

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: P248855

Luminaire Tested: **LD8B175D010 ER8B1759727 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248855
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 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11824.0 lumens
Efficiency: N/A
Efficacy: 66.7 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

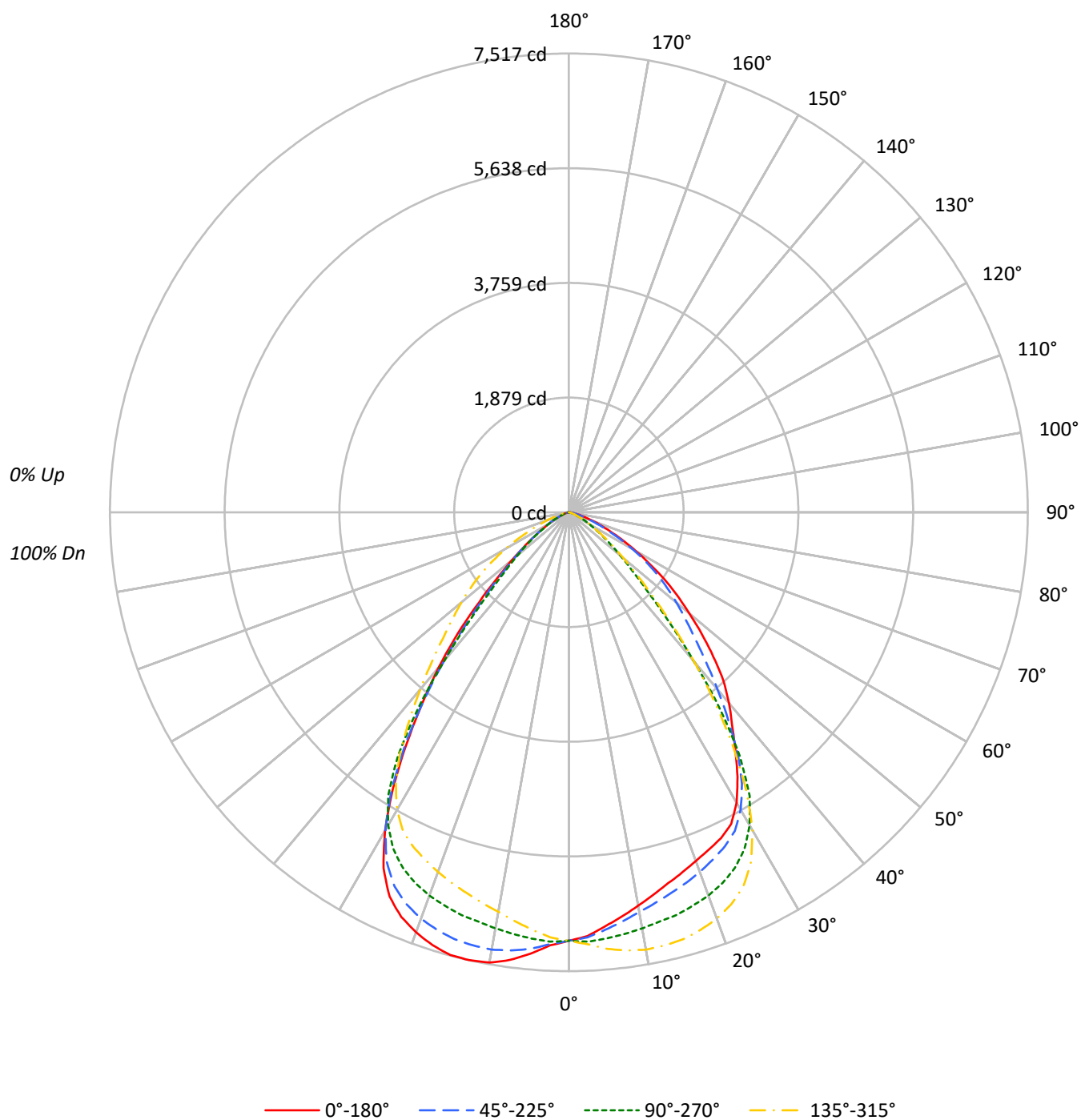
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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°

Luminaire represents a point source (luminous area is zero).
No luminance values can be calculated.

