

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: P249044

Luminaire Tested: **LD8B175D010 ER8B175935 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249044  
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 ER8B175935 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15483.0 lumens  
Efficiency: N/A  
Efficacy: 87.4 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

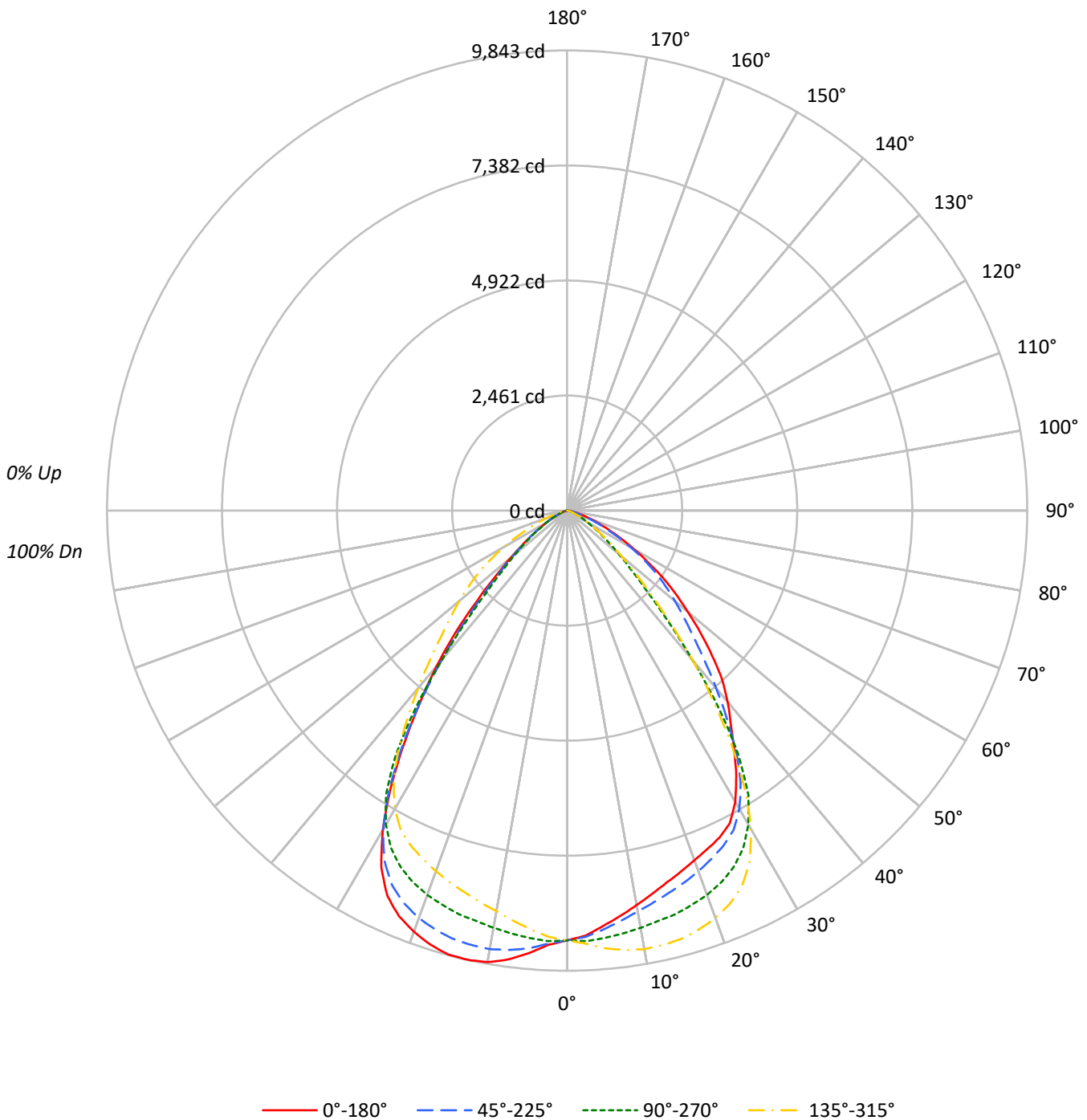
Input Watts (W): 177.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	283441	283441	283441	283441
5°	275913	284106	294250	284106
10°	268278	283734	307064	283734
15°	262921	285417	313785	285417
20°	261128	287052	314591	287052
25°	262503	286476	309538	286476
30°	256012	275988	280948	275988
35°	234169	240757	228429	240757
40°	214992	167477	174887	167477
45°	191030	102167	118216	102167
50°	161692	68251	75792	68251
55°	133920	46568	49224	46568
60°	102142	31003	31274	31003
65°	72374	19314	17687	19314
70°	52202	12938	11739	12938
75°	33145	6422	5349	6422
80°	23121	4795	3978	4795
85°	20662	0	1557	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	874.9	5.7
10°-20°	2533.5	16.4
20°-30°	3836.3	24.8
30°-40°	3844.9	24.8
40°-50°	2414.4	15.6
50°-60°	1286.6	8.3
60°-70°	529.1	3.4
70°-80°	139.8	0.9
80°-90°	23.6	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°	7244.6	46.8
0°-40°	11089.5	71.6
0°-60°	14790.5	95.5
0°-90°	15483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15483.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9192	9192	9192	9192	9192	
5°	8914	9178	9506	9178	8914	841
15°	8236	8940	9829	8940	8236	2329
25°	7715	8420	9098	8420	7715	3538
35°	6221	6396	6068	6396	6221	3897
45°	4380	2343	2711	2343	4380	3369
55°	2491	866	916	866	2491	2221
65°	992	265	242	265	992	1029
75°	278	54	45	54	278	315
85°	58	0	4	0	58	64
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°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9097.6	9088.5	9084.1	9093.1	9097.6	9115.5	9111.0	9119.9	9119.9	9124.5	9133.4
5°	8913.6	8908.9	8913.6	8913.6	8931.5	8949.4	8945.0	8958.4	8967.3	8989.8	8998.7
7.5°	8743.0	8743.0	8738.4	8756.3	8765.4	8792.4	8787.7	8810.3	8823.8	8846.1	8877.5
10°	8567.9	8567.9	8572.3	8585.8	8590.4	8630.7	8630.7	8662.1	8680.0	8702.6	8743.0
12.5°	8397.4	8397.4	8424.4	8415.3	8433.2	8464.6	8478.1	8509.5	8536.5	8581.4	8621.9
15°	8235.8	8235.8	8244.8	8267.2	8280.6	8321.1	8343.5	8379.5	8410.9	8455.8	8514.2
17.5°	8096.6	8092.2	8096.6	8123.6	8150.6	8186.4	8204.3	8249.2	8280.6	8339.0	8393.0
20°	7957.5	7966.6	7966.6	7988.9	8006.9	8051.8	8069.7	8119.2	8155.0	8208.8	8271.8
