

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: P248558

Luminaire Tested: **LD8B175D010 ER8B175830 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248558
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 ER8B175830 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17645.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

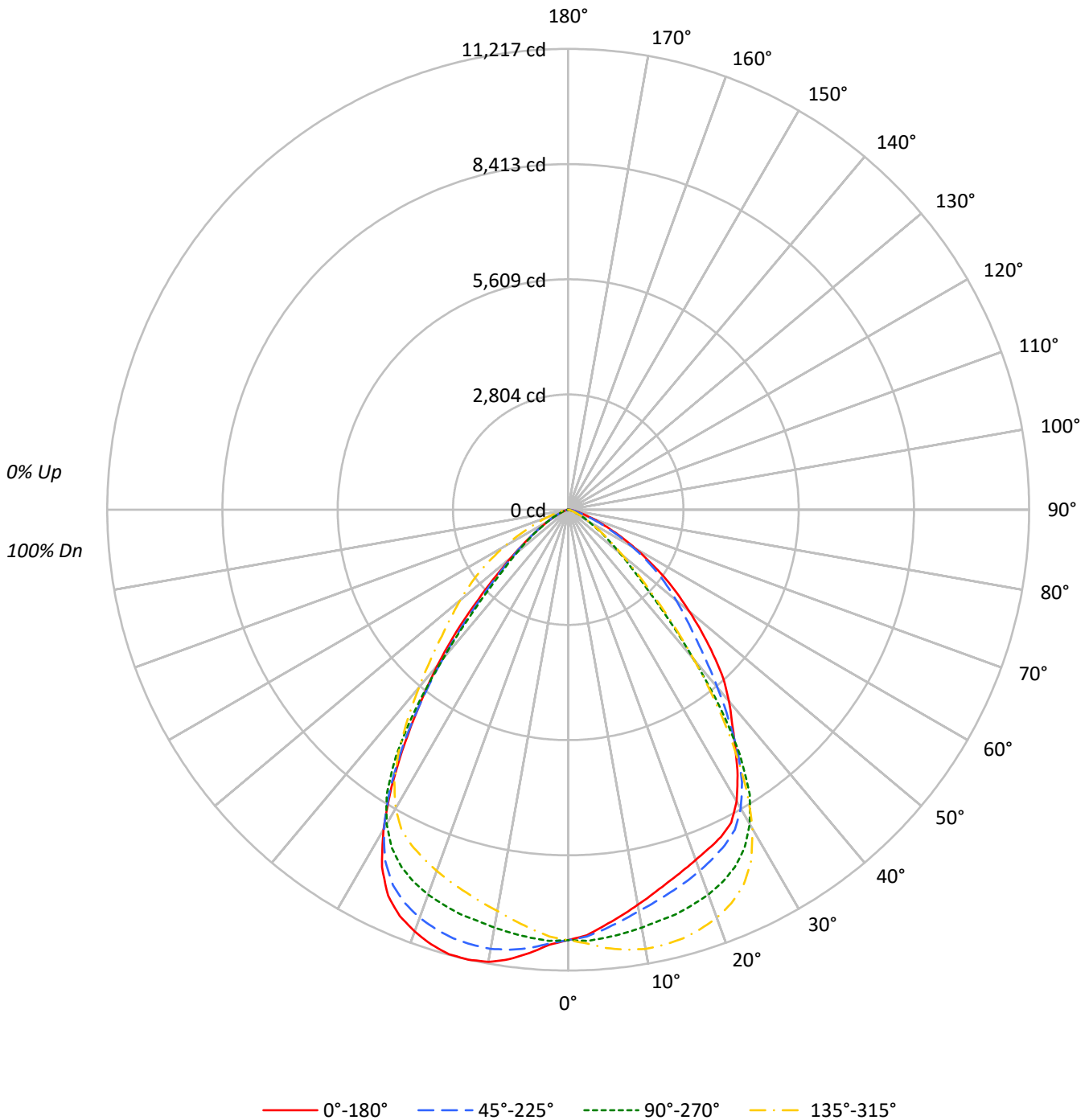
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	323020	323020	323020	323020
5°	314438	323777	335338	323777
10°	305740	323356	349940	323356
15°	299633	325275	357601	325275
20°	297592	327133	358521	327133
25°	299157	326478	352759	326478
30°	291758	314525	320179	314525
35°	266871	274377	260325	274377
40°	245014	190860	199309	190860
45°	217706	116436	134726	116436
50°	184273	77778	86375	77778
55°	152618	53073	56095	53073
60°	116401	35332	35641	35332
65°	82480	22014	20153	22014
70°	59487	14750	13380	14750
75°	37780	7327	6100	7327
80°	26353	5452	4528	5452
85°	23528	0	1804	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.1	5.7
10°-20°	2887.3	16.4
20°-30°	4371.9	24.8
30°-40°	4381.8	24.8
40°-50°	2751.5	15.6
50°-60°	1466.3	8.3
60°-70°	603.0	3.4
70°-80°	159.3	0.9
80°-90°	26.9	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°	8256.3	46.8
0°-40°	12638.0	71.6
0°-60°	16855.8	95.5
0°-90°	17645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17645.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10475	10475	10475	10475	10475	
5°	10158	10460	10833	10460	10158	958
15°	9386	10189	11202	10189	9386	2655
25°	8792	9596	10368	9596	8792	4033
35°	7089	7289	6915	7289	7089	4441
45°	4992	2670	3089	2670	4992	3839
55°	2839	987	1043	987	2839	2531
65°	1130	302	276	302	1130	1173
75°	317	62	51	62	317	359
85°	66	0	5	0	66	73
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°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10367.9	10357.6	10352.5	10362.9	10367.9	10388.3	10383.3	10393.4	10393.4	10398.6	10408.7
5°	10158.2	10153.0	10158.2	10158.2	10178.6	10199.1	10194.0	10209.4	10219.5	10245.2	10255.3
7.5°	9963.9	9963.9	9958.6	9979.1	9989.4	10020.1	10014.8	10040.5	10055.9	10081.4	10117.2
10°	9764.3	9764.3	9769.4	9784.7	9790.0	9835.9	9835.9	9871.7	9892.1	9917.8	9963.9
12.5°	9570.0	9570.0	9600.7	9590.4	9610.8	9646.6	9662.0	9697.8	9728.5	9779.7	9825.8
15°	9385.8	9385.8	9396.1	9421.6	9436.9	9483.0	9508.5	9549.6	9585.4	9636.5	9703.0
17.5°	9227.2	9222.2	9227.2	9258.0	9288.7	9329.6	9350.0	9401.1	9436.9	9503.5	9564.9
20°	9068.7	9079.0	9079.0	9104.5	9124.9	9176.1	9196.5	9252.9	9293.8	9355.0	9426.8
22.5°	8930.6	8925.5	8925.5	8961.3	8976.7	9022.6	9043.0	9094.2	9140.3	9191.4	9258.0
