

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: P248567

Luminaire Tested: **LD8B175D010 ER8B175835 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248567
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18349.0 lumens
Efficiency: N/A
Efficacy: 103.5 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

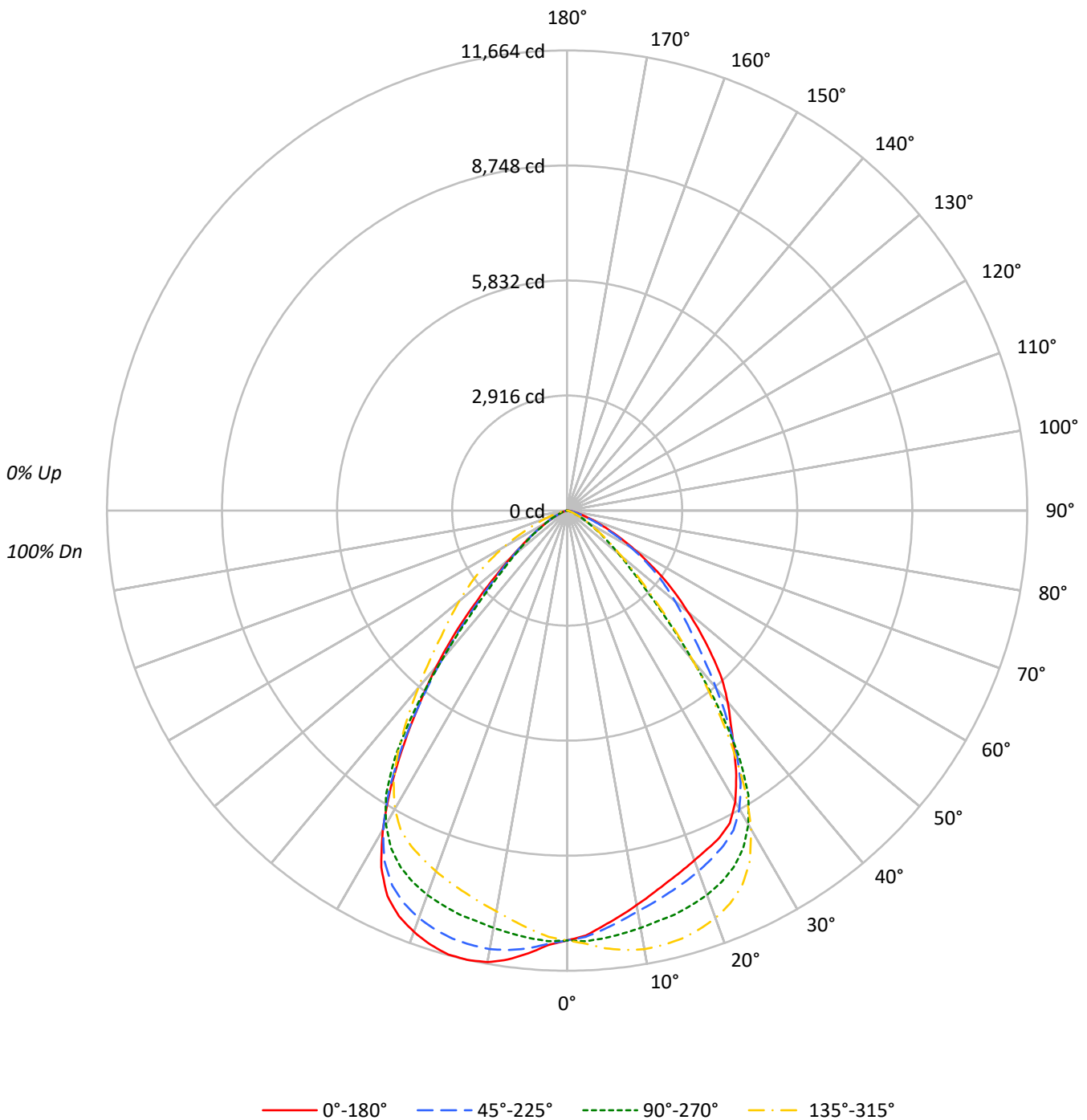
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	335906	335906	335906	335906
5°	326984	336694	348717	336694
10°	317939	336257	363902	336257
15°	311586	338252	371868	338252
20°	309465	340187	372825	340187
25°	311093	339503	366834	339503
30°	303401	327076	332951	327076
35°	277517	285324	270711	285324
40°	254791	198476	207264	198476
45°	226388	121081	140099	121081
50°	191623	80882	89819	80882
55°	158709	55192	58331	55192
60°	121045	36738	37065	36738
65°	85770	22889	20956	22889
70°	61858	15336	13912	15336
75°	39281	7613	6338	7613
80°	27400	5683	4706	5683
85°	24483	0	1875	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.8	5.7
10°-20°	3002.5	16.4
20°-30°	4546.4	24.8
30°-40°	4556.6	24.8
40°-50°	2861.3	15.6
50°-60°	1524.8	8.3
60°-70°	627.0	3.4
70°-80°	165.7	0.9
80°-90°	28.0	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°	8585.7	46.8
0°-40°	13142.2	71.6
0°-60°	17528.3	95.5
0°-90°	18349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18349.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10893	10893	10893	10893	10893	
5°	10564	10877	11266	10877	10564	996
15°	9760	10596	11648	10596	9760	2760
25°	9143	9978	10782	9978	9143	4193
35°	7372	7580	7191	7580	7372	4619
45°	5191	2776	3213	2776	5191	3993
55°	2952	1027	1085	1027	2952	2632
65°	1176	314	287	314	1176	1219
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°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	10781.6	10770.8	10765.6	10776.3	10781.6	10802.8	10797.5	10808.1	10808.1	10813.5	10824.0
5°	10563.5	10558.0	10563.5	10563.5	10584.7	10606.0	10600.7	10616.7	10627.2	10653.9	10664.4
7.5°	10361.4	10361.4	10356.0	10377.2	10387.9	10419.9	10414.4	10441.1	10457.1	10483.6	10520.8
10°	10153.9	10153.9	10159.1	10175.1	10180.6	10228.3	10228.3	10265.5	10286.8	10313.5	10361.4
12.5°	9951.8	9951.8	9983.8	9973.0	9994.3	10031.5	10047.5	10084.7	10116.7	10169.9	10217.8
15°	9760.2	9760.2	9771.0	9797.5	9813.4	9861.4	9887.9	9930.6	9967.8	10021.0	10090.2
17.5°	9595.4	9590.1	9595.4	9627.4	9659.3	9701.8	9723.0	9776.2	9813.4	9882.6	9946.6
20°	9430.5	9441.3	9441.3	9467.7	9489.0	9542.2	9563.4	9622.1	9664.6	9728.3	9802.9
22.5°	9286.9	9281.7	9281.7	9318.9	9334.9	9382.6	9403.8	9457.0	9505.0	9558.2	9627.4