22.5°	7836.4	7831.9	7831.9	7863.3	7876.8	7917.1	7935.0	7979.9	8020.4	8065.2	8123.6
25°	7715.2	7706.1	7724.2	7728.7	7737.5	7782.4	7795.9	7827.3	7867.8	7908.2	7966.6
27.5°	7535.6	7526.7	7531.2	7549.1	7562.6	7598.4	7607.5	7638.9	7670.3	7706.1	7755.6
30°	7190.0	7181.1	7176.7	7208.1	7221.5	7248.3	7261.8	7315.8	7324.6	7365.1	7400.9
32.5°	6732.2	6727.7	6736.8	6763.6	6777.1	6813.1	6831.0	6862.4	6884.8	6907.3	6943.1
35°	6220.6	6211.6	6220.6	6247.6	6247.6	6279.0	6292.5	6305.8	6301.4	6305.8	6296.9
37.5°	5744.9	5740.3	5744.9	5758.2	5744.9	5758.2	5744.9	5718.0	5668.7	5614.7	5560.8
40°	5340.9	5345.4	5318.6	5336.5	5287.0	5278.1	5228.8	5161.4	5062.7	4955.0	4802.4
42.5°	4910.1	4896.6	4878.7	4887.6	4847.3	4815.7	4735.0	4649.8	4524.0	4344.6	4160.5
45°	4380.5	4376.0	4367.0	4362.6	4335.6	4304.2	4236.8	4138.1	3999.0	3815.0	3595.0
47.5°	3864.3	3850.8	3850.8	3855.3	3823.9	3819.4	3765.5	3680.3	3559.1	3379.6	3150.7
50°	3370.5	3366.1	3375.1	3393.1	3370.5	3361.7	3325.8	3267.4	3159.7	3007.1	2791.6
52.5°	2926.2	2921.8	2930.9	2953.2	2944.2	2953.2	2917.4	2872.5	2800.6	2652.5	2464.0
55°	2491.0	2491.0	2491.0	2517.8	2517.8	2517.8	2499.9	2473.1	2405.6	2297.9	2123.0
57.5°	2037.6	2042.1	2069.1	2073.5	2069.1	2078.1	2073.5	2046.5	2001.8	1925.5	1790.8
60°	1656.2	1656.2	1669.7	1683.1	1678.5	1683.1	1683.1	1669.7	1624.8	1562.0	1454.2
62.5°	1310.5	1324.0	1315.0	1324.0	1341.9	1324.0	1315.0	1306.1	1274.7	1234.2	1144.4
65°	991.9	1000.9	1000.9	1005.3	996.3	1000.9	983.0	969.5	951.6	906.7	848.3
67.5°	754.1	754.1	754.1	754.1	749.5	745.0	740.6	727.1	695.7	677.8	614.8
70°	579.0	552.0	552.0	552.0	552.0	556.6	543.1	525.2	516.2	484.7	439.9
72.5°	385.9	395.0	385.9	385.9	377.0	381.5	363.6	354.5	345.6	327.7	300.8
75°	278.2	255.9	264.7	269.3	255.9	264.7	246.8	228.9	228.9	215.4	201.9
77.5°	179.6	175.1	179.6	184.0	179.6	175.1	166.1	157.0	157.0	152.6	139.1
80°	130.2	125.6	125.6	125.6	121.2	125.6	116.8	116.8	107.7	103.3	94.2
82.5°	85.3	85.3	80.7	85.3	80.7	85.3	71.9	71.9	71.9	67.2	58.4
85°	58.4	49.3	49.3	53.9	44.9	53.9	49.3	44.9	40.5	40.5	35.8
87.5°	27.0	31.4	27.0	31.4	27.0	27.0	31.4	27.0	27.0	17.9	17.9
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°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9146.9	9151.3	9151.3	9169.4	9178.3	9182.7	9182.7	9218.7	9205.3	9214.3	9223.2
5°	9016.8	9043.6	9052.7	9052.7	9102.0	9119.9	9137.8	9178.3	9182.7	9209.7	9241.1
7.5°	8891.0	8922.4	8940.5	8980.8	9012.2	9043.6	9097.6	9124.5	9151.3	9187.3	9227.6
10°	8769.8	8805.9	8841.7	8873.1	8922.4	8962.9	8998.7	9061.5	9093.1	9142.4	9196.2
