

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: P248792

Luminaire Tested: **LD8B175D010 ER8B175840 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175840 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16870.0 lumens
Efficiency: N/A
Efficacy: 95.2 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

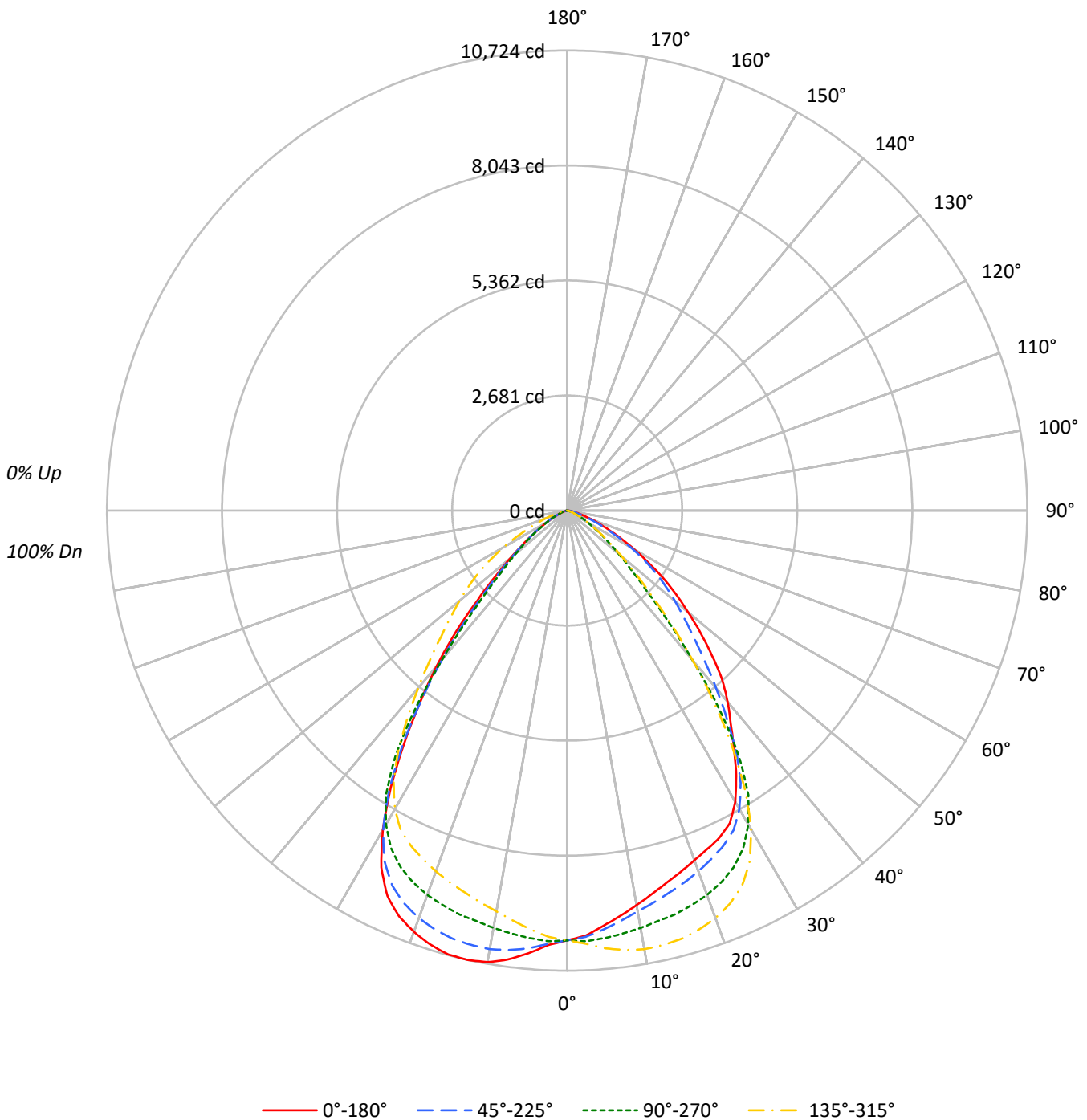
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	308832	308832	308832	308832
5°	300626	309557	320610	309557
10°	292310	309153	334572	309153
15°	286471	310985	341894	310985
20°	284522	312766	342772	312766
25°	286017	312137	337264	312137
30°	278943	300713	306114	300713
35°	255149	262324	248888	262324
40°	234254	182479	190554	182479
45°	208142	111321	128808	111321
50°	176180	74363	82580	74363
55°	145914	50740	53632	50740
60°	111288	33778	34074	33778
65°	78853	21043	19270	21043
70°	56873	14101	12794	14101
75°	36112	7006	5826	7006
80°	25198	5221	4333	5221
85°	22502	0	1698	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	953.3	5.7
10°-20°	2760.5	16.4
20°-30°	4179.9	24.8
30°-40°	4189.3	24.8
40°-50°	2630.7	15.6
50°-60°	1401.9	8.3
60°-70°	576.5	3.4
70°-80°	152.3	0.9
80°-90°	25.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7893.6	46.8
0°-40°	12082.9	71.6
0°-60°	16115.5	95.5
0°-90°	16870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16870.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10015	10015	10015	10015	10015	
5°	9712	10000	10358	10000	9712	916
15°	8974	9741	10710	9741	8974	2538
25°	8406	9174	9912	9174	8406	3855
35°	6778	6968	6612	6968	6778	4246
45°	4773	2553	2954	2553	4773	3671
55°	2714	944	998	944	2714	2420
65°	1081	288	264	288	1081	1121
75°	303	59	49	59	303	343
85°	64	0	5	0	64	70
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°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	9912.5	9902.7	9897.8	9907.7	9912.5	9932.1	9927.2	9936.9	9936.9	9941.9	9951.6
5°	9712.0	9707.0	9712.0	9712.0	9731.6	9751.1	9746.3	9761.0	9770.6	9795.2	9804.8
7.5°	9526.3	9526.3	9521.2	9540.8	9550.6	9580.0	9575.0	9599.5	9614.2	9638.6	9672.8
10°	9335.4	9335.4	9340.3	9355.0	9360.0	9403.9	9403.9	9438.1	9457.6	9482.2	9526.3
12.5°	9149.7	9149.7	9179.0	9169.2	9188.7	9222.9	9237.6	9271.8	9301.2	9350.1	9394.2
15°	8973.5	8973.5	8983.4	9007.7	9022.4	9066.5	9090.9	9130.1	9164.3	9213.3	9276.9
17.5°	8822.0	8817.1	8822.0	8851.3	8880.7	8919.8	8939.3	8988.2	9022.4	9086.0	9144.8
20°	8670.4	8680.3	8680.3	8704.6	8724.1	8773.0	8792.6	8846.5	8885.6	8944.1	9012.8
22.5°	8538.3	8533.5	8533.5	8567.7	8582.4	8626.3	8645.8	8694.7	8738.8	8787.7	8851.3