25°	8792.5	8782.2	8802.8	8807.9	8818.0	8869.1	8884.5	8920.3	8966.4	9012.5	9079.0
27.5°	8587.8	8577.7	8582.8	8603.2	8618.6	8659.4	8669.7	8705.5	8741.3	8782.2	8838.6
30°	8193.9	8183.8	8178.8	8214.6	8229.9	8260.5	8275.8	8337.3	8347.4	8393.5	8434.4
32.5°	7672.2	7667.2	7677.5	7708.0	7723.4	7764.5	7784.9	7820.7	7846.1	7871.8	7912.7
35°	7089.3	7079.0	7089.3	7120.0	7120.0	7155.8	7171.2	7186.3	7181.3	7186.3	7176.2
37.5°	6547.2	6541.9	6547.2	6562.3	6547.2	6562.3	6547.2	6516.4	6460.2	6398.7	6337.3
40°	6086.7	6091.8	6061.2	6081.7	6025.2	6015.1	5958.9	5882.1	5769.7	5646.9	5473.0
42.5°	5595.8	5580.4	5560.0	5570.1	5524.2	5488.2	5396.2	5299.1	5155.7	4951.3	4741.4
45°	4992.2	4987.1	4976.8	4971.7	4941.0	4905.2	4828.4	4715.9	4557.4	4347.7	4097.0
47.5°	4403.9	4388.6	4388.6	4393.6	4357.8	4352.8	4291.3	4194.2	4056.1	3851.5	3590.6
50°	3841.2	3836.1	3846.4	3866.9	3841.2	3831.1	3790.2	3723.7	3601.0	3427.1	3181.4
52.5°	3334.8	3329.8	3340.1	3365.6	3355.3	3365.6	3324.7	3273.6	3191.7	3022.8	2808.1
55°	2838.8	2838.8	2838.8	2869.4	2869.4	2869.4	2848.9	2818.4	2741.6	2618.8	2419.4
57.5°	2322.2	2327.2	2358.0	2363.0	2358.0	2368.3	2363.0	2332.3	2281.3	2194.4	2040.9
60°	1887.4	1887.4	1902.8	1918.2	1912.9	1918.2	1918.2	1902.8	1851.6	1780.1	1657.3
62.5°	1493.5	1508.9	1498.6	1508.9	1529.3	1508.9	1498.6	1488.5	1452.7	1406.6	1304.3
65°	1130.4	1140.7	1140.7	1145.7	1135.4	1140.7	1120.2	1104.9	1084.5	1033.3	966.8
67.5°	859.4	859.4	859.4	859.4	854.1	849.1	844.0	828.7	792.9	772.4	700.7
70°	659.8	629.1	629.1	629.1	629.1	634.3	619.0	598.5	588.2	552.4	501.3
72.5°	439.8	450.1	439.8	439.8	429.7	434.8	414.3	404.0	393.9	373.5	342.7
75°	317.1	291.6	301.7	307.0	291.6	301.7	281.3	260.9	260.9	245.5	230.1
77.5°	204.6	199.6	204.6	209.7	204.6	199.6	189.3	179.0	179.0	173.9	158.5
80°	148.4	143.2	143.2	143.2	138.1	143.2	133.1	133.1	122.7	117.7	107.4
82.5°	97.3	97.3	92.0	97.3	92.0	97.3	81.9	81.9	81.9	76.6	66.5
85°	66.5	56.2	56.2	61.5	51.2	61.5	56.2	51.2	46.1	46.1	40.8
87.5°	30.7	35.8	30.7	35.8	30.7	30.7	35.8	30.7	30.7	20.4	20.4
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°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10424.1	10429.2	10429.2	10449.8	10459.9	10465.0	10465.0	10506.0	10490.6	10501.0	10511.1
5°	10275.9	10306.4	10316.7	10316.7	10373.0	10393.4	10413.8	10459.9	10465.0	10495.7	10531.5
7.5°	10132.5	10168.3	10189.0	10234.8	10270.6	10306.4	10367.9	10398.6	10429.2	10470.2	10516.1
10°	9994.4	10035.5	10076.3	10112.1	10168.3	10214.4	10255.3	10326.9	10362.9	10419.1	10480.3
12.5°	9861.6	9917.8	9953.6	10014.8	10076.3	10117.2	10178.6	10245.2	10301.4	10357.6	10429.2