25°	9143.3	9132.6	9154.0	9159.3	9169.8	9223.0	9239.0	9276.2	9324.1	9372.1	9441.3
27.5°	8930.5	8920.0	8925.2	8946.5	8962.5	9004.9	9015.7	9052.9	9090.1	9132.6	9191.2
30°	8520.9	8510.4	8505.1	8542.3	8558.3	8590.0	8606.0	8670.0	8680.5	8728.4	8770.9
32.5°	7978.3	7973.1	7983.8	8015.6	8031.5	8074.2	8095.5	8132.7	8159.2	8185.9	8228.4
35°	7372.1	7361.4	7372.1	7404.1	7404.1	7441.3	7457.3	7473.1	7467.8	7473.1	7462.5
37.5°	6808.4	6802.9	6808.4	6824.1	6808.4	6824.1	6808.4	6776.4	6718.0	6654.0	6590.1
40°	6329.6	6334.8	6303.1	6324.3	6265.6	6255.1	6196.7	6116.8	5999.9	5872.2	5691.4
42.5°	5819.0	5803.0	5781.8	5792.3	5744.6	5707.1	5611.5	5510.5	5361.4	5148.9	4930.6
45°	5191.3	5186.1	5175.4	5170.1	5138.1	5100.9	5021.0	4904.1	4739.2	4521.2	4260.4
47.5°	4579.6	4563.7	4563.7	4568.9	4531.7	4526.4	4462.5	4361.6	4218.0	4005.2	3733.9
50°	3994.4	3989.2	3999.9	4021.1	3994.4	3983.9	3941.4	3872.3	3744.6	3563.8	3308.3
52.5°	3467.9	3462.6	3473.4	3499.9	3489.1	3499.9	3457.4	3404.2	3319.0	3143.4	2920.1
55°	2952.1	2952.1	2952.1	2983.8	2983.8	2983.8	2962.6	2930.9	2850.9	2723.3	2516.0
57.5°	2414.8	2420.1	2452.0	2457.3	2452.0	2462.8	2457.3	2425.3	2372.4	2281.9	2122.3
60°	1962.7	1962.7	1978.7	1994.7	1989.2	1994.7	1994.7	1978.7	1925.5	1851.1	1723.4
62.5°	1553.1	1569.1	1558.4	1569.1	1590.3	1569.1	1558.4	1547.9	1510.6	1462.7	1356.3
65°	1175.5	1186.2	1186.2	1191.4	1180.7	1186.2	1164.9	1149.0	1127.7	1074.5	1005.3
67.5°	893.7	893.7	893.7	893.7	888.2	883.0	877.7	861.7	824.5	803.3	728.6
70°	686.1	654.2	654.2	654.2	654.2	659.6	643.7	622.4	611.7	574.5	521.3
72.5°	457.4	468.1	457.4	457.4	446.8	452.1	430.9	420.1	409.6	388.4	356.4
75°	329.7	303.2	313.7	319.2	303.2	313.7	292.5	271.3	271.3	255.3	239.3
77.5°	212.8	207.5	212.8	218.1	212.8	207.5	196.8	186.1	186.1	180.8	164.9
80°	154.3	148.9	148.9	148.9	143.6	148.9	138.4	138.4	127.6	122.4	111.7
82.5°	101.1	101.1	95.7	101.1	95.7	101.1	85.2	85.2	85.2	79.7	69.2
85°	69.2	58.5	58.5	63.9	53.2	63.9	58.5	53.2	47.9	47.9	42.5
87.5°	32.0	37.2	32.0	37.2	32.0	32.0	37.2	32.0	32.0	21.2	21.2
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°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	10840.0	10845.3	10845.3	10866.7	10877.2	10882.5	10882.5	10925.2	10909.2	10919.9	10930.4
5°	10685.9	10717.6	10728.4	10728.4	10786.8	10808.1	10829.3	10877.2	10882.5	10914.5	10951.7
7.5°	10536.8	10574.0	10595.5	10643.2	10680.4	10717.6	10781.6	10813.5	10845.3	10888.0	10935.7
10°	10393.2	10435.9	10478.3	10515.6	10574.0	10622.0	10664.4	10738.9	10776.3	10834.8	10898.5
12.5°	10255.0	10313.5	10350.7	10414.4	10478.3	10520.8	10584.7	10653.9	10712.4	10770.8	10845.3
