

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: P248639

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248639
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 ER8B1759727 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12776.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

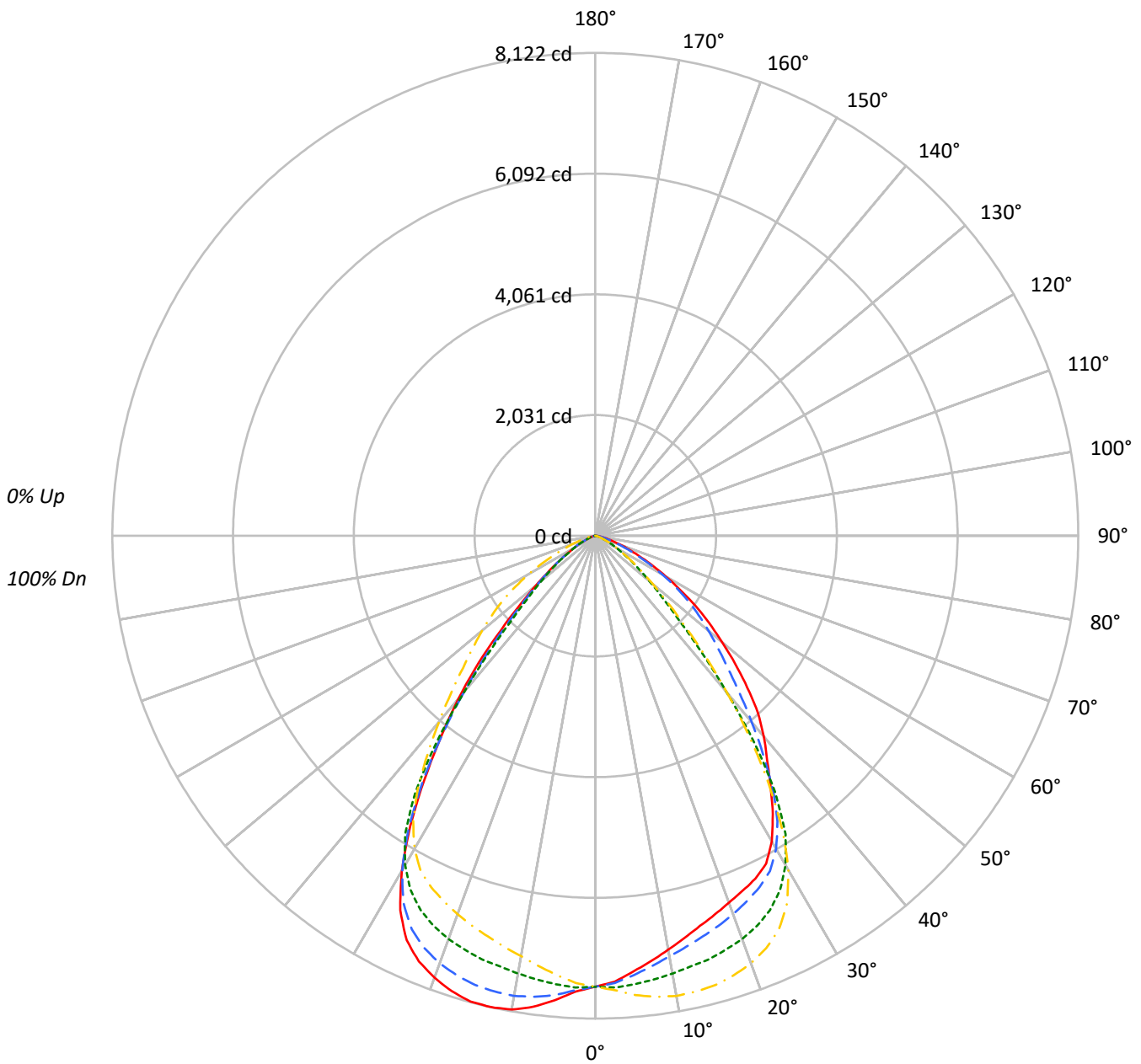
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.9	5.7
10°-20°	2090.5	16.4
20°-30°	3165.5	24.8
30°-40°	3172.6	24.8
40°-50°	1992.3	15.6
50°-60°	1061.7	8.3
60°-70°	436.6	3.4
70°-80°	115.3	0.9
80°-90°	19.5	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°	5978.0	46.8
0°-40°	9150.6	71.6
0°-60°	12204.6	95.5
0°-90°	12776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12776.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7585	7585	7585	7585	7585	
5°	7355	7574	7844	7574	7355	694
15°	6796	7377	8111	7377	6796	1922
25°	6366	6948	7507	6948	6366	2920
35°	5133	5277	5007	5277	5133	3216
45°	3615	1933	2237	1933	3615	2780
55°	2056	715	756	715	2056	1833
65°	818	218	200	218	818	849
75°	230	44	37	44	230	260
85°	48	0	4	0	48	53
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°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7507.0	7499.5	7495.8	7503.3	7507.0	7521.7	7518.1	7525.4	7525.4	7529.2	7536.5
5°	7355.1	7351.3	7355.1	7355.1	7369.9	7384.7	7381.0	7392.2	7399.5	7418.1	7425.4
7.5°	7214.4	7214.4	7210.6	7225.4	7232.9	7255.1	7251.3	7269.9	7281.1	7299.5	7325.4
10°	7069.9	7069.9	7073.6	7084.7	7088.5	7121.8	7121.8	7147.7	7162.5	7181.1	7214.4
12.5°	6929.2	6929.2	6951.5	6944.0	6958.8	6984.7	6995.8	7021.8	7044.0	7081.1	7114.4
15°	6795.8	6795.8	6803.3	6821.8	6832.9	6866.3	6884.7	6914.4	6940.4	6977.4	7025.6
17.5°	6681.1	6677.4	6681.1	6703.3	6725.6	6755.1	6769.9	6807.0	6832.9	6881.1	6925.6
20°	6566.3	6573.7	6573.7	6592.2	6607.0	6644.0	6658.8	6699.7	6729.2	6773.6	6825.6
22.5°	6466.3	6462.6	6462.6	6488.5	6499.7	6532.9	6547.7	6584.7	6618.1	6655.1	6703.3
25°	6366.3	6358.8	6373.7	6377.4	6384.7	6421.8	6432.9	6458.8	6492.2	6525.6	6573.7
27.5°	6218.1	6210.8	6214.4	6229.2	6240.4	6269.9	6277.4	6303.3	6329.2	6358.8	6399.7
30°	5932.9	5925.6	5921.9	5947.8	5959.0	5981.1	5992.2	6036.7	6044.0	6077.4	6107.0
32.5°	5555.1	5551.5	5559.0	5581.1	5592.2	5621.9	5636.7	5662.6	5681.1	5699.7	5729.2
35°	5133.0	5125.6	5133.0	5155.3	5155.3	5181.2	5192.3	5203.3	5199.7	5203.3	5196.0
37.5°	4740.5	4736.7	4740.5	4751.5	4740.5	4751.5	4740.5	4718.3	4677.6	4633.0	4588.5