12.5°	8653.3	8702.6	8734.0	8787.7	8841.7	8877.5	8931.5	8989.8	9039.2	9088.5	9151.3
15°	8550.0	8608.4	8644.2	8702.6	8761.0	8810.3	8868.7	8940.5	8976.4	9034.7	9093.1
17.5°	8437.7	8500.7	8545.6	8599.3	8671.2	8724.9	8774.4	8846.1	8891.0	8953.8	9021.3
20°	8321.1	8383.9	8437.7	8491.6	8563.5	8617.2	8675.6	8747.5	8796.8	8859.6	8913.6
22.5°	8182.0	8240.4	8298.6	8361.4	8433.2	8478.1	8545.6	8608.4	8662.1	8720.5	8774.4
25°	8002.4	8074.3	8119.2	8177.4	8235.8	8285.1	8356.9	8419.8	8464.6	8518.6	8567.9
27.5°	7791.5	7845.4	7881.2	7930.6	7988.9	8033.8	8087.6	8150.6	8195.5	8244.8	8280.6
30°	7432.3	7481.8	7513.2	7549.1	7607.5	7647.9	7692.8	7751.0	7782.4	7818.4	7849.8
32.5°	6961.1	7001.5	7019.4	7046.4	7086.9	7127.1	7163.2	7212.5	7226.0	7248.3	7248.3
35°	6279.0	6287.9	6283.5	6292.5	6310.4	6332.8	6364.2	6395.6	6413.5	6413.5	6400.2
37.5°	5480.0	5426.3	5367.9	5323.0	5309.5	5300.5	5318.6	5331.9	5350.0	5358.8	5336.5
40°	4649.8	4528.6	4398.4	4281.6	4200.9	4165.1	4151.6	4160.5	4160.5	4191.9	4191.9
42.5°	3936.2	3747.6	3554.7	3379.6	3262.8	3173.2	3132.8	3132.8	3137.2	3159.7	3173.2
45°	3343.7	3105.8	2881.3	2688.5	2526.8	2410.1	2356.3	2342.8	2338.4	2347.3	2378.7
47.5°	2890.4	2643.6	2410.1	2172.3	2001.8	1885.1	1835.7	1817.6	1799.7	1817.6	1822.2
50°	2535.9	2280.0	2033.2	1795.3	1615.7	1512.4	1449.6	1422.7	1418.2	1418.2	1427.3
52.5°	2212.6	1974.8	1728.0	1485.7	1297.0	1198.4	1140.0	1126.5	1108.6	1126.5	1126.5
55°	1907.4	1669.7	1427.3	1198.4	1041.2	938.1	884.2	866.2	857.2	870.7	870.7
57.5°	1575.4	1373.3	1149.1	942.5	785.5	713.6	673.2	650.8	646.2	655.3	646.2
60°	1292.6	1122.1	929.0	740.6	619.4	543.1	511.7	502.7	493.6	502.7	502.7
62.5°	1023.3	879.7	722.5	579.0	475.7	421.9	385.9	385.9	381.5	381.5	385.9
65°	758.5	646.2	534.1	412.9	332.2	291.7	264.7	264.7	260.3	264.7	260.3
67.5°	552.0	475.7	385.9	300.8	237.9	215.4	197.5	184.0	193.1	184.0	179.6
70°	404.0	341.0	278.2	228.9	184.0	161.6	148.2	143.5	134.7	134.7	134.7
72.5°	269.3	228.9	188.4	148.2	121.2	98.6	94.2	85.3	76.3	80.7	89.8
75°	179.6	152.6	134.7	107.7	80.7	80.7	53.9	53.9	44.9	53.9	40.5
77.5°	125.6	103.3	80.7	67.2	53.9	49.3	35.8	35.8	31.4	31.4	31.4
80°	89.8	76.3	58.4	49.3	35.8	35.8	31.4	27.0	22.4	22.4	27.0
82.5°	53.9	40.5	40.5	35.8	22.4	17.9	13.5	17.9	9.1	9.1	9.1
85°	31.4	27.0	22.4	13.5	9.1	9.1	4.4	0.0	4.4	4.4	0.0
87.5°	17.9	9.1	9.1	4.4	0.0	4.4	4.4	0.0	0.0	0.0	9.1
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9245.7	9241.1	9250.1	9250.1	9277.1	9272.5	9286.0	9286.0	9277.1	9281.5	9299.5
5°	9277.1	9290.6	9317.4	9339.9	9380.2	9398.3	9420.7	9443.2	9447.6	9461.1	9474.6
