

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: P248576

Luminaire Tested: **LD8B175D010 ER8B175840 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248576
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18229.0 lumens
Efficiency: N/A
Efficacy: 102.9 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

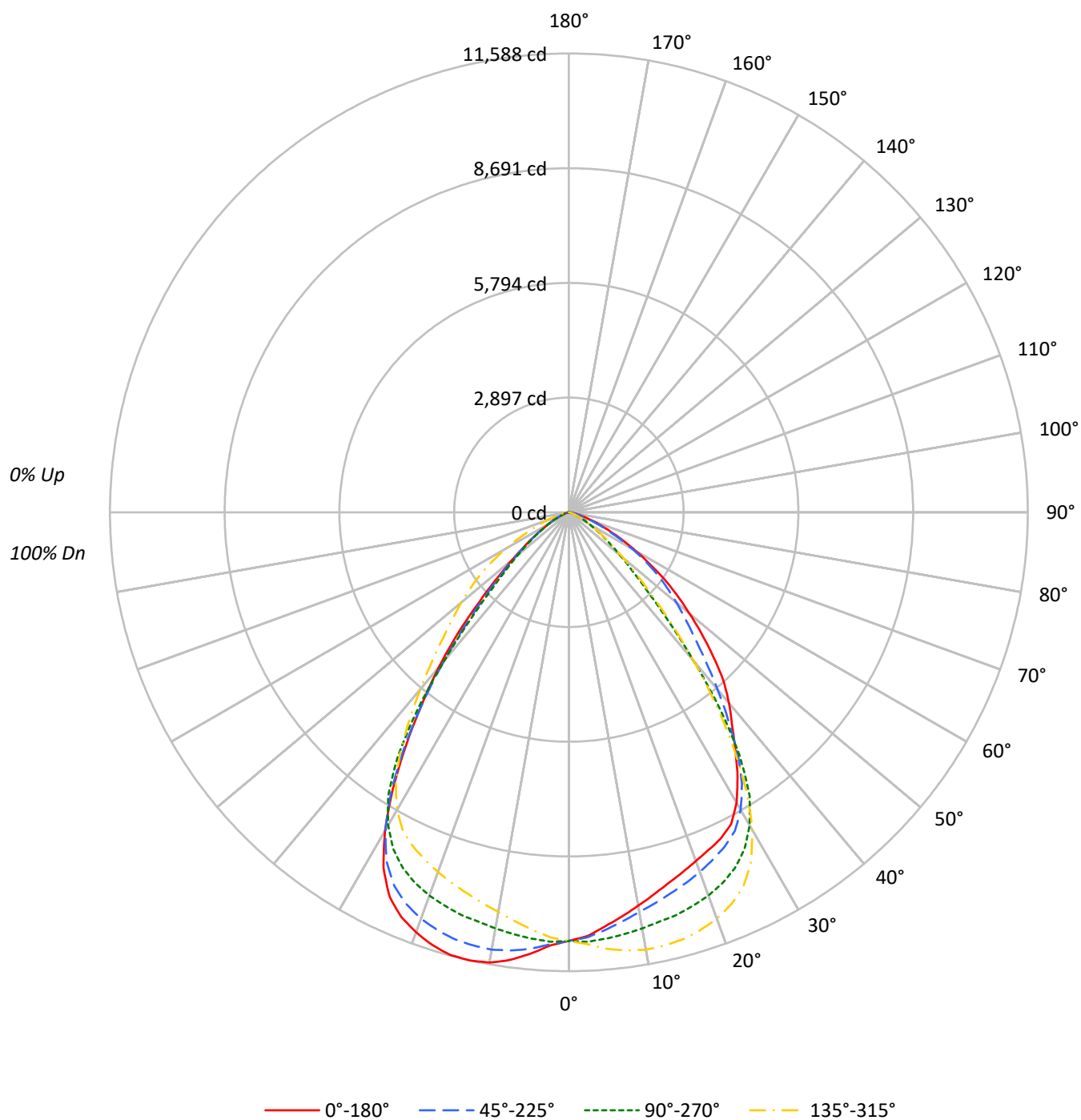
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	333711	333711	333711	333711
5°	324845	334493	346435	334493
10°	315860	334055	361522	334055
15°	309549	336039	369438	336039
20°	307443	337962	370387	337962
25°	309058	337281	364436	337281
30°	301414	324936	330776	324936
35°	275702	283457	268941	283457
40°	253125	197176	205907	197176
45°	224910	120287	139183	120287
50°	190370	80354	89234	80354
55°	157672	54831	57949	54831
60°	120255	36498	36819	36498
65°	85208	22743	20824	22743
70°	61453	15237	13821	15237
75°	39031	7566	6303	7566
80°	27223	5647	4670	5647
85°	24307	0	1840	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1030.1	5.7
10°-20°	2982.8	16.4
20°-30°	4516.6	24.8
30°-40°	4526.8	24.8
40°-50°	2842.6	15.6
50°-60°	1514.8	8.3
60°-70°	622.9	3.4
70°-80°	164.6	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°	8529.5	46.8
0°-40°	13056.3	71.6
0°-60°	17413.7	95.5
0°-90°	18229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18229.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10822	10822	10822	10822	10822	
5°	10494	10806	11192	10806	10494	990
15°	9696	10526	11572	10526	9696	2742
25°	9084	9913	10711	9913	9084	4166
35°	7324	7530	7144	7530	7324	4588
45°	5157	2758	3192	2758	5157	3966
55°	2933	1020	1078	1020	2933	2615
65°	1168	312	285	312	1168	1211
75°	328	64	53	64	328	371
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°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10711.1	10700.4	10695.2	10705.8	10711.1	10732.2	10726.9	10737.4	10737.4	10742.8	10753.2
5°	10494.4	10489.0	10494.4	10494.4	10515.5	10536.6	10531.4	10547.3	10557.7	10584.3	10594.7
7.5°	10293.7	10293.7	10288.2	10309.3	10320.0	10351.7	10346.3	10372.8	10388.7	10415.0	10452.0
10°	10087.5	10087.5	10092.7	10108.6	10114.0	10161.4	10161.4	10198.4	10219.5	10246.0	10293.7
12.5°	9886.7	9886.7	9918.5	9907.8	9928.9	9965.9	9981.8	10018.7	10050.5	10103.4	10151.0
15°	9696.4	9696.4	9707.1	9733.4	9749.3	9796.9	9823.2	9865.6	9902.6	9955.5	10024.2
17.5°	9532.6	9527.4	9532.6	9564.4	9596.1	9638.3	9659.4	9712.3	9749.3	9818.0	9881.5
20°	9368.9	9379.5	9379.5	9405.8	9426.9	9479.8	9500.9	9559.2	9601.4	9664.7	9738.8
22.5°	9226.2	9221.0	9221.0	9257.9	9273.8	9321.2	9342.3	9395.2	9442.8	9495.7	9564.4