15°	9743.9	9810.4	9851.3	9917.8	9984.3	10040.5	10107.1	10189.0	10229.8	10296.3	10362.9
17.5°	9615.9	9687.7	9738.8	9800.1	9882.0	9943.3	9999.7	10081.4	10132.5	10204.1	10281.0
20°	9483.0	9554.6	9615.9	9677.4	9759.3	9820.5	9887.0	9968.9	10025.2	10096.7	10158.2
22.5°	9324.5	9391.0	9457.4	9528.9	9610.8	9662.0	9738.8	9810.4	9871.7	9938.2	9999.7
25°	9119.9	9201.8	9252.9	9319.2	9385.8	9442.0	9523.9	9595.5	9646.6	9708.1	9764.3
27.5°	8879.4	8940.9	8981.8	9038.0	9104.5	9155.7	9216.9	9288.7	9339.9	9396.1	9436.9
30°	8470.2	8526.6	8562.4	8603.2	8669.7	8715.9	8767.0	8833.3	8869.1	8910.2	8946.0
32.5°	7933.1	7979.2	7999.6	8030.4	8076.5	8122.4	8163.4	8219.6	8235.0	8260.5	8260.5
35°	7155.8	7165.9	7160.9	7171.2	7191.6	7217.1	7252.9	7288.7	7309.1	7309.1	7293.9
37.5°	6245.2	6184.0	6117.5	6066.3	6050.9	6040.6	6061.2	6076.4	6097.0	6107.1	6081.7
40°	5299.1	5161.0	5012.6	4879.5	4787.5	4746.7	4731.3	4741.4	4741.4	4777.2	4777.2
42.5°	4485.8	4270.9	4051.1	3851.5	3718.4	3616.3	3570.2	3570.2	3575.3	3601.0	3616.3
45°	3810.6	3539.5	3283.7	3063.9	2879.7	2746.6	2685.3	2670.0	2664.9	2675.0	2710.8
47.5°	3294.0	3012.7	2746.6	2475.7	2281.3	2148.3	2092.1	2071.4	2051.0	2071.4	2076.7
50°	2890.0	2598.4	2317.1	2046.0	1841.3	1723.6	1652.1	1621.3	1616.3	1616.3	1626.6
52.5°	2521.6	2250.6	1969.3	1693.1	1478.2	1365.7	1299.2	1283.8	1263.4	1283.8	1283.8
55°	2173.8	1902.8	1626.6	1365.7	1186.6	1069.1	1007.6	987.2	976.9	992.2	992.2
57.5°	1795.4	1565.1	1309.5	1074.1	895.2	813.3	767.2	741.7	736.4	746.8	736.4
60°	1473.1	1278.8	1058.8	844.0	705.9	619.0	583.2	572.9	562.5	572.9	572.9
62.5°	1166.1	1002.6	823.4	659.8	542.1	480.9	439.8	439.8	434.8	434.8	439.8
65°	864.4	736.4	608.7	470.5	378.5	332.4	301.7	301.7	296.6	301.7	296.6
67.5°	629.1	542.1	439.8	342.7	271.2	245.5	225.1	209.7	220.0	209.7	204.6
70°	460.4	388.6	317.1	260.9	209.7	184.2	168.8	163.6	153.5	153.5	153.5
72.5°	307.0	260.9	214.7	168.8	138.1	112.4	107.4	97.3	87.0	92.0	102.3
75°	204.6	173.9	153.5	122.7	92.0	92.0	61.5	61.5	51.2	61.5	46.1
77.5°	143.2	117.7	92.0	76.6	61.5	56.2	40.8	40.8	35.8	35.8	35.8
80°	102.3	87.0	66.5	56.2	40.8	40.8	35.8	30.7	25.5	25.5	30.7
82.5°	61.5	46.1	46.1	40.8	25.5	20.4	15.4	20.4	10.3	10.3	10.3
85°	35.8	30.7	25.5	15.4	10.3	10.3	5.1	0.0	5.1	5.1	0.0
87.5°	20.4	10.3	10.3	5.1	0.0	5.1	5.1	0.0	0.0	0.0	10.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10536.8	10531.5	10541.8	10541.8	10572.5	10567.3	10582.6	10582.6	10572.5	10577.6	10598.0
5°	10572.5	10587.9	10618.4	10644.1	10690.0	10710.7	10736.1	10761.8	10766.9	10782.2	10797.6
7.5°	10572.5	10623.7	10659.5	10705.4	10766.9	10802.7	10858.9	10905.0	10925.4	10950.9	10981.6