40°	4407.1	4410.8	4388.7	4403.5	4362.6	4355.3	4314.6	4259.0	4177.6	4088.7	3962.8
42.5°	4051.7	4040.5	4025.7	4033.1	3999.8	3973.8	3907.1	3836.9	3733.1	3585.0	3433.1
45°	3614.6	3611.0	3603.5	3599.8	3577.6	3551.7	3496.0	3414.6	3299.8	3148.0	2966.4
47.5°	3188.7	3177.6	3177.6	3181.2	3155.3	3151.7	3107.1	3036.9	2936.9	2788.7	2599.8
50°	2781.2	2777.6	2785.0	2799.8	2781.2	2773.9	2744.3	2696.2	2607.3	2481.4	2303.5
52.5°	2414.6	2411.0	2418.4	2436.9	2429.4	2436.9	2407.3	2370.3	2311.0	2188.7	2033.2
55°	2055.5	2055.5	2055.5	2077.6	2077.6	2077.6	2062.8	2040.7	1985.0	1896.2	1751.8
57.5°	1681.4	1685.0	1707.3	1711.0	1707.3	1714.8	1711.0	1688.7	1651.8	1588.9	1477.7
60°	1366.6	1366.6	1377.7	1388.9	1385.1	1388.9	1388.9	1377.7	1340.7	1288.9	1200.0
62.5°	1081.4	1092.5	1085.1	1092.5	1107.3	1092.5	1085.1	1077.7	1051.8	1018.4	944.4
65°	818.4	825.9	825.9	829.6	822.1	825.9	811.1	800.0	785.2	748.2	700.0
67.5°	622.3	622.3	622.3	622.3	618.4	614.8	611.1	600.0	574.1	559.3	507.3
70°	477.7	455.5	455.5	455.5	455.5	459.3	448.2	433.4	425.9	400.0	363.0
72.5°	318.4	325.9	318.4	318.4	311.1	314.8	300.0	292.5	285.2	270.4	248.2
75°	229.6	211.1	218.4	222.3	211.1	218.4	203.7	188.9	188.9	177.7	166.6
77.5°	148.2	144.5	148.2	151.8	148.2	144.5	137.0	129.6	129.6	125.9	114.8
80°	107.5	103.7	103.7	103.7	100.0	103.7	96.3	96.3	88.9	85.2	77.7
82.5°	70.4	70.4	66.6	70.4	66.6	70.4	59.3	59.3	59.3	55.5	48.2
85°	48.2	40.7	40.7	44.5	37.0	44.5	40.7	37.0	33.4	33.4	29.6
87.5°	22.3	25.9	22.3	25.9	22.3	22.3	25.9	22.3	22.3	14.8	14.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7547.7	7551.3	7551.3	7566.3	7573.6	7577.2	7577.2	7607.0	7595.8	7603.3	7610.6
5°	7440.3	7462.5	7469.9	7469.9	7510.6	7525.4	7540.2	7573.6	7577.2	7599.5	7625.4
7.5°	7336.5	7362.5	7377.4	7410.6	7436.5	7462.5	7507.0	7529.2	7551.3	7581.0	7614.3
10°	7236.5	7266.3	7295.8	7321.8	7362.5	7395.8	7425.4	7477.2	7503.3	7544.0	7588.4
12.5°	7140.3	7181.1	7207.0	7251.3	7295.8	7325.4	7369.9	7418.1	7458.8	7499.5	7551.3
15°	7055.1	7103.3	7132.9	7181.1	7229.2	7269.9	7318.1	7377.4	7407.0	7455.1	7503.3
17.5°	6962.5	7014.4	7051.5	7095.8	7155.1	7199.5	7240.3	7299.5	7336.5	7388.4	7444.0
20°	6866.3	6918.1	6962.5	7007.0	7066.3	7110.6	7158.8	7218.1	7258.8	7310.6	7355.1
22.5°	6751.5	6799.7	6847.7	6899.5	6958.8	6995.8	7051.5	7103.3	7147.7	7195.8	7240.3
25°	6603.3	6662.6	6699.7	6747.7	6795.8	6836.5	6895.8	6947.7	6984.7	7029.2	7069.9
27.5°	6429.2	6473.7	6503.3	6544.0	6592.2	6629.2	6673.6	6725.6	6762.6	6803.3	6832.9