25°	9083.5	9072.8	9094.2	9099.4	9109.8	9162.7	9178.5	9215.5	9263.2	9310.8	9379.5
27.5°	8872.1	8861.6	8866.9	8888.0	8903.8	8946.0	8956.7	8993.7	9030.6	9072.8	9131.1
30°	8465.1	8454.7	8449.5	8486.5	8502.3	8533.9	8549.7	8613.3	8623.7	8671.3	8713.5
32.5°	7926.2	7921.0	7931.6	7963.1	7979.0	8021.4	8042.5	8079.5	8105.8	8132.4	8174.6
35°	7323.9	7313.3	7323.9	7355.7	7355.7	7392.6	7408.5	7424.2	7419.0	7424.2	7413.7
37.5°	6763.8	6758.4	6763.8	6779.5	6763.8	6779.5	6763.8	6732.1	6674.0	6610.5	6547.0
40°	6288.2	6293.4	6261.9	6283.0	6224.7	6214.2	6156.1	6076.8	5960.6	5833.8	5654.2
42.5°	5781.0	5765.1	5744.0	5754.4	5707.0	5669.8	5574.8	5474.5	5326.4	5115.2	4898.3
45°	5157.4	5152.2	5141.5	5136.3	5104.5	5067.6	4988.2	4872.0	4708.2	4491.6	4232.6
47.5°	4549.7	4533.8	4533.8	4539.0	4502.1	4496.8	4433.3	4333.1	4190.4	3979.0	3709.5
50°	3968.3	3963.1	3973.7	3994.8	3968.3	3957.9	3915.7	3846.9	3720.1	3540.5	3286.7
52.5°	3445.2	3440.0	3450.7	3477.0	3466.3	3477.0	3434.8	3381.9	3297.3	3122.9	2901.0
55°	2932.8	2932.8	2932.8	2964.3	2964.3	2964.3	2943.2	2911.7	2832.3	2705.5	2499.5
57.5°	2399.0	2404.3	2436.0	2441.2	2436.0	2446.7	2441.2	2409.5	2356.8	2267.0	2108.5
60°	1949.9	1949.9	1965.8	1981.7	1976.2	1981.7	1981.7	1965.8	1912.9	1839.0	1712.2
62.5°	1543.0	1558.8	1548.2	1558.8	1579.9	1558.8	1548.2	1537.7	1500.8	1453.1	1347.4
65°	1167.8	1178.4	1178.4	1183.6	1173.0	1178.4	1157.3	1141.4	1120.3	1067.5	998.8
67.5°	887.8	887.8	887.8	887.8	882.4	877.2	872.0	856.1	819.1	798.0	723.8
70°	681.6	649.9	649.9	649.9	649.9	655.3	639.5	618.4	607.7	570.7	517.9
72.5°	454.4	465.0	454.4	454.4	443.9	449.1	428.0	417.4	406.9	385.8	354.1
75°	327.6	301.2	311.7	317.1	301.2	311.7	290.6	269.5	269.5	253.6	237.7
77.5°	211.4	206.2	211.4	216.6	211.4	206.2	195.5	184.9	184.9	179.7	163.8
80°	153.3	147.9	147.9	147.9	142.7	147.9	137.5	137.5	126.8	121.6	110.9
82.5°	100.5	100.5	95.0	100.5	95.0	100.5	84.6	84.6	84.6	79.2	68.7
85°	68.7	58.1	58.1	63.5	52.9	63.5	58.1	52.9	47.6	47.6	42.2
87.5°	31.8	37.0	31.8	37.0	31.8	31.8	37.0	31.8	31.8	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°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10769.1	10774.3	10774.3	10795.7	10806.1	10811.3	10811.3	10853.7	10837.9	10848.5	10859.0
5°	10616.0	10647.5	10658.2	10658.2	10716.3	10737.4	10758.5	10806.1	10811.3	10843.1	10880.1
7.5°	10467.9	10504.9	10526.2	10573.6	10610.6	10647.5	10711.1	10742.8	10774.3	10816.8	10864.2
10°	10325.2	10367.6	10409.8	10446.8	10504.9	10552.5	10594.7	10668.6	10705.8	10763.9	10827.2
12.5°	10188.0	10246.0	10283.0	10346.3	10409.8	10452.0	10515.5	10584.3	10642.3	10700.4	10774.3
15°	10066.4	10135.1	10177.3	10246.0	10314.8	10372.8	10441.6	10526.2	10568.4	10637.1	10705.8
