

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: P248891

Luminaire Tested: **LD8B175D010 ER8B175835 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175835 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14019.0 lumens
Efficiency: N/A
Efficacy: 79.1 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

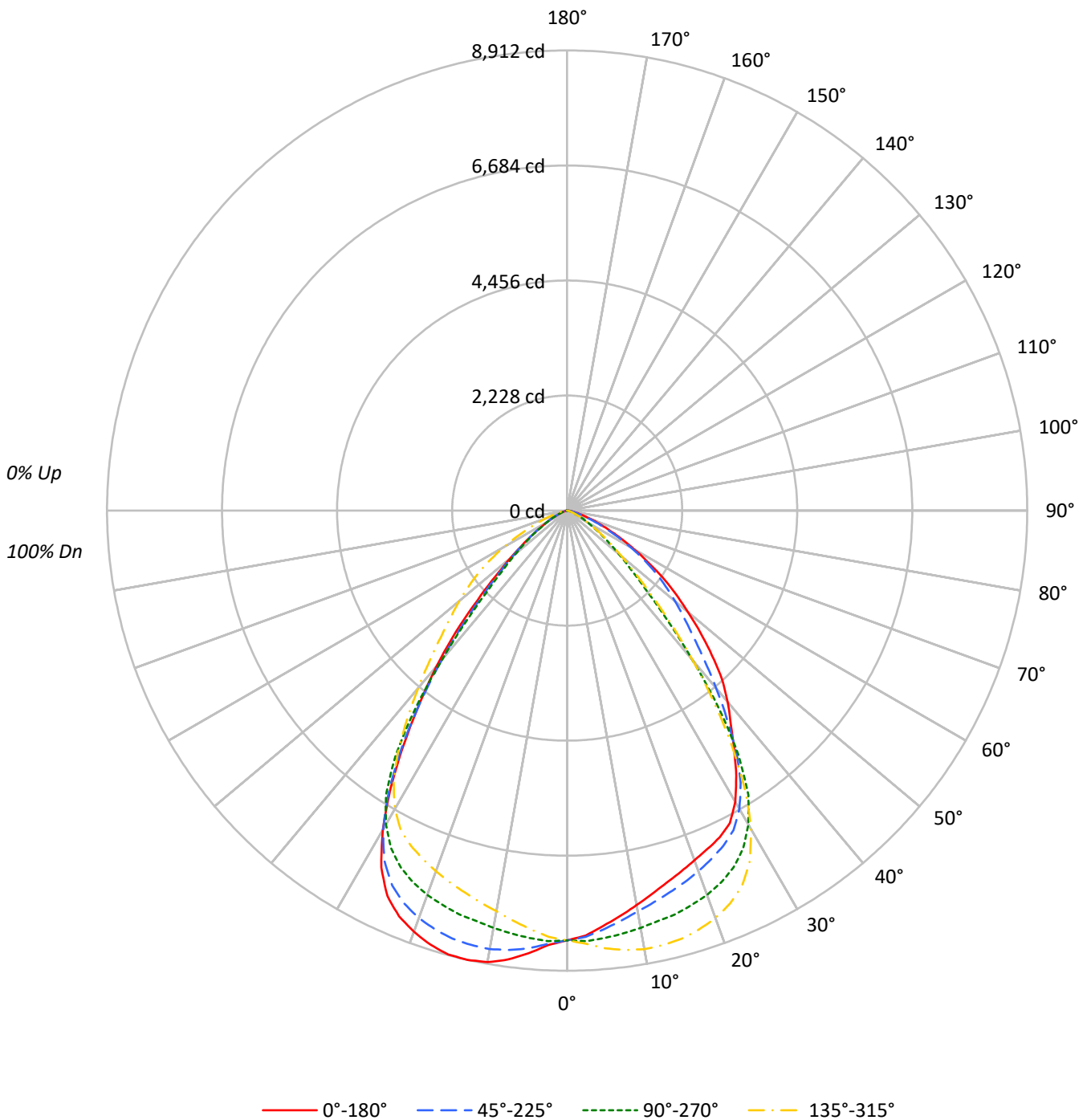
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	256638	256638	256638	256638
5°	249821	257241	266428	257241
10°	242912	256906	278029	256906
15°	238058	258432	284115	258432
20°	236438	259910	284847	259910
25°	237682	259386	280267	259386
30°	231803	249891	254381	249891
35°	212027	217994	206828	217994
40°	194664	151641	158351	151641
45°	172967	92508	107039	92508
50°	146403	61794	68625	61794
55°	121259	42165	44568	42165
60°	92484	28067	28320	28067
65°	65530	17490	16016	17490
70°	47262	11721	10630	11721
75°	30012	5814	4837	5814
80°	20937	4333	3587	4333
85°	18716	0	1415	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.2	5.7
10°-20°	2293.9	16.4
20°-30°	3473.5	24.8
30°-40°	3481.3	24.8
40°-50°	2186.1	15.6
50°-60°	1165.0	8.3
60°-70°	479.1	3.4
70°-80°	126.6	0.9
80°-90°	21.4	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°	6559.6	46.8
0°-40°	10040.9	71.6
0°-60°	13392.0	95.5
0°-90°	14019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14019.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8323	8323	8323	8323	8323	
5°	8071	8310	8607	8310	8071	761
15°	7457	8095	8900	8095	7457	2109
25°	6986	7624	8237	7624	6986	3204
35°	5632	5791	5494	5791	5632	3529
45°	3966	2121	2454	2121	3966	3050
55°	2256	784	829	784	2256	2011
65°	898	240	220	240	898	932
75°	252	49	41	49	252	285
85°	53	0	4	0	53	58
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°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8237.3	8229.1	8225.1	8233.3	8237.3	8253.6	8249.5	8257.6	8257.6	8261.8	8269.8
5°	8070.7	8066.5	8070.7	8070.7	8087.0	8103.2	8099.2	8111.4	8119.4	8139.8	8147.8
7.5°	7916.3	7916.3	7912.2	7928.4	7936.6	7961.0	7956.8	7977.2	7989.4	8009.7	8038.1
10°	7757.8	7757.8	7761.8	7774.0	7778.2	7814.6	7814.6	7843.1	7859.3	7879.7	7916.3
12.5°	7603.4	7603.4	7627.8	7619.6	7635.8	7664.3	7676.5	7704.9	7729.3	7770.0	7806.6
15°	7457.0	7457.0	7465.2	7485.5	7497.7	7534.3	7554.5	7587.2	7615.6	7656.2	7709.1
17.5°	7331.1	7327.1	7331.1	7355.5	7379.9	7412.4	7428.6	7469.2	7497.7	7550.5	7599.4
20°	7205.1	7213.3	7213.3	7233.5	7249.8	7290.4	7306.6	7351.5	7383.9	7432.6	7489.6
22.5°	7095.4	7091.4	7091.4	7119.8	7132.0	7168.5	7184.7	7225.4	7262.0	7302.6	7355.5