15°	10132.6	10201.8	10244.3	10313.5	10382.7	10441.1	10510.3	10595.5	10637.9	10707.1	10776.3
17.5°	9999.5	10074.2	10127.4	10191.1	10276.3	10340.0	10398.7	10483.6	10536.8	10611.2	10691.1
20°	9861.4	9935.8	9999.5	10063.5	10148.6	10212.3	10281.5	10366.7	10425.1	10499.6	10563.5
22.5°	9696.5	9765.7	9834.7	9909.1	9994.3	10047.5	10127.4	10201.8	10265.5	10334.7	10398.7
25°	9483.7	9568.9	9622.1	9691.1	9760.2	9818.7	9903.9	9978.3	10031.5	10095.4	10153.9
27.5°	9233.7	9297.6	9340.1	9398.6	9467.7	9520.9	9584.7	9659.3	9712.5	9771.0	9813.4
30°	8808.1	8866.8	8904.0	8946.5	9015.7	9063.6	9116.8	9185.8	9223.0	9265.7	9302.9
32.5°	8249.6	8297.6	8318.8	8350.8	8398.7	8446.4	8489.1	8547.6	8563.6	8590.0	8590.0
35°	7441.3	7451.8	7446.6	7457.3	7478.5	7505.0	7542.2	7579.5	7600.7	7600.7	7584.9
37.5°	6494.4	6430.7	6361.5	6308.3	6292.3	6281.6	6303.1	6318.8	6340.3	6350.8	6324.3
40°	5510.5	5366.9	5212.6	5074.2	4978.5	4936.1	4920.1	4930.6	4930.6	4967.8	4967.8
42.5°	4664.8	4441.3	4212.7	4005.2	3866.8	3760.6	3712.7	3712.7	3717.9	3744.6	3760.6
45°	3962.7	3680.7	3414.7	3186.1	2994.6	2856.2	2792.5	2776.5	2771.3	2781.8	2819.0
47.5°	3425.4	3132.9	2856.2	2574.4	2372.4	2234.0	2175.5	2154.1	2132.8	2154.1	2159.6
50°	3005.3	2702.1	2409.6	2127.6	1914.8	1792.4	1718.0	1686.0	1680.7	1680.7	1691.5
52.5°	2622.2	2340.4	2047.9	1760.7	1537.1	1420.2	1351.0	1335.1	1313.8	1335.1	1335.1
55°	2260.5	1978.7	1691.5	1420.2	1233.9	1111.7	1047.8	1026.6	1015.8	1031.8	1031.8
57.5°	1867.1	1627.5	1361.8	1117.0	930.9	845.7	797.8	771.3	765.8	776.6	765.8
60°	1531.9	1329.8	1101.0	877.7	734.1	643.7	606.4	595.7	585.0	595.7	595.7
62.5°	1212.7	1042.6	856.2	686.1	563.8	500.0	457.4	457.4	452.1	452.1	457.4
65°	898.9	765.8	632.9	489.3	393.6	345.7	313.7	313.7	308.5	313.7	308.5
67.5°	654.2	563.8	457.4	356.4	282.0	255.3	234.0	218.1	228.8	218.1	212.8
70°	478.8	404.1	329.7	271.3	218.1	191.6	175.6	170.1	159.6	159.6	159.6
72.5°	319.2	271.3	223.3	175.6	143.6	116.9	111.7	101.1	90.4	95.7	106.4
75°	212.8	180.8	159.6	127.6	95.7	95.7	63.9	63.9	53.2	63.9	47.9
77.5°	148.9	122.4	95.7	79.7	63.9	58.5	42.5	42.5	37.2	37.2	37.2
80°	106.4	90.4	69.2	58.5	42.5	42.5	37.2	32.0	26.5	26.5	32.0
82.5°	63.9	47.9	47.9	42.5	26.5	21.2	16.0	21.2	10.7	10.7	10.7
85°	37.2	32.0	26.5	16.0	10.7	10.7	5.3	0.0	5.3	5.3	0.0
87.5°	21.2	10.7	10.7	5.3	0.0	5.3	5.3	0.0	0.0	0.0	10.7
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°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	10957.1	10951.7	10962.4	10962.4	10994.4	10988.9	11004.9	11004.9	10994.4	10999.6	11020.9
5°	10994.4	11010.3	11042.1	11068.8	11116.5	11138.0	11164.5	11191.2	11196.4	11212.4	11228.4