7.5°	9277.1	9322.0	9353.4	9393.7	9447.6	9479.0	9528.4	9568.8	9586.7	9609.1	9636.1
10°	9259.0	9303.9	9362.3	9407.2	9474.6	9523.9	9573.2	9636.1	9663.0	9698.9	9734.9
12.5°	9223.2	9272.5	9335.3	9393.7	9470.0	9514.9	9577.7	9636.1	9676.5	9725.8	9766.3
15°	9169.4	9227.6	9286.0	9344.4	9425.1	9479.0	9537.4	9604.7	9645.1	9698.9	9734.9
17.5°	9084.1	9146.9	9200.8	9254.6	9330.9	9393.7	9447.6	9510.4	9550.9	9595.8	9645.1
20°	8980.8	9039.2	9097.6	9142.4	9218.7	9272.5	9330.9	9389.3	9420.7	9429.7	9506.0
22.5°	8850.7	8891.0	8935.9	9007.8	9052.7	9102.0	9155.9	9209.7	9241.1	9290.6	9317.4
25°	8635.2	8675.6	8724.9	8756.3	8810.3	8850.7	8904.5	8962.9	8980.8	9016.8	9043.6
27.5°	8334.6	8356.9	8379.5	8406.3	8437.7	8460.2	8491.6	8518.6	8536.5	8554.4	8572.3
30°	7858.7	7858.7	7858.7	7840.8	7854.3	7867.8	7872.2	7867.8	7867.8	7863.3	7863.3
32.5°	7230.4	7194.6	7154.1	7118.3	7104.8	7086.9	7077.8	7064.3	7042.0	7028.5	7032.9
35°	6382.1	6301.4	6252.0	6207.2	6171.3	6144.3	6130.9	6117.4	6112.9	6095.0	6076.9
37.5°	5323.0	5264.6	5228.8	5201.8	5170.4	5143.4	5147.9	5152.5	5165.8	5156.9	5161.4
40°	4200.9	4187.4	4200.9	4169.5	4160.5	4169.5	4191.9	4223.5	4241.4	4259.3	4290.7
42.5°	3195.6	3217.9	3249.5	3249.5	3262.8	3280.9	3307.7	3357.2	3384.0	3415.4	3451.4
45°	2405.6	2432.6	2473.1	2486.4	2495.4	2517.8	2549.4	2589.6	2607.6	2634.5	2665.9
47.5°	1853.6	1871.6	1893.9	1916.5	1938.8	1947.9	1979.3	1979.3	2001.8	2019.7	2028.6
50°	1445.2	1463.1	1481.0	1494.5	1503.6	1517.1	1525.9	1539.4	1543.8	1552.9	1557.3
52.5°	1131.0	1153.5	1153.5	1162.4	1175.9	1189.3	1184.9	1189.3	1193.8	1193.8	1207.3
55°	884.2	884.2	897.6	897.6	906.7	902.1	906.7	906.7	906.7	906.7	911.1
57.5°	659.7	664.3	677.8	668.7	664.3	673.2	664.3	673.2	668.7	677.8	664.3
60°	507.1	507.1	511.7	511.7	516.2	516.2	516.2	511.7	511.7	507.1	507.1
62.5°	381.5	385.9	390.5	385.9	385.9	385.9	381.5	381.5	377.0	372.4	372.4
65°	255.9	251.4	260.3	251.4	255.9	255.9	251.4	255.9	242.4	246.8	242.4
67.5°	184.0	179.6	175.1	179.6	175.1	170.5	170.5	175.1	179.6	166.1	166.1
70°	121.2	125.6	121.2	125.6	130.2	130.2	125.6	121.2	125.6	116.8	121.2
72.5°	76.3	76.3	76.3	76.3	76.3	80.7	80.7	80.7	71.9	71.9	67.2
75°	35.8	49.3	40.5	35.8	49.3	49.3	44.9	44.9	40.5	40.5	40.5
77.5°	35.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	22.4	27.0	22.4
80°	17.9	17.9	17.9	13.5	17.9	17.9	22.4	17.9	17.9	13.5	22.4
82.5°	9.1	9.1	9.1	0.0	4.4	9.1	9.1	4.4	9.1	9.1	4.4
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: P249044

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9295.0	9290.6	9295.0	9299.5	9295.0	9290.6	9295.0	9299.5	9281.5	9277.1	9286.0