30°	6132.9	6173.7	6199.7	6229.2	6277.4	6310.8	6347.8	6395.8	6421.8	6451.5	6477.4
32.5°	5744.0	5777.4	5792.2	5814.4	5847.8	5881.1	5910.8	5951.5	5962.6	5981.1	5981.1
35°	5181.2	5188.5	5184.9	5192.3	5207.1	5225.6	5251.5	5277.4	5292.2	5292.2	5281.2
37.5°	4521.9	4477.6	4429.4	4392.3	4381.2	4373.8	4388.7	4399.7	4414.6	4421.9	4403.5
40°	3836.9	3736.9	3629.4	3533.1	3466.4	3436.9	3425.7	3433.1	3433.1	3459.0	3459.0
42.5°	3248.0	3092.4	2933.2	2788.7	2692.4	2618.4	2585.0	2585.0	2588.7	2607.3	2618.4
45°	2759.1	2562.8	2377.6	2218.4	2085.0	1988.7	1944.3	1933.2	1929.6	1936.9	1962.8
47.5°	2385.0	2181.4	1988.7	1792.5	1651.8	1555.5	1514.8	1499.8	1485.1	1499.8	1503.6
50°	2092.5	1881.4	1677.7	1481.4	1333.2	1248.0	1196.2	1173.9	1170.3	1170.3	1177.7
52.5°	1825.8	1629.6	1425.9	1225.9	1070.3	988.9	940.7	929.6	914.8	929.6	929.6
55°	1573.9	1377.7	1177.7	988.9	859.1	774.1	729.6	714.8	707.3	718.4	718.4
57.5°	1300.0	1133.2	948.2	777.7	648.2	588.9	555.5	537.0	533.2	540.7	533.2
60°	1066.6	925.9	766.6	611.1	511.1	448.2	422.3	414.8	407.3	414.8	414.8
62.5°	844.4	725.9	596.2	477.7	392.5	348.2	318.4	318.4	314.8	314.8	318.4
65°	625.9	533.2	440.7	340.7	274.1	240.7	218.4	218.4	214.8	218.4	214.8
67.5°	455.5	392.5	318.4	248.2	196.3	177.7	163.0	151.8	159.3	151.8	148.2
70°	333.4	281.4	229.6	188.9	151.8	133.4	122.3	118.4	111.1	111.1	111.1
72.5°	222.3	188.9	155.5	122.3	100.0	81.4	77.7	70.4	63.0	66.6	74.1
75°	148.2	125.9	111.1	88.9	66.6	66.6	44.5	44.5	37.0	44.5	33.4
77.5°	103.7	85.2	66.6	55.5	44.5	40.7	29.6	29.6	25.9	25.9	25.9
80°	74.1	63.0	48.2	40.7	29.6	29.6	25.9	22.3	18.4	18.4	22.3
82.5°	44.5	33.4	33.4	29.6	18.4	14.8	11.1	14.8	7.5	7.5	7.5
85°	25.9	22.3	18.4	11.1	7.5	7.5	3.7	0.0	3.7	3.7	0.0
87.5°	14.8	7.5	7.5	3.7	0.0	3.7	3.7	0.0	0.0	0.0	7.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7629.2	7625.4	7632.9	7632.9	7655.1	7651.3	7662.5	7662.5	7655.1	7658.8	7673.6
5°	7655.1	7666.3	7688.4	7707.0	7740.2	7755.1	7773.6	7792.2	7795.8	7807.0	7818.1
7.5°	7655.1	7692.2	7718.1	7751.3	7795.8	7821.7	7862.4	7895.8	7910.6	7929.1	7951.3
10°	7640.2	7677.2	7725.4	7762.4	7818.1	7858.8	7899.5	7951.3	7973.6	8003.1	8032.9
12.5°	7610.6	7651.3	7703.2	7751.3	7814.3	7851.3	7903.1	7951.3	7984.7	8025.4	8058.8
15°	7566.3	7614.3	7662.5	7710.6	7777.2	7821.7	7869.9	7925.4	7958.8	8003.1	8032.9
17.5°	7495.8	7547.7	7592.2	7636.5	7699.5	7751.3	7795.8	7847.7	7881.0	7918.1	7958.8
20°	7410.6	7458.8	7507.0	7544.0	7607.0	7651.3	7699.5	7747.7	7773.6	7781.0	7844.0
