

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: P249062

Luminaire Tested: **LD8B175D010 ER8B175950 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249062  
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 ER8B175950 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16743.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 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

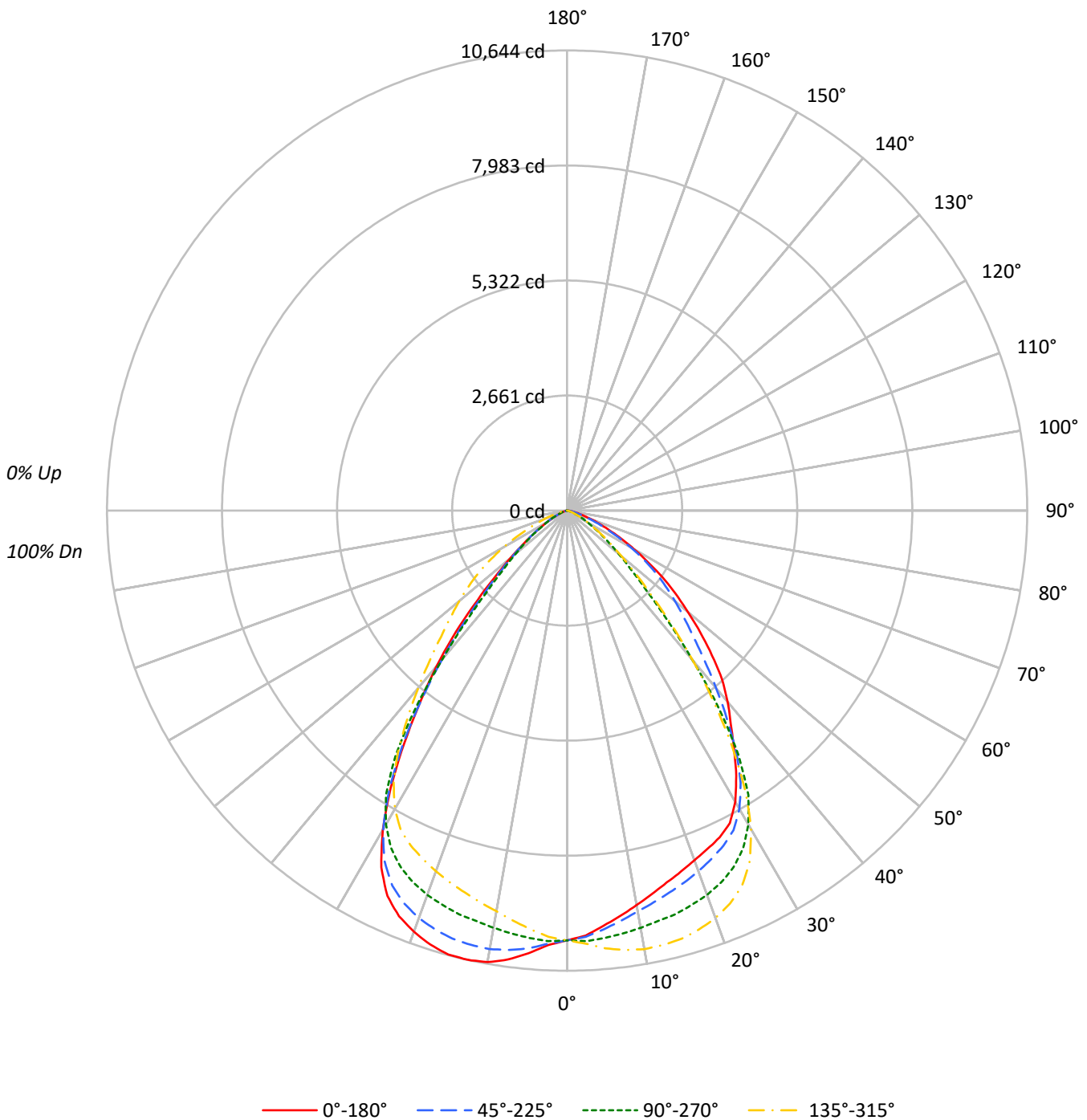
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	306507	306507	306507	306507
5°	298364	307226	318196	307226
10°	290112	306826	332051	306826
15°	284316	308645	339321	308645
20°	282379	310410	340193	310410
25°	283863	309786	334726	309786
30°	276846	298448	303811	298448
35°	253229	260351	247017	260351
40°	232491	181103	189121	181103
45°	206576	110484	127836	110484
50°	174851	73801	81957	73801
55°	144817	50358	53229	50358
60°	110450	33525	33821	33525
65°	78262	20890	19124	20890
70°	56449	13993	12694	13993
75°	35850	6946	5778	6946
80°	25003	5185	4297	5185
85°	22325	0	1698	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	946.1	5.7
10°-20°	2739.7	16.4
20°-30°	4148.4	24.8
30°-40°	4157.8	24.8
40°-50°	2610.9	15.6
50°-60°	1391.3	8.3
60°-70°	572.1	3.4
70°-80°	151.2	0.9
80°-90°	25.6	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°	7834.2	46.8
0°-40°	11992.0	71.6
0°-60°	15994.1	95.5
0°-90°	16743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9940	9940	9940	9940	9940	
5°	9639	9925	10280	9925	9639	909
15°	8906	9668	10629	9668	8906	2519
25°	8343	9105	9838	9105	8343	3826
35°	6727	6916	6562	6916	6727	4214
45°	4737	2534	2931	2534	4737	3643
55°	2694	937	990	937	2694	2402
65°	1073	286	262	286	1073	1113
75°	301	58	48	58	301	341
85°	63	0	5	0	63	69
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°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	9837.9	9828.1	9823.3	9833.1	9837.9	9857.3	9852.5	9862.1	9862.1	9867.1	9876.7
5°	9638.9	9633.9	9638.9	9638.9	9658.3	9677.7	9672.9	9687.5	9697.1	9721.4	9731.0
7.5°	9454.5	9454.5	9449.6	9468.9	9478.7	9507.9	9502.9	9527.3	9541.8	9566.0	9600.0
10°	9265.2	9265.2	9270.0	9284.5	9289.5	9333.1	9333.1	9367.0	9386.4	9410.8	9454.5
12.5°	9080.8	9080.8	9109.9	9100.2	9119.5	9153.5	9168.1	9202.0	9231.2	9279.7	9323.5
15°	8906.0	8906.0	8915.8	8939.9	8954.5	8998.3	9022.4	9061.4	9095.4	9143.9	9207.0
17.5°	8755.5	8750.8	8755.5	8784.7	8813.9	8852.6	8872.0	8920.6	8954.5	9017.6	9076.0
20°	8605.1	8614.9	8614.9	8639.1	8658.5	8707.0	8726.4	8779.9	8818.7	8876.8	8944.9
22.5°	8474.1	8469.3	8469.3	8503.2	8517.8	8561.4	8580.7	8629.3	8673.0	8721.6	8784.7