5°	9492.5	9492.5	9501.4	9506.0	9501.4	9492.5	9492.5	9474.6	9461.1	9447.6	9443.2
7.5°	9663.0	9672.1	9680.9	9685.4	9680.9	9672.1	9663.0	9636.1	9609.1	9586.7	9568.8
10°	9766.3	9779.8	9797.7	9806.6	9797.7	9779.8	9766.3	9734.9	9698.9	9663.0	9636.1
12.5°	9811.2	9824.7	9847.0	9842.6	9847.0	9824.7	9811.2	9766.3	9725.8	9676.5	9636.1
15°	9779.8	9797.7	9820.1	9829.1	9820.1	9797.7	9779.8	9734.9	9698.9	9645.1	9604.7
17.5°	9680.9	9707.9	9721.4	9734.9	9721.4	9707.9	9680.9	9645.1	9595.8	9550.9	9510.4
20°	9546.3	9564.4	9582.3	9586.7	9582.3	9564.4	9546.3	9506.0	9429.7	9420.7	9389.3
22.5°	9353.4	9366.9	9407.2	9393.7	9407.2	9366.9	9353.4	9317.4	9290.6	9241.1	9209.7
25°	9075.0	9088.5	9093.1	9097.6	9093.1	9088.5	9075.0	9043.6	9016.8	8980.8	8962.9
27.5°	8594.9	8594.9	8603.7	8608.4	8603.7	8594.9	8594.9	8572.3	8554.4	8536.5	8518.6
30°	7867.8	7867.8	7867.8	7890.3	7867.8	7867.8	7867.8	7863.3	7863.3	7867.8	7867.8
32.5°	7028.5	7019.4	7010.6	7019.4	7010.6	7019.4	7028.5	7032.9	7028.5	7042.0	7064.3
35°	6076.9	6072.5	6086.0	6068.1	6086.0	6072.5	6076.9	6076.9	6095.0	6112.9	6117.4
37.5°	5165.8	5156.9	5174.8	5156.9	5174.8	5156.9	5165.8	5161.4	5156.9	5165.8	5152.5
40°	4299.8	4308.6	4308.6	4344.6	4308.6	4308.6	4299.8	4290.7	4259.3	4241.4	4223.5
42.5°	3469.4	3496.3	3487.3	3514.2	3487.3	3496.3	3469.4	3451.4	3415.4	3384.0	3357.2
45°	2683.9	2702.0	2702.0	2710.8	2702.0	2702.0	2683.9	2665.9	2634.5	2607.6	2589.6
47.5°	2060.0	2060.0	2060.0	2064.6	2060.0	2060.0	2060.0	2028.6	2019.7	2001.8	1979.3
50°	1566.4	1570.8	1575.4	1579.9	1575.4	1570.8	1566.4	1557.3	1552.9	1543.8	1539.4
52.5°	1202.8	1207.3	1198.4	1207.3	1198.4	1207.3	1202.8	1207.3	1193.8	1193.8	1189.3
55°	911.1	906.7	911.1	915.6	911.1	906.7	911.1	911.1	906.7	906.7	906.7
57.5°	668.7	659.7	659.7	659.7	659.7	659.7	668.7	664.3	677.8	668.7	673.2
60°	498.2	502.7	502.7	507.1	502.7	502.7	498.2	507.1	507.1	511.7	511.7
62.5°	368.0	381.5	372.4	381.5	372.4	381.5	368.0	372.4	372.4	377.0	381.5
65°	237.9	237.9	237.9	242.4	237.9	237.9	237.9	242.4	246.8	242.4	255.9
67.5°	161.6	166.1	175.1	170.5	175.1	166.1	161.6	166.1	166.1	179.6	175.1
70°	130.2	116.8	116.8	130.2	116.8	116.8	130.2	121.2	116.8	125.6	121.2
72.5°	76.3	67.2	76.3	76.3	76.3	67.2	76.3	67.2	71.9	71.9	80.7
75°	40.5	35.8	31.4	44.9	31.4	35.8	40.5	40.5	40.5	40.5	44.9
77.5°	27.0	22.4	31.4	31.4	31.4	22.4	27.0	22.4	27.0	22.4	27.0
80°	13.5	17.9	13.5	22.4	13.5	17.9	13.5	22.4	13.5	17.9	17.9
82.5°	4.4	9.1	9.1	9.1	9.1	9.1	4.4	4.4	9.1	9.1	4.4