22.5°	7303.3	7336.5	7373.6	7432.9	7469.9	7510.6	7555.1	7599.5	7625.4	7666.3	7688.4
25°	7125.4	7158.8	7199.5	7225.4	7269.9	7303.3	7347.7	7395.8	7410.6	7440.3	7462.5
27.5°	6877.4	6895.8	6914.4	6936.5	6962.5	6981.1	7007.0	7029.2	7044.0	7058.8	7073.6
30°	6484.7	6484.7	6484.7	6469.9	6481.1	6492.2	6495.8	6492.2	6492.2	6488.5	6488.5
32.5°	5966.3	5936.7	5903.3	5873.7	5862.6	5847.8	5840.4	5829.2	5810.8	5799.7	5803.3
35°	5266.3	5199.7	5159.0	5121.9	5092.3	5070.1	5059.0	5047.8	5044.2	5029.4	5014.4
37.5°	4392.3	4344.2	4314.6	4292.4	4266.4	4244.2	4247.8	4251.6	4262.6	4255.3	4259.0
40°	3466.4	3455.3	3466.4	3440.5	3433.1	3440.5	3459.0	3485.0	3499.8	3514.6	3540.5
42.5°	2636.9	2655.3	2681.4	2681.4	2692.4	2707.3	2729.4	2770.3	2792.4	2818.3	2848.0
45°	1985.0	2007.3	2040.7	2051.7	2059.1	2077.6	2103.6	2136.9	2151.7	2173.9	2199.8
47.5°	1529.6	1544.3	1562.8	1581.4	1599.8	1607.3	1633.2	1633.2	1651.8	1666.6	1673.9
50°	1192.5	1207.3	1222.1	1233.2	1240.7	1251.8	1259.1	1270.3	1273.9	1281.4	1285.1
52.5°	933.2	951.8	951.8	959.1	970.3	981.4	977.7	981.4	985.1	985.1	996.2
55°	729.6	729.6	740.7	740.7	748.2	744.4	748.2	748.2	748.2	748.2	751.8
57.5°	544.4	548.2	559.3	551.8	548.2	555.5	548.2	555.5	551.8	559.3	548.2
60°	418.4	418.4	422.3	422.3	425.9	425.9	425.9	422.3	422.3	418.4	418.4
62.5°	314.8	318.4	322.3	318.4	318.4	318.4	314.8	314.8	311.1	307.3	307.3
65°	211.1	207.5	214.8	207.5	211.1	211.1	207.5	211.1	200.0	203.7	200.0
67.5°	151.8	148.2	144.5	148.2	144.5	140.7	140.7	144.5	148.2	137.0	137.0
70°	100.0	103.7	100.0	103.7	107.5	107.5	103.7	100.0	103.7	96.3	100.0
72.5°	63.0	63.0	63.0	63.0	63.0	66.6	66.6	66.6	59.3	59.3	55.5
75°	29.6	40.7	33.4	29.6	40.7	40.7	37.0	37.0	33.4	33.4	33.4
77.5°	29.6	22.3	22.3	22.3	22.3	22.3	22.3	22.3	18.4	22.3	18.4
80°	14.8	14.8	14.8	11.1	14.8	14.8	18.4	14.8	14.8	11.1	18.4
82.5°	7.5	7.5	7.5	0.0	3.7	7.5	7.5	3.7	7.5	7.5	3.7
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: P248639

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7669.9	7666.3	7669.9	7673.6	7669.9	7666.3	7669.9	7673.6	7658.8	7655.1	7662.5
5°	7832.9	7832.9	7840.2	7844.0	7840.2	7832.9	7832.9	7818.1	7807.0	7795.8	7792.2
7.5°	7973.6	7981.0	7988.4	7992.0	7988.4	7981.0	7973.6	7951.3	7929.1	7910.6	7895.8
10°	8058.8	8069.9	8084.7	8092.0	8084.7	8069.9	8058.8	8032.9	8003.1	7973.6	7951.3
12.5°	8095.8	8107.0	8125.4	8121.7	8125.4	8107.0	8095.8	8058.8	8025.4	7984.7	7951.3