25°	8406.3	8396.4	8416.2	8421.0	8430.7	8479.6	8494.3	8528.5	8572.6	8616.6	8680.3
27.5°	8210.7	8201.0	8205.8	8225.3	8240.0	8279.1	8289.0	8323.2	8357.4	8396.4	8450.4
30°	7834.0	7824.4	7819.6	7853.8	7868.5	7897.7	7912.4	7971.1	7980.8	8024.9	8063.9
32.5°	7335.3	7330.4	7340.3	7369.5	7384.2	7423.4	7443.0	7477.2	7501.5	7526.1	7565.1
35°	6777.9	6768.0	6777.9	6807.3	6807.3	6841.5	6856.2	6870.7	6865.9	6870.7	6861.0
37.5°	6259.6	6254.6	6259.6	6274.1	6259.6	6274.1	6259.6	6230.2	6176.5	6117.7	6058.9
40°	5819.4	5824.2	5795.0	5814.5	5760.6	5750.9	5697.2	5623.7	5516.2	5398.9	5232.6
42.5°	5350.0	5335.3	5315.8	5325.4	5281.5	5247.1	5159.2	5066.4	4929.3	4733.8	4533.2
45°	4772.9	4768.1	4758.2	4753.4	4724.0	4689.8	4616.3	4508.8	4357.2	4156.8	3917.0
47.5°	4210.5	4195.8	4195.8	4200.6	4166.4	4161.6	4102.8	4010.0	3878.0	3682.3	3432.9
50°	3672.5	3667.6	3677.5	3697.0	3672.5	3662.8	3623.8	3560.1	3442.8	3276.5	3041.6
52.5°	3188.4	3183.5	3193.4	3217.8	3207.9	3217.8	3178.7	3129.8	3051.5	2890.1	2684.8
55°	2714.1	2714.1	2714.1	2743.3	2743.3	2743.3	2723.8	2694.6	2621.1	2503.8	2313.2
57.5°	2220.2	2225.0	2254.4	2259.2	2254.4	2264.3	2259.2	2229.8	2181.1	2098.0	1951.3
60°	1804.5	1804.5	1819.2	1833.9	1828.9	1833.9	1833.9	1819.2	1770.3	1701.9	1584.5
62.5°	1427.9	1442.6	1432.8	1442.6	1462.1	1442.6	1432.8	1423.1	1388.9	1344.8	1247.0
65°	1080.7	1090.6	1090.6	1095.4	1085.5	1090.6	1071.0	1056.3	1036.8	987.9	924.3
67.5°	821.6	821.6	821.6	821.6	816.6	811.8	807.0	792.3	758.0	738.5	669.9
70°	630.8	601.4	601.4	601.4	601.4	606.5	591.8	572.3	562.4	528.2	479.3
72.5°	420.5	430.3	420.5	420.5	410.8	415.7	396.1	386.3	376.6	357.1	327.7
75°	303.1	278.8	288.4	293.5	278.8	288.4	268.9	249.4	249.4	234.7	220.0
77.5°	195.6	190.8	195.6	200.5	195.6	190.8	181.0	171.1	171.1	166.3	151.6
80°	141.9	136.9	136.9	136.9	132.0	136.9	127.2	127.2	117.3	112.5	102.7
82.5°	93.0	93.0	88.0	93.0	88.0	93.0	78.3	78.3	78.3	73.3	63.6
85°	63.6	53.7	53.7	58.8	48.9	58.8	53.7	48.9	44.1	44.1	39.0
87.5°	29.4	34.2	29.4	34.2	29.4	29.4	34.2	29.4	29.4	19.5	19.5
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°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	9966.3	9971.1	9971.1	9990.8	10000.5	10005.3	10005.3	10044.6	10029.9	10039.7	10049.4
5°	9824.6	9853.8	9863.6	9863.6	9917.4	9936.9	9956.4	10000.5	10005.3	10034.7	10068.9
7.5°	9687.5	9721.7	9741.4	9785.3	9819.5	9853.8	9912.5	9941.9	9971.1	10010.4	10054.2
10°	9555.4	9594.7	9633.7	9668.0	9721.7	9765.8	9804.8	9873.3	9907.7	9961.4	10020.0
12.5°	9428.4	9482.2	9516.4	9575.0	9633.7	9672.8	9731.6	9795.2	9848.9	9902.7	9971.1