85°	0.0	9.1	4.4	4.4	4.4	9.1	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.0	0.0	4.4	0.0	0.0	4.4	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: P249044

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9286.0	9272.5	9277.1	9250.1	9250.1	9241.1	9245.7	9223.2	9214.3	9205.3	9218.7
5°	9420.7	9398.3	9380.2	9339.9	9317.4	9290.6	9277.1	9241.1	9209.7	9182.7	9178.3
7.5°	9528.4	9479.0	9447.6	9393.7	9353.4	9322.0	9277.1	9227.6	9187.3	9151.3	9124.5
10°	9573.2	9523.9	9474.6	9407.2	9362.3	9303.9	9259.0	9196.2	9142.4	9093.1	9061.5
12.5°	9577.7	9514.9	9470.0	9393.7	9335.3	9272.5	9223.2	9151.3	9088.5	9039.2	8989.8
15°	9537.4	9479.0	9425.1	9344.4	9286.0	9227.6	9169.4	9093.1	9034.7	8976.4	8940.5
17.5°	9447.6	9393.7	9330.9	9254.6	9200.8	9146.9	9084.1	9021.3	8953.8	8891.0	8846.1
20°	9330.9	9272.5	9218.7	9142.4	9097.6	9039.2	8980.8	8913.6	8859.6	8796.8	8747.5
22.5°	9155.9	9102.0	9052.7	9007.8	8935.9	8891.0	8850.7	8774.4	8720.5	8662.1	8608.4
25°	8904.5	8850.7	8810.3	8756.3	8724.9	8675.6	8635.2	8567.9	8518.6	8464.6	8419.8
27.5°	8491.6	8460.2	8437.7	8406.3	8379.5	8356.9	8334.6	8280.6	8244.8	8195.5	8150.6
30°	7872.2	7867.8	7854.3	7840.8	7858.7	7858.7	7858.7	7849.8	7818.4	7782.4	7751.0
32.5°	7077.8	7086.9	7104.8	7118.3	7154.1	7194.6	7230.4	7248.3	7248.3	7226.0	7212.5
35°	6130.9	6144.3	6171.3	6207.2	6252.0	6301.4	6382.1	6400.2	6413.5	6413.5	6395.6
37.5°	5147.9	5143.4	5170.4	5201.8	5228.8	5264.6	5323.0	5336.5	5358.8	5350.0	5331.9
40°	4191.9	4169.5	4160.5	4169.5	4200.9	4187.4	4200.9	4191.9	4191.9	4160.5	4160.5
42.5°	3307.7	3280.9	3262.8	3249.5	3249.5	3217.9	3195.6	3173.2	3159.7	3137.2	3132.8
45°	2549.4	2517.8	2495.4	2486.4	2473.1	2432.6	2405.6	2378.7	2347.3	2338.4	2342.8
47.5°	1979.3	1947.9	1938.8	1916.5	1893.9	1871.6	1853.6	1822.2	1817.6	1799.7	1817.6
50°	1525.9	1517.1	1503.6	1494.5	1481.0	1463.1	1445.2	1427.3	1418.2	1418.2	1422.7
52.5°	1184.9	1189.3	1175.9	1162.4	1153.5	1153.5	1131.0	1126.5	1126.5	1108.6	1126.5
55°	906.7	902.1	906.7	897.6	897.6	884.2	884.2	870.7	870.7	857.2	866.2
57.5°	664.3	673.2	664.3	668.7	677.8	664.3	659.7	646.2	655.3	646.2	650.8
60°	516.2	516.2	516.2	511.7	511.7	507.1	507.1	502.7	502.7	493.6	502.7
62.5°	381.5	385.9	385.9	385.9	390.5	385.9	381.5	385.9	381.5	381.5	385.9
65°	251.4	255.9	255.9	251.4	260.3	251.4	255.9	260.3	264.7	260.3	264.7
67.5°	170.5	170.5	175.1	179.6	175.1	179.6	184.0	179.6	184.0	193.1	184.0
70°	125.6	130.2	130.2	125.6	121.2	125.6	121.2	134.7	134.7	134.7	143.5
72.5°	80.7	80.7	76.3	76.3	76.3	76.3	76.3	89.8	80.7	76.3	85.3
75°	44.9	49.3	49.3	35.8	40.5	49.3	35.8	40.5	53.9	44.9	53.9