25°	6985.7	6977.5	6993.9	6997.9	7005.9	7046.5	7058.8	7087.2	7123.8	7160.5	7213.3
27.5°	6823.1	6815.0	6819.1	6835.3	6847.5	6879.9	6888.1	6916.6	6945.0	6977.5	7022.3
30°	6510.1	6502.1	6498.1	6526.5	6538.7	6563.0	6575.2	6624.0	6632.0	6668.7	6701.1
32.5°	6095.6	6091.6	6099.8	6124.1	6136.3	6168.9	6185.1	6213.5	6233.8	6254.2	6286.6
35°	5632.4	5624.3	5632.4	5656.9	5656.9	5685.3	5697.5	5709.6	5705.5	5709.6	5701.5
37.5°	5201.7	5197.5	5201.7	5213.8	5201.7	5213.8	5201.7	5177.3	5132.6	5083.8	5035.0
40°	4835.9	4839.9	4815.7	4831.9	4787.1	4779.0	4734.4	4673.3	4584.0	4486.5	4348.3
42.5°	4445.8	4433.6	4417.4	4425.4	4389.0	4360.4	4287.3	4210.2	4096.3	3933.8	3767.1
45°	3966.3	3962.3	3954.1	3950.1	3925.6	3897.2	3836.1	3746.8	3620.9	3454.3	3255.1
47.5°	3498.9	3486.7	3486.7	3490.7	3462.3	3458.3	3409.4	3332.3	3222.6	3060.0	2852.8
50°	3051.8	3047.8	3056.0	3072.2	3051.8	3043.8	3011.3	2958.5	2861.0	2722.8	2527.6
52.5°	2649.5	2645.5	2653.7	2674.0	2665.8	2674.0	2641.5	2600.9	2535.8	2401.6	2231.0
55°	2255.5	2255.5	2255.5	2279.7	2279.7	2279.7	2263.5	2239.2	2178.2	2080.7	1922.3
57.5°	1845.0	1849.0	1873.4	1877.4	1873.4	1881.6	1877.4	1853.0	1812.5	1743.4	1621.5
60°	1499.6	1499.6	1511.8	1524.0	1519.8	1524.0	1524.0	1511.8	1471.1	1414.3	1316.7
62.5°	1186.6	1198.8	1190.6	1198.8	1215.0	1198.8	1190.6	1182.6	1154.2	1117.5	1036.2
65°	898.1	906.3	906.3	910.3	902.1	906.3	890.0	877.8	861.6	821.0	768.1
67.5°	682.8	682.8	682.8	682.8	678.6	674.6	670.6	658.4	629.9	613.7	556.7
70°	524.2	499.8	499.8	499.8	499.8	504.0	491.8	475.5	467.3	438.9	398.3
72.5°	349.4	357.6	349.4	349.4	341.4	345.4	329.2	321.0	313.0	296.7	272.3
75°	251.9	231.7	239.7	243.9	231.7	239.7	223.5	207.2	207.2	195.0	182.8
77.5°	162.6	158.6	162.6	166.6	162.6	158.6	150.4	142.2	142.2	138.2	126.0
80°	117.9	113.7	113.7	113.7	109.7	113.7	105.7	105.7	97.5	93.5	85.3
82.5°	77.3	77.3	73.1	77.3	73.1	77.3	65.1	65.1	65.1	60.9	52.9
85°	52.9	44.7	44.7	48.8	40.6	48.8	44.7	40.6	36.6	36.6	32.5
87.5°	24.4	28.4	24.4	28.4	24.4	24.4	28.4	24.4	24.4	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8282.0	8286.0	8286.0	8302.4	8310.4	8314.4	8314.4	8347.1	8334.8	8343.0	8351.1
5°	8164.2	8188.5	8196.7	8196.7	8241.3	8257.6	8273.8	8310.4	8314.4	8338.9	8367.3
7.5°	8050.3	8078.8	8095.2	8131.6	8160.1	8188.5	8237.3	8261.8	8286.0	8318.6	8355.1
10°	7940.6	7973.2	8005.7	8034.1	8078.8	8115.4	8147.8	8204.7	8233.3	8278.0	8326.7
12.5°	7835.0	7879.7	7908.1	7956.8	8005.7	8038.1	8087.0	8139.8	8184.5	8229.1	8286.0