15°	9315.9	9379.5	9418.6	9482.2	9545.8	9599.5	9663.1	9741.4	9780.5	9844.1	9907.7
17.5°	9193.5	9262.2	9311.1	9369.7	9448.0	9506.5	9560.5	9638.6	9687.5	9755.9	9829.4
20°	9066.5	9135.0	9193.5	9252.3	9330.6	9389.2	9452.8	9531.1	9584.8	9653.3	9712.0
22.5°	8915.0	8978.6	9042.0	9110.4	9188.7	9237.6	9311.1	9379.5	9438.1	9501.7	9560.5
25°	8719.3	8797.6	8846.5	8909.9	8973.5	9027.3	9105.6	9174.0	9222.9	9281.7	9335.4
27.5°	8489.4	8548.2	8587.3	8641.0	8704.6	8753.5	8812.1	8880.7	8929.6	8983.4	9022.4
30°	8098.1	8152.1	8186.3	8225.3	8289.0	8333.0	8382.0	8445.4	8479.6	8518.8	8553.0
32.5°	7584.7	7628.7	7648.3	7677.7	7721.7	7765.6	7804.9	7858.6	7873.3	7897.7	7897.7
35°	6841.5	6851.2	6846.3	6856.2	6875.7	6900.1	6934.3	6968.5	6988.0	6988.0	6973.6
37.5°	5970.9	5912.4	5848.8	5799.9	5785.2	5775.3	5795.0	5809.5	5829.2	5838.9	5814.5
40°	5066.4	4934.3	4792.4	4665.2	4577.2	4538.2	4523.5	4533.2	4533.2	4567.4	4567.4
42.5°	4288.8	4083.3	3873.1	3682.3	3555.1	3457.5	3413.4	3413.4	3418.2	3442.8	3457.5
45°	3643.3	3384.0	3139.5	2929.3	2753.2	2626.0	2567.4	2552.7	2547.9	2557.5	2591.8
47.5°	3149.3	2880.4	2626.0	2366.9	2181.1	2053.9	2000.2	1980.5	1960.9	1980.5	1985.5
50°	2763.1	2484.3	2215.4	1956.1	1760.4	1647.9	1579.5	1550.1	1545.3	1545.3	1555.1
52.5°	2410.8	2151.7	1882.8	1618.7	1413.2	1305.7	1242.1	1227.4	1207.9	1227.4	1227.4
55°	2078.3	1819.2	1555.1	1305.7	1134.4	1022.1	963.4	943.8	934.0	948.7	948.7
57.5°	1716.6	1496.4	1252.0	1027.0	855.9	777.6	733.5	709.1	704.1	714.0	704.1
60°	1408.4	1222.6	1012.3	807.0	674.9	591.8	557.6	547.7	537.8	547.7	547.7
62.5°	1114.9	958.5	787.2	630.8	518.3	459.7	420.5	420.5	415.7	415.7	420.5
65°	826.5	704.1	581.9	449.9	361.9	317.8	288.4	288.4	283.6	288.4	283.6
67.5°	601.4	518.3	420.5	327.7	259.3	234.7	215.2	200.5	210.3	200.5	195.6
70°	440.2	371.6	303.1	249.4	200.5	176.1	161.4	156.4	146.7	146.7	146.7
72.5°	293.5	249.4	205.3	161.4	132.0	107.5	102.7	93.0	83.1	88.0	97.8
75°	195.6	166.3	146.7	117.3	88.0	88.0	58.8	58.8	48.9	58.8	44.1
77.5°	136.9	112.5	88.0	73.3	58.8	53.7	39.0	39.0	34.2	34.2	34.2
80°	97.8	83.1	63.6	53.7	39.0	39.0	34.2	29.4	24.4	24.4	29.4
82.5°	58.8	44.1	44.1	39.0	24.4	19.5	14.7	19.5	9.9	9.9	9.9
85°	34.2	29.4	24.4	14.7	9.9	9.9	4.8	0.0	4.8	4.8	0.0
87.5°	19.5	9.9	9.9	4.8	0.0	4.8	4.8	0.0	0.0	0.0	9.9
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	10074.0	10068.9	10078.8	10078.8	10108.2	10103.1	10117.8	10117.8	10108.2	10113.0	10132.5
5°	10108.2	10122.9	10152.1	10176.6	10220.5	10240.2	10264.6	10289.1	10294.0	10308.7	10323.4
7.5°	10108.2	10157.1	10191.3	10235.2	10294.0	10328.2	10381.9	10426.0	10445.5	10469.9	10499.3