0°
5°
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°	668.1	5.7
10°-20°	1934.8	16.4
20°-30°	2929.7	24.8
30°-40°	2936.2	24.8
40°-50°	1843.8	15.6
50°-60°	982.6	8.3
60°-70°	404.0	3.4
70°-80°	106.8	0.9
80°-90°	18.1	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°	5532.6	46.8
0°-40°	8468.8	71.6
0°-60°	11295.2	95.5
0°-90°	11824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11824.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7020	7020	7020	7020	7020	
5°	6807	7009	7260	7009	6807	642
15°	6289	6828	7506	6828	6289	1779
25°	5892	6430	6948	6430	5892	2702
35°	4751	4884	4634	4884	4751	2976
45°	3345	1789	2070	1789	3345	2573
55°	1902	662	699	662	1902	1696
65°	758	202	185	202	758	786
75°	212	41	34	41	212	241
85°	45	0	3	0	45	49
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°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	6947.6	6940.7	6937.3	6944.2	6947.6	6961.3	6957.9	6964.7	6964.7	6968.2	6975.0
5°	6807.1	6803.5	6807.1	6807.1	6820.8	6834.4	6831.1	6841.4	6848.1	6865.3	6872.1
7.5°	6676.9	6676.9	6673.3	6687.0	6693.9	6714.5	6711.0	6728.2	6738.5	6755.6	6779.6
10°	6543.1	6543.1	6546.5	6556.8	6560.3	6591.1	6591.1	6615.1	6628.7	6646.0	6676.9
12.5°	6412.9	6412.9	6433.5	6426.6	6440.3	6464.2	6474.5	6498.5	6519.1	6553.4	6584.3
15°	6289.4	6289.4	6296.4	6313.4	6323.7	6354.6	6371.7	6399.2	6423.2	6457.5	6502.1
17.5°	6183.2	6179.8	6183.2	6203.8	6224.4	6251.8	6265.5	6299.7	6323.7	6368.3	6409.5
20°	6077.0	6083.9	6083.9	6101.0	6114.7	6148.9	6162.6	6200.4	6227.8	6268.9	6317.0
22.5°	5984.4	5981.1	5981.1	6005.0	6015.3	6046.1	6059.8	6094.1	6125.0	6159.2	6203.8
25°	5891.9	5885.0	5898.8	5902.2	5909.0	5943.2	5953.5	5977.5	6008.4	6039.3	6083.9
27.5°	5754.8	5748.0	5751.4	5765.1	5775.4	5802.7	5809.6	5833.6	5857.6	5885.0	5922.8
30°	5490.8	5484.0	5480.6	5504.6	5514.9	5535.4	5545.7	5586.9	5593.6	5624.5	5651.9
32.5°	5141.2	5137.8	5144.7	5165.2	5175.5	5203.0	5216.7	5240.7	5257.7	5274.9	5302.3
35°	4750.6	4743.6	4750.6	4771.2	4771.2	4795.1	4805.4	4815.6	4812.2	4815.6	4808.8
37.5°	4387.3	4383.8	4387.3	4397.4	4387.3	4397.4	4387.3	4366.7	4329.0	4287.8	4246.6
40°	4078.7	4082.1	4061.7	4075.4	4037.5	4030.8	3993.1	3941.6	3866.3	3784.0	3667.5
42.5°	3749.7	3739.4	3725.8	3732.5	3701.8	3677.7	3616.0	3551.0	3454.9	3317.9	3177.2
45°	3345.3	3341.9	3335.0	3331.6	3311.0	3287.0	3235.5	3160.2	3053.9	2913.4	2745.4
47.5°	2951.1	2940.8	2940.8	2944.2	2920.2	2916.8	2875.6	2810.6	2718.0	2580.9	2406.1
50°	2574.0	2570.6	2577.5	2591.2	2574.0	2567.2	2539.8	2495.3	2413.0	2296.5	2131.8
52.5°	2234.7	2231.3	2238.2	2255.3	2248.4	2255.3	2227.9	2193.6	2138.8	2025.6	1881.7
55°	1902.3	1902.3	1902.3	1922.8	1922.8	1922.8	1909.1	1888.6	1837.1	1754.9	1621.3