25°	8343.0	8333.2	8352.8	8357.6	8367.2	8415.7	8430.3	8464.3	8508.0	8551.8	8614.9
27.5°	8148.8	8139.3	8144.1	8163.4	8178.0	8216.8	8226.6	8260.5	8294.5	8333.2	8386.8
30°	7775.1	7765.5	7760.7	7794.7	7809.2	7838.2	7852.8	7911.1	7920.7	7964.5	8003.2
32.5°	7280.0	7275.2	7285.0	7314.0	7328.6	7367.5	7386.9	7420.9	7445.1	7469.4	7508.2
35°	6726.9	6717.1	6726.9	6756.0	6756.0	6790.0	6804.6	6819.0	6814.2	6819.0	6809.4
37.5°	6212.5	6207.5	6212.5	6226.9	6212.5	6226.9	6212.5	6183.3	6130.0	6071.6	6013.3
40°	5775.6	5780.4	5751.4	5770.8	5717.2	5707.6	5654.3	5581.4	5474.7	5358.2	5193.2
42.5°	5309.7	5295.1	5275.7	5285.3	5241.8	5207.6	5120.3	5028.2	4892.2	4698.2	4499.0
45°	4737.0	4732.2	4722.4	4717.6	4688.4	4654.5	4581.5	4474.9	4324.4	4125.5	3887.5
47.5°	4178.8	4164.2	4164.2	4169.0	4135.1	4130.3	4071.9	3979.8	3848.8	3654.6	3407.1
50°	3644.8	3640.0	3649.8	3669.2	3644.8	3635.2	3596.5	3533.3	3416.9	3251.9	3018.7
52.5°	3164.4	3159.6	3169.4	3193.5	3183.7	3193.5	3154.8	3106.2	3028.5	2868.3	2664.5
55°	2693.7	2693.7	2693.7	2722.7	2722.7	2722.7	2703.3	2674.3	2601.4	2484.9	2295.8
57.5°	2203.5	2208.3	2237.4	2242.2	2237.4	2247.2	2242.2	2213.1	2164.7	2082.2	1936.6
60°	1790.9	1790.9	1805.5	1820.1	1815.1	1820.1	1820.1	1805.5	1757.0	1689.1	1572.6
62.5°	1417.2	1431.8	1422.0	1431.8	1451.1	1431.8	1422.0	1412.4	1378.4	1334.7	1237.6
65°	1072.6	1082.4	1082.4	1087.2	1077.4	1082.4	1063.0	1048.4	1029.0	980.5	917.3
67.5°	815.5	815.5	815.5	815.5	810.5	805.7	800.9	786.3	752.3	733.0	664.8
70°	626.1	596.9	596.9	596.9	596.9	601.9	587.3	567.9	558.2	524.2	475.7
72.5°	417.3	427.1	417.3	417.3	407.7	412.5	393.1	383.4	373.8	354.4	325.2
75°	300.9	276.7	286.3	291.3	276.7	286.3	266.9	247.5	247.5	232.9	218.3
77.5°	194.2	189.4	194.2	199.0	194.2	189.4	179.6	169.8	169.8	165.0	150.4
80°	140.8	135.8	135.8	135.8	131.0	135.8	126.3	126.3	116.5	111.7	101.9
82.5°	92.3	92.3	87.3	92.3	87.3	92.3	77.7	77.7	77.7	72.7	63.1
85°	63.1	53.3	53.3	58.3	48.5	58.3	53.3	48.5	43.7	43.7	38.8
87.5°	29.2	34.0	29.2	34.0	29.2	29.2	34.0	29.2	29.2	19.4	19.4
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°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	9891.2	9896.0	9896.0	9915.6	9925.2	9930.0	9930.0	9969.0	9954.4	9964.2	9973.7
5°	9750.6	9779.6	9789.4	9789.4	9842.7	9862.1	9881.5	9925.2	9930.0	9959.2	9993.1
7.5°	9614.6	9648.5	9668.1	9711.7	9745.6	9779.6	9837.9	9867.1	9896.0	9935.0	9978.5
10°	9483.5	9522.5	9561.2	9595.2	9648.5	9692.3	9731.0	9799.0	9833.1	9886.5	9944.6
12.5°	9357.5	9410.8	9444.8	9502.9	9561.2	9600.0	9658.3	9721.4	9774.8	9828.1	9896.0