15°	7741.5	7794.4	7826.9	7879.7	7932.6	7977.2	8030.1	8095.2	8127.6	8180.5	8233.3
17.5°	7639.8	7696.9	7737.5	7786.2	7851.3	7899.9	7944.8	8009.7	8050.3	8107.2	8168.2
20°	7534.3	7591.2	7639.8	7688.7	7753.8	7802.4	7855.3	7920.4	7965.0	8021.9	8070.7
22.5°	7408.3	7461.2	7513.9	7570.8	7635.8	7676.5	7737.5	7794.4	7843.1	7895.9	7944.8
25°	7245.8	7310.8	7351.5	7404.2	7457.0	7501.7	7566.7	7623.6	7664.3	7713.1	7757.8
27.5°	7054.7	7103.6	7136.0	7180.7	7233.5	7274.2	7322.9	7379.9	7420.6	7465.2	7497.7
30°	6729.6	6774.4	6802.8	6835.3	6888.1	6924.8	6965.4	7018.1	7046.5	7079.2	7107.6
32.5°	6302.9	6339.5	6355.7	6380.1	6416.8	6453.2	6485.9	6530.5	6542.7	6563.0	6563.0
35°	5685.3	5693.3	5689.3	5697.5	5713.7	5734.0	5762.4	5790.9	5807.1	5807.1	5795.0
37.5°	4961.9	4913.2	4860.3	4819.7	4807.5	4799.3	4815.7	4827.7	4844.1	4852.1	4831.9
40°	4210.2	4100.4	3982.5	3876.8	3803.7	3771.2	3759.0	3767.1	3767.1	3795.5	3795.5
42.5°	3564.0	3393.2	3218.6	3060.0	2954.3	2873.2	2836.5	2836.5	2840.6	2861.0	2873.2
45°	3027.6	2812.1	2608.9	2434.3	2287.9	2182.2	2133.5	2121.3	2117.3	2125.3	2153.8
47.5°	2617.1	2393.6	2182.2	1966.9	1812.5	1706.8	1662.2	1645.8	1629.5	1645.8	1649.9
50°	2296.1	2064.4	1841.0	1625.5	1462.9	1369.4	1312.6	1288.1	1284.1	1284.1	1292.3
52.5°	2003.4	1788.1	1564.6	1345.2	1174.4	1085.1	1032.2	1020.0	1003.8	1020.0	1020.0
55°	1727.1	1511.8	1292.3	1085.1	942.7	849.4	800.5	784.3	776.1	788.3	788.3
57.5°	1426.5	1243.5	1040.4	853.4	711.2	646.2	609.5	589.3	585.1	593.3	585.1
60°	1170.4	1016.0	841.2	670.6	560.9	491.8	463.3	455.1	446.9	455.1	455.1
62.5°	926.5	796.5	654.2	524.2	430.7	382.0	349.4	349.4	345.4	345.4	349.4
65°	686.8	585.1	483.6	373.8	300.7	264.1	239.7	239.7	235.7	239.7	235.7
67.5°	499.8	430.7	349.4	272.3	215.4	195.0	178.8	166.6	174.8	166.6	162.6
70°	365.8	308.8	251.9	207.2	166.6	146.4	134.1	130.0	121.9	121.9	121.9
72.5°	243.9	207.2	170.6	134.1	109.7	89.3	85.3	77.3	69.1	73.1	81.3
75°	162.6	138.2	121.9	97.5	73.1	73.1	48.8	48.8	40.6	48.8	36.6
77.5°	113.7	93.5	73.1	60.9	48.8	44.7	32.5	32.5	28.4	28.4	28.4
80°	81.3	69.1	52.9	44.7	32.5	32.5	28.4	24.4	20.2	20.2	24.4
82.5°	48.8	36.6	36.6	32.5	20.2	16.2	12.2	16.2	8.2	8.2	8.2
85°	28.4	24.4	20.2	12.2	8.2	8.2	4.0	0.0	4.0	4.0	0.0
87.5°	16.2	8.2	8.2	4.0	0.0	4.0	4.0	0.0	0.0	0.0	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8371.5	8367.3	8375.5	8375.5	8399.9	8395.7	8407.9	8407.9	8399.9	8403.9	8420.2
5°	8399.9	8412.1	8436.4	8456.8	8493.3	8509.6	8529.9	8550.3	8554.3	8566.5	8578.7
7.5°	8399.9	8440.6	8469.0	8505.5	8554.3	8582.7	8627.4	8664.0	8680.3	8700.5	8724.9