10°	10551.9	10603.1	10669.6	10720.8	10797.6	10853.8	10910.0	10981.6	11012.3	11053.2	11094.2
12.5°	10511.1	10567.3	10638.9	10705.4	10792.3	10843.5	10915.1	10981.6	11027.7	11083.9	11130.0
15°	10449.8	10516.1	10582.6	10649.2	10741.2	10802.7	10869.2	10945.8	10991.9	11053.2	11094.2
17.5°	10352.5	10424.1	10485.6	10546.9	10633.8	10705.4	10766.9	10838.4	10884.6	10935.7	10991.9
20°	10234.8	10301.4	10367.9	10419.1	10506.0	10567.3	10633.8	10700.3	10736.1	10746.4	10833.4
22.5°	10086.6	10132.5	10183.7	10265.6	10316.7	10373.0	10434.4	10495.7	10531.5	10587.9	10618.4
25°	9840.9	9887.0	9943.3	9979.1	10040.5	10086.6	10147.9	10214.4	10234.8	10275.9	10306.4
27.5°	9498.4	9523.9	9549.6	9580.1	9615.9	9641.6	9677.4	9708.1	9728.5	9748.9	9769.4
30°	8956.1	8956.1	8956.1	8935.7	8951.0	8966.4	8971.4	8966.4	8966.4	8961.3	8961.3
32.5°	8240.0	8199.2	8153.1	8112.3	8096.9	8076.5	8066.1	8050.8	8025.3	8009.9	8015.0
35°	7273.3	7181.3	7125.1	7073.9	7033.1	7002.3	6987.0	6971.6	6966.5	6946.1	6925.5
37.5°	6066.3	5999.8	5958.9	5928.2	5892.4	5861.7	5866.7	5872.0	5887.1	5877.0	5882.1
40°	4787.5	4772.2	4787.5	4751.7	4741.4	4751.7	4777.2	4813.2	4833.6	4854.0	4889.8
42.5°	3641.8	3667.3	3703.3	3703.3	3718.4	3739.1	3769.6	3826.0	3856.5	3892.3	3933.4
45°	2741.6	2772.3	2818.4	2833.6	2843.9	2869.4	2905.4	2951.3	2971.7	3002.4	3038.2
47.5°	2112.5	2132.9	2158.4	2184.1	2209.5	2219.9	2255.7	2255.7	2281.3	2301.8	2311.9
50°	1647.0	1667.4	1687.8	1703.2	1713.5	1728.9	1739.0	1754.4	1759.4	1769.7	1774.8
52.5°	1288.9	1314.6	1314.6	1324.7	1340.0	1355.4	1350.4	1355.4	1360.5	1360.5	1375.8
55°	1007.6	1007.6	1023.0	1023.0	1033.3	1028.0	1033.3	1033.3	1033.3	1033.3	1038.3
57.5°	751.8	757.1	772.4	762.1	757.1	767.2	757.1	767.2	762.1	772.4	757.1
60°	577.9	577.9	583.2	583.2	588.2	588.2	588.2	583.2	583.2	577.9	577.9
62.5°	434.8	439.8	445.1	439.8	439.8	439.8	434.8	434.8	429.7	424.4	424.4
65°	291.6	286.5	296.6	286.5	291.6	291.6	286.5	291.6	276.2	281.3	276.2
67.5°	209.7	204.6	199.6	204.6	199.6	194.3	194.3	199.6	204.6	189.3	189.3
70°	138.1	143.2	138.1	143.2	148.4	148.4	143.2	138.1	143.2	133.1	138.1
72.5°	87.0	87.0	87.0	87.0	87.0	92.0	92.0	92.0	81.9	81.9	76.6
75°	40.8	56.2	46.1	40.8	56.2	56.2	51.2	51.2	46.1	46.1	46.1
77.5°	40.8	30.7	30.7	30.7	30.7	30.7	30.7	30.7	25.5	30.7	25.5
80°	20.4	20.4	20.4	15.4	20.4	20.4	25.5	20.4	20.4	15.4	25.5
82.5°	10.3	10.3	10.3	0.0	5.1	10.3	10.3	5.1	10.3	10.3	5.1
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: P248558

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10593.0	10587.9	10593.0	10598.0	10593.0	10587.9	10593.0	10598.0	10577.6	10572.5	10582.6
5°	10818.0	10818.0	10828.1	10833.4	10828.1	10818.0	10818.0	10797.6	10782.2	10766.9	10761.8