10°	10088.5	10137.4	10201.0	10249.9	10323.4	10377.1	10430.8	10499.3	10528.7	10567.7	10607.0
12.5°	10049.4	10103.1	10171.6	10235.2	10318.3	10367.2	10435.7	10499.3	10543.4	10597.1	10641.2
15°	9990.8	10054.2	10117.8	10181.4	10269.4	10328.2	10391.8	10465.1	10509.1	10567.7	10607.0
17.5°	9897.8	9966.3	10025.0	10083.6	10166.8	10235.2	10294.0	10362.4	10406.5	10455.4	10509.1
20°	9785.3	9848.9	9912.5	9961.4	10044.6	10103.1	10166.8	10230.4	10264.6	10274.4	10357.6
22.5°	9643.6	9687.5	9736.4	9814.7	9863.6	9917.4	9976.1	10034.7	10068.9	10122.9	10152.1
25°	9408.7	9452.8	9506.5	9540.8	9599.5	9643.6	9702.2	9765.8	9785.3	9824.6	9853.8
27.5°	9081.2	9105.6	9130.1	9159.3	9193.5	9218.1	9252.3	9281.7	9301.2	9320.7	9340.3
30°	8562.7	8562.7	8562.7	8543.2	8557.9	8572.6	8577.4	8572.6	8572.6	8567.7	8567.7
32.5°	7878.1	7839.1	7795.0	7756.0	7741.3	7721.7	7711.9	7697.2	7672.8	7658.1	7663.0
35°	6953.8	6865.9	6812.1	6763.2	6724.2	6694.8	6680.1	6665.4	6660.6	6641.0	6621.3
37.5°	5799.9	5736.2	5697.2	5667.8	5633.6	5604.2	5609.0	5614.1	5628.6	5618.9	5623.7
40°	4577.2	4562.5	4577.2	4543.0	4533.2	4543.0	4567.4	4601.8	4621.3	4640.8	4675.1
42.5°	3481.8	3506.2	3540.6	3540.6	3555.1	3574.8	3604.0	3658.0	3687.2	3721.4	3760.6
45°	2621.1	2650.5	2694.6	2709.1	2719.0	2743.3	2777.7	2821.6	2841.2	2870.5	2904.8
47.5°	2019.7	2039.2	2063.6	2088.1	2112.5	2122.4	2156.6	2156.6	2181.1	2200.7	2210.3
50°	1574.7	1594.2	1613.7	1628.4	1638.3	1653.0	1662.6	1677.3	1682.1	1692.0	1696.8
52.5°	1232.3	1256.8	1256.8	1266.5	1281.2	1295.9	1291.0	1295.9	1300.7	1300.7	1315.4
55°	963.4	963.4	978.0	978.0	987.9	982.9	987.9	987.9	987.9	987.9	992.7
57.5°	718.8	723.8	738.5	728.7	723.8	733.5	723.8	733.5	728.7	738.5	723.8
60°	552.5	552.5	557.6	557.6	562.4	562.4	562.4	557.6	557.6	552.5	552.5
62.5°	415.7	420.5	425.5	420.5	420.5	420.5	415.7	415.7	410.8	405.8	405.8
65°	278.8	274.0	283.6	274.0	278.8	278.8	274.0	278.8	264.1	268.9	264.1
67.5°	200.5	195.6	190.8	195.6	190.8	185.8	185.8	190.8	195.6	181.0	181.0
70°	132.0	136.9	132.0	136.9	141.9	141.9	136.9	132.0	136.9	127.2	132.0
72.5°	83.1	83.1	83.1	83.1	83.1	88.0	88.0	88.0	78.3	78.3	73.3
75°	39.0	53.7	44.1	39.0	53.7	53.7	48.9	48.9	44.1	44.1	44.1
77.5°	39.0	29.4	29.4	29.4	29.4	29.4	29.4	29.4	24.4	29.4	24.4
80°	19.5	19.5	19.5	14.7	19.5	19.5	24.4	19.5	19.5	14.7	24.4
82.5°	9.9	9.9	9.9	0.0	4.8	9.9	9.9	4.8	9.9	9.9	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: P248792

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	10127.7	10122.9	10127.7	10132.5	10127.7	10122.9	10127.7	10132.5	10113.0	10108.2	10117.8