17.5°	9934.1	10008.3	10061.2	10124.5	10209.1	10272.4	10330.6	10415.0	10467.9	10541.8	10621.2
20°	9796.9	9870.8	9934.1	9997.7	10082.3	10145.6	10214.3	10298.9	10357.0	10430.9	10494.4
22.5°	9633.1	9701.8	9770.4	9844.3	9928.9	9981.8	10061.2	10135.1	10198.4	10267.1	10330.6
25°	9421.7	9506.3	9559.2	9627.7	9696.4	9754.5	9839.1	9913.0	9965.9	10029.4	10087.5
27.5°	9173.3	9236.8	9279.0	9337.1	9405.8	9458.7	9522.0	9596.1	9649.0	9707.1	9749.3
30°	8750.5	8808.8	8845.8	8888.0	8956.7	9004.3	9057.2	9125.7	9162.7	9205.1	9242.1
32.5°	8195.7	8243.3	8264.4	8296.1	8343.8	8391.2	8433.6	8491.7	8507.6	8533.9	8533.9
35°	7392.6	7403.1	7397.9	7408.5	7429.6	7455.9	7492.9	7529.9	7551.0	7551.0	7535.3
37.5°	6451.9	6388.7	6319.9	6267.1	6251.2	6240.5	6261.9	6277.5	6298.8	6309.3	6283.0
40°	5474.5	5331.8	5178.5	5041.0	4946.0	4903.8	4887.9	4898.3	4898.3	4935.3	4935.3
42.5°	4634.3	4412.2	4185.2	3979.0	3841.5	3736.0	3688.4	3688.4	3693.6	3720.1	3736.0
45°	3936.8	3656.6	3392.4	3165.3	2975.0	2837.5	2774.2	2758.3	2753.1	2763.6	2800.5
47.5°	3403.0	3112.4	2837.5	2557.6	2356.8	2219.4	2161.3	2140.0	2118.9	2140.0	2145.4
50°	2985.6	2684.4	2393.8	2113.7	1902.3	1780.7	1706.7	1675.0	1669.8	1669.8	1680.4
52.5°	2605.0	2325.1	2034.5	1749.1	1527.1	1410.9	1342.2	1326.3	1305.2	1326.3	1326.3
55°	2245.7	1965.8	1680.4	1410.9	1225.8	1104.5	1041.0	1019.9	1009.2	1025.1	1025.1
57.5°	1854.8	1616.9	1352.9	1109.7	924.8	840.2	792.6	766.3	760.8	771.5	760.8
60°	1521.9	1321.1	1093.8	872.0	729.3	639.5	602.5	591.8	581.2	591.8	591.8
62.5°	1204.7	1035.7	850.6	681.6	560.1	496.8	454.4	454.4	449.1	449.1	454.4
65°	893.1	760.8	628.8	486.1	391.1	343.4	311.7	311.7	306.5	311.7	306.5
67.5°	649.9	560.1	454.4	354.1	280.1	253.6	232.5	216.6	227.3	216.6	211.4
70°	475.7	401.5	327.6	269.5	216.6	190.3	174.4	169.0	158.6	158.6	158.6
72.5°	317.1	269.5	221.9	174.4	142.7	116.1	110.9	100.5	89.8	95.0	105.7
75°	211.4	179.7	158.6	126.8	95.0	95.0	63.5	63.5	52.9	63.5	47.6
77.5°	147.9	121.6	95.0	79.2	63.5	58.1	42.2	42.2	37.0	37.0	37.0
80°	105.7	89.8	68.7	58.1	42.2	42.2	37.0	31.8	26.3	26.3	31.8
82.5°	63.5	47.6	47.6	42.2	26.3	21.1	15.9	21.1	10.7	10.7	10.7
85°	37.0	31.8	26.3	15.9	10.7	10.7	5.2	0.0	5.2	5.2	0.0
87.5°	21.1	10.7	10.7	5.2	0.0	5.2	5.2	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°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10885.5	10880.1	10890.7	10890.7	10922.5	10917.0	10932.9	10932.9	10922.5	10927.7	10948.8
5°	10922.5	10938.3	10969.9	10996.4	11043.8	11065.1	11091.5	11118.0	11123.2	11139.1	11155.0
7.5°	10922.5	10975.3	11012.3	11059.7	11123.2	11160.2	11218.3	11265.9	11287.0	11313.3	11345.1