10°	8383.5	8424.2	8477.0	8517.7	8578.7	8623.4	8668.0	8724.9	8749.3	8781.8	8814.4
12.5°	8351.1	8395.7	8452.6	8505.5	8574.5	8615.2	8672.1	8724.9	8761.6	8806.2	8842.8
15°	8302.4	8355.1	8407.9	8460.8	8533.9	8582.7	8635.6	8696.5	8733.1	8781.8	8814.4
17.5°	8225.1	8282.0	8330.8	8379.5	8448.6	8505.5	8554.3	8611.2	8647.8	8688.5	8733.1
20°	8131.6	8184.5	8237.3	8278.0	8347.1	8395.7	8448.6	8501.4	8529.9	8538.1	8607.2
22.5°	8013.9	8050.3	8091.0	8156.0	8196.7	8241.3	8290.2	8338.9	8367.3	8412.1	8436.4
25°	7818.7	7855.3	7899.9	7928.4	7977.2	8013.9	8062.5	8115.4	8131.6	8164.2	8188.5
27.5°	7546.5	7566.7	7587.2	7611.4	7639.8	7660.3	7688.7	7713.1	7729.3	7745.6	7761.8
30°	7115.6	7115.6	7115.6	7099.4	7111.6	7123.8	7127.8	7123.8	7123.8	7119.8	7119.8
32.5°	6546.7	6514.3	6477.7	6445.2	6433.0	6416.8	6408.6	6396.4	6376.1	6363.9	6367.9
35°	5778.6	5705.5	5660.9	5620.2	5587.8	5563.4	5551.2	5538.9	5534.9	5518.7	5502.3
37.5°	4819.7	4766.8	4734.4	4710.0	4681.5	4657.1	4661.1	4665.3	4677.3	4669.3	4673.3
40°	3803.7	3791.5	3803.7	3775.3	3767.1	3775.3	3795.5	3824.1	3840.3	3856.6	3885.0
42.5°	2893.4	2913.7	2942.3	2942.3	2954.3	2970.7	2995.0	3039.8	3064.0	3092.5	3125.1
45°	2178.2	2202.6	2239.2	2251.3	2259.5	2279.7	2308.3	2344.8	2361.0	2385.4	2413.9
47.5°	1678.4	1694.6	1714.8	1735.2	1755.5	1763.7	1792.1	1792.1	1812.5	1828.8	1836.8
50°	1308.5	1324.8	1341.0	1353.2	1361.4	1373.6	1381.6	1393.9	1397.9	1406.1	1410.1
52.5°	1024.0	1044.4	1044.4	1052.5	1064.7	1076.9	1072.9	1076.9	1080.9	1080.9	1093.1
55°	800.5	800.5	812.8	812.8	821.0	816.8	821.0	821.0	821.0	821.0	825.0
57.5°	597.3	601.5	613.7	605.5	601.5	609.5	601.5	609.5	605.5	613.7	601.5
60°	459.2	459.2	463.3	463.3	467.3	467.3	467.3	463.3	463.3	459.2	459.2
62.5°	345.4	349.4	353.6	349.4	349.4	349.4	345.4	345.4	341.4	337.2	337.2
65°	231.7	227.7	235.7	227.7	231.7	231.7	227.7	231.7	219.5	223.5	219.5
67.5°	166.6	162.6	158.6	162.6	158.6	154.4	154.4	158.6	162.6	150.4	150.4
70°	109.7	113.7	109.7	113.7	117.9	117.9	113.7	109.7	113.7	105.7	109.7
72.5°	69.1	69.1	69.1	69.1	69.1	73.1	73.1	73.1	65.1	65.1	60.9
75°	32.5	44.7	36.6	32.5	44.7	44.7	40.6	40.6	36.6	36.6	36.6
77.5°	32.5	24.4	24.4	24.4	24.4	24.4	24.4	24.4	20.2	24.4	20.2
80°	16.2	16.2	16.2	12.2	16.2	16.2	20.2	16.2	16.2	12.2	20.2
82.5°	8.2	8.2	8.2	0.0	4.0	8.2	8.2	4.0	8.2	8.2	4.0
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: P248891

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8416.1	8412.1	8416.1	8420.2	8416.1	8412.1	8416.1	8420.2	8403.9	8399.9	8407.9
5°	8595.0	8595.0	8603.0	8607.2	8603.0	8595.0	8595.0	8578.7	8566.5	8554.3	8550.3