15°	8069.9	8084.7	8103.1	8110.6	8103.1	8084.7	8069.9	8032.9	8003.1	7958.8	7925.4
17.5°	7988.4	8010.6	8021.7	8032.9	8021.7	8010.6	7988.4	7958.8	7918.1	7881.0	7847.7
20°	7877.2	7892.2	7907.0	7910.6	7907.0	7892.2	7877.2	7844.0	7781.0	7773.6	7747.7
22.5°	7718.1	7729.2	7762.4	7751.3	7762.4	7729.2	7718.1	7688.4	7666.3	7625.4	7599.5
25°	7488.4	7499.5	7503.3	7507.0	7503.3	7499.5	7488.4	7462.5	7440.3	7410.6	7395.8
27.5°	7092.2	7092.2	7099.5	7103.3	7099.5	7092.2	7092.2	7073.6	7058.8	7044.0	7029.2
30°	6492.2	6492.2	6492.2	6510.8	6492.2	6492.2	6492.2	6488.5	6488.5	6492.2	6492.2
32.5°	5799.7	5792.2	5784.9	5792.2	5784.9	5792.2	5799.7	5803.3	5799.7	5810.8	5829.2
35°	5014.4	5010.8	5021.9	5007.1	5021.9	5010.8	5014.4	5014.4	5029.4	5044.2	5047.8
37.5°	4262.6	4255.3	4270.1	4255.3	4270.1	4255.3	4262.6	4259.0	4255.3	4262.6	4251.6
40°	3548.0	3555.3	3555.3	3585.0	3555.3	3555.3	3548.0	3540.5	3514.6	3499.8	3485.0
42.5°	2862.8	2885.0	2877.6	2899.8	2877.6	2885.0	2862.8	2848.0	2818.3	2792.4	2770.3
45°	2214.6	2229.6	2229.6	2236.9	2229.6	2229.6	2214.6	2199.8	2173.9	2151.7	2136.9
47.5°	1699.8	1699.8	1699.8	1703.6	1699.8	1699.8	1699.8	1673.9	1666.6	1651.8	1633.2
50°	1292.5	1296.2	1300.0	1303.7	1300.0	1296.2	1292.5	1285.1	1281.4	1273.9	1270.3
52.5°	992.5	996.2	988.9	996.2	988.9	996.2	992.5	996.2	985.1	985.1	981.4
55°	751.8	748.2	751.8	755.5	751.8	748.2	751.8	751.8	748.2	748.2	748.2
57.5°	551.8	544.4	544.4	544.4	544.4	544.4	551.8	548.2	559.3	551.8	555.5
60°	411.1	414.8	414.8	418.4	414.8	414.8	411.1	418.4	418.4	422.3	422.3
62.5°	303.7	314.8	307.3	314.8	307.3	314.8	303.7	307.3	307.3	311.1	314.8
65°	196.3	196.3	196.3	200.0	196.3	196.3	196.3	200.0	203.7	200.0	211.1
67.5°	133.4	137.0	144.5	140.7	144.5	137.0	133.4	137.0	137.0	148.2	144.5
70°	107.5	96.3	96.3	107.5	96.3	96.3	107.5	100.0	96.3	103.7	100.0
72.5°	63.0	55.5	63.0	63.0	63.0	55.5	63.0	55.5	59.3	59.3	66.6
75°	33.4	29.6	25.9	37.0	25.9	29.6	33.4	33.4	33.4	33.4	37.0
77.5°	22.3	18.4	25.9	25.9	25.9	18.4	22.3	18.4	22.3	18.4	22.3
80°	11.1	14.8	11.1	18.4	11.1	14.8	11.1	18.4	11.1	14.8	14.8
82.5°	3.7	7.5	7.5	7.5	7.5	7.5	3.7	3.7	7.5	7.5	3.7
85°	0.0	7.5	3.7	3.7	3.7	7.5	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	0.0	0.0	3.7	0.0	0.0	3.7	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: P248639

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7662.5	7651.3	7655.1	7632.9	7632.9	7625.4	7629.2	7610.6	7603.3	7595.8	7607.0