10°	10901.2	10954.0	11022.7	11075.6	11155.0	11213.0	11271.1	11345.1	11376.8	11419.0	11461.4
12.5°	10859.0	10917.0	10991.0	11059.7	11149.5	11202.4	11276.3	11345.1	11392.7	11450.8	11498.4
15°	10795.7	10864.2	10932.9	11001.6	11096.7	11160.2	11228.9	11308.1	11355.7	11419.0	11461.4
17.5°	10695.2	10769.1	10832.6	10895.9	10985.8	11059.7	11123.2	11197.2	11244.8	11297.7	11355.7
20°	10573.6	10642.3	10711.1	10763.9	10853.7	10917.0	10985.8	11054.5	11091.5	11102.1	11191.9
22.5°	10420.5	10467.9	10520.7	10605.3	10658.2	10716.3	10779.8	10843.1	10880.1	10938.3	10969.9
25°	10166.6	10214.3	10272.4	10309.3	10372.8	10420.5	10483.8	10552.5	10573.6	10616.0	10647.5
27.5°	9812.8	9839.1	9865.6	9897.2	9934.1	9960.7	9997.7	10029.4	10050.5	10071.6	10092.7
30°	9252.5	9252.5	9252.5	9231.4	9247.3	9263.2	9268.4	9263.2	9263.2	9257.9	9257.9
32.5°	8512.8	8470.6	8422.9	8380.7	8364.9	8343.8	8333.1	8317.2	8290.9	8275.0	8280.3
35°	7514.0	7419.0	7360.9	7308.0	7265.8	7234.1	7218.2	7202.3	7197.1	7176.0	7154.7
37.5°	6267.1	6198.3	6156.1	6124.4	6087.4	6055.7	6060.9	6066.3	6082.0	6071.5	6076.8
40°	4946.0	4930.1	4946.0	4909.0	4898.3	4909.0	4935.3	4972.5	4993.6	5014.7	5051.7
42.5°	3762.3	3788.7	3825.8	3825.8	3841.5	3862.8	3894.4	3952.6	3984.2	4021.2	4063.6
45°	2832.3	2864.1	2911.7	2927.3	2938.0	2964.3	3001.5	3048.9	3070.0	3101.8	3138.8
47.5°	2182.4	2203.5	2229.8	2256.4	2282.7	2293.3	2330.3	2330.3	2356.8	2377.9	2388.4
50°	1701.5	1722.6	1743.7	1759.6	1770.2	1786.1	1796.6	1812.4	1817.7	1828.3	1833.5
52.5°	1331.5	1358.1	1358.1	1368.5	1384.4	1400.3	1395.1	1400.3	1405.5	1405.5	1421.4
55°	1041.0	1041.0	1056.8	1056.8	1067.5	1062.1	1067.5	1067.5	1067.5	1067.5	1072.7
57.5°	776.7	782.1	798.0	787.4	782.1	792.6	782.1	792.6	787.4	798.0	782.1
60°	597.0	597.0	602.5	602.5	607.7	607.7	607.7	602.5	602.5	597.0	597.0
62.5°	449.1	454.4	459.8	454.4	454.4	454.4	449.1	449.1	443.9	438.5	438.5
65°	301.2	296.0	306.5	296.0	301.2	301.2	296.0	301.2	285.4	290.6	285.4
67.5°	216.6	211.4	206.2	211.4	206.2	200.8	200.8	206.2	211.4	195.5	195.5
70°	142.7	147.9	142.7	147.9	153.3	153.3	147.9	142.7	147.9	137.5	142.7
72.5°	89.8	89.8	89.8	89.8	89.8	95.0	95.0	95.0	84.6	84.6	79.2
75°	42.2	58.1	47.6	42.2	58.1	58.1	52.9	52.9	47.6	47.6	47.6
77.5°	42.2	31.8	31.8	31.8	31.8	31.8	31.8	31.8	26.3	31.8	26.3
80°	21.1	21.1	21.1	15.9	21.1	21.1	26.3	21.1	21.1	15.9	26.3
82.5°	10.7	10.7	10.7	0.0	5.2	10.7	10.7	5.2	10.7	10.7	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: P248576

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10943.6	10938.3	10943.6	10948.8	10943.6	10938.3	10943.6	10948.8	10927.7	10922.5	10932.9
