216.1	226.8	216.1
70°	147.6	153.0	153.0	147.6	142.4	147.6	142.4	158.2	158.2	158.2	168.6
72.5°	94.8	94.8	89.6	89.6	89.6	89.6	89.6	105.5	94.8	89.6	100.3
75°	52.7	57.9	57.9	42.1	47.5	57.9	42.1	47.5	63.4	52.7	63.4
77.5°	31.7	31.7	31.7	31.7	31.7	31.7	42.1	36.9	36.9	36.9	42.1
80°	26.3	21.1	21.1	15.8	21.1	21.1	21.1	31.7	26.3	26.3	31.7
82.5°	10.6	10.6	5.2	0.0	10.6	10.6	10.6	10.6	10.6	10.6	21.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	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: P248675

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10787.0	10787.0	10781.8	10771.4	10750.1	10750.1	10744.9	10729.1	10718.6	10713.2	10713.2
5°	10734.3	10713.2	10692.2	10634.2	10634.2	10623.6	10592.1	10570.9	10560.4	10534.0	10523.6
7.5°	10687.0	10623.6	10586.7	10549.8	10502.5	10481.2	10444.3	10428.5	10391.6	10365.4	10349.5
10°	10570.9	10528.8	10481.2	10423.3	10386.4	10344.3	10302.0	10270.5	10223.0	10196.5	10175.5
12.5°	10491.9	10428.5	10386.4	10323.0	10259.9	10223.0	10165.1	10128.2	10080.6	10027.9	9996.2
15°	10418.1	10349.5	10291.6	10223.0	10154.4	10112.3	10043.7	10001.6	9933.1	9880.3	9843.4
17.5°	10307.4	10249.3	10186.1	10101.7	10038.5	9985.8	9911.8	9859.3	9795.9	9727.3	9690.4
20°	10191.3	10122.7	10059.6	9975.2	9911.8	9848.6	9774.9	9716.9	9642.9	9579.8	9537.7
22.5°	10038.5	9959.3	9906.6	9822.2	9748.4	9680.0	9611.5	9542.9	9474.3	9421.6	9374.0
25°	9817.0	9732.5	9674.6	9606.0	9537.7	9484.9	9400.5	9358.4	9289.8	9242.3	9194.8
27.5°	9500.6	9437.4	9384.7	9316.1	9258.2	9216.1	9152.7	9110.6	9052.4	9010.3	8973.4
30°	9036.8	8984.1	8936.5	8868.0	8825.9	8789.0	8730.8	8693.9	8651.8	8604.3	8593.9
32.5°	8414.6	8372.3	8325.0	8277.5	8245.8	8224.7	8177.2	8156.2	8114.1	8087.6	8061.3
35°	7476.1	7439.2	7412.9	7391.9	7381.2	7386.4	7376.0	7397.1	7407.5	7402.3	7407.5
37.5°	6247.8	6226.5	6237.1	6253.0	6305.7	6374.3	6437.4	6532.3	6595.6	6659.0	6716.9
40°	4876.9	4892.7	4934.8	5029.7	5166.8	5319.8	5462.2	5641.4	5820.7	5947.2	6063.1
42.5°	3680.1	3727.6	3832.9	3970.0	4175.7	4402.3	4623.9	4887.3	5103.7	5314.4	5462.2
45°	2768.0	2831.1	2968.3	3158.2	3384.7	3648.4	3927.9	4223.0	4481.5	4697.7	4861.1
47.5°	2156.4	2214.4	2351.5	2551.8	2831.1	3105.4	3395.4	3701.1	3970.0	4180.9	4323.3
50°	1702.9	1776.7	1898.0	2108.9	2388.4	2678.4	2978.9	3279.3	3532.5	3711.8	3838.3
52.5°	1339.2	1407.8	1523.6	1745.2	2029.9	2319.9	2599.2	2894.5	3115.9	3289.9	3374.3
55°	1038.6	1102.0	1223.1	1407.8	1676.6	1961.4	2240.6	2493.9	2699.4	2825.9	2905.1
57.5°	790.8	838.3	922.7	1107.2	1349.8	1613.3	1850.7	2103.7	2261.9	2351.5	2404.1
60°	601.1	638.0	727.6	870.0	1091.4	1318.1	1518.4	1708.3	1834.8	1908.6	1961.4
62.5°	453.3	495.7	558.8	680.1	848.7	1033.4	1202.0	1344.4	1449.9	1497.4	1534.3