77.5°	27.0	27.0	27.0	27.0	27.0	27.0	35.8	31.4	31.4	31.4	35.8
80°	22.4	17.9	17.9	13.5	17.9	17.9	17.9	27.0	22.4	22.4	27.0
82.5°	9.1	9.1	4.4	0.0	9.1	9.1	9.1	9.1	9.1	9.1	17.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	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: P249044

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9182.7	9182.7	9178.3	9169.4	9151.3	9151.3	9146.9	9133.4	9124.5	9119.9	9119.9
5°	9137.8	9119.9	9102.0	9052.7	9052.7	9043.6	9016.8	8998.7	8989.8	8967.3	8958.4
7.5°	9097.6	9043.6	9012.2	8980.8	8940.5	8922.4	8891.0	8877.5	8846.1	8823.8	8810.3
10°	8998.7	8962.9	8922.4	8873.1	8841.7	8805.9	8769.8	8743.0	8702.6	8680.0	8662.1
12.5°	8931.5	8877.5	8841.7	8787.7	8734.0	8702.6	8653.3	8621.9	8581.4	8536.5	8509.5
15°	8868.7	8810.3	8761.0	8702.6	8644.2	8608.4	8550.0	8514.2	8455.8	8410.9	8379.5
17.5°	8774.4	8724.9	8671.2	8599.3	8545.6	8500.7	8437.7	8393.0	8339.0	8280.6	8249.2
20°	8675.6	8617.2	8563.5	8491.6	8437.7	8383.9	8321.1	8271.8	8208.8	8155.0	8119.2
22.5°	8545.6	8478.1	8433.2	8361.4	8298.6	8240.4	8182.0	8123.6	8065.2	8020.4	7979.9
25°	8356.9	8285.1	8235.8	8177.4	8119.2	8074.3	8002.4	7966.6	7908.2	7867.8	7827.3
27.5°	8087.6	8033.8	7988.9	7930.6	7881.2	7845.4	7791.5	7755.6	7706.1	7670.3	7638.9
30°	7692.8	7647.9	7607.5	7549.1	7513.2	7481.8	7432.3	7400.9	7365.1	7324.6	7315.8
32.5°	7163.2	7127.1	7086.9	7046.4	7019.4	7001.5	6961.1	6943.1	6907.3	6884.8	6862.4
35°	6364.2	6332.8	6310.4	6292.5	6283.5	6287.9	6279.0	6296.9	6305.8	6301.4	6305.8
37.5°	5318.6	5300.5	5309.5	5323.0	5367.9	5426.3	5480.0	5560.8	5614.7	5668.7	5718.0
40°	4151.6	4165.1	4200.9	4281.6	4398.4	4528.6	4649.8	4802.4	4955.0	5062.7	5161.4
42.5°	3132.8	3173.2	3262.8	3379.6	3554.7	3747.6	3936.2	4160.5	4344.6	4524.0	4649.8
45°	2356.3	2410.1	2526.8	2688.5	2881.3	3105.8	3343.7	3595.0	3815.0	3999.0	4138.1
47.5°	1835.7	1885.1	2001.8	2172.3	2410.1	2643.6	2890.4	3150.7	3379.6	3559.1	3680.3
50°	1449.6	1512.4	1615.7	1795.3	2033.2	2280.0	2535.9	2791.6	3007.1	3159.7	3267.4
52.5°	1140.0	1198.4	1297.0	1485.7	1728.0	1974.8	2212.6	2464.0	2652.5	2800.6	2872.5
55°	884.2	938.1	1041.2	1198.4	1427.3	1669.7	1907.4	2123.0	2297.9	2405.6	2473.1
57.5°	673.2	713.6	785.5	942.5	1149.1	1373.3	1575.4	1790.8	1925.5	2001.8	2046.5
60°	511.7	543.1	619.4	740.6	929.0	1122.1	1292.6	1454.2	1562.0	1624.8	1669.7
62.5°	385.9	421.9	475.7	579.0	722.5	879.7	1023.3	1144.4	1234.2	1274.7	1306.1
65°	264.7	291.7	332.2	412.9	534.1	646.2	758.5	848.3	906.7	951.6	969.5
67.5°	197.5	215.4	237.9	300.8	385.9	475.7	552.0	614.8	677.8	695.7	727.1