7.5°	8749.3	8757.5	8765.6	8769.6	8765.6	8757.5	8749.3	8724.9	8700.5	8680.3	8664.0
10°	8842.8	8855.1	8871.3	8879.3	8871.3	8855.1	8842.8	8814.4	8781.8	8749.3	8724.9
12.5°	8883.5	8895.7	8915.9	8911.9	8915.9	8895.7	8883.5	8842.8	8806.2	8761.6	8724.9
15°	8855.1	8871.3	8891.5	8899.7	8891.5	8871.3	8855.1	8814.4	8781.8	8733.1	8696.5
17.5°	8765.6	8790.0	8802.2	8814.4	8802.2	8790.0	8765.6	8733.1	8688.5	8647.8	8611.2
20°	8643.6	8660.0	8676.2	8680.3	8676.2	8660.0	8643.6	8607.2	8538.1	8529.9	8501.4
22.5°	8469.0	8481.2	8517.7	8505.5	8517.7	8481.2	8469.0	8436.4	8412.1	8367.3	8338.9
25°	8216.9	8229.1	8233.3	8237.3	8233.3	8229.1	8216.9	8188.5	8164.2	8131.6	8115.4
27.5°	7782.2	7782.2	7790.2	7794.4	7790.2	7782.2	7782.2	7761.8	7745.6	7729.3	7713.1
30°	7123.8	7123.8	7123.8	7144.2	7123.8	7123.8	7123.8	7119.8	7119.8	7123.8	7123.8
32.5°	6363.9	6355.7	6347.7	6355.7	6347.7	6355.7	6363.9	6367.9	6363.9	6376.1	6396.4
35°	5502.3	5498.3	5510.5	5494.3	5510.5	5498.3	5502.3	5502.3	5518.7	5534.9	5538.9
37.5°	4677.3	4669.3	4685.5	4669.3	4685.5	4669.3	4677.3	4673.3	4669.3	4677.3	4665.3
40°	3893.2	3901.2	3901.2	3933.8	3901.2	3901.2	3893.2	3885.0	3856.6	3840.3	3824.1
42.5°	3141.3	3165.7	3157.5	3182.0	3157.5	3165.7	3141.3	3125.1	3092.5	3064.0	3039.8
45°	2430.1	2446.5	2446.5	2454.5	2446.5	2446.5	2430.1	2413.9	2385.4	2361.0	2344.8
47.5°	1865.2	1865.2	1865.2	1869.4	1865.2	1865.2	1865.2	1836.8	1828.8	1812.5	1792.1
50°	1418.3	1422.3	1426.5	1430.5	1426.5	1422.3	1418.3	1410.1	1406.1	1397.9	1393.9
52.5°	1089.1	1093.1	1085.1	1093.1	1085.1	1093.1	1089.1	1093.1	1080.9	1080.9	1076.9
55°	825.0	821.0	825.0	829.0	825.0	821.0	825.0	825.0	821.0	821.0	821.0
57.5°	605.5	597.3	597.3	597.3	597.3	597.3	605.5	601.5	613.7	605.5	609.5
60°	451.1	455.1	455.1	459.2	455.1	455.1	451.1	459.2	459.2	463.3	463.3
62.5°	333.2	345.4	337.2	345.4	337.2	345.4	333.2	337.2	337.2	341.4	345.4
65°	215.4	215.4	215.4	219.5	215.4	215.4	215.4	219.5	223.5	219.5	231.7
67.5°	146.4	150.4	158.6	154.4	158.6	150.4	146.4	150.4	150.4	162.6	158.6
70°	117.9	105.7	105.7	117.9	105.7	105.7	117.9	109.7	105.7	113.7	109.7
72.5°	69.1	60.9	69.1	69.1	69.1	60.9	69.1	60.9	65.1	65.1	73.1
75°	36.6	32.5	28.4	40.6	28.4	32.5	36.6	36.6	36.6	36.6	40.6
77.5°	24.4	20.2	28.4	28.4	28.4	20.2	24.4	20.2	24.4	20.2	24.4
80°	12.2	16.2	12.2	20.2	12.2	16.2	12.2	20.2	12.2	16.2	16.2
82.5°	4.0	8.2	8.2	8.2	8.2	8.2	4.0	4.0	8.2	8.2	4.0
85°	0.0	8.2	4.0	4.0	4.0	8.2	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	0.0	0.0	4.0	0.0	0.0	4.0	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: P248891