5°	7773.6	7755.1	7740.2	7707.0	7688.4	7666.3	7655.1	7625.4	7599.5	7577.2	7573.6
7.5°	7862.4	7821.7	7795.8	7751.3	7718.1	7692.2	7655.1	7614.3	7581.0	7551.3	7529.2
10°	7899.5	7858.8	7818.1	7762.4	7725.4	7677.2	7640.2	7588.4	7544.0	7503.3	7477.2
12.5°	7903.1	7851.3	7814.3	7751.3	7703.2	7651.3	7610.6	7551.3	7499.5	7458.8	7418.1
15°	7869.9	7821.7	7777.2	7710.6	7662.5	7614.3	7566.3	7503.3	7455.1	7407.0	7377.4
17.5°	7795.8	7751.3	7699.5	7636.5	7592.2	7547.7	7495.8	7444.0	7388.4	7336.5	7299.5
20°	7699.5	7651.3	7607.0	7544.0	7507.0	7458.8	7410.6	7355.1	7310.6	7258.8	7218.1
22.5°	7555.1	7510.6	7469.9	7432.9	7373.6	7336.5	7303.3	7240.3	7195.8	7147.7	7103.3
25°	7347.7	7303.3	7269.9	7225.4	7199.5	7158.8	7125.4	7069.9	7029.2	6984.7	6947.7
27.5°	7007.0	6981.1	6962.5	6936.5	6914.4	6895.8	6877.4	6832.9	6803.3	6762.6	6725.6
30°	6495.8	6492.2	6481.1	6469.9	6484.7	6484.7	6484.7	6477.4	6451.5	6421.8	6395.8
32.5°	5840.4	5847.8	5862.6	5873.7	5903.3	5936.7	5966.3	5981.1	5981.1	5962.6	5951.5
35°	5059.0	5070.1	5092.3	5121.9	5159.0	5199.7	5266.3	5281.2	5292.2	5292.2	5277.4
37.5°	4247.8	4244.2	4266.4	4292.4	4314.6	4344.2	4392.3	4403.5	4421.9	4414.6	4399.7
40°	3459.0	3440.5	3433.1	3440.5	3466.4	3455.3	3466.4	3459.0	3459.0	3433.1	3433.1
42.5°	2729.4	2707.3	2692.4	2681.4	2681.4	2655.3	2636.9	2618.4	2607.3	2588.7	2585.0
45°	2103.6	2077.6	2059.1	2051.7	2040.7	2007.3	1985.0	1962.8	1936.9	1929.6	1933.2
47.5°	1633.2	1607.3	1599.8	1581.4	1562.8	1544.3	1529.6	1503.6	1499.8	1485.1	1499.8
50°	1259.1	1251.8	1240.7	1233.2	1222.1	1207.3	1192.5	1177.7	1170.3	1170.3	1173.9
52.5°	977.7	981.4	970.3	959.1	951.8	951.8	933.2	929.6	929.6	914.8	929.6
55°	748.2	744.4	748.2	740.7	740.7	729.6	729.6	718.4	718.4	707.3	714.8
57.5°	548.2	555.5	548.2	551.8	559.3	548.2	544.4	533.2	540.7	533.2	537.0
60°	425.9	425.9	425.9	422.3	422.3	418.4	418.4	414.8	414.8	407.3	414.8
62.5°	314.8	318.4	318.4	318.4	322.3	318.4	314.8	318.4	314.8	314.8	318.4
65°	207.5	211.1	211.1	207.5	214.8	207.5	211.1	214.8	218.4	214.8	218.4
67.5°	140.7	140.7	144.5	148.2	144.5	148.2	151.8	148.2	151.8	159.3	151.8
70°	103.7	107.5	107.5	103.7	100.0	103.7	100.0	111.1	111.1	111.1	118.4
72.5°	66.6	66.6	63.0	63.0	63.0	63.0	63.0	74.1	66.6	63.0	70.4
75°	37.0	40.7	40.7	29.6	33.4	40.7	29.6	33.4	44.5	37.0	44.5
77.5°	22.3	22.3	22.3	22.3	22.3	22.3	29.6	25.9	25.9	25.9	29.6
80°	18.4	14.8	14.8	11.1	14.8	14.8	14.8	22.3	18.4	18.4	22.3
82.5°	7.5	7.5	3.7	0.0	7.5	7.5	7.5	7.5	7.5	7.5	14.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	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: P248639