57.5°	1556.1	1559.5	1580.1	1583.5	1580.1	1587.0	1583.5	1562.9	1528.7	1470.5	1367.6
60°	1264.8	1264.8	1275.1	1285.4	1281.8	1285.4	1285.4	1275.1	1240.8	1192.8	1110.6
62.5°	1000.8	1011.1	1004.2	1011.1	1024.8	1011.1	1004.2	997.4	973.4	942.5	874.0
65°	757.5	764.4	764.4	767.8	760.8	764.4	750.7	740.4	726.7	692.4	647.8
67.5°	575.9	575.9	575.9	575.9	572.4	569.0	565.6	555.3	531.3	517.6	469.5
70°	442.1	421.5	421.5	421.5	421.5	425.1	414.8	401.1	394.2	370.2	335.9
72.5°	294.7	301.6	294.7	294.7	287.9	291.3	277.6	270.7	264.0	250.3	229.7
75°	212.5	195.4	202.2	205.7	195.4	202.2	188.5	174.8	174.8	164.5	154.2
77.5°	137.1	133.7	137.1	140.5	137.1	133.7	126.8	119.9	119.9	116.5	106.2
80°	99.5	95.9	95.9	95.9	92.5	95.9	89.2	89.2	82.2	78.9	72.0
82.5°	65.2	65.2	61.7	65.2	61.7	65.2	54.9	54.9	54.9	51.4	44.6
85°	44.6	37.7	37.7	41.2	34.3	41.2	37.7	34.3	30.9	30.9	27.4
87.5°	20.6	24.0	20.6	24.0	20.6	20.6	24.0	20.6	20.6	13.7	13.7
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°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	6985.3	6988.6	6988.6	7002.5	7009.2	7012.6	7012.6	7040.1	7029.8	7036.7	7043.5
5°	6885.9	6906.4	6913.3	6913.3	6951.0	6964.7	6978.3	7009.2	7012.6	7033.2	7057.2
7.5°	6789.9	6813.8	6827.7	6858.4	6882.4	6906.4	6947.6	6968.2	6988.6	7016.1	7046.9
10°	6697.3	6724.8	6752.2	6776.2	6813.8	6844.7	6872.1	6920.1	6944.2	6981.9	7022.9
12.5°	6608.3	6646.0	6669.9	6711.0	6752.2	6779.6	6820.8	6865.3	6903.0	6940.7	6988.6
15°	6529.4	6574.0	6601.4	6646.0	6690.5	6728.2	6772.8	6827.7	6855.0	6899.6	6944.2
17.5°	6443.6	6491.8	6526.0	6567.1	6622.0	6663.0	6700.8	6755.6	6789.9	6837.8	6889.3
20°	6354.6	6402.6	6443.6	6484.8	6539.7	6580.8	6625.4	6680.2	6717.9	6765.9	6807.1
22.5°	6248.4	6293.0	6337.4	6385.4	6440.3	6474.5	6526.0	6574.0	6615.1	6659.6	6700.8
25°	6111.3	6166.1	6200.4	6244.9	6289.4	6327.1	6382.0	6430.0	6464.2	6505.4	6543.1
27.5°	5950.2	5991.3	6018.7	6056.4	6101.0	6135.3	6176.3	6224.4	6258.7	6296.4	6323.7
30°	5675.9	5713.7	5737.7	5765.1	5809.6	5840.5	5874.8	5919.3	5943.2	5970.8	5994.7
32.5°	5316.0	5346.9	5360.6	5381.2	5412.1	5442.8	5470.3	5508.0	5518.3	5535.4	5535.4
35°	4795.1	4801.9	4798.5	4805.4	4819.1	4836.2	4860.2	4884.2	4897.8	4897.8	4887.7
37.5°	4185.0	4143.9	4099.3	4065.1	4054.8	4047.8	4061.7	4071.8	4085.7	4092.4	4075.4
40°	3551.0	3458.4	3359.0	3269.8	3208.1	3180.8	3170.5	3177.2	3177.2	3201.2	3201.2
42.5°	3006.0	2861.9	2714.6	2580.9	2491.7	2423.3	2392.4	2392.4	2395.8	2413.0	2423.3
45°	2553.5	2371.8	2200.4	2053.1	1929.7	1840.5	1799.5	1789.2	1785.8	1792.6	1816.5
47.5°	2207.3	2018.8	1840.5	1658.9	1528.7	1439.6	1401.9	1388.1	1374.4	1388.1	1391.6