15°	9245.8	9308.9	9347.7	9410.8	9473.9	9527.3	9590.4	9668.1	9706.9	9770.0	9833.1
17.5°	9124.3	9192.4	9241.0	9299.1	9376.8	9435.0	9488.5	9566.0	9614.6	9682.5	9755.4
20°	8998.3	9066.2	9124.3	9182.7	9260.4	9318.5	9381.6	9459.3	9512.7	9580.6	9638.9
22.5°	8847.8	8911.0	8973.9	9041.8	9119.5	9168.1	9241.0	9308.9	9367.0	9430.2	9488.5
25°	8653.7	8731.4	8779.9	8842.8	8906.0	8959.3	9037.0	9104.9	9153.5	9211.8	9265.2
27.5°	8425.5	8483.9	8522.6	8576.0	8639.1	8687.6	8745.8	8813.9	8862.4	8915.8	8954.5
30°	8037.2	8090.7	8124.7	8163.4	8226.6	8270.3	8318.8	8381.8	8415.7	8454.7	8488.7
32.5°	7527.6	7571.3	7590.7	7619.9	7663.6	7707.2	7746.1	7799.4	7814.0	7838.2	7838.2
35°	6790.0	6799.6	6794.8	6804.6	6824.0	6848.1	6882.1	6916.1	6935.4	6935.4	6921.1
37.5°	5926.0	5867.9	5804.7	5756.2	5741.6	5731.8	5751.4	5765.8	5785.4	5794.9	5770.8
40°	5028.2	4897.2	4756.3	4630.1	4542.8	4504.0	4489.4	4499.0	4499.0	4533.0	4533.0
42.5°	4256.5	4052.5	3844.0	3654.6	3528.3	3431.5	3387.7	3387.7	3392.5	3416.9	3431.5
45°	3615.8	3358.5	3115.8	2907.3	2732.5	2606.2	2548.1	2533.5	2528.7	2538.3	2572.2
47.5°	3125.6	2858.7	2606.2	2349.1	2164.7	2038.5	1985.1	1965.5	1946.2	1965.5	1970.5
50°	2742.3	2465.6	2198.7	1941.4	1747.2	1635.5	1567.6	1538.4	1533.6	1533.6	1543.4
52.5°	2392.7	2135.5	1868.7	1606.6	1402.6	1295.9	1232.8	1218.2	1198.8	1218.2	1218.2
55°	2062.6	1805.5	1543.4	1295.9	1125.9	1014.4	956.1	936.7	926.9	941.5	941.5
57.5°	1703.6	1485.1	1242.6	1019.2	849.4	771.7	728.0	703.8	698.8	708.6	698.8
60°	1397.8	1213.4	1004.6	800.9	669.8	587.3	553.4	543.6	533.8	543.6	543.6
62.5°	1106.5	951.3	781.3	626.1	514.4	456.3	417.3	417.3	412.5	412.5	417.3
65°	820.3	698.8	577.5	446.5	359.2	315.4	286.3	286.3	281.5	286.3	281.5
67.5°	596.9	514.4	417.3	325.2	257.3	232.9	213.6	199.0	208.8	199.0	194.2
70°	436.9	368.8	300.9	247.5	199.0	174.8	160.2	155.2	145.6	145.6	145.6
72.5°	291.3	247.5	203.8	160.2	131.0	106.7	101.9	92.3	82.5	87.3	97.1
75°	194.2	165.0	145.6	116.5	87.3	87.3	58.3	58.3	48.5	58.3	43.7
77.5°	135.8	111.7	87.3	72.7	58.3	53.3	38.8	38.8	34.0	34.0	34.0
80°	97.1	82.5	63.1	53.3	38.8	38.8	34.0	29.2	24.2	24.2	29.2
82.5°	58.3	43.7	43.7	38.8	24.2	19.4	14.6	19.4	9.8	9.8	9.8
85°	34.0	29.2	24.2	14.6	9.8	9.8	4.8	0.0	4.8	4.8	0.0
87.5°	19.4	9.8	9.8	4.8	0.0	4.8	4.8	0.0	0.0	0.0	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	9998.1	9993.1	10002.9	10002.9	10032.1	10027.1	10041.7	10041.7	10032.1	10036.9	10056.3
5°	10032.1	10046.7	10075.6	10100.0	10143.6	10163.1	10187.3	10211.7	10216.5	10231.1	10245.6
7.5°	10032.1	10080.6	10114.6	10158.1	10216.5	10250.4	10303.8	10347.5	10366.9	10391.1	10420.2