5°	10342.9	10342.9	10352.5	10357.6	10352.5	10342.9	10342.9	10323.4	10308.7	10294.0	10289.1
7.5°	10528.7	10538.5	10548.2	10553.0	10548.2	10538.5	10528.7	10499.3	10469.9	10445.5	10426.0
10°	10641.2	10655.9	10675.4	10685.1	10675.4	10655.9	10641.2	10607.0	10567.7	10528.7	10499.3
12.5°	10690.1	10704.8	10729.1	10724.3	10729.1	10704.8	10690.1	10641.2	10597.1	10543.4	10499.3
15°	10655.9	10675.4	10699.8	10709.6	10699.8	10675.4	10655.9	10607.0	10567.7	10509.1	10465.1
17.5°	10548.2	10577.6	10592.3	10607.0	10592.3	10577.6	10548.2	10509.1	10455.4	10406.5	10362.4
20°	10401.5	10421.2	10440.7	10445.5	10440.7	10421.2	10401.5	10357.6	10274.4	10264.6	10230.4
22.5°	10191.3	10206.0	10249.9	10235.2	10249.9	10206.0	10191.3	10152.1	10122.9	10068.9	10034.7
25°	9888.0	9902.7	9907.7	9912.5	9907.7	9902.7	9888.0	9853.8	9824.6	9785.3	9765.8
27.5°	9364.8	9364.8	9374.5	9379.5	9374.5	9364.8	9364.8	9340.3	9320.7	9301.2	9281.7
30°	8572.6	8572.6	8572.6	8597.1	8572.6	8572.6	8572.6	8567.7	8567.7	8572.6	8572.6
32.5°	7658.1	7648.3	7638.6	7648.3	7638.6	7648.3	7658.1	7663.0	7658.1	7672.8	7697.2
35°	6621.3	6616.5	6631.2	6611.6	6631.2	6616.5	6621.3	6621.3	6641.0	6660.6	6665.4
37.5°	5628.6	5618.9	5638.4	5618.9	5638.4	5618.9	5628.6	5623.7	5618.9	5628.6	5614.1
40°	4684.9	4694.6	4694.6	4733.8	4694.6	4694.6	4684.9	4675.1	4640.8	4621.3	4601.8
42.5°	3780.2	3809.5	3799.7	3829.1	3799.7	3809.5	3780.2	3760.6	3721.4	3687.2	3658.0
45°	2924.3	2944.0	2944.0	2953.7	2944.0	2944.0	2924.3	2904.8	2870.5	2841.2	2821.6
47.5°	2244.5	2244.5	2244.5	2249.6	2244.5	2244.5	2244.5	2210.3	2200.7	2181.1	2156.6
50°	1706.7	1711.5	1716.6	1721.4	1716.6	1711.5	1706.7	1696.8	1692.0	1682.1	1677.3
52.5°	1310.6	1315.4	1305.7	1315.4	1305.7	1315.4	1310.6	1315.4	1300.7	1300.7	1295.9
55°	992.7	987.9	992.7	997.6	992.7	987.9	992.7	992.7	987.9	987.9	987.9
57.5°	728.7	718.8	718.8	718.8	718.8	718.8	728.7	723.8	738.5	728.7	733.5
60°	542.9	547.7	547.7	552.5	547.7	547.7	542.9	552.5	552.5	557.6	557.6
62.5°	401.0	415.7	405.8	415.7	405.8	415.7	401.0	405.8	405.8	410.8	415.7
65°	259.3	259.3	259.3	264.1	259.3	259.3	259.3	264.1	268.9	264.1	278.8
67.5°	176.1	181.0	190.8	185.8	190.8	181.0	176.1	181.0	181.0	195.6	190.8
70°	141.9	127.2	127.2	141.9	127.2	127.2	141.9	132.0	127.2	136.9	132.0
72.5°	83.1	73.3	83.1	83.1	83.1	73.3	83.1	73.3	78.3	78.3	88.0
75°	44.1	39.0	34.2	48.9	34.2	39.0	44.1	44.1	44.1	44.1	48.9
77.5°	29.4	24.4	34.2	34.2	34.2	24.4	29.4	24.4	29.4	24.4	29.4
80°	14.7	19.5	14.7	24.4	14.7	19.5	14.7	24.4	14.7	19.5	19.5
82.5°	4.8	9.9	9.9	9.9	9.9	9.9	4.8	4.8	9.9	9.9	4.8