7.5°	11012.3	11022.7	11032.8	11037.8	11032.8	11022.7	11012.3	10981.6	10950.9	10925.4	10905.0
10°	11130.0	11145.4	11165.8	11175.9	11165.8	11145.4	11130.0	11094.2	11053.2	11012.3	10981.6
12.5°	11181.2	11196.6	11222.0	11217.0	11222.0	11196.6	11181.2	11130.0	11083.9	11027.7	10981.6
15°	11145.4	11165.8	11191.3	11201.6	11191.3	11165.8	11145.4	11094.2	11053.2	10991.9	10945.8
17.5°	11032.8	11063.5	11078.9	11094.2	11078.9	11063.5	11032.8	10991.9	10935.7	10884.6	10838.4
20°	10879.3	10899.9	10920.3	10925.4	10920.3	10899.9	10879.3	10833.4	10746.4	10736.1	10700.3
22.5°	10659.5	10674.9	10720.8	10705.4	10720.8	10674.9	10659.5	10618.4	10587.9	10531.5	10495.7
25°	10342.2	10357.6	10362.9	10367.9	10362.9	10357.6	10342.2	10306.4	10275.9	10234.8	10214.4
27.5°	9795.0	9795.0	9805.2	9810.4	9805.2	9795.0	9795.0	9769.4	9748.9	9728.5	9708.1
30°	8966.4	8966.4	8966.4	8992.1	8966.4	8966.4	8966.4	8961.3	8961.3	8966.4	8966.4
32.5°	8009.9	7999.6	7989.5	7999.6	7989.5	7999.6	8009.9	8015.0	8009.9	8025.3	8050.8
35°	6925.5	6920.4	6935.8	6915.4	6935.8	6920.4	6925.5	6925.5	6946.1	6966.5	6971.6
37.5°	5887.1	5877.0	5897.4	5877.0	5897.4	5877.0	5887.1	5882.1	5877.0	5887.1	5872.0
40°	4900.2	4910.3	4910.3	4951.3	4910.3	4910.3	4900.2	4889.8	4854.0	4833.6	4813.2
42.5°	3953.8	3984.5	3974.2	4005.0	3974.2	3984.5	3953.8	3933.4	3892.3	3856.5	3826.0
45°	3058.6	3079.3	3079.3	3089.4	3079.3	3079.3	3058.6	3038.2	3002.4	2971.7	2951.3
47.5°	2347.7	2347.7	2347.7	2352.9	2347.7	2347.7	2347.7	2311.9	2301.8	2281.3	2255.7
50°	1785.1	1790.2	1795.4	1800.5	1795.4	1790.2	1785.1	1774.8	1769.7	1759.4	1754.4
52.5°	1370.8	1375.8	1365.7	1375.8	1365.7	1375.8	1370.8	1375.8	1360.5	1360.5	1355.4
55°	1038.3	1033.3	1038.3	1043.4	1038.3	1033.3	1038.3	1038.3	1033.3	1033.3	1033.3
57.5°	762.1	751.8	751.8	751.8	751.8	751.8	762.1	757.1	772.4	762.1	767.2
60°	567.8	572.9	572.9	577.9	572.9	572.9	567.8	577.9	577.9	583.2	583.2
62.5°	419.4	434.8	424.4	434.8	424.4	434.8	419.4	424.4	424.4	429.7	434.8
65°	271.2	271.2	271.2	276.2	271.2	271.2	271.2	276.2	281.3	276.2	291.6
67.5°	184.2	189.3	199.6	194.3	199.6	189.3	184.2	189.3	189.3	204.6	199.6
70°	148.4	133.1	133.1	148.4	133.1	133.1	148.4	138.1	133.1	143.2	138.1
72.5°	87.0	76.6	87.0	87.0	87.0	76.6	87.0	76.6	81.9	81.9	92.0
75°	46.1	40.8	35.8	51.2	35.8	40.8	46.1	46.1	46.1	46.1	51.2
77.5°	30.7	25.5	35.8	35.8	35.8	25.5	30.7	25.5	30.7	25.5	30.7
80°	15.4	20.4	15.4	25.5	15.4	20.4	15.4	25.5	15.4	20.4	20.4
82.5°	5.1	10.3	10.3	10.3	10.3	10.3	5.1	5.1	10.3	10.3	5.1
85°	0.0	10.3	5.1	5.1	5.1	10.3	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	0.0	0.0	5.1	0.0	0.0	5.1	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: P248558