7.5°	10994.4	11047.6	11084.8	11132.5	11196.4	11233.7	11292.1	11340.1	11361.3	11387.8	11419.8
10°	10972.9	11026.1	11095.3	11148.5	11228.4	11286.9	11345.3	11419.8	11451.7	11494.2	11536.9
12.5°	10930.4	10988.9	11063.3	11132.5	11222.9	11276.1	11350.6	11419.8	11467.7	11526.2	11574.1
15°	10866.7	10935.7	11004.9	11074.1	11169.7	11233.7	11302.8	11382.5	11430.5	11494.2	11536.9
17.5°	10765.6	10840.0	10903.9	10967.7	11058.1	11132.5	11196.4	11270.9	11318.8	11372.0	11430.5
20°	10643.2	10712.4	10781.6	10834.8	10925.2	10988.9	11058.1	11127.3	11164.5	11175.2	11265.6
22.5°	10489.1	10536.8	10590.0	10675.2	10728.4	10786.8	10850.7	10914.5	10951.7	11010.3	11042.1
25°	10233.6	10281.5	10340.0	10377.2	10441.1	10489.1	10552.8	10622.0	10643.2	10685.9	10717.6
27.5°	9877.4	9903.9	9930.6	9962.3	9999.5	10026.2	10063.5	10095.4	10116.7	10137.9	10159.1
30°	9313.4	9313.4	9313.4	9292.2	9308.1	9324.1	9329.4	9324.1	9324.1	9318.9	9318.9
32.5°	8568.8	8526.3	8478.4	8435.9	8419.9	8398.7	8388.0	8372.0	8345.5	8329.5	8334.8
35°	7563.5	7467.8	7409.3	7356.1	7313.7	7281.7	7265.7	7249.7	7244.5	7223.2	7201.8
37.5°	6308.3	6239.1	6196.7	6164.7	6127.5	6095.5	6100.8	6106.3	6122.0	6111.5	6116.8
40°	4978.5	4962.5	4978.5	4941.3	4930.6	4941.3	4967.8	5005.2	5026.5	5047.7	5084.9
42.5°	3787.1	3813.6	3851.0	3851.0	3866.8	3888.2	3920.0	3978.7	4010.4	4047.6	4090.3
45°	2850.9	2882.9	2930.9	2946.6	2957.3	2983.8	3021.3	3069.0	3090.2	3122.2	3159.4
47.5°	2196.8	2218.0	2244.5	2271.2	2297.7	2308.4	2345.6	2345.6	2372.4	2393.6	2404.1
50°	1712.7	1733.9	1755.2	1771.2	1781.9	1797.9	1808.4	1824.4	1829.6	1840.3	1845.6
52.5°	1340.3	1367.0	1367.0	1377.5	1393.5	1409.5	1404.2	1409.5	1414.7	1414.7	1430.7
55°	1047.8	1047.8	1063.8	1063.8	1074.5	1069.0	1074.5	1074.5	1074.5	1074.5	1079.8
57.5°	781.8	787.3	803.3	792.5	787.3	797.8	787.3	797.8	792.5	803.3	787.3
60°	601.0	601.0	606.4	606.4	611.7	611.7	611.7	606.4	606.4	601.0	601.0
62.5°	452.1	457.4	462.8	457.4	457.4	457.4	452.1	452.1	446.8	441.4	441.4
65°	303.2	298.0	308.5	298.0	303.2	303.2	298.0	303.2	287.2	292.5	287.2
67.5°	218.1	212.8	207.5	212.8	207.5	202.1	202.1	207.5	212.8	196.8	196.8
70°	143.6	148.9	143.6	148.9	154.3	154.3	148.9	143.6	148.9	138.4	143.6
72.5°	90.4	90.4	90.4	90.4	90.4	95.7	95.7	95.7	85.2	85.2	79.7
75°	42.5	58.5	47.9	42.5	58.5	58.5	53.2	53.2	47.9	47.9	47.9
77.5°	42.5	32.0	32.0	32.0	32.0	32.0	32.0	32.0	26.5	32.0	26.5
80°	21.2	21.2	21.2	16.0	21.2	21.2	26.5	21.2	21.2	16.0	26.5
82.5°	10.7	10.7	10.7	0.0	5.3	10.7	10.7	5.3	10.7	10.7	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: P248567

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	11015.6	11010.3	11015.6	11020.9	11015.6	11010.3	11015.6	11020.9	10999.6	10994.4	11004.9