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7577.2	7577.2	7573.6	7566.3	7551.3	7551.3	7547.7	7536.5	7529.2	7525.4	7525.4
5°	7540.2	7525.4	7510.6	7469.9	7469.9	7462.5	7440.3	7425.4	7418.1	7399.5	7392.2
7.5°	7507.0	7462.5	7436.5	7410.6	7377.4	7362.5	7336.5	7325.4	7299.5	7281.1	7269.9
10°	7425.4	7395.8	7362.5	7321.8	7295.8	7266.3	7236.5	7214.4	7181.1	7162.5	7147.7
12.5°	7369.9	7325.4	7295.8	7251.3	7207.0	7181.1	7140.3	7114.4	7081.1	7044.0	7021.8
15°	7318.1	7269.9	7229.2	7181.1	7132.9	7103.3	7055.1	7025.6	6977.4	6940.4	6914.4
17.5°	7240.3	7199.5	7155.1	7095.8	7051.5	7014.4	6962.5	6925.6	6881.1	6832.9	6807.0
20°	7158.8	7110.6	7066.3	7007.0	6962.5	6918.1	6866.3	6825.6	6773.6	6729.2	6699.7
22.5°	7051.5	6995.8	6958.8	6899.5	6847.7	6799.7	6751.5	6703.3	6655.1	6618.1	6584.7
25°	6895.8	6836.5	6795.8	6747.7	6699.7	6662.6	6603.3	6573.7	6525.6	6492.2	6458.8
27.5°	6673.6	6629.2	6592.2	6544.0	6503.3	6473.7	6429.2	6399.7	6358.8	6329.2	6303.3
30°	6347.8	6310.8	6277.4	6229.2	6199.7	6173.7	6132.9	6107.0	6077.4	6044.0	6036.7
32.5°	5910.8	5881.1	5847.8	5814.4	5792.2	5777.4	5744.0	5729.2	5699.7	5681.1	5662.6
35°	5251.5	5225.6	5207.1	5192.3	5184.9	5188.5	5181.2	5196.0	5203.3	5199.7	5203.3
37.5°	4388.7	4373.8	4381.2	4392.3	4429.4	4477.6	4521.9	4588.5	4633.0	4677.6	4718.3
40°	3425.7	3436.9	3466.4	3533.1	3629.4	3736.9	3836.9	3962.8	4088.7	4177.6	4259.0
42.5°	2585.0	2618.4	2692.4	2788.7	2933.2	3092.4	3248.0	3433.1	3585.0	3733.1	3836.9
45°	1944.3	1988.7	2085.0	2218.4	2377.6	2562.8	2759.1	2966.4	3148.0	3299.8	3414.6
47.5°	1514.8	1555.5	1651.8	1792.5	1988.7	2181.4	2385.0	2599.8	2788.7	2936.9	3036.9
50°	1196.2	1248.0	1333.2	1481.4	1677.7	1881.4	2092.5	2303.5	2481.4	2607.3	2696.2
52.5°	940.7	988.9	1070.3	1225.9	1425.9	1629.6	1825.8	2033.2	2188.7	2311.0	2370.3
55°	729.6	774.1	859.1	988.9	1177.7	1377.7	1573.9	1751.8	1896.2	1985.0	2040.7
57.5°	555.5	588.9	648.2	777.7	948.2	1133.2	1300.0	1477.7	1588.9	1651.8	1688.7
60°	422.3	448.2	511.1	611.1	766.6	925.9	1066.6	1200.0	1288.9	1340.7	1377.7
62.5°	318.4	348.2	392.5	477.7	596.2	725.9	844.4	944.4	1018.4	1051.8	1077.7
65°	218.4	240.7	274.1	340.7	440.7	533.2	625.9	700.0	748.2	785.2	800.0
67.5°	163.0	177.7	196.3	248.2	318.4	392.5	455.5	507.3	559.3	574.1	600.0
70°	122.3	133.4	151.8	188.9	229.6	281.4	333.4	363.0	400.0	425.9	433.4
72.5°	77.7	81.4	100.0	122.3	155.5	188.9	222.3	248.2	270.4	285.2	292.5