10°	10012.5	10061.0	10124.2	10172.7	10245.6	10299.0	10352.3	10420.2	10449.4	10488.2	10527.1
12.5°	9973.7	10027.1	10095.0	10158.1	10240.6	10289.2	10357.1	10420.2	10464.0	10517.3	10561.1
15°	9915.6	9978.5	10041.7	10104.8	10192.1	10250.4	10313.6	10386.3	10430.0	10488.2	10527.1
17.5°	9823.3	9891.2	9949.6	10007.7	10090.2	10158.1	10216.5	10284.4	10328.1	10376.7	10430.0
20°	9711.7	9774.8	9837.9	9886.5	9969.0	10027.1	10090.2	10153.3	10187.3	10197.1	10279.6
22.5°	9571.0	9614.6	9663.1	9740.8	9789.4	9842.7	9901.0	9959.2	9993.1	10046.7	10075.6
25°	9337.9	9381.6	9435.0	9468.9	9527.3	9571.0	9629.1	9692.3	9711.7	9750.6	9779.6
27.5°	9012.9	9037.0	9061.4	9090.4	9124.3	9148.7	9182.7	9211.8	9231.2	9250.6	9270.0
30°	8498.2	8498.2	8498.2	8478.9	8493.4	8508.0	8512.8	8508.0	8508.0	8503.2	8503.2
32.5°	7818.8	7780.1	7736.3	7697.6	7683.0	7663.6	7653.8	7639.2	7615.1	7600.5	7605.3
35°	6901.5	6814.2	6760.8	6712.3	6673.5	6644.4	6629.8	6615.2	6610.4	6591.0	6571.5
37.5°	5756.2	5693.1	5654.3	5625.1	5591.2	5562.0	5566.8	5571.8	5586.2	5576.6	5581.4
40°	4542.8	4528.2	4542.8	4508.8	4499.0	4508.8	4533.0	4567.2	4586.5	4605.9	4639.9
42.5°	3455.6	3479.8	3514.0	3514.0	3528.3	3547.9	3576.9	3630.4	3659.4	3693.4	3732.3
45°	2601.4	2630.6	2674.3	2688.7	2698.5	2722.7	2756.8	2800.4	2819.8	2848.9	2882.9
47.5°	2004.5	2023.9	2048.0	2072.4	2096.6	2106.4	2140.3	2140.3	2164.7	2184.1	2193.7
50°	1562.8	1582.2	1601.6	1616.1	1625.9	1640.5	1650.1	1664.7	1669.5	1679.3	1684.1
52.5°	1223.0	1247.4	1247.4	1257.0	1271.5	1286.1	1281.3	1286.1	1290.9	1290.9	1305.5
55°	956.1	956.1	970.7	970.7	980.5	975.5	980.5	980.5	980.5	980.5	985.3
57.5°	713.4	718.4	733.0	723.2	718.4	728.0	718.4	728.0	723.2	733.0	718.4
60°	548.4	548.4	553.4	553.4	558.2	558.2	558.2	553.4	553.4	548.4	548.4
62.5°	412.5	417.3	422.3	417.3	417.3	417.3	412.5	412.5	407.7	402.7	402.7
65°	276.7	271.9	281.5	271.9	276.7	276.7	271.9	276.7	262.1	266.9	262.1
67.5°	199.0	194.2	189.4	194.2	189.4	184.4	184.4	189.4	194.2	179.6	179.6
70°	131.0	135.8	131.0	135.8	140.8	140.8	135.8	131.0	135.8	126.3	131.0
72.5°	82.5	82.5	82.5	82.5	82.5	87.3	87.3	87.3	77.7	77.7	72.7
75°	38.8	53.3	43.7	38.8	53.3	53.3	48.5	48.5	43.7	43.7	43.7
77.5°	38.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2	24.2	29.2	24.2
80°	19.4	19.4	19.4	14.6	19.4	19.4	24.2	19.4	19.4	14.6	24.2
82.5°	9.8	9.8	9.8	0.0	4.8	9.8	9.8	4.8	9.8	9.8	4.8
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: P249062

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	10051.5	10046.7	10051.5	10056.3	10051.5	10046.7	10051.5	10056.3	10036.9	10032.1	10041.7