5°	11249.6	11249.6	11260.2	11265.6	11260.2	11249.6	11249.6	11228.4	11212.4	11196.4	11191.2
7.5°	11451.7	11462.4	11473.0	11478.2	11473.0	11462.4	11451.7	11419.8	11387.8	11361.3	11340.1
10°	11574.1	11590.1	11611.3	11621.8	11611.3	11590.1	11574.1	11536.9	11494.2	11451.7	11419.8
12.5°	11627.3	11643.3	11669.8	11664.5	11669.8	11643.3	11627.3	11574.1	11526.2	11467.7	11419.8
15°	11590.1	11611.3	11637.8	11648.5	11637.8	11611.3	11590.1	11536.9	11494.2	11430.5	11382.5
17.5°	11473.0	11504.9	11520.9	11536.9	11520.9	11504.9	11473.0	11430.5	11372.0	11318.8	11270.9
20°	11313.4	11334.8	11356.0	11361.3	11356.0	11334.8	11313.4	11265.6	11175.2	11164.5	11127.3
22.5°	11084.8	11100.8	11148.5	11132.5	11148.5	11100.8	11084.8	11042.1	11010.3	10951.7	10914.5
25°	10754.9	10770.8	10776.3	10781.6	10776.3	10770.8	10754.9	10717.6	10685.9	10643.2	10622.0
27.5°	10185.8	10185.8	10196.4	10201.8	10196.4	10185.8	10185.8	10159.1	10137.9	10116.7	10095.4
30°	9324.1	9324.1	9324.1	9350.8	9324.1	9324.1	9324.1	9318.9	9318.9	9324.1	9324.1
32.5°	8329.5	8318.8	8308.3	8318.8	8308.3	8318.8	8329.5	8334.8	8329.5	8345.5	8372.0
35°	7201.8	7196.5	7212.5	7191.3	7212.5	7196.5	7201.8	7201.8	7223.2	7244.5	7249.7
37.5°	6122.0	6111.5	6132.7	6111.5	6132.7	6111.5	6122.0	6116.8	6111.5	6122.0	6106.3
40°	5095.7	5106.2	5106.2	5148.9	5106.2	5106.2	5095.7	5084.9	5047.7	5026.5	5005.2
42.5°	4111.6	4143.5	4132.8	4164.8	4132.8	4143.5	4111.6	4090.3	4047.6	4010.4	3978.7
45°	3180.7	3202.1	3202.1	3212.6	3202.1	3202.1	3180.7	3159.4	3122.2	3090.2	3069.0
47.5°	2441.3	2441.3	2441.3	2446.8	2441.3	2441.3	2441.3	2404.1	2393.6	2372.4	2345.6
50°	1856.3	1861.6	1867.1	1872.3	1867.1	1861.6	1856.3	1845.6	1840.3	1829.6	1824.4
52.5°	1425.5	1430.7	1420.2	1430.7	1420.2	1430.7	1425.5	1430.7	1414.7	1414.7	1409.5
55°	1079.8	1074.5	1079.8	1085.0	1079.8	1074.5	1079.8	1079.8	1074.5	1074.5	1074.5
57.5°	792.5	781.8	781.8	781.8	781.8	781.8	792.5	787.3	803.3	792.5	797.8
60°	590.5	595.7	595.7	601.0	595.7	595.7	590.5	601.0	601.0	606.4	606.4
62.5°	436.1	452.1	441.4	452.1	441.4	452.1	436.1	441.4	441.4	446.8	452.1
65°	282.0	282.0	282.0	287.2	282.0	282.0	282.0	287.2	292.5	287.2	303.2
67.5°	191.6	196.8	207.5	202.1	207.5	196.8	191.6	196.8	196.8	212.8	207.5
70°	154.3	138.4	138.4	154.3	138.4	138.4	154.3	143.6	138.4	148.9	143.6
72.5°	90.4	79.7	90.4	90.4	90.4	79.7	90.4	79.7	85.2	85.2	95.7
75°	47.9	42.5	37.2	53.2	37.2	42.5	47.9	47.9	47.9	47.9	53.2
77.5°	32.0	26.5	37.2	37.2	37.2	26.5	32.0	26.5	32.0	26.5	32.0
80°	16.0	21.2	16.0	26.5	16.0	21.2	16.0	26.5	16.0	21.2	21.2
82.5°	5.3	10.7	10.7	10.7	10.7	10.7	5.3	5.3	10.7	10.7	5.3