50°	1936.6	1741.2	1552.7	1371.0	1233.9	1155.0	1107.0	1086.5	1083.1	1083.1	1090.0
52.5°	1689.7	1508.1	1319.7	1134.6	990.5	915.2	870.6	860.3	846.6	860.3	860.3
55°	1456.6	1275.1	1090.0	915.2	795.1	716.4	675.2	661.5	654.6	664.9	664.9
57.5°	1203.1	1048.8	877.5	719.8	599.9	545.0	514.1	497.0	493.5	500.4	493.5
60°	987.1	856.9	709.5	565.6	473.0	414.8	390.8	383.9	377.0	383.9	383.9
62.5°	781.4	671.8	551.8	442.1	363.3	322.2	294.7	294.7	291.3	291.3	294.7
65°	579.3	493.5	407.9	315.3	253.7	222.8	202.2	202.2	198.8	202.2	198.8
67.5°	421.5	363.3	294.7	229.7	181.7	164.5	150.8	140.5	147.4	140.5	137.1
70°	308.5	260.4	212.5	174.8	140.5	123.4	113.1	109.6	102.8	102.8	102.8
72.5°	205.7	174.8	143.9	113.1	92.5	75.3	72.0	65.2	58.3	61.7	68.6
75°	137.1	116.5	102.8	82.2	61.7	61.7	41.2	41.2	34.3	41.2	30.9
77.5°	95.9	78.9	61.7	51.4	41.2	37.7	27.4	27.4	24.0	24.0	24.0
80°	68.6	58.3	44.6	37.7	27.4	27.4	24.0	20.6	17.1	17.1	20.6
82.5°	41.2	30.9	30.9	27.4	17.1	13.7	10.3	13.7	6.9	6.9	6.9
85°	24.0	20.6	17.1	10.3	6.9	6.9	3.4	0.0	3.4	3.4	0.0
87.5°	13.7	6.9	6.9	3.4	0.0	3.4	3.4	0.0	0.0	0.0	6.9
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°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	7060.7	7057.2	7064.1	7064.1	7084.7	7081.2	7091.5	7091.5	7084.7	7088.1	7101.8
5°	7084.7	7095.0	7115.5	7132.7	7163.4	7177.3	7194.3	7211.5	7214.9	7225.2	7235.5
7.5°	7084.7	7119.0	7143.0	7173.7	7214.9	7238.9	7276.6	7307.5	7321.2	7338.2	7358.8
10°	7070.9	7105.2	7149.8	7184.0	7235.5	7273.2	7310.9	7358.8	7379.4	7406.8	7434.3
12.5°	7043.5	7081.2	7129.2	7173.7	7232.0	7266.3	7314.2	7358.8	7389.7	7427.4	7458.3
15°	7002.5	7046.9	7091.5	7136.1	7197.7	7238.9	7283.5	7334.8	7365.7	7406.8	7434.3
17.5°	6937.3	6985.3	7026.4	7067.5	7125.8	7173.7	7214.9	7262.9	7293.8	7328.1	7365.7
20°	6858.4	6903.0	6947.6	6981.9	7040.1	7081.2	7125.8	7170.3	7194.3	7201.2	7259.5
22.5°	6759.1	6789.9	6824.1	6879.0	6913.3	6951.0	6992.2	7033.2	7057.2	7095.0	7115.5
25°	6594.5	6625.4	6663.0	6687.0	6728.2	6759.1	6800.2	6844.7	6858.4	6885.9	6906.4
27.5°	6364.9	6382.0	6399.2	6419.7	6443.6	6460.9	6484.8	6505.4	6519.1	6532.8	6546.5
30°	6001.5	6001.5	6001.5	5987.8	5998.1	6008.4	6011.8	6008.4	6008.4	6005.0	6005.0
32.5°	5521.7	5494.3	5463.4	5436.1	5425.8	5412.1	5405.2	5394.9	5377.8	5367.5	5370.9
35°	4873.9	4812.2	4774.5	4740.3	4712.9	4692.3	4682.0	4671.7	4668.3	4654.6	4640.8
37.5°	4065.1	4020.5	3993.1	3972.5	3948.5	3927.9	3931.3	3934.8	3945.0	3938.2	3941.6
40°	3208.1	3197.8	3208.1	3184.2	3177.2	3184.2	3201.2	3225.4	3239.0	3252.7	3276.7
42.5°	2440.4	2457.5	2481.6	2481.6	2491.7	2505.6	2526.0	2563.8	2584.3	2608.3	2635.8
45°	1837.1	1857.7	1888.6	1898.8	1905.7	1922.8	1946.9	1977.6	1991.3	2011.9	2035.9