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10582.6	10567.3	10572.5	10541.8	10541.8	10531.5	10536.8	10511.1	10501.0	10490.6	10506.0
5°	10736.1	10710.7	10690.0	10644.1	10618.4	10587.9	10572.5	10531.5	10495.7	10465.0	10459.9
7.5°	10858.9	10802.7	10766.9	10705.4	10659.5	10623.7	10572.5	10516.1	10470.2	10429.2	10398.6
10°	10910.0	10853.8	10797.6	10720.8	10669.6	10603.1	10551.9	10480.3	10419.1	10362.9	10326.9
12.5°	10915.1	10843.5	10792.3	10705.4	10638.9	10567.3	10511.1	10429.2	10357.6	10301.4	10245.2
15°	10869.2	10802.7	10741.2	10649.2	10582.6	10516.1	10449.8	10362.9	10296.3	10229.8	10189.0
17.5°	10766.9	10705.4	10633.8	10546.9	10485.6	10424.1	10352.5	10281.0	10204.1	10132.5	10081.4
20°	10633.8	10567.3	10506.0	10419.1	10367.9	10301.4	10234.8	10158.2	10096.7	10025.2	9968.9
22.5°	10434.4	10373.0	10316.7	10265.6	10183.7	10132.5	10086.6	9999.7	9938.2	9871.7	9810.4
25°	10147.9	10086.6	10040.5	9979.1	9943.3	9887.0	9840.9	9764.3	9708.1	9646.6	9595.5
27.5°	9677.4	9641.6	9615.9	9580.1	9549.6	9523.9	9498.4	9436.9	9396.1	9339.9	9288.7
30°	8971.4	8966.4	8951.0	8935.7	8956.1	8956.1	8956.1	8946.0	8910.2	8869.1	8833.3
32.5°	8066.1	8076.5	8096.9	8112.3	8153.1	8199.2	8240.0	8260.5	8260.5	8235.0	8219.6
35°	6987.0	7002.3	7033.1	7073.9	7125.1	7181.3	7273.3	7293.9	7309.1	7309.1	7288.7
37.5°	5866.7	5861.7	5892.4	5928.2	5958.9	5999.8	6066.3	6081.7	6107.1	6097.0	6076.4
40°	4777.2	4751.7	4741.4	4751.7	4787.5	4772.2	4787.5	4777.2	4777.2	4741.4	4741.4
42.5°	3769.6	3739.1	3718.4	3703.3	3703.3	3667.3	3641.8	3616.3	3601.0	3575.3	3570.2
45°	2905.4	2869.4	2843.9	2833.6	2818.4	2772.3	2741.6	2710.8	2675.0	2664.9	2670.0
47.5°	2255.7	2219.9	2209.5	2184.1	2158.4	2132.9	2112.5	2076.7	2071.4	2051.0	2071.4
50°	1739.0	1728.9	1713.5	1703.2	1687.8	1667.4	1647.0	1626.6	1616.3	1616.3	1621.3
52.5°	1350.4	1355.4	1340.0	1324.7	1314.6	1314.6	1288.9	1283.8	1283.8	1263.4	1283.8
55°	1033.3	1028.0	1033.3	1023.0	1023.0	1007.6	1007.6	992.2	992.2	976.9	987.2
57.5°	757.1	767.2	757.1	762.1	772.4	757.1	751.8	736.4	746.8	736.4	741.7
60°	588.2	588.2	588.2	583.2	583.2	577.9	577.9	572.9	572.9	562.5	572.9
62.5°	434.8	439.8	439.8	439.8	445.1	439.8	434.8	439.8	434.8	434.8	439.8
65°	286.5	291.6	291.6	286.5	296.6	286.5	291.6	296.6	301.7	296.6	301.7
67.5°	194.3	194.3	199.6	204.6	199.6	204.6	209.7	204.6	209.7	220.0	209.7
70°	143.2	148.4	148.4	143.2	138.1	143.2	138.1	153.5	153.5	153.5	163.6
72.5°	92.0	92.0	87.0	87.0	87.0	87.0	87.0	102.3	92.0	87.0	97.3
75°	51.2	56.2	56.2	40.8	46.1	56.2	40.8	46.1	61.5	51.2	61.5
77.5°	30.7	30.7	30.7	30.7	30.7	30.7	40.8	35.8	35.8	35.8	40.8