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8407.9	8395.7	8399.9	8375.5	8375.5	8367.3	8371.5	8351.1	8343.0	8334.8	8347.1
5°	8529.9	8509.6	8493.3	8456.8	8436.4	8412.1	8399.9	8367.3	8338.9	8314.4	8310.4
7.5°	8627.4	8582.7	8554.3	8505.5	8469.0	8440.6	8399.9	8355.1	8318.6	8286.0	8261.8
10°	8668.0	8623.4	8578.7	8517.7	8477.0	8424.2	8383.5	8326.7	8278.0	8233.3	8204.7
12.5°	8672.1	8615.2	8574.5	8505.5	8452.6	8395.7	8351.1	8286.0	8229.1	8184.5	8139.8
15°	8635.6	8582.7	8533.9	8460.8	8407.9	8355.1	8302.4	8233.3	8180.5	8127.6	8095.2
17.5°	8554.3	8505.5	8448.6	8379.5	8330.8	8282.0	8225.1	8168.2	8107.2	8050.3	8009.7
20°	8448.6	8395.7	8347.1	8278.0	8237.3	8184.5	8131.6	8070.7	8021.9	7965.0	7920.4
22.5°	8290.2	8241.3	8196.7	8156.0	8091.0	8050.3	8013.9	7944.8	7895.9	7843.1	7794.4
25°	8062.5	8013.9	7977.2	7928.4	7899.9	7855.3	7818.7	7757.8	7713.1	7664.3	7623.6
27.5°	7688.7	7660.3	7639.8	7611.4	7587.2	7566.7	7546.5	7497.7	7465.2	7420.6	7379.9
30°	7127.8	7123.8	7111.6	7099.4	7115.6	7115.6	7115.6	7107.6	7079.2	7046.5	7018.1
32.5°	6408.6	6416.8	6433.0	6445.2	6477.7	6514.3	6546.7	6563.0	6563.0	6542.7	6530.5
35°	5551.2	5563.4	5587.8	5620.2	5660.9	5705.5	5778.6	5795.0	5807.1	5807.1	5790.9
37.5°	4661.1	4657.1	4681.5	4710.0	4734.4	4766.8	4819.7	4831.9	4852.1	4844.1	4827.7
40°	3795.5	3775.3	3767.1	3775.3	3803.7	3791.5	3803.7	3795.5	3795.5	3767.1	3767.1
42.5°	2995.0	2970.7	2954.3	2942.3	2942.3	2913.7	2893.4	2873.2	2861.0	2840.6	2836.5
45°	2308.3	2279.7	2259.5	2251.3	2239.2	2202.6	2178.2	2153.8	2125.3	2117.3	2121.3
47.5°	1792.1	1763.7	1755.5	1735.2	1714.8	1694.6	1678.4	1649.9	1645.8	1629.5	1645.8
50°	1381.6	1373.6	1361.4	1353.2	1341.0	1324.8	1308.5	1292.3	1284.1	1284.1	1288.1
52.5°	1072.9	1076.9	1064.7	1052.5	1044.4	1044.4	1024.0	1020.0	1020.0	1003.8	1020.0
55°	821.0	816.8	821.0	812.8	812.8	800.5	800.5	788.3	788.3	776.1	784.3
57.5°	601.5	609.5	601.5	605.5	613.7	601.5	597.3	585.1	593.3	585.1	589.3
60°	467.3	467.3	467.3	463.3	463.3	459.2	459.2	455.1	455.1	446.9	455.1
62.5°	345.4	349.4	349.4	349.4	353.6	349.4	345.4	349.4	345.4	345.4	349.4
65°	227.7	231.7	231.7	227.7	235.7	227.7	231.7	235.7	239.7	235.7	239.7
67.5°	154.4	154.4	158.6	162.6	158.6	162.6	166.6	162.6	166.6	174.8	166.6
70°	113.7	117.9	117.9	113.7	109.7	113.7	109.7	121.9	121.9	121.9	130.0
72.5°	73.1	73.1	69.1	69.1	69.1	69.1	69.1	81.3	73.1	69.1	77.3
75°	40.6	44.7	44.7	32.5	36.6	44.7	32.5	36.6	48.8	40.6	48.8
77.5°	24.4	24.4	24.4	24.4	24.4	24.4	32.5	28.4	28.4	28.4	32.5