85°	0.0	9.9	4.8	4.8	4.8	9.9	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: P248792

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	10117.8	10103.1	10108.2	10078.8	10078.8	10068.9	10074.0	10049.4	10039.7	10029.9	10044.6
5°	10264.6	10240.2	10220.5	10176.6	10152.1	10122.9	10108.2	10068.9	10034.7	10005.3	10000.5
7.5°	10381.9	10328.2	10294.0	10235.2	10191.3	10157.1	10108.2	10054.2	10010.4	9971.1	9941.9
10°	10430.8	10377.1	10323.4	10249.9	10201.0	10137.4	10088.5	10020.0	9961.4	9907.7	9873.3
12.5°	10435.7	10367.2	10318.3	10235.2	10171.6	10103.1	10049.4	9971.1	9902.7	9848.9	9795.2
15°	10391.8	10328.2	10269.4	10181.4	10117.8	10054.2	9990.8	9907.7	9844.1	9780.5	9741.4
17.5°	10294.0	10235.2	10166.8	10083.6	10025.0	9966.3	9897.8	9829.4	9755.9	9687.5	9638.6
20°	10166.8	10103.1	10044.6	9961.4	9912.5	9848.9	9785.3	9712.0	9653.3	9584.8	9531.1
22.5°	9976.1	9917.4	9863.6	9814.7	9736.4	9687.5	9643.6	9560.5	9501.7	9438.1	9379.5
25°	9702.2	9643.6	9599.5	9540.8	9506.5	9452.8	9408.7	9335.4	9281.7	9222.9	9174.0
27.5°	9252.3	9218.1	9193.5	9159.3	9130.1	9105.6	9081.2	9022.4	8983.4	8929.6	8880.7
30°	8577.4	8572.6	8557.9	8543.2	8562.7	8562.7	8562.7	8553.0	8518.8	8479.6	8445.4
32.5°	7711.9	7721.7	7741.3	7756.0	7795.0	7839.1	7878.1	7897.7	7897.7	7873.3	7858.6
35°	6680.1	6694.8	6724.2	6763.2	6812.1	6865.9	6953.8	6973.6	6988.0	6988.0	6968.5
37.5°	5609.0	5604.2	5633.6	5667.8	5697.2	5736.2	5799.9	5814.5	5838.9	5829.2	5809.5
40°	4567.4	4543.0	4533.2	4543.0	4577.2	4562.5	4577.2	4567.4	4567.4	4533.2	4533.2
42.5°	3604.0	3574.8	3555.1	3540.6	3540.6	3506.2	3481.8	3457.5	3442.8	3418.2	3413.4
45°	2777.7	2743.3	2719.0	2709.1	2694.6	2650.5	2621.1	2591.8	2557.5	2547.9	2552.7
47.5°	2156.6	2122.4	2112.5	2088.1	2063.6	2039.2	2019.7	1985.5	1980.5	1960.9	1980.5
50°	1662.6	1653.0	1638.3	1628.4	1613.7	1594.2	1574.7	1555.1	1545.3	1545.3	1550.1
52.5°	1291.0	1295.9	1281.2	1266.5	1256.8	1256.8	1232.3	1227.4	1227.4	1207.9	1227.4
55°	987.9	982.9	987.9	978.0	978.0	963.4	963.4	948.7	948.7	934.0	943.8
57.5°	723.8	733.5	723.8	728.7	738.5	723.8	718.8	704.1	714.0	704.1	709.1
60°	562.4	562.4	562.4	557.6	557.6	552.5	552.5	547.7	547.7	537.8	547.7
62.5°	415.7	420.5	420.5	420.5	425.5	420.5	415.7	420.5	415.7	415.7	420.5
65°	274.0	278.8	278.8	274.0	283.6	274.0	278.8	283.6	288.4	283.6	288.4
67.5°	185.8	185.8	190.8	195.6	190.8	195.6	200.5	195.6	200.5	210.3	200.5
70°	136.9	141.9	141.9	136.9	132.0	136.9	132.0	146.7	146.7	146.7	156.4
72.5°	88.0	88.0	83.1	83.1	83.1	83.1	83.1	97.8	88.0	83.1	93.0
75°	48.9	53.7	53.7	39.0	44.1	53.7	39.0	44.1	58.8	48.9	58.8