5°	11176.1	11176.1	11186.5	11191.9	11186.5	11176.1	11176.1	11155.0	11139.1	11123.2	11118.0
7.5°	11376.8	11387.5	11397.9	11403.1	11397.9	11387.5	11376.8	11345.1	11313.3	11287.0	11265.9
10°	11498.4	11514.3	11535.4	11545.8	11535.4	11514.3	11498.4	11461.4	11419.0	11376.8	11345.1
12.5°	11551.3	11567.1	11593.5	11588.2	11593.5	11567.1	11551.3	11498.4	11450.8	11392.7	11345.1
15°	11514.3	11535.4	11561.7	11572.4	11561.7	11535.4	11514.3	11461.4	11419.0	11355.7	11308.1
17.5°	11397.9	11429.7	11445.6	11461.4	11445.6	11429.7	11397.9	11355.7	11297.7	11244.8	11197.2
20°	11239.4	11260.7	11281.8	11287.0	11281.8	11260.7	11239.4	11191.9	11102.1	11091.5	11054.5
22.5°	11012.3	11028.2	11075.6	11059.7	11075.6	11028.2	11012.3	10969.9	10938.3	10880.1	10843.1
25°	10684.5	10700.4	10705.8	10711.1	10705.8	10700.4	10684.5	10647.5	10616.0	10573.6	10552.5
27.5°	10119.2	10119.2	10129.7	10135.1	10129.7	10119.2	10119.2	10092.7	10071.6	10050.5	10029.4
30°	9263.2	9263.2	9263.2	9289.7	9263.2	9263.2	9263.2	9257.9	9257.9	9263.2	9263.2
32.5°	8275.0	8264.4	8253.9	8264.4	8253.9	8264.4	8275.0	8280.3	8275.0	8290.9	8317.2
35°	7154.7	7149.5	7165.4	7144.3	7165.4	7149.5	7154.7	7154.7	7176.0	7197.1	7202.3
37.5°	6082.0	6071.5	6092.6	6071.5	6092.6	6071.5	6082.0	6076.8	6071.5	6082.0	6066.3
40°	5062.3	5072.8	5072.8	5115.2	5072.8	5072.8	5062.3	5051.7	5014.7	4993.6	4972.5
42.5°	4084.7	4116.4	4105.8	4137.5	4105.8	4116.4	4084.7	4063.6	4021.2	3984.2	3952.6
45°	3159.9	3181.2	3181.2	3191.6	3181.2	3181.2	3159.9	3138.8	3101.8	3070.0	3048.9
47.5°	2425.4	2425.4	2425.4	2430.8	2425.4	2425.4	2425.4	2388.4	2377.9	2356.8	2330.3
50°	1844.2	1849.4	1854.8	1860.1	1854.8	1849.4	1844.2	1833.5	1828.3	1817.7	1812.4
52.5°	1416.1	1421.4	1410.9	1421.4	1410.9	1421.4	1416.1	1421.4	1405.5	1405.5	1400.3
55°	1072.7	1067.5	1072.7	1077.9	1072.7	1067.5	1072.7	1072.7	1067.5	1067.5	1067.5
57.5°	787.4	776.7	776.7	776.7	776.7	776.7	787.4	782.1	798.0	787.4	792.6
60°	586.6	591.8	591.8	597.0	591.8	591.8	586.6	597.0	597.0	602.5	602.5
62.5°	433.3	449.1	438.5	449.1	438.5	449.1	433.3	438.5	438.5	443.9	449.1
65°	280.1	280.1	280.1	285.4	280.1	280.1	280.1	285.4	290.6	285.4	301.2
67.5°	190.3	195.5	206.2	200.8	206.2	195.5	190.3	195.5	195.5	211.4	206.2
70°	153.3	137.5	137.5	153.3	137.5	137.5	153.3	142.7	137.5	147.9	142.7
72.5°	89.8	79.2	89.8	89.8	89.8	79.2	89.8	79.2	84.6	84.6	95.0
75°	47.6	42.2	37.0	52.9	37.0	42.2	47.6	47.6	47.6	47.6	52.9
77.5°	31.8	26.3	37.0	37.0	37.0	26.3	31.8	26.3	31.8	26.3	31.8
80°	15.9	21.1	15.9	26.3	15.9	21.1	15.9	26.3	15.9	21.1	21.1
82.5°	5.2	10.7	10.7	10.7	10.7	10.7	5.2	5.2	10.7	10.7	5.2