80°	20.2	16.2	16.2	12.2	16.2	16.2	16.2	24.4	20.2	20.2	24.4
82.5°	8.2	8.2	4.0	0.0	8.2	8.2	8.2	8.2	8.2	8.2	16.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	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: P248891

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8314.4	8314.4	8310.4	8302.4	8286.0	8286.0	8282.0	8269.8	8261.8	8257.6	8257.6
5°	8273.8	8257.6	8241.3	8196.7	8196.7	8188.5	8164.2	8147.8	8139.8	8119.4	8111.4
7.5°	8237.3	8188.5	8160.1	8131.6	8095.2	8078.8	8050.3	8038.1	8009.7	7989.4	7977.2
10°	8147.8	8115.4	8078.8	8034.1	8005.7	7973.2	7940.6	7916.3	7879.7	7859.3	7843.1
12.5°	8087.0	8038.1	8005.7	7956.8	7908.1	7879.7	7835.0	7806.6	7770.0	7729.3	7704.9
15°	8030.1	7977.2	7932.6	7879.7	7826.9	7794.4	7741.5	7709.1	7656.2	7615.6	7587.2
17.5°	7944.8	7899.9	7851.3	7786.2	7737.5	7696.9	7639.8	7599.4	7550.5	7497.7	7469.2
20°	7855.3	7802.4	7753.8	7688.7	7639.8	7591.2	7534.3	7489.6	7432.6	7383.9	7351.5
22.5°	7737.5	7676.5	7635.8	7570.8	7513.9	7461.2	7408.3	7355.5	7302.6	7262.0	7225.4
25°	7566.7	7501.7	7457.0	7404.2	7351.5	7310.8	7245.8	7213.3	7160.5	7123.8	7087.2
27.5°	7322.9	7274.2	7233.5	7180.7	7136.0	7103.6	7054.7	7022.3	6977.5	6945.0	6916.6
30°	6965.4	6924.8	6888.1	6835.3	6802.8	6774.4	6729.6	6701.1	6668.7	6632.0	6624.0
32.5°	6485.9	6453.2	6416.8	6380.1	6355.7	6339.5	6302.9	6286.6	6254.2	6233.8	6213.5
35°	5762.4	5734.0	5713.7	5697.5	5689.3	5693.3	5685.3	5701.5	5709.6	5705.5	5709.6
37.5°	4815.7	4799.3	4807.5	4819.7	4860.3	4913.2	4961.9	5035.0	5083.8	5132.6	5177.3
40°	3759.0	3771.2	3803.7	3876.8	3982.5	4100.4	4210.2	4348.3	4486.5	4584.0	4673.3
42.5°	2836.5	2873.2	2954.3	3060.0	3218.6	3393.2	3564.0	3767.1	3933.8	4096.3	4210.2
45°	2133.5	2182.2	2287.9	2434.3	2608.9	2812.1	3027.6	3255.1	3454.3	3620.9	3746.8
47.5°	1662.2	1706.8	1812.5	1966.9	2182.2	2393.6	2617.1	2852.8	3060.0	3222.6	3332.3
50°	1312.6	1369.4	1462.9	1625.5	1841.0	2064.4	2296.1	2527.6	2722.8	2861.0	2958.5
52.5°	1032.2	1085.1	1174.4	1345.2	1564.6	1788.1	2003.4	2231.0	2401.6	2535.8	2600.9
55°	800.5	849.4	942.7	1085.1	1292.3	1511.8	1727.1	1922.3	2080.7	2178.2	2239.2
57.5°	609.5	646.2	711.2	853.4	1040.4	1243.5	1426.5	1621.5	1743.4	1812.5	1853.0
60°	463.3	491.8	560.9	670.6	841.2	1016.0	1170.4	1316.7	1414.3	1471.1	1511.8
62.5°	349.4	382.0	430.7	524.2	654.2	796.5	926.5	1036.2	1117.5	1154.2	1182.6
65°	239.7	264.1	300.7	373.8	483.6	585.1	686.8	768.1	821.0	861.6	877.8
67.5°	178.8	195.0	215.4	272.3	349.4	430.7	499.8	556.7	613.7	629.9	658.4