80°	25.5	20.4	20.4	15.4	20.4	20.4	20.4	30.7	25.5	25.5	30.7
82.5°	10.3	10.3	5.1	0.0	10.3	10.3	10.3	10.3	10.3	10.3	20.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	5.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	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: P248558

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10465.0	10465.0	10459.9	10449.8	10429.2	10429.2	10424.1	10408.7	10398.6	10393.4	10393.4
5°	10413.8	10393.4	10373.0	10316.7	10316.7	10306.4	10275.9	10255.3	10245.2	10219.5	10209.4
7.5°	10367.9	10306.4	10270.6	10234.8	10189.0	10168.3	10132.5	10117.2	10081.4	10055.9	10040.5
10°	10255.3	10214.4	10168.3	10112.1	10076.3	10035.5	9994.4	9963.9	9917.8	9892.1	9871.7
12.5°	10178.6	10117.2	10076.3	10014.8	9953.6	9917.8	9861.6	9825.8	9779.7	9728.5	9697.8
15°	10107.1	10040.5	9984.3	9917.8	9851.3	9810.4	9743.9	9703.0	9636.5	9585.4	9549.6
17.5°	9999.7	9943.3	9882.0	9800.1	9738.8	9687.7	9615.9	9564.9	9503.5	9436.9	9401.1
20°	9887.0	9820.5	9759.3	9677.4	9615.9	9554.6	9483.0	9426.8	9355.0	9293.8	9252.9
22.5°	9738.8	9662.0	9610.8	9528.9	9457.4	9391.0	9324.5	9258.0	9191.4	9140.3	9094.2
25°	9523.9	9442.0	9385.8	9319.2	9252.9	9201.8	9119.9	9079.0	9012.5	8966.4	8920.3
27.5°	9216.9	9155.7	9104.5	9038.0	8981.8	8940.9	8879.4	8838.6	8782.2	8741.3	8705.5
30°	8767.0	8715.9	8669.7	8603.2	8562.4	8526.6	8470.2	8434.4	8393.5	8347.4	8337.3
32.5°	8163.4	8122.4	8076.5	8030.4	7999.6	7979.2	7933.1	7912.7	7871.8	7846.1	7820.7
35°	7252.9	7217.1	7191.6	7171.2	7160.9	7165.9	7155.8	7176.2	7186.3	7181.3	7186.3
37.5°	6061.2	6040.6	6050.9	6066.3	6117.5	6184.0	6245.2	6337.3	6398.7	6460.2	6516.4
40°	4731.3	4746.7	4787.5	4879.5	5012.6	5161.0	5299.1	5473.0	5646.9	5769.7	5882.1
42.5°	3570.2	3616.3	3718.4	3851.5	4051.1	4270.9	4485.8	4741.4	4951.3	5155.7	5299.1
45°	2685.3	2746.6	2879.7	3063.9	3283.7	3539.5	3810.6	4097.0	4347.7	4557.4	4715.9
47.5°	2092.1	2148.3	2281.3	2475.7	2746.6	3012.7	3294.0	3590.6	3851.5	4056.1	4194.2
50°	1652.1	1723.6	1841.3	2046.0	2317.1	2598.4	2890.0	3181.4	3427.1	3601.0	3723.7
52.5°	1299.2	1365.7	1478.2	1693.1	1969.3	2250.6	2521.6	2808.1	3022.8	3191.7	3273.6
55°	1007.6	1069.1	1186.6	1365.7	1626.6	1902.8	2173.8	2419.4	2618.8	2741.6	2818.4
57.5°	767.2	813.3	895.2	1074.1	1309.5	1565.1	1795.4	2040.9	2194.4	2281.3	2332.3
60°	583.2	619.0	705.9	844.0	1058.8	1278.8	1473.1	1657.3	1780.1	1851.6	1902.8
62.5°	439.8	480.9	542.1	659.8	823.4	1002.6	1166.1	1304.3	1406.6	1452.7	1488.5
65°	301.7	332.4	378.5	470.5	608.7	736.4	864.4	966.8	1033.3	1084.5	1104.9
67.5°	225.1	245.5	271.2	342.7	439.8	542.1	629.1	700.7	772.4	792.9	828.7