85°	0.0	10.7	5.2	5.2	5.2	10.7	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: P248576

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10932.9	10917.0	10922.5	10890.7	10890.7	10880.1	10885.5	10859.0	10848.5	10837.9	10853.7
5°	11091.5	11065.1	11043.8	10996.4	10969.9	10938.3	10922.5	10880.1	10843.1	10811.3	10806.1
7.5°	11218.3	11160.2	11123.2	11059.7	11012.3	10975.3	10922.5	10864.2	10816.8	10774.3	10742.8
10°	11271.1	11213.0	11155.0	11075.6	11022.7	10954.0	10901.2	10827.2	10763.9	10705.8	10668.6
12.5°	11276.3	11202.4	11149.5	11059.7	10991.0	10917.0	10859.0	10774.3	10700.4	10642.3	10584.3
15°	11228.9	11160.2	11096.7	11001.6	10932.9	10864.2	10795.7	10705.8	10637.1	10568.4	10526.2
17.5°	11123.2	11059.7	10985.8	10895.9	10832.6	10769.1	10695.2	10621.2	10541.8	10467.9	10415.0
20°	10985.8	10917.0	10853.7	10763.9	10711.1	10642.3	10573.6	10494.4	10430.9	10357.0	10298.9
22.5°	10779.8	10716.3	10658.2	10605.3	10520.7	10467.9	10420.5	10330.6	10267.1	10198.4	10135.1
25°	10483.8	10420.5	10372.8	10309.3	10272.4	10214.3	10166.6	10087.5	10029.4	9965.9	9913.0
27.5°	9997.7	9960.7	9934.1	9897.2	9865.6	9839.1	9812.8	9749.3	9707.1	9649.0	9596.1
30°	9268.4	9263.2	9247.3	9231.4	9252.5	9252.5	9252.5	9242.1	9205.1	9162.7	9125.7
32.5°	8333.1	8343.8	8364.9	8380.7	8422.9	8470.6	8512.8	8533.9	8533.9	8507.6	8491.7
35°	7218.2	7234.1	7265.8	7308.0	7360.9	7419.0	7514.0	7535.3	7551.0	7551.0	7529.9
37.5°	6060.9	6055.7	6087.4	6124.4	6156.1	6198.3	6267.1	6283.0	6309.3	6298.8	6277.5
40°	4935.3	4909.0	4898.3	4909.0	4946.0	4930.1	4946.0	4935.3	4935.3	4898.3	4898.3
42.5°	3894.4	3862.8	3841.5	3825.8	3825.8	3788.7	3762.3	3736.0	3720.1	3693.6	3688.4
45°	3001.5	2964.3	2938.0	2927.3	2911.7	2864.1	2832.3	2800.5	2763.6	2753.1	2758.3
47.5°	2330.3	2293.3	2282.7	2256.4	2229.8	2203.5	2182.4	2145.4	2140.0	2118.9	2140.0
50°	1796.6	1786.1	1770.2	1759.6	1743.7	1722.6	1701.5	1680.4	1669.8	1669.8	1675.0
52.5°	1395.1	1400.3	1384.4	1368.5	1358.1	1358.1	1331.5	1326.3	1326.3	1305.2	1326.3
55°	1067.5	1062.1	1067.5	1056.8	1056.8	1041.0	1041.0	1025.1	1025.1	1009.2	1019.9
57.5°	782.1	792.6	782.1	787.4	798.0	782.1	776.7	760.8	771.5	760.8	766.3
60°	607.7	607.7	607.7	602.5	602.5	597.0	597.0	591.8	591.8	581.2	591.8
62.5°	449.1	454.4	454.4	454.4	459.8	454.4	449.1	454.4	449.1	449.1	454.4
65°	296.0	301.2	301.2	296.0	306.5	296.0	301.2	306.5	311.7	306.5	311.7
67.5°	200.8	200.8	206.2	211.4	206.2	211.4	216.6	211.4	216.6	227.3	216.6
70°	147.9	153.3	153.3	147.9	142.7	147.9	142.7	158.6	158.6	158.6	169.0
72.5°	95.0	95.0	89.8	89.8	89.8	89.8	89.8	105.7	95.0	89.8	100.5
75°	52.9	58.1	58.1	42.2	47.6	58.1	42.2	47.6	63.5	52.9	63.5