85°	0.0	10.7	5.3	5.3	5.3	10.7	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: P248567

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	11004.9	10988.9	10994.4	10962.4	10962.4	10951.7	10957.1	10930.4	10919.9	10909.2	10925.2
5°	11164.5	11138.0	11116.5	11068.8	11042.1	11010.3	10994.4	10951.7	10914.5	10882.5	10877.2
7.5°	11292.1	11233.7	11196.4	11132.5	11084.8	11047.6	10994.4	10935.7	10888.0	10845.3	10813.5
10°	11345.3	11286.9	11228.4	11148.5	11095.3	11026.1	10972.9	10898.5	10834.8	10776.3	10738.9
12.5°	11350.6	11276.1	11222.9	11132.5	11063.3	10988.9	10930.4	10845.3	10770.8	10712.4	10653.9
15°	11302.8	11233.7	11169.7	11074.1	11004.9	10935.7	10866.7	10776.3	10707.1	10637.9	10595.5
17.5°	11196.4	11132.5	11058.1	10967.7	10903.9	10840.0	10765.6	10691.1	10611.2	10536.8	10483.6
20°	11058.1	10988.9	10925.2	10834.8	10781.6	10712.4	10643.2	10563.5	10499.6	10425.1	10366.7
22.5°	10850.7	10786.8	10728.4	10675.2	10590.0	10536.8	10489.1	10398.7	10334.7	10265.5	10201.8
25°	10552.8	10489.1	10441.1	10377.2	10340.0	10281.5	10233.6	10153.9	10095.4	10031.5	9978.3
27.5°	10063.5	10026.2	9999.5	9962.3	9930.6	9903.9	9877.4	9813.4	9771.0	9712.5	9659.3
30°	9329.4	9324.1	9308.1	9292.2	9313.4	9313.4	9313.4	9302.9	9265.7	9223.0	9185.8
32.5°	8388.0	8398.7	8419.9	8435.9	8478.4	8526.3	8568.8	8590.0	8590.0	8563.6	8547.6
35°	7265.7	7281.7	7313.7	7356.1	7409.3	7467.8	7563.5	7584.9	7600.7	7600.7	7579.5
37.5°	6100.8	6095.5	6127.5	6164.7	6196.7	6239.1	6308.3	6324.3	6350.8	6340.3	6318.8
40°	4967.8	4941.3	4930.6	4941.3	4978.5	4962.5	4978.5	4967.8	4967.8	4930.6	4930.6
42.5°	3920.0	3888.2	3866.8	3851.0	3851.0	3813.6	3787.1	3760.6	3744.6	3717.9	3712.7
45°	3021.3	2983.8	2957.3	2946.6	2930.9	2882.9	2850.9	2819.0	2781.8	2771.3	2776.5
47.5°	2345.6	2308.4	2297.7	2271.2	2244.5	2218.0	2196.8	2159.6	2154.1	2132.8	2154.1
50°	1808.4	1797.9	1781.9	1771.2	1755.2	1733.9	1712.7	1691.5	1680.7	1680.7	1686.0
52.5°	1404.2	1409.5	1393.5	1377.5	1367.0	1367.0	1340.3	1335.1	1335.1	1313.8	1335.1
55°	1074.5	1069.0	1074.5	1063.8	1063.8	1047.8	1047.8	1031.8	1031.8	1015.8	1026.6
57.5°	787.3	797.8	787.3	792.5	803.3	787.3	781.8	765.8	776.6	765.8	771.3
60°	611.7	611.7	611.7	606.4	606.4	601.0	601.0	595.7	595.7	585.0	595.7
62.5°	452.1	457.4	457.4	457.4	462.8	457.4	452.1	457.4	452.1	452.1	457.4
65°	298.0	303.2	303.2	298.0	308.5	298.0	303.2	308.5	313.7	308.5	313.7
67.5°	202.1	202.1	207.5	212.8	207.5	212.8	218.1	212.8	218.1	228.8	218.1
70°	148.9	154.3	154.3	148.9	143.6	148.9	143.6	159.6	159.6	159.6	170.1
72.5°	95.7	95.7	90.4	90.4	90.4	90.4	90.4	106.4	95.7	90.4	101.1
75°	53.2	58.5	58.5	42.5	47.9	58.5	42.5	47.9	63.9	53.2	63.9