77.5°	29.4	29.4	29.4	29.4	29.4	29.4	39.0	34.2	34.2	34.2	39.0
80°	24.4	19.5	19.5	14.7	19.5	19.5	19.5	29.4	24.4	24.4	29.4
82.5°	9.9	9.9	4.8	0.0	9.9	9.9	9.9	9.9	9.9	9.9	19.5
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	9.9	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: P248792

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	10005.3	10005.3	10000.5	9990.8	9971.1	9971.1	9966.3	9951.6	9941.9	9936.9	9936.9
5°	9956.4	9936.9	9917.4	9863.6	9863.6	9853.8	9824.6	9804.8	9795.2	9770.6	9761.0
7.5°	9912.5	9853.8	9819.5	9785.3	9741.4	9721.7	9687.5	9672.8	9638.6	9614.2	9599.5
10°	9804.8	9765.8	9721.7	9668.0	9633.7	9594.7	9555.4	9526.3	9482.2	9457.6	9438.1
12.5°	9731.6	9672.8	9633.7	9575.0	9516.4	9482.2	9428.4	9394.2	9350.1	9301.2	9271.8
15°	9663.1	9599.5	9545.8	9482.2	9418.6	9379.5	9315.9	9276.9	9213.3	9164.3	9130.1
17.5°	9560.5	9506.5	9448.0	9369.7	9311.1	9262.2	9193.5	9144.8	9086.0	9022.4	8988.2
20°	9452.8	9389.2	9330.6	9252.3	9193.5	9135.0	9066.5	9012.8	8944.1	8885.6	8846.5
22.5°	9311.1	9237.6	9188.7	9110.4	9042.0	8978.6	8915.0	8851.3	8787.7	8738.8	8694.7
25°	9105.6	9027.3	8973.5	8909.9	8846.5	8797.6	8719.3	8680.3	8616.6	8572.6	8528.5
27.5°	8812.1	8753.5	8704.6	8641.0	8587.3	8548.2	8489.4	8450.4	8396.4	8357.4	8323.2
30°	8382.0	8333.0	8289.0	8225.3	8186.3	8152.1	8098.1	8063.9	8024.9	7980.8	7971.1
32.5°	7804.9	7765.6	7721.7	7677.7	7648.3	7628.7	7584.7	7565.1	7526.1	7501.5	7477.2
35°	6934.3	6900.1	6875.7	6856.2	6846.3	6851.2	6841.5	6861.0	6870.7	6865.9	6870.7
37.5°	5795.0	5775.3	5785.2	5799.9	5848.8	5912.4	5970.9	6058.9	6117.7	6176.5	6230.2
40°	4523.5	4538.2	4577.2	4665.2	4792.4	4934.3	5066.4	5232.6	5398.9	5516.2	5623.7
42.5°	3413.4	3457.5	3555.1	3682.3	3873.1	4083.3	4288.8	4533.2	4733.8	4929.3	5066.4
45°	2567.4	2626.0	2753.2	2929.3	3139.5	3384.0	3643.3	3917.0	4156.8	4357.2	4508.8
47.5°	2000.2	2053.9	2181.1	2366.9	2626.0	2880.4	3149.3	3432.9	3682.3	3878.0	4010.0
50°	1579.5	1647.9	1760.4	1956.1	2215.4	2484.3	2763.1	3041.6	3276.5	3442.8	3560.1
52.5°	1242.1	1305.7	1413.2	1618.7	1882.8	2151.7	2410.8	2684.8	2890.1	3051.5	3129.8
55°	963.4	1022.1	1134.4	1305.7	1555.1	1819.2	2078.3	2313.2	2503.8	2621.1	2694.6
57.5°	733.5	777.6	855.9	1027.0	1252.0	1496.4	1716.6	1951.3	2098.0	2181.1	2229.8
60°	557.6	591.8	674.9	807.0	1012.3	1222.6	1408.4	1584.5	1701.9	1770.3	1819.2
62.5°	420.5	459.7	518.3	630.8	787.2	958.5	1114.9	1247.0	1344.8	1388.9	1423.1
65°	288.4	317.8	361.9	449.9	581.9	704.1	826.5	924.3	987.9	1036.8	1056.3
67.5°	215.2	234.7	259.3	327.7	420.5	518.3	601.4	669.9	738.5	758.0	792.3