5°	10265.0	10265.0	10274.6	10279.6	10274.6	10265.0	10265.0	10245.6	10231.1	10216.5	10211.7
7.5°	10449.4	10459.2	10468.8	10473.6	10468.8	10459.2	10449.4	10420.2	10391.1	10366.9	10347.5
10°	10561.1	10575.7	10595.0	10604.6	10595.0	10575.7	10561.1	10527.1	10488.2	10449.4	10420.2
12.5°	10609.6	10624.2	10648.4	10643.6	10648.4	10624.2	10609.6	10561.1	10517.3	10464.0	10420.2
15°	10575.7	10595.0	10619.2	10629.0	10619.2	10595.0	10575.7	10527.1	10488.2	10430.0	10386.3
17.5°	10468.8	10497.9	10512.5	10527.1	10512.5	10497.9	10468.8	10430.0	10376.7	10328.1	10284.4
20°	10323.1	10342.7	10362.1	10366.9	10362.1	10342.7	10323.1	10279.6	10197.1	10187.3	10153.3
22.5°	10114.6	10129.2	10172.7	10158.1	10172.7	10129.2	10114.6	10075.6	10046.7	9993.1	9959.2
25°	9813.5	9828.1	9833.1	9837.9	9833.1	9828.1	9813.5	9779.6	9750.6	9711.7	9692.3
27.5°	9294.3	9294.3	9303.9	9308.9	9303.9	9294.3	9294.3	9270.0	9250.6	9231.2	9211.8
30°	8508.0	8508.0	8508.0	8532.4	8508.0	8508.0	8508.0	8503.2	8503.2	8508.0	8508.0
32.5°	7600.5	7590.7	7581.1	7590.7	7581.1	7590.7	7600.5	7605.3	7600.5	7615.1	7639.2
35°	6571.5	6566.7	6581.2	6561.9	6581.2	6566.7	6571.5	6571.5	6591.0	6610.4	6615.2
37.5°	5586.2	5576.6	5596.0	5576.6	5596.0	5576.6	5586.2	5581.4	5576.6	5586.2	5571.8
40°	4649.7	4659.3	4659.3	4698.2	4659.3	4659.3	4649.7	4639.9	4605.9	4586.5	4567.2
42.5°	3751.7	3780.9	3771.1	3800.2	3771.1	3780.9	3751.7	3732.3	3693.4	3659.4	3630.4
45°	2902.3	2921.8	2921.8	2931.4	2921.8	2921.8	2902.3	2882.9	2848.9	2819.8	2800.4
47.5°	2227.6	2227.6	2227.6	2232.6	2227.6	2227.6	2227.6	2193.7	2184.1	2164.7	2140.3
50°	1693.9	1698.6	1703.6	1708.4	1703.6	1698.6	1693.9	1684.1	1679.3	1669.5	1664.7
52.5°	1300.7	1305.5	1295.9	1305.5	1295.9	1305.5	1300.7	1305.5	1290.9	1290.9	1286.1
55°	985.3	980.5	985.3	990.1	985.3	980.5	985.3	985.3	980.5	980.5	980.5
57.5°	723.2	713.4	713.4	713.4	713.4	713.4	723.2	718.4	733.0	723.2	728.0
60°	538.8	543.6	543.6	548.4	543.6	543.6	538.8	548.4	548.4	553.4	553.4
62.5°	397.9	412.5	402.7	412.5	402.7	412.5	397.9	402.7	402.7	407.7	412.5
65°	257.3	257.3	257.3	262.1	257.3	257.3	257.3	262.1	266.9	262.1	276.7
67.5°	174.8	179.6	189.4	184.4	189.4	179.6	174.8	179.6	179.6	194.2	189.4
70°	140.8	126.3	126.3	140.8	126.3	126.3	140.8	131.0	126.3	135.8	131.0
72.5°	82.5	72.7	82.5	82.5	82.5	72.7	82.5	72.7	77.7	77.7	87.3
75°	43.7	38.8	34.0	48.5	34.0	38.8	43.7	43.7	43.7	43.7	48.5
77.5°	29.2	24.2	34.0	34.0	34.0	24.2	29.2	24.2	29.2	24.2	29.2
80°	14.6	19.4	14.6	24.2	14.6	19.4	14.6	24.2	14.6	19.4	19.4
82.5°	4.8	9.8	9.8	9.8	9.8	9.8	4.8	4.8	9.8	9.8	4.8