77.5°	32.0	32.0	32.0	32.0	32.0	32.0	42.5	37.2	37.2	37.2	42.5
80°	26.5	21.2	21.2	16.0	21.2	21.2	21.2	32.0	26.5	26.5	32.0
82.5°	10.7	10.7	5.3	0.0	10.7	10.7	10.7	10.7	10.7	10.7	21.2
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	10.7	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: P248567

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	10882.5	10882.5	10877.2	10866.7	10845.3	10845.3	10840.0	10824.0	10813.5	10808.1	10808.1
5°	10829.3	10808.1	10786.8	10728.4	10728.4	10717.6	10685.9	10664.4	10653.9	10627.2	10616.7
7.5°	10781.6	10717.6	10680.4	10643.2	10595.5	10574.0	10536.8	10520.8	10483.6	10457.1	10441.1
10°	10664.4	10622.0	10574.0	10515.6	10478.3	10435.9	10393.2	10361.4	10313.5	10286.8	10265.5
12.5°	10584.7	10520.8	10478.3	10414.4	10350.7	10313.5	10255.0	10217.8	10169.9	10116.7	10084.7
15°	10510.3	10441.1	10382.7	10313.5	10244.3	10201.8	10132.6	10090.2	10021.0	9967.8	9930.6
17.5°	10398.7	10340.0	10276.3	10191.1	10127.4	10074.2	9999.5	9946.6	9882.6	9813.4	9776.2
20°	10281.5	10212.3	10148.6	10063.5	9999.5	9935.8	9861.4	9802.9	9728.3	9664.6	9622.1
22.5°	10127.4	10047.5	9994.3	9909.1	9834.7	9765.7	9696.5	9627.4	9558.2	9505.0	9457.0
25°	9903.9	9818.7	9760.2	9691.1	9622.1	9568.9	9483.7	9441.3	9372.1	9324.1	9276.2
27.5°	9584.7	9520.9	9467.7	9398.6	9340.1	9297.6	9233.7	9191.2	9132.6	9090.1	9052.9
30°	9116.8	9063.6	9015.7	8946.5	8904.0	8866.8	8808.1	8770.9	8728.4	8680.5	8670.0
32.5°	8489.1	8446.4	8398.7	8350.8	8318.8	8297.6	8249.6	8228.4	8185.9	8159.2	8132.7
35°	7542.2	7505.0	7478.5	7457.3	7446.6	7451.8	7441.3	7462.5	7473.1	7467.8	7473.1
37.5°	6303.1	6281.6	6292.3	6308.3	6361.5	6430.7	6494.4	6590.1	6654.0	6718.0	6776.4
40°	4920.1	4936.1	4978.5	5074.2	5212.6	5366.9	5510.5	5691.4	5872.2	5999.9	6116.8
42.5°	3712.7	3760.6	3866.8	4005.2	4212.7	4441.3	4664.8	4930.6	5148.9	5361.4	5510.5
45°	2792.5	2856.2	2994.6	3186.1	3414.7	3680.7	3962.7	4260.4	4521.2	4739.2	4904.1
47.5°	2175.5	2234.0	2372.4	2574.4	2856.2	3132.9	3425.4	3733.9	4005.2	4218.0	4361.6
50°	1718.0	1792.4	1914.8	2127.6	2409.6	2702.1	3005.3	3308.3	3563.8	3744.6	3872.3
52.5°	1351.0	1420.2	1537.1	1760.7	2047.9	2340.4	2622.2	2920.1	3143.4	3319.0	3404.2
55°	1047.8	1111.7	1233.9	1420.2	1691.5	1978.7	2260.5	2516.0	2723.3	2850.9	2930.9
57.5°	797.8	845.7	930.9	1117.0	1361.8	1627.5	1867.1	2122.3	2281.9	2372.4	2425.3
60°	606.4	643.7	734.1	877.7	1101.0	1329.8	1531.9	1723.4	1851.1	1925.5	1978.7
62.5°	457.4	500.0	563.8	686.1	856.2	1042.6	1212.7	1356.3	1462.7	1510.6	1547.9
65°	313.7	345.7	393.6	489.3	632.9	765.8	898.9	1005.3	1074.5	1127.7	1149.0