70°	168.8	184.2	209.7	260.9	317.1	388.6	460.4	501.3	552.4	588.2	598.5
72.5°	107.4	112.4	138.1	168.8	214.7	260.9	307.0	342.7	373.5	393.9	404.0
75°	61.5	92.0	92.0	122.7	153.5	173.9	204.6	230.1	245.5	260.9	260.9
77.5°	40.8	56.2	61.5	76.6	92.0	117.7	143.2	158.5	173.9	179.0	179.0
80°	35.8	40.8	40.8	56.2	66.5	87.0	102.3	107.4	117.7	122.7	133.1
82.5°	15.4	20.4	25.5	40.8	46.1	46.1	61.5	66.5	76.6	81.9	81.9
85°	5.1	10.3	10.3	15.4	25.5	30.7	35.8	40.8	46.1	46.1	51.2
87.5°	5.1	5.1	0.0	5.1	10.3	10.3	20.4	20.4	20.4	30.7	30.7
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: P248558

CATALOG NUMBER: LD8B175D010 ER8B175830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3	10475.3
2.5°	10383.3	10388.3	10367.9	10362.9	10352.5	10357.6	10367.9
5°	10194.0	10199.1	10178.6	10158.2	10158.2	10153.0	10158.2
7.5°	10014.8	10020.1	9989.4	9979.1	9958.6	9963.9	9963.9
10°	9835.9	9835.9	9790.0	9784.7	9769.4	9764.3	9764.3
12.5°	9662.0	9646.6	9610.8	9590.4	9600.7	9570.0	9570.0
15°	9508.5	9483.0	9436.9	9421.6	9396.1	9385.8	9385.8
17.5°	9350.0	9329.6	9288.7	9258.0	9227.2	9222.2	9227.2
20°	9196.5	9176.1	9124.9	9104.5	9079.0	9079.0	9068.7
22.5°	9043.0	9022.6	8976.7	8961.3	8925.5	8925.5	8930.6
25°	8884.5	8869.1	8818.0	8807.9	8802.8	8782.2	8792.5
27.5°	8669.7	8659.4	8618.6	8603.2	8582.8	8577.7	8587.8
30°	8275.8	8260.5	8229.9	8214.6	8178.8	8183.8	8193.9
32.5°	7784.9	7764.5	7723.4	7708.0	7677.5	7667.2	7672.2
35°	7171.2	7155.8	7120.0	7120.0	7089.3	7079.0	7089.3
37.5°	6547.2	6562.3	6547.2	6562.3	6547.2	6541.9	6547.2
40°	5958.9	6015.1	6025.2	6081.7	6061.2	6091.8	6086.7
42.5°	5396.2	5488.2	5524.2	5570.1	5560.0	5580.4	5595.8
45°	4828.4	4905.2	4941.0	4971.7	4976.8	4987.1	4992.2
47.5°	4291.3	4352.8	4357.8	4393.6	4388.6	4388.6	4403.9
50°	3790.2	3831.1	3841.2	3866.9	3846.4	3836.1	3841.2
52.5°	3324.7	3365.6	3355.3	3365.6	3340.1	3329.8	3334.8
55°	2848.9	2869.4	2869.4	2869.4	2838.8	2838.8	2838.8
57.5°	2363.0	2368.3	2358.0	2363.0	2358.0	2327.2	2322.2
60°	1918.2	1918.2	1912.9	1918.2	1902.8	1887.4	1887.4
62.5°	1498.6	1508.9	1529.3	1508.9	1498.6	1508.9	1493.5
65°	1120.2	1140.7	1135.4	1145.7	1140.7	1140.7	1130.4
67.5°	844.0	849.1	854.1	859.4	859.4	859.4	859.4
70°	619.0	634.3	629.1	629.1	629.1	629.1	659.8
72.5°	414.3	434.8	429.7	439.8	439.8	450.1	439.8
75°	281.3	301.7	291.6	307.0	301.7	291.6	317.1
77.5°	189.3	199.6	204.6	209.7	204.6	199.6	204.6
80°	133.1	143.2	138.1	143.2	143.2	143.2	148.4
82.5°	81.9	97.3	92.0	97.3	92.0	97.3	97.3
85°	56.2	61.5	51.2	61.5	56.2	56.2	66.5
87.5°	35.8	30.7	30.7	35.8	30.7	35.8	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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