85°	0.0	9.8	4.8	4.8	4.8	9.8	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	0.0	0.0	4.8	0.0	0.0	4.8	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: P249062

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	10041.7	10027.1	10032.1	10002.9	10002.9	9993.1	9998.1	9973.7	9964.2	9954.4	9969.0
5°	10187.3	10163.1	10143.6	10100.0	10075.6	10046.7	10032.1	9993.1	9959.2	9930.0	9925.2
7.5°	10303.8	10250.4	10216.5	10158.1	10114.6	10080.6	10032.1	9978.5	9935.0	9896.0	9867.1
10°	10352.3	10299.0	10245.6	10172.7	10124.2	10061.0	10012.5	9944.6	9886.5	9833.1	9799.0
12.5°	10357.1	10289.2	10240.6	10158.1	10095.0	10027.1	9973.7	9896.0	9828.1	9774.8	9721.4
15°	10313.6	10250.4	10192.1	10104.8	10041.7	9978.5	9915.6	9833.1	9770.0	9706.9	9668.1
17.5°	10216.5	10158.1	10090.2	10007.7	9949.6	9891.2	9823.3	9755.4	9682.5	9614.6	9566.0
20°	10090.2	10027.1	9969.0	9886.5	9837.9	9774.8	9711.7	9638.9	9580.6	9512.7	9459.3
22.5°	9901.0	9842.7	9789.4	9740.8	9663.1	9614.6	9571.0	9488.5	9430.2	9367.0	9308.9
25°	9629.1	9571.0	9527.3	9468.9	9435.0	9381.6	9337.9	9265.2	9211.8	9153.5	9104.9
27.5°	9182.7	9148.7	9124.3	9090.4	9061.4	9037.0	9012.9	8954.5	8915.8	8862.4	8813.9
30°	8512.8	8508.0	8493.4	8478.9	8498.2	8498.2	8498.2	8488.7	8454.7	8415.7	8381.8
32.5°	7653.8	7663.6	7683.0	7697.6	7736.3	7780.1	7818.8	7838.2	7838.2	7814.0	7799.4
35°	6629.8	6644.4	6673.5	6712.3	6760.8	6814.2	6901.5	6921.1	6935.4	6935.4	6916.1
37.5°	5566.8	5562.0	5591.2	5625.1	5654.3	5693.1	5756.2	5770.8	5794.9	5785.4	5765.8
40°	4533.0	4508.8	4499.0	4508.8	4542.8	4528.2	4542.8	4533.0	4533.0	4499.0	4499.0
42.5°	3576.9	3547.9	3528.3	3514.0	3514.0	3479.8	3455.6	3431.5	3416.9	3392.5	3387.7
45°	2756.8	2722.7	2698.5	2688.7	2674.3	2630.6	2601.4	2572.2	2538.3	2528.7	2533.5
47.5°	2140.3	2106.4	2096.6	2072.4	2048.0	2023.9	2004.5	1970.5	1965.5	1946.2	1965.5
50°	1650.1	1640.5	1625.9	1616.1	1601.6	1582.2	1562.8	1543.4	1533.6	1533.6	1538.4
52.5°	1281.3	1286.1	1271.5	1257.0	1247.4	1247.4	1223.0	1218.2	1218.2	1198.8	1218.2
55°	980.5	975.5	980.5	970.7	970.7	956.1	956.1	941.5	941.5	926.9	936.7
57.5°	718.4	728.0	718.4	723.2	733.0	718.4	713.4	698.8	708.6	698.8	703.8
60°	558.2	558.2	558.2	553.4	553.4	548.4	548.4	543.6	543.6	533.8	543.6
62.5°	412.5	417.3	417.3	417.3	422.3	417.3	412.5	417.3	412.5	412.5	417.3
65°	271.9	276.7	276.7	271.9	281.5	271.9	276.7	281.5	286.3	281.5	286.3
67.5°	184.4	184.4	189.4	194.2	189.4	194.2	199.0	194.2	199.0	208.8	199.0
70°	135.8	140.8	140.8	135.8	131.0	135.8	131.0	145.6	145.6	145.6	155.2
72.5°	87.3	87.3	82.5	82.5	82.5	82.5	82.5	97.1	87.3	82.5	92.3