67.5°	234.0	255.3	282.0	356.4	457.4	563.8	654.2	728.6	803.3	824.5	861.7
70°	175.6	191.6	218.1	271.3	329.7	404.1	478.8	521.3	574.5	611.7	622.4
72.5°	111.7	116.9	143.6	175.6	223.3	271.3	319.2	356.4	388.4	409.6	420.1
75°	63.9	95.7	95.7	127.6	159.6	180.8	212.8	239.3	255.3	271.3	271.3
77.5°	42.5	58.5	63.9	79.7	95.7	122.4	148.9	164.9	180.8	186.1	186.1
80°	37.2	42.5	42.5	58.5	69.2	90.4	106.4	111.7	122.4	127.6	138.4
82.5°	16.0	21.2	26.5	42.5	47.9	47.9	63.9	69.2	79.7	85.2	85.2
85°	5.3	10.7	10.7	16.0	26.5	32.0	37.2	42.5	47.9	47.9	53.2
87.5°	5.3	5.3	0.0	5.3	10.7	10.7	21.2	21.2	21.2	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: P248567

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2	10893.2
2.5°	10797.5	10802.8	10781.6	10776.3	10765.6	10770.8	10781.6
5°	10600.7	10606.0	10584.7	10563.5	10563.5	10558.0	10563.5
7.5°	10414.4	10419.9	10387.9	10377.2	10356.0	10361.4	10361.4
10°	10228.3	10228.3	10180.6	10175.1	10159.1	10153.9	10153.9
12.5°	10047.5	10031.5	9994.3	9973.0	9983.8	9951.8	9951.8
15°	9887.9	9861.4	9813.4	9797.5	9771.0	9760.2	9760.2
17.5°	9723.0	9701.8	9659.3	9627.4	9595.4	9590.1	9595.4
20°	9563.4	9542.2	9489.0	9467.7	9441.3	9441.3	9430.5
22.5°	9403.8	9382.6	9334.9	9318.9	9281.7	9281.7	9286.9
25°	9239.0	9223.0	9169.8	9159.3	9154.0	9132.6	9143.3
27.5°	9015.7	9004.9	8962.5	8946.5	8925.2	8920.0	8930.5
30°	8606.0	8590.0	8558.3	8542.3	8505.1	8510.4	8520.9
32.5°	8095.5	8074.2	8031.5	8015.6	7983.8	7973.1	7978.3
35°	7457.3	7441.3	7404.1	7404.1	7372.1	7361.4	7372.1
37.5°	6808.4	6824.1	6808.4	6824.1	6808.4	6802.9	6808.4
40°	6196.7	6255.1	6265.6	6324.3	6303.1	6334.8	6329.6
42.5°	5611.5	5707.1	5744.6	5792.3	5781.8	5803.0	5819.0
45°	5021.0	5100.9	5138.1	5170.1	5175.4	5186.1	5191.3
47.5°	4462.5	4526.4	4531.7	4568.9	4563.7	4563.7	4579.6
50°	3941.4	3983.9	3994.4	4021.1	3999.9	3989.2	3994.4
52.5°	3457.4	3499.9	3489.1	3499.9	3473.4	3462.6	3467.9
55°	2962.6	2983.8	2983.8	2983.8	2952.1	2952.1	2952.1
57.5°	2457.3	2462.8	2452.0	2457.3	2452.0	2420.1	2414.8
60°	1994.7	1994.7	1989.2	1994.7	1978.7	1962.7	1962.7
62.5°	1558.4	1569.1	1590.3	1569.1	1558.4	1569.1	1553.1
65°	1164.9	1186.2	1180.7	1191.4	1186.2	1186.2	1175.5
67.5°	877.7	883.0	888.2	893.7	893.7	893.7	893.7
70°	643.7	659.6	654.2	654.2	654.2	654.2	686.1
72.5°	430.9	452.1	446.8	457.4	457.4	468.1	457.4
75°	292.5	313.7	303.2	319.2	313.7	303.2	329.7
77.5°	196.8	207.5	212.8	218.1	212.8	207.5	212.8
80°	138.4	148.9	143.6	148.9	148.9	148.9	154.3
82.5°	85.2	101.1	95.7	101.1	95.7	101.1	101.1
85°	58.5	63.9	53.2	63.9	58.5	58.5	69.2
87.5°	37.2	32.0	32.0	37.2	32.0	37.2	32.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)