75°	44.5	66.6	66.6	88.9	111.1	125.9	148.2	166.6	177.7	188.9	188.9
77.5°	29.6	40.7	44.5	55.5	66.6	85.2	103.7	114.8	125.9	129.6	129.6
80°	25.9	29.6	29.6	40.7	48.2	63.0	74.1	77.7	85.2	88.9	96.3
82.5°	11.1	14.8	18.4	29.6	33.4	33.4	44.5	48.2	55.5	59.3	59.3
85°	3.7	7.5	7.5	11.1	18.4	22.3	25.9	29.6	33.4	33.4	37.0
87.5°	3.7	3.7	0.0	3.7	7.5	7.5	14.8	14.8	14.8	22.3	22.3
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: P248639

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSWOH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7	7584.7
2.5°	7518.1	7521.7	7507.0	7503.3	7495.8	7499.5	7507.0
5°	7381.0	7384.7	7369.9	7355.1	7355.1	7351.3	7355.1
7.5°	7251.3	7255.1	7232.9	7225.4	7210.6	7214.4	7214.4
10°	7121.8	7121.8	7088.5	7084.7	7073.6	7069.9	7069.9
12.5°	6995.8	6984.7	6958.8	6944.0	6951.5	6929.2	6929.2
15°	6884.7	6866.3	6832.9	6821.8	6803.3	6795.8	6795.8
17.5°	6769.9	6755.1	6725.6	6703.3	6681.1	6677.4	6681.1
20°	6658.8	6644.0	6607.0	6592.2	6573.7	6573.7	6566.3
22.5°	6547.7	6532.9	6499.7	6488.5	6462.6	6462.6	6466.3
25°	6432.9	6421.8	6384.7	6377.4	6373.7	6358.8	6366.3
27.5°	6277.4	6269.9	6240.4	6229.2	6214.4	6210.8	6218.1
30°	5992.2	5981.1	5959.0	5947.8	5921.9	5925.6	5932.9
32.5°	5636.7	5621.9	5592.2	5581.1	5559.0	5551.5	5555.1
35°	5192.3	5181.2	5155.3	5155.3	5133.0	5125.6	5133.0
37.5°	4740.5	4751.5	4740.5	4751.5	4740.5	4736.7	4740.5
40°	4314.6	4355.3	4362.6	4403.5	4388.7	4410.8	4407.1
42.5°	3907.1	3973.8	3999.8	4033.1	4025.7	4040.5	4051.7
45°	3496.0	3551.7	3577.6	3599.8	3603.5	3611.0	3614.6
47.5°	3107.1	3151.7	3155.3	3181.2	3177.6	3177.6	3188.7
50°	2744.3	2773.9	2781.2	2799.8	2785.0	2777.6	2781.2
52.5°	2407.3	2436.9	2429.4	2436.9	2418.4	2411.0	2414.6
55°	2062.8	2077.6	2077.6	2077.6	2055.5	2055.5	2055.5
57.5°	1711.0	1714.8	1707.3	1711.0	1707.3	1685.0	1681.4
60°	1388.9	1388.9	1385.1	1388.9	1377.7	1366.6	1366.6
62.5°	1085.1	1092.5	1107.3	1092.5	1085.1	1092.5	1081.4
65°	811.1	825.9	822.1	829.6	825.9	825.9	818.4
67.5°	611.1	614.8	618.4	622.3	622.3	622.3	622.3
70°	448.2	459.3	455.5	455.5	455.5	455.5	477.7
72.5°	300.0	314.8	311.1	318.4	318.4	325.9	318.4
75°	203.7	218.4	211.1	222.3	218.4	211.1	229.6
77.5°	137.0	144.5	148.2	151.8	148.2	144.5	148.2
80°	96.3	103.7	100.0	103.7	103.7	103.7	107.5
82.5°	59.3	70.4	66.6	70.4	66.6	70.4	70.4
85°	40.7	44.5	37.0	44.5	40.7	40.7	48.2
87.5°	25.9	22.3	22.3	25.9	22.3	25.9	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)