75°	48.5	53.3	53.3	38.8	43.7	53.3	38.8	43.7	58.3	48.5	58.3
77.5°	29.2	29.2	29.2	29.2	29.2	29.2	38.8	34.0	34.0	34.0	38.8
80°	24.2	19.4	19.4	14.6	19.4	19.4	19.4	29.2	24.2	24.2	29.2
82.5°	9.8	9.8	4.8	0.0	9.8	9.8	9.8	9.8	9.8	9.8	19.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P249062

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	9930.0	9930.0	9925.2	9915.6	9896.0	9896.0	9891.2	9876.7	9867.1	9862.1	9862.1
5°	9881.5	9862.1	9842.7	9789.4	9789.4	9779.6	9750.6	9731.0	9721.4	9697.1	9687.5
7.5°	9837.9	9779.6	9745.6	9711.7	9668.1	9648.5	9614.6	9600.0	9566.0	9541.8	9527.3
10°	9731.0	9692.3	9648.5	9595.2	9561.2	9522.5	9483.5	9454.5	9410.8	9386.4	9367.0
12.5°	9658.3	9600.0	9561.2	9502.9	9444.8	9410.8	9357.5	9323.5	9279.7	9231.2	9202.0
15°	9590.4	9527.3	9473.9	9410.8	9347.7	9308.9	9245.8	9207.0	9143.9	9095.4	9061.4
17.5°	9488.5	9435.0	9376.8	9299.1	9241.0	9192.4	9124.3	9076.0	9017.6	8954.5	8920.6
20°	9381.6	9318.5	9260.4	9182.7	9124.3	9066.2	8998.3	8944.9	8876.8	8818.7	8779.9
22.5°	9241.0	9168.1	9119.5	9041.8	8973.9	8911.0	8847.8	8784.7	8721.6	8673.0	8629.3
25°	9037.0	8959.3	8906.0	8842.8	8779.9	8731.4	8653.7	8614.9	8551.8	8508.0	8464.3
27.5°	8745.8	8687.6	8639.1	8576.0	8522.6	8483.9	8425.5	8386.8	8333.2	8294.5	8260.5
30°	8318.8	8270.3	8226.6	8163.4	8124.7	8090.7	8037.2	8003.2	7964.5	7920.7	7911.1
32.5°	7746.1	7707.2	7663.6	7619.9	7590.7	7571.3	7527.6	7508.2	7469.4	7445.1	7420.9
35°	6882.1	6848.1	6824.0	6804.6	6794.8	6799.6	6790.0	6809.4	6819.0	6814.2	6819.0
37.5°	5751.4	5731.8	5741.6	5756.2	5804.7	5867.9	5926.0	6013.3	6071.6	6130.0	6183.3
40°	4489.4	4504.0	4542.8	4630.1	4756.3	4897.2	5028.2	5193.2	5358.2	5474.7	5581.4
42.5°	3387.7	3431.5	3528.3	3654.6	3844.0	4052.5	4256.5	4499.0	4698.2	4892.2	5028.2
45°	2548.1	2606.2	2732.5	2907.3	3115.8	3358.5	3615.8	3887.5	4125.5	4324.4	4474.9
47.5°	1985.1	2038.5	2164.7	2349.1	2606.2	2858.7	3125.6	3407.1	3654.6	3848.8	3979.8
50°	1567.6	1635.5	1747.2	1941.4	2198.7	2465.6	2742.3	3018.7	3251.9	3416.9	3533.3
52.5°	1232.8	1295.9	1402.6	1606.6	1868.7	2135.5	2392.7	2664.5	2868.3	3028.5	3106.2
55°	956.1	1014.4	1125.9	1295.9	1543.4	1805.5	2062.6	2295.8	2484.9	2601.4	2674.3
57.5°	728.0	771.7	849.4	1019.2	1242.6	1485.1	1703.6	1936.6	2082.2	2164.7	2213.1
60°	553.4	587.3	669.8	800.9	1004.6	1213.4	1397.8	1572.6	1689.1	1757.0	1805.5
62.5°	417.3	456.3	514.4	626.1	781.3	951.3	1106.5	1237.6	1334.7	1378.4	1412.4
65°	286.3	315.4	359.2	446.5	577.5	698.8	820.3	917.3	980.5	1029.0	1048.4
67.5°	213.6	232.9	257.3	325.2	417.3	514.4	596.9	664.8	733.0	752.3	786.3
70°	160.2	174.8	199.0	247.5	300.9	368.8	436.9	475.7	524.2	558.2	567.9