47.5°	1415.6	1429.3	1446.3	1463.6	1480.6	1487.5	1511.5	1511.5	1528.7	1542.4	1549.2
50°	1103.7	1117.3	1131.0	1141.3	1148.2	1158.5	1165.3	1175.6	1179.0	1185.9	1189.3
52.5°	863.7	880.9	880.9	887.7	898.0	908.3	904.9	908.3	911.7	911.7	922.0
55°	675.2	675.2	685.5	685.5	692.4	688.9	692.4	692.4	692.4	692.4	695.8
57.5°	503.8	507.3	517.6	510.7	507.3	514.1	507.3	514.1	510.7	517.6	507.3
60°	387.3	387.3	390.8	390.8	394.2	394.2	394.2	390.8	390.8	387.3	387.3
62.5°	291.3	294.7	298.2	294.7	294.7	294.7	291.3	291.3	287.9	284.4	284.4
65°	195.4	192.0	198.8	192.0	195.4	195.4	192.0	195.4	185.1	188.5	185.1
67.5°	140.5	137.1	133.7	137.1	133.7	130.2	130.2	133.7	137.1	126.8	126.8
70°	92.5	95.9	92.5	95.9	99.5	99.5	95.9	92.5	95.9	89.2	92.5
72.5°	58.3	58.3	58.3	58.3	58.3	61.7	61.7	61.7	54.9	54.9	51.4
75°	27.4	37.7	30.9	27.4	37.7	37.7	34.3	34.3	30.9	30.9	30.9
77.5°	27.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6	17.1	20.6	17.1
80°	13.7	13.7	13.7	10.3	13.7	13.7	17.1	13.7	13.7	10.3	17.1
82.5°	6.9	6.9	6.9	0.0	3.4	6.9	6.9	3.4	6.9	6.9	3.4
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: P248855

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	7098.4	7095.0	7098.4	7101.8	7098.4	7095.0	7098.4	7101.8	7088.1	7084.7	7091.5
5°	7249.2	7249.2	7256.0	7259.5	7256.0	7249.2	7249.2	7235.5	7225.2	7214.9	7211.5
7.5°	7379.4	7386.3	7393.1	7396.5	7393.1	7386.3	7379.4	7358.8	7338.2	7321.2	7307.5
10°	7458.3	7468.6	7482.3	7489.0	7482.3	7468.6	7458.3	7434.3	7406.8	7379.4	7358.8
12.5°	7492.6	7502.9	7519.9	7516.6	7519.9	7502.9	7492.6	7458.3	7427.4	7389.7	7358.8
15°	7468.6	7482.3	7499.3	7506.3	7499.3	7482.3	7468.6	7434.3	7406.8	7365.7	7334.8
17.5°	7393.1	7413.7	7424.0	7434.3	7424.0	7413.7	7393.1	7365.7	7328.1	7293.8	7262.9
20°	7290.3	7304.1	7317.8	7321.2	7317.8	7304.1	7290.3	7259.5	7201.2	7194.3	7170.3
22.5°	7143.0	7153.3	7184.0	7173.7	7184.0	7153.3	7143.0	7115.5	7095.0	7057.2	7033.2
25°	6930.4	6940.7	6944.2	6947.6	6944.2	6940.7	6930.4	6906.4	6885.9	6858.4	6844.7
27.5°	6563.7	6563.7	6570.5	6574.0	6570.5	6563.7	6563.7	6546.5	6532.8	6519.1	6505.4
30°	6008.4	6008.4	6008.4	6025.6	6008.4	6008.4	6008.4	6005.0	6005.0	6008.4	6008.4
32.5°	5367.5	5360.6	5353.8	5360.6	5353.8	5360.6	5367.5	5370.9	5367.5	5377.8	5394.9
35°	4640.8	4637.4	4647.7	4634.0	4647.7	4637.4	4640.8	4640.8	4654.6	4668.3	4671.7
37.5°	3945.0	3938.2	3951.9	3938.2	3951.9	3938.2	3945.0	3941.6	3938.2	3945.0	3934.8
40°	3283.6	3290.4	3290.4	3317.9	3290.4	3290.4	3283.6	3276.7	3252.7	3239.0	3225.4
42.5°	2649.5	2670.1	2663.2	2683.7	2663.2	2670.1	2649.5	2635.8	2608.3	2584.3	2563.8
45°	2049.6	2063.4	2063.4	2070.2	2063.4	2063.4	2049.6	2035.9	2011.9	1991.3	1977.6