65°	311.0	342.7	390.2	485.0	627.4	759.1	891.1	996.5	1065.1	1117.8	1138.9
67.5°	232.0	253.0	279.5	353.3	453.3	558.8	648.4	722.2	796.2	817.3	854.2
70°	174.0	189.9	216.1	268.9	326.8	400.6	474.6	516.7	569.4	606.3	617.0
72.5°	110.7	115.9	142.4	174.0	221.4	268.9	316.4	353.3	385.0	406.0	416.4
75°	63.4	94.8	94.8	126.5	158.2	179.3	210.9	237.2	253.0	268.9	268.9
77.5°	42.1	57.9	63.4	79.0	94.8	121.3	147.6	163.4	179.3	184.5	184.5
80°	36.9	42.1	42.1	57.9	68.6	89.6	105.5	110.7	121.3	126.5	137.2
82.5°	15.8	21.1	26.3	42.1	47.5	47.5	63.4	68.6	79.0	84.4	84.4
85°	5.2	10.6	10.6	15.8	26.3	31.7	36.9	42.1	47.5	47.5	52.7
87.5°	5.2	5.2	0.0	5.2	10.6	10.6	21.1	21.1	21.1	31.7	31.7
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: P248675

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6	10797.6
2.5°	10702.8	10708.0	10687.0	10681.8	10671.1	10676.3	10687.0
5°	10507.7	10512.9	10491.9	10470.8	10470.8	10465.4	10470.8
7.5°	10323.0	10328.5	10296.8	10286.1	10265.1	10270.5	10270.5
10°	10138.6	10138.6	10091.3	10085.8	10070.0	10064.8	10064.8
12.5°	9959.3	9943.5	9906.6	9885.5	9896.2	9864.5	9864.5
15°	9801.1	9774.9	9727.3	9711.5	9685.2	9674.6	9674.6
17.5°	9637.7	9616.7	9574.6	9542.9	9511.2	9506.0	9511.2
20°	9479.5	9458.5	9405.7	9384.7	9358.4	9358.4	9347.8
22.5°	9321.3	9300.3	9252.9	9237.1	9200.2	9200.2	9205.4
25°	9157.9	9142.1	9089.3	9078.9	9073.7	9052.4	9063.1
27.5°	8936.5	8925.9	8883.8	8868.0	8846.9	8841.7	8852.1
30°	8530.5	8514.7	8483.2	8467.4	8430.5	8435.7	8446.1
32.5°	8024.4	8003.4	7961.1	7945.2	7913.8	7903.1	7908.3
35°	7391.9	7376.0	7339.1	7339.1	7307.4	7296.8	7307.4
37.5°	6748.6	6764.3	6748.6	6764.3	6748.6	6743.2	6748.6
40°	6142.3	6200.2	6210.7	6268.8	6247.8	6279.2	6274.0
42.5°	5562.2	5657.1	5694.2	5741.5	5731.1	5752.1	5768.0
45°	4976.9	5056.2	5093.1	5124.7	5129.9	5140.6	5145.8
47.5°	4423.4	4486.7	4491.9	4528.8	4523.6	4523.6	4539.5
50°	3906.9	3949.0	3959.4	3985.9	3964.8	3954.2	3959.4
52.5°	3427.1	3469.2	3458.5	3469.2	3442.9	3432.3	3437.5
55°	2936.6	2957.7	2957.7	2957.7	2926.2	2926.2	2926.2
57.5°	2435.7	2441.2	2430.5	2435.7	2430.5	2398.8	2393.6
60°	1977.2	1977.2	1971.8	1977.2	1961.4	1945.5	1945.5
62.5°	1544.7	1555.3	1576.4	1555.3	1544.7	1555.3	1539.5
65°	1154.7	1175.8	1170.3	1181.0	1175.8	1175.8	1165.1
67.5°	870.0	875.2	880.4	885.8	885.8	885.8	885.8
70°	638.0	653.9	648.4	648.4	648.4	648.4	680.1
72.5°	427.1	448.1	442.9	453.3	453.3	464.0	453.3
75°	289.9	311.0	300.6	316.4	311.0	300.6	326.8
77.5°	195.1	205.7	210.9	216.1	210.9	205.7	210.9
80°	137.2	147.6	142.4	147.6	147.6	147.6	153.0
82.5°	84.4	100.3	94.8	100.3	94.8	100.3	100.3
85°	57.9	63.4	52.7	63.4	57.9	57.9	68.6
87.5°	36.9	31.7	31.7	36.9	31.7	36.9	31.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)