77.5°	31.8	31.8	31.8	31.8	31.8	31.8	42.2	37.0	37.0	37.0	42.2
80°	26.3	21.1	21.1	15.9	21.1	21.1	21.1	31.8	26.3	26.3	31.8
82.5°	10.7	10.7	5.2	0.0	10.7	10.7	10.7	10.7	10.7	10.7	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	10.7	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: P248576

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10811.3	10811.3	10806.1	10795.7	10774.3	10774.3	10769.1	10753.2	10742.8	10737.4	10737.4
5°	10758.5	10737.4	10716.3	10658.2	10658.2	10647.5	10616.0	10594.7	10584.3	10557.7	10547.3
7.5°	10711.1	10647.5	10610.6	10573.6	10526.2	10504.9	10467.9	10452.0	10415.0	10388.7	10372.8
10°	10594.7	10552.5	10504.9	10446.8	10409.8	10367.6	10325.2	10293.7	10246.0	10219.5	10198.4
12.5°	10515.5	10452.0	10409.8	10346.3	10283.0	10246.0	10188.0	10151.0	10103.4	10050.5	10018.7
15°	10441.6	10372.8	10314.8	10246.0	10177.3	10135.1	10066.4	10024.2	9955.5	9902.6	9865.6
17.5°	10330.6	10272.4	10209.1	10124.5	10061.2	10008.3	9934.1	9881.5	9818.0	9749.3	9712.3
20°	10214.3	10145.6	10082.3	9997.7	9934.1	9870.8	9796.9	9738.8	9664.7	9601.4	9559.2
22.5°	10061.2	9981.8	9928.9	9844.3	9770.4	9701.8	9633.1	9564.4	9495.7	9442.8	9395.2
25°	9839.1	9754.5	9696.4	9627.7	9559.2	9506.3	9421.7	9379.5	9310.8	9263.2	9215.5
27.5°	9522.0	9458.7	9405.8	9337.1	9279.0	9236.8	9173.3	9131.1	9072.8	9030.6	8993.7
30°	9057.2	9004.3	8956.7	8888.0	8845.8	8808.8	8750.5	8713.5	8671.3	8623.7	8613.3
32.5°	8433.6	8391.2	8343.8	8296.1	8264.4	8243.3	8195.7	8174.6	8132.4	8105.8	8079.5
35°	7492.9	7455.9	7429.6	7408.5	7397.9	7403.1	7392.6	7413.7	7424.2	7419.0	7424.2
37.5°	6261.9	6240.5	6251.2	6267.1	6319.9	6388.7	6451.9	6547.0	6610.5	6674.0	6732.1
40°	4887.9	4903.8	4946.0	5041.0	5178.5	5331.8	5474.5	5654.2	5833.8	5960.6	6076.8
42.5°	3688.4	3736.0	3841.5	3979.0	4185.2	4412.2	4634.3	4898.3	5115.2	5326.4	5474.5
45°	2774.2	2837.5	2975.0	3165.3	3392.4	3656.6	3936.8	4232.6	4491.6	4708.2	4872.0
47.5°	2161.3	2219.4	2356.8	2557.6	2837.5	3112.4	3403.0	3709.5	3979.0	4190.4	4333.1
50°	1706.7	1780.7	1902.3	2113.7	2393.8	2684.4	2985.6	3286.7	3540.5	3720.1	3846.9
52.5°	1342.2	1410.9	1527.1	1749.1	2034.5	2325.1	2605.0	2901.0	3122.9	3297.3	3381.9
55°	1041.0	1104.5	1225.8	1410.9	1680.4	1965.8	2245.7	2499.5	2705.5	2832.3	2911.7
57.5°	792.6	840.2	924.8	1109.7	1352.9	1616.9	1854.8	2108.5	2267.0	2356.8	2409.5
60°	602.5	639.5	729.3	872.0	1093.8	1321.1	1521.9	1712.2	1839.0	1912.9	1965.8
62.5°	454.4	496.8	560.1	681.6	850.6	1035.7	1204.7	1347.4	1453.1	1500.8	1537.7
65°	311.7	343.4	391.1	486.1	628.8	760.8	893.1	998.8	1067.5	1120.3	1141.4
67.5°	232.5	253.6	280.1	354.1	454.4	560.1	649.9	723.8	798.0	819.1	856.1