70°	148.2	161.6	184.0	228.9	278.2	341.0	404.0	439.9	484.7	516.2	525.2
72.5°	94.2	98.6	121.2	148.2	188.4	228.9	269.3	300.8	327.7	345.6	354.5
75°	53.9	80.7	80.7	107.7	134.7	152.6	179.6	201.9	215.4	228.9	228.9
77.5°	35.8	49.3	53.9	67.2	80.7	103.3	125.6	139.1	152.6	157.0	157.0
80°	31.4	35.8	35.8	49.3	58.4	76.3	89.8	94.2	103.3	107.7	116.8
82.5°	13.5	17.9	22.4	35.8	40.5	40.5	53.9	58.4	67.2	71.9	71.9
85°	4.4	9.1	9.1	13.5	22.4	27.0	31.4	35.8	40.5	40.5	44.9
87.5°	4.4	4.4	0.0	4.4	9.1	9.1	17.9	17.9	17.9	27.0	27.0
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: P249044

CATALOG NUMBER: LD8B175D010 ER8B175935 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8	9191.8
2.5°	9111.0	9115.5	9097.6	9093.1	9084.1	9088.5	9097.6
5°	8945.0	8949.4	8931.5	8913.6	8913.6	8908.9	8913.6
7.5°	8787.7	8792.4	8765.4	8756.3	8738.4	8743.0	8743.0
10°	8630.7	8630.7	8590.4	8585.8	8572.3	8567.9	8567.9
12.5°	8478.1	8464.6	8433.2	8415.3	8424.4	8397.4	8397.4
15°	8343.5	8321.1	8280.6	8267.2	8244.8	8235.8	8235.8
17.5°	8204.3	8186.4	8150.6	8123.6	8096.6	8092.2	8096.6
20°	8069.7	8051.8	8006.9	7988.9	7966.6	7966.6	7957.5
22.5°	7935.0	7917.1	7876.8	7863.3	7831.9	7831.9	7836.4
25°	7795.9	7782.4	7737.5	7728.7	7724.2	7706.1	7715.2
27.5°	7607.5	7598.4	7562.6	7549.1	7531.2	7526.7	7535.6
30°	7261.8	7248.3	7221.5	7208.1	7176.7	7181.1	7190.0
32.5°	6831.0	6813.1	6777.1	6763.6	6736.8	6727.7	6732.2
35°	6292.5	6279.0	6247.6	6247.6	6220.6	6211.6	6220.6
37.5°	5744.9	5758.2	5744.9	5758.2	5744.9	5740.3	5744.9
40°	5228.8	5278.1	5287.0	5336.5	5318.6	5345.4	5340.9
42.5°	4735.0	4815.7	4847.3	4887.6	4878.7	4896.6	4910.1
45°	4236.8	4304.2	4335.6	4362.6	4367.0	4376.0	4380.5
47.5°	3765.5	3819.4	3823.9	3855.3	3850.8	3850.8	3864.3
50°	3325.8	3361.7	3370.5	3393.1	3375.1	3366.1	3370.5
52.5°	2917.4	2953.2	2944.2	2953.2	2930.9	2921.8	2926.2
55°	2499.9	2517.8	2517.8	2517.8	2491.0	2491.0	2491.0
57.5°	2073.5	2078.1	2069.1	2073.5	2069.1	2042.1	2037.6
60°	1683.1	1683.1	1678.5	1683.1	1669.7	1656.2	1656.2
62.5°	1315.0	1324.0	1341.9	1324.0	1315.0	1324.0	1310.5
65°	983.0	1000.9	996.3	1005.3	1000.9	1000.9	991.9
67.5°	740.6	745.0	749.5	754.1	754.1	754.1	754.1
70°	543.1	556.6	552.0	552.0	552.0	552.0	579.0
72.5°	363.6	381.5	377.0	385.9	385.9	395.0	385.9
75°	246.8	264.7	255.9	269.3	264.7	255.9	278.2
77.5°	166.1	175.1	179.6	184.0	179.6	175.1	179.6
80°	116.8	125.6	121.2	125.6	125.6	125.6	130.2
82.5°	71.9	85.3	80.7	85.3	80.7	85.3	85.3
85°	49.3	53.9	44.9	53.9	49.3	49.3	58.4
87.5°	31.4	27.0	27.0	31.4	27.0	31.4	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)