47.5°	1573.2	1573.2	1573.2	1576.7	1573.2	1573.2	1573.2	1549.2	1542.4	1528.7	1511.5
50°	1196.2	1199.6	1203.1	1206.5	1203.1	1199.6	1196.2	1189.3	1185.9	1179.0	1175.6
52.5°	918.6	922.0	915.2	922.0	915.2	922.0	918.6	922.0	911.7	911.7	908.3
55°	695.8	692.4	695.8	699.2	695.8	692.4	695.8	695.8	692.4	692.4	692.4
57.5°	510.7	503.8	503.8	503.8	503.8	503.8	510.7	507.3	517.6	510.7	514.1
60°	380.5	383.9	383.9	387.3	383.9	383.9	380.5	387.3	387.3	390.8	390.8
62.5°	281.0	291.3	284.4	291.3	284.4	291.3	281.0	284.4	284.4	287.9	291.3
65°	181.7	181.7	181.7	185.1	181.7	181.7	181.7	185.1	188.5	185.1	195.4
67.5°	123.4	126.8	133.7	130.2	133.7	126.8	123.4	126.8	126.8	137.1	133.7
70°	99.5	89.2	89.2	99.5	89.2	89.2	99.5	92.5	89.2	95.9	92.5
72.5°	58.3	51.4	58.3	58.3	58.3	51.4	58.3	51.4	54.9	54.9	61.7
75°	30.9	27.4	24.0	34.3	24.0	27.4	30.9	30.9	30.9	30.9	34.3
77.5°	20.6	17.1	24.0	24.0	24.0	17.1	20.6	17.1	20.6	17.1	20.6
80°	10.3	13.7	10.3	17.1	10.3	13.7	10.3	17.1	10.3	13.7	13.7
82.5°	3.4	6.9	6.9	6.9	6.9	6.9	3.4	3.4	6.9	6.9	3.4
85°	0.0	6.9	3.4	3.4	3.4	6.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	0.0	3.4	0.0	0.0	3.4	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: P248855

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	7091.5	7081.2	7084.7	7064.1	7064.1	7057.2	7060.7	7043.5	7036.7	7029.8	7040.1
5°	7194.3	7177.3	7163.4	7132.7	7115.5	7095.0	7084.7	7057.2	7033.2	7012.6	7009.2
7.5°	7276.6	7238.9	7214.9	7173.7	7143.0	7119.0	7084.7	7046.9	7016.1	6988.6	6968.2
10°	7310.9	7273.2	7235.5	7184.0	7149.8	7105.2	7070.9	7022.9	6981.9	6944.2	6920.1
12.5°	7314.2	7266.3	7232.0	7173.7	7129.2	7081.2	7043.5	6988.6	6940.7	6903.0	6865.3
15°	7283.5	7238.9	7197.7	7136.1	7091.5	7046.9	7002.5	6944.2	6899.6	6855.0	6827.7
17.5°	7214.9	7173.7	7125.8	7067.5	7026.4	6985.3	6937.3	6889.3	6837.8	6789.9	6755.6
20°	7125.8	7081.2	7040.1	6981.9	6947.6	6903.0	6858.4	6807.1	6765.9	6717.9	6680.2
22.5°	6992.2	6951.0	6913.3	6879.0	6824.1	6789.9	6759.1	6700.8	6659.6	6615.1	6574.0
25°	6800.2	6759.1	6728.2	6687.0	6663.0	6625.4	6594.5	6543.1	6505.4	6464.2	6430.0
27.5°	6484.8	6460.9	6443.6	6419.7	6399.2	6382.0	6364.9	6323.7	6296.4	6258.7	6224.4
30°	6011.8	6008.4	5998.1	5987.8	6001.5	6001.5	6001.5	5994.7	5970.8	5943.2	5919.3
32.5°	5405.2	5412.1	5425.8	5436.1	5463.4	5494.3	5521.7	5535.4	5535.4	5518.3	5508.0
35°	4682.0	4692.3	4712.9	4740.3	4774.5	4812.2	4873.9	4887.7	4897.8	4897.8	4884.2
37.5°	3931.3	3927.9	3948.5	3972.5	3993.1	4020.5	4065.1	4075.4	4092.4	4085.7	4071.8
40°	3201.2	3184.2	3177.2	3184.2	3208.1	3197.8	3208.1	3201.2	3201.2	3177.2	3177.2
42.5°	2526.0	2505.6	2491.7	2481.6	2481.6	2457.5	2440.4	2423.3	2413.0	2395.8	2392.4