70°	161.4	176.1	200.5	249.4	303.1	371.6	440.2	479.3	528.2	562.4	572.3
72.5°	102.7	107.5	132.0	161.4	205.3	249.4	293.5	327.7	357.1	376.6	386.3
75°	58.8	88.0	88.0	117.3	146.7	166.3	195.6	220.0	234.7	249.4	249.4
77.5°	39.0	53.7	58.8	73.3	88.0	112.5	136.9	151.6	166.3	171.1	171.1
80°	34.2	39.0	39.0	53.7	63.6	83.1	97.8	102.7	112.5	117.3	127.2
82.5°	14.7	19.5	24.4	39.0	44.1	44.1	58.8	63.6	73.3	78.3	78.3
85°	4.8	9.9	9.9	14.7	24.4	29.4	34.2	39.0	44.1	44.1	48.9
87.5°	4.8	4.8	0.0	4.8	9.9	9.9	19.5	19.5	19.5	29.4	29.4
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: P248792

CATALOG NUMBER: LD8B175D010 ER8B175840 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2	10015.2
2.5°	9927.2	9932.1	9912.5	9907.7	9897.8	9902.7	9912.5
5°	9746.3	9751.1	9731.6	9712.0	9712.0	9707.0	9712.0
7.5°	9575.0	9580.0	9550.6	9540.8	9521.2	9526.3	9526.3
10°	9403.9	9403.9	9360.0	9355.0	9340.3	9335.4	9335.4
12.5°	9237.6	9222.9	9188.7	9169.2	9179.0	9149.7	9149.7
15°	9090.9	9066.5	9022.4	9007.7	8983.4	8973.5	8973.5
17.5°	8939.3	8919.8	8880.7	8851.3	8822.0	8817.1	8822.0
20°	8792.6	8773.0	8724.1	8704.6	8680.3	8680.3	8670.4
22.5°	8645.8	8626.3	8582.4	8567.7	8533.5	8533.5	8538.3
25°	8494.3	8479.6	8430.7	8421.0	8416.2	8396.4	8406.3
27.5°	8289.0	8279.1	8240.0	8225.3	8205.8	8201.0	8210.7
30°	7912.4	7897.7	7868.5	7853.8	7819.6	7824.4	7834.0
32.5°	7443.0	7423.4	7384.2	7369.5	7340.3	7330.4	7335.3
35°	6856.2	6841.5	6807.3	6807.3	6777.9	6768.0	6777.9
37.5°	6259.6	6274.1	6259.6	6274.1	6259.6	6254.6	6259.6
40°	5697.2	5750.9	5760.6	5814.5	5795.0	5824.2	5819.4
42.5°	5159.2	5247.1	5281.5	5325.4	5315.8	5335.3	5350.0
45°	4616.3	4689.8	4724.0	4753.4	4758.2	4768.1	4772.9
47.5°	4102.8	4161.6	4166.4	4200.6	4195.8	4195.8	4210.5
50°	3623.8	3662.8	3672.5	3697.0	3677.5	3667.6	3672.5
52.5°	3178.7	3217.8	3207.9	3217.8	3193.4	3183.5	3188.4
55°	2723.8	2743.3	2743.3	2743.3	2714.1	2714.1	2714.1
57.5°	2259.2	2264.3	2254.4	2259.2	2254.4	2225.0	2220.2
60°	1833.9	1833.9	1828.9	1833.9	1819.2	1804.5	1804.5
62.5°	1432.8	1442.6	1462.1	1442.6	1432.8	1442.6	1427.9
65°	1071.0	1090.6	1085.5	1095.4	1090.6	1090.6	1080.7
67.5°	807.0	811.8	816.6	821.6	821.6	821.6	821.6
70°	591.8	606.5	601.4	601.4	601.4	601.4	630.8
72.5°	396.1	415.7	410.8	420.5	420.5	430.3	420.5
75°	268.9	288.4	278.8	293.5	288.4	278.8	303.1
77.5°	181.0	190.8	195.6	200.5	195.6	190.8	195.6
80°	127.2	136.9	132.0	136.9	136.9	136.9	141.9
82.5°	78.3	93.0	88.0	93.0	88.0	93.0	93.0
85°	53.7	58.8	48.9	58.8	53.7	53.7	63.6
87.5°	34.2	29.4	29.4	34.2	29.4	34.2	29.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)