70°	174.4	190.3	216.6	269.5	327.6	401.5	475.7	517.9	570.7	607.7	618.4
72.5°	110.9	116.1	142.7	174.4	221.9	269.5	317.1	354.1	385.8	406.9	417.4
75°	63.5	95.0	95.0	126.8	158.6	179.7	211.4	237.7	253.6	269.5	269.5
77.5°	42.2	58.1	63.5	79.2	95.0	121.6	147.9	163.8	179.7	184.9	184.9
80°	37.0	42.2	42.2	58.1	68.7	89.8	105.7	110.9	121.6	126.8	137.5
82.5°	15.9	21.1	26.3	42.2	47.6	47.6	63.5	68.7	79.2	84.6	84.6
85°	5.2	10.7	10.7	15.9	26.3	31.8	37.0	42.2	47.6	47.6	52.9
87.5°	5.2	5.2	0.0	5.2	10.7	10.7	21.1	21.1	21.1	31.8	31.8
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: P248576

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0	10822.0
2.5°	10726.9	10732.2	10711.1	10705.8	10695.2	10700.4	10711.1
5°	10531.4	10536.6	10515.5	10494.4	10494.4	10489.0	10494.4
7.5°	10346.3	10351.7	10320.0	10309.3	10288.2	10293.7	10293.7
10°	10161.4	10161.4	10114.0	10108.6	10092.7	10087.5	10087.5
12.5°	9981.8	9965.9	9928.9	9907.8	9918.5	9886.7	9886.7
15°	9823.2	9796.9	9749.3	9733.4	9707.1	9696.4	9696.4
17.5°	9659.4	9638.3	9596.1	9564.4	9532.6	9527.4	9532.6
20°	9500.9	9479.8	9426.9	9405.8	9379.5	9379.5	9368.9
22.5°	9342.3	9321.2	9273.8	9257.9	9221.0	9221.0	9226.2
25°	9178.5	9162.7	9109.8	9099.4	9094.2	9072.8	9083.5
27.5°	8956.7	8946.0	8903.8	8888.0	8866.9	8861.6	8872.1
30°	8549.7	8533.9	8502.3	8486.5	8449.5	8454.7	8465.1
32.5°	8042.5	8021.4	7979.0	7963.1	7931.6	7921.0	7926.2
35°	7408.5	7392.6	7355.7	7355.7	7323.9	7313.3	7323.9
37.5°	6763.8	6779.5	6763.8	6779.5	6763.8	6758.4	6763.8
40°	6156.1	6214.2	6224.7	6283.0	6261.9	6293.4	6288.2
42.5°	5574.8	5669.8	5707.0	5754.4	5744.0	5765.1	5781.0
45°	4988.2	5067.6	5104.5	5136.3	5141.5	5152.2	5157.4
47.5°	4433.3	4496.8	4502.1	4539.0	4533.8	4533.8	4549.7
50°	3915.7	3957.9	3968.3	3994.8	3973.7	3963.1	3968.3
52.5°	3434.8	3477.0	3466.3	3477.0	3450.7	3440.0	3445.2
55°	2943.2	2964.3	2964.3	2964.3	2932.8	2932.8	2932.8
57.5°	2441.2	2446.7	2436.0	2441.2	2436.0	2404.3	2399.0
60°	1981.7	1981.7	1976.2	1981.7	1965.8	1949.9	1949.9
62.5°	1548.2	1558.8	1579.9	1558.8	1548.2	1558.8	1543.0
65°	1157.3	1178.4	1173.0	1183.6	1178.4	1178.4	1167.8
67.5°	872.0	877.2	882.4	887.8	887.8	887.8	887.8
70°	639.5	655.3	649.9	649.9	649.9	649.9	681.6
72.5°	428.0	449.1	443.9	454.4	454.4	465.0	454.4
75°	290.6	311.7	301.2	317.1	311.7	301.2	327.6
77.5°	195.5	206.2	211.4	216.6	211.4	206.2	211.4
80°	137.5	147.9	142.7	147.9	147.9	147.9	153.3
82.5°	84.6	100.5	95.0	100.5	95.0	100.5	100.5
85°	58.1	63.5	52.9	63.5	58.1	58.1	68.7
87.5°	37.0	31.8	31.8	37.0	31.8	37.0	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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