70°	134.1	146.4	166.6	207.2	251.9	308.8	365.8	398.3	438.9	467.3	475.5
72.5°	85.3	89.3	109.7	134.1	170.6	207.2	243.9	272.3	296.7	313.0	321.0
75°	48.8	73.1	73.1	97.5	121.9	138.2	162.6	182.8	195.0	207.2	207.2
77.5°	32.5	44.7	48.8	60.9	73.1	93.5	113.7	126.0	138.2	142.2	142.2
80°	28.4	32.5	32.5	44.7	52.9	69.1	81.3	85.3	93.5	97.5	105.7
82.5°	12.2	16.2	20.2	32.5	36.6	36.6	48.8	52.9	60.9	65.1	65.1
85°	4.0	8.2	8.2	12.2	20.2	24.4	28.4	32.5	36.6	36.6	40.6
87.5°	4.0	4.0	0.0	4.0	8.2	8.2	16.2	16.2	16.2	24.4	24.4
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: P248891

CATALOG NUMBER: LD8B175D010 ER8B175835 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6	8322.6
2.5°	8249.5	8253.6	8237.3	8233.3	8225.1	8229.1	8237.3
5°	8099.2	8103.2	8087.0	8070.7	8070.7	8066.5	8070.7
7.5°	7956.8	7961.0	7936.6	7928.4	7912.2	7916.3	7916.3
10°	7814.6	7814.6	7778.2	7774.0	7761.8	7757.8	7757.8
12.5°	7676.5	7664.3	7635.8	7619.6	7627.8	7603.4	7603.4
15°	7554.5	7534.3	7497.7	7485.5	7465.2	7457.0	7457.0
17.5°	7428.6	7412.4	7379.9	7355.5	7331.1	7327.1	7331.1
20°	7306.6	7290.4	7249.8	7233.5	7213.3	7213.3	7205.1
22.5°	7184.7	7168.5	7132.0	7119.8	7091.4	7091.4	7095.4
25°	7058.8	7046.5	7005.9	6997.9	6993.9	6977.5	6985.7
27.5°	6888.1	6879.9	6847.5	6835.3	6819.1	6815.0	6823.1
30°	6575.2	6563.0	6538.7	6526.5	6498.1	6502.1	6510.1
32.5°	6185.1	6168.9	6136.3	6124.1	6099.8	6091.6	6095.6
35°	5697.5	5685.3	5656.9	5656.9	5632.4	5624.3	5632.4
37.5°	5201.7	5213.8	5201.7	5213.8	5201.7	5197.5	5201.7
40°	4734.4	4779.0	4787.1	4831.9	4815.7	4839.9	4835.9
42.5°	4287.3	4360.4	4389.0	4425.4	4417.4	4433.6	4445.8
45°	3836.1	3897.2	3925.6	3950.1	3954.1	3962.3	3966.3
47.5°	3409.4	3458.3	3462.3	3490.7	3486.7	3486.7	3498.9
50°	3011.3	3043.8	3051.8	3072.2	3056.0	3047.8	3051.8
52.5°	2641.5	2674.0	2665.8	2674.0	2653.7	2645.5	2649.5
55°	2263.5	2279.7	2279.7	2279.7	2255.5	2255.5	2255.5
57.5°	1877.4	1881.6	1873.4	1877.4	1873.4	1849.0	1845.0
60°	1524.0	1524.0	1519.8	1524.0	1511.8	1499.6	1499.6
62.5°	1190.6	1198.8	1215.0	1198.8	1190.6	1198.8	1186.6
65°	890.0	906.3	902.1	910.3	906.3	906.3	898.1
67.5°	670.6	674.6	678.6	682.8	682.8	682.8	682.8
70°	491.8	504.0	499.8	499.8	499.8	499.8	524.2
72.5°	329.2	345.4	341.4	349.4	349.4	357.6	349.4
75°	223.5	239.7	231.7	243.9	239.7	231.7	251.9
77.5°	150.4	158.6	162.6	166.6	162.6	158.6	162.6
80°	105.7	113.7	109.7	113.7	113.7	113.7	117.9
82.5°	65.1	77.3	73.1	77.3	73.1	77.3	77.3
85°	44.7	48.8	40.6	48.8	44.7	44.7	52.9
87.5°	28.4	24.4	24.4	28.4	24.4	28.4	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)