72.5°	101.9	106.7	131.0	160.2	203.8	247.5	291.3	325.2	354.4	373.8	383.4
75°	58.3	87.3	87.3	116.5	145.6	165.0	194.2	218.3	232.9	247.5	247.5
77.5°	38.8	53.3	58.3	72.7	87.3	111.7	135.8	150.4	165.0	169.8	169.8
80°	34.0	38.8	38.8	53.3	63.1	82.5	97.1	101.9	111.7	116.5	126.3
82.5°	14.6	19.4	24.2	38.8	43.7	43.7	58.3	63.1	72.7	77.7	77.7
85°	4.8	9.8	9.8	14.6	24.2	29.2	34.0	38.8	43.7	43.7	48.5
87.5°	4.8	4.8	0.0	4.8	9.8	9.8	19.4	19.4	19.4	29.2	29.2
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: P249062

CATALOG NUMBER: LD8B175D010 ER8B175950 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8	9939.8
2.5°	9852.5	9857.3	9837.9	9833.1	9823.3	9828.1	9837.9
5°	9672.9	9677.7	9658.3	9638.9	9638.9	9633.9	9638.9
7.5°	9502.9	9507.9	9478.7	9468.9	9449.6	9454.5	9454.5
10°	9333.1	9333.1	9289.5	9284.5	9270.0	9265.2	9265.2
12.5°	9168.1	9153.5	9119.5	9100.2	9109.9	9080.8	9080.8
15°	9022.4	8998.3	8954.5	8939.9	8915.8	8906.0	8906.0
17.5°	8872.0	8852.6	8813.9	8784.7	8755.5	8750.8	8755.5
20°	8726.4	8707.0	8658.5	8639.1	8614.9	8614.9	8605.1
22.5°	8580.7	8561.4	8517.8	8503.2	8469.3	8469.3	8474.1
25°	8430.3	8415.7	8367.2	8357.6	8352.8	8333.2	8343.0
27.5°	8226.6	8216.8	8178.0	8163.4	8144.1	8139.3	8148.8
30°	7852.8	7838.2	7809.2	7794.7	7760.7	7765.5	7775.1
32.5°	7386.9	7367.5	7328.6	7314.0	7285.0	7275.2	7280.0
35°	6804.6	6790.0	6756.0	6756.0	6726.9	6717.1	6726.9
37.5°	6212.5	6226.9	6212.5	6226.9	6212.5	6207.5	6212.5
40°	5654.3	5707.6	5717.2	5770.8	5751.4	5780.4	5775.6
42.5°	5120.3	5207.6	5241.8	5285.3	5275.7	5295.1	5309.7
45°	4581.5	4654.5	4688.4	4717.6	4722.4	4732.2	4737.0
47.5°	4071.9	4130.3	4135.1	4169.0	4164.2	4164.2	4178.8
50°	3596.5	3635.2	3644.8	3669.2	3649.8	3640.0	3644.8
52.5°	3154.8	3193.5	3183.7	3193.5	3169.4	3159.6	3164.4
55°	2703.3	2722.7	2722.7	2722.7	2693.7	2693.7	2693.7
57.5°	2242.2	2247.2	2237.4	2242.2	2237.4	2208.3	2203.5
60°	1820.1	1820.1	1815.1	1820.1	1805.5	1790.9	1790.9
62.5°	1422.0	1431.8	1451.1	1431.8	1422.0	1431.8	1417.2
65°	1063.0	1082.4	1077.4	1087.2	1082.4	1082.4	1072.6
67.5°	800.9	805.7	810.5	815.5	815.5	815.5	815.5
70°	587.3	601.9	596.9	596.9	596.9	596.9	626.1
72.5°	393.1	412.5	407.7	417.3	417.3	427.1	417.3
75°	266.9	286.3	276.7	291.3	286.3	276.7	300.9
77.5°	179.6	189.4	194.2	199.0	194.2	189.4	194.2
80°	126.3	135.8	131.0	135.8	135.8	135.8	140.8
82.5°	77.7	92.3	87.3	92.3	87.3	92.3	92.3
85°	53.3	58.3	48.5	58.3	53.3	53.3	63.1
87.5°	34.0	29.2	29.2	34.0	29.2	34.0	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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