45°	1946.9	1922.8	1905.7	1898.8	1888.6	1857.7	1837.1	1816.5	1792.6	1785.8	1789.2
47.5°	1511.5	1487.5	1480.6	1463.6	1446.3	1429.3	1415.6	1391.6	1388.1	1374.4	1388.1
50°	1165.3	1158.5	1148.2	1141.3	1131.0	1117.3	1103.7	1090.0	1083.1	1083.1	1086.5
52.5°	904.9	908.3	898.0	887.7	880.9	880.9	863.7	860.3	860.3	846.6	860.3
55°	692.4	688.9	692.4	685.5	685.5	675.2	675.2	664.9	664.9	654.6	661.5
57.5°	507.3	514.1	507.3	510.7	517.6	507.3	503.8	493.5	500.4	493.5	497.0
60°	394.2	394.2	394.2	390.8	390.8	387.3	387.3	383.9	383.9	377.0	383.9
62.5°	291.3	294.7	294.7	294.7	298.2	294.7	291.3	294.7	291.3	291.3	294.7
65°	192.0	195.4	195.4	192.0	198.8	192.0	195.4	198.8	202.2	198.8	202.2
67.5°	130.2	130.2	133.7	137.1	133.7	137.1	140.5	137.1	140.5	147.4	140.5
70°	95.9	99.5	99.5	95.9	92.5	95.9	92.5	102.8	102.8	102.8	109.6
72.5°	61.7	61.7	58.3	58.3	58.3	58.3	58.3	68.6	61.7	58.3	65.2
75°	34.3	37.7	37.7	27.4	30.9	37.7	27.4	30.9	41.2	34.3	41.2
77.5°	20.6	20.6	20.6	20.6	20.6	20.6	27.4	24.0	24.0	24.0	27.4
80°	17.1	13.7	13.7	10.3	13.7	13.7	13.7	20.6	17.1	17.1	20.6
82.5°	6.9	6.9	3.4	0.0	6.9	6.9	6.9	6.9	6.9	6.9	13.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	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: P248855

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	7012.6	7012.6	7009.2	7002.5	6988.6	6988.6	6985.3	6975.0	6968.2	6964.7	6964.7
5°	6978.3	6964.7	6951.0	6913.3	6913.3	6906.4	6885.9	6872.1	6865.3	6848.1	6841.4
7.5°	6947.6	6906.4	6882.4	6858.4	6827.7	6813.8	6789.9	6779.6	6755.6	6738.5	6728.2
10°	6872.1	6844.7	6813.8	6776.2	6752.2	6724.8	6697.3	6676.9	6646.0	6628.7	6615.1
12.5°	6820.8	6779.6	6752.2	6711.0	6669.9	6646.0	6608.3	6584.3	6553.4	6519.1	6498.5
15°	6772.8	6728.2	6690.5	6646.0	6601.4	6574.0	6529.4	6502.1	6457.5	6423.2	6399.2
17.5°	6700.8	6663.0	6622.0	6567.1	6526.0	6491.8	6443.6	6409.5	6368.3	6323.7	6299.7
20°	6625.4	6580.8	6539.7	6484.8	6443.6	6402.6	6354.6	6317.0	6268.9	6227.8	6200.4
22.5°	6526.0	6474.5	6440.3	6385.4	6337.4	6293.0	6248.4	6203.8	6159.2	6125.0	6094.1
25°	6382.0	6327.1	6289.4	6244.9	6200.4	6166.1	6111.3	6083.9	6039.3	6008.4	5977.5
27.5°	6176.3	6135.3	6101.0	6056.4	6018.7	5991.3	5950.2	5922.8	5885.0	5857.6	5833.6
30°	5874.8	5840.5	5809.6	5765.1	5737.7	5713.7	5675.9	5651.9	5624.5	5593.6	5586.9
32.5°	5470.3	5442.8	5412.1	5381.2	5360.6	5346.9	5316.0	5302.3	5274.9	5257.7	5240.7
35°	4860.2	4836.2	4819.1	4805.4	4798.5	4801.9	4795.1	4808.8	4815.6	4812.2	4815.6
37.5°	4061.7	4047.8	4054.8	4065.1	4099.3	4143.9	4185.0	4246.6	4287.8	4329.0	4366.7
40°	3170.5	3180.8	3208.1	3269.8	3359.0	3458.4	3551.0	3667.5	3784.0	3866.3	3941.6
42.5°	2392.4	2423.3	2491.7	2580.9	2714.6	2861.9	3006.0	3177.2	3317.9	3454.9	3551.0
45°	1799.5	1840.5	1929.7	2053.1	2200.4	2371.8	2553.5	2745.4	2913.4	3053.9	3160.2
47.5°	1401.9	1439.6	1528.7	1658.9	1840.5	2018.8	2207.3	2406.1	2580.9	2718.0	2810.6
50°	1107.0	1155.0	1233.9	1371.0	1552.7	1741.2	1936.6	2131.8	2296.5	2413.0	2495.3
52.5°	870.6	915.2	990.5	1134.6	1319.7	1508.1	1689.7	1881.7	2025.6	2138.8	2193.6
55°	675.2	716.4	795.1	915.2	1090.0	1275.1	1456.6	1621.3	1754.9	1837.1	1888.6
57.5°	514.1	545.0	599.9	719.8	877.5	1048.8	1203.1	1367.6	1470.5	1528.7	1562.9
60°	390.8	414.8	473.0	565.6	709.5	856.9	987.1	1110.6	1192.8	1240.8	1275.1
62.5°	294.7	322.2	363.3	442.1	551.8	671.8	781.4	874.0	942.5	973.4	997.4
65°	202.2	222.8	253.7	315.3	407.9	493.5	579.3	647.8	692.4	726.7	740.4
67.5°	150.8	164.5	181.7	229.7	294.7	363.3	421.5	469.5	517.6	531.3	555.3
70°	113.1	123.4	140.5	174.8	212.5	260.4	308.5	335.9	370.2	394.2	401.1
72.5°	72.0	75.3	92.5	113.1	143.9	174.8	205.7	229.7	250.3	264.0	270.7
75°	41.2	61.7	61.7	82.2	102.8	116.5	137.1	154.2	164.5	174.8	174.8
77.5°	27.4	37.7	41.2	51.4	61.7	78.9	95.9	106.2	116.5	119.9	119.9
80°	24.0	27.4	27.4	37.7	44.6	58.3	68.6	72.0	78.9	82.2	89.2
82.5°	10.3	13.7	17.1	27.4	30.9	30.9	41.2	44.6	51.4	54.9	54.9
85°	3.4	6.9	6.9	10.3	17.1	20.6	24.0	27.4	30.9	30.9	34.3
87.5°	3.4	3.4	0.0	3.4	6.9	6.9	13.7	13.7	13.7	20.6	20.6
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: P248855

CATALOG NUMBER: LD8B175D010 ER8B1759727 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5	7019.5
2.5°	6957.9	6961.3	6947.6	6944.2	6937.3	6940.7	6947.6
5°	6831.1	6834.4	6820.8	6807.1	6807.1	6803.5	6807.1
7.5°	6711.0	6714.5	6693.9	6687.0	6673.3	6676.9	6676.9
10°	6591.1	6591.1	6560.3	6556.8	6546.5	6543.1	6543.1
12.5°	6474.5	6464.2	6440.3	6426.6	6433.5	6412.9	6412.9
15°	6371.7	6354.6	6323.7	6313.4	6296.4	6289.4	6289.4
17.5°	6265.5	6251.8	6224.4	6203.8	6183.2	6179.8	6183.2
20°	6162.6	6148.9	6114.7	6101.0	6083.9	6083.9	6077.0
22.5°	6059.8	6046.1	6015.3	6005.0	5981.1	5981.1	5984.4
25°	5953.5	5943.2	5909.0	5902.2	5898.8	5885.0	5891.9
27.5°	5809.6	5802.7	5775.4	5765.1	5751.4	5748.0	5754.8
30°	5545.7	5535.4	5514.9	5504.6	5480.6	5484.0	5490.8
32.5°	5216.7	5203.0	5175.5	5165.2	5144.7	5137.8	5141.2
35°	4805.4	4795.1	4771.2	4771.2	4750.6	4743.6	4750.6
37.5°	4387.3	4397.4	4387.3	4397.4	4387.3	4383.8	4387.3
40°	3993.1	4030.8	4037.5	4075.4	4061.7	4082.1	4078.7
42.5°	3616.0	3677.7	3701.8	3732.5	3725.8	3739.4	3749.7
45°	3235.5	3287.0	3311.0	3331.6	3335.0	3341.9	3345.3
47.5°	2875.6	2916.8	2920.2	2944.2	2940.8	2940.8	2951.1
50°	2539.8	2567.2	2574.0	2591.2	2577.5	2570.6	2574.0
52.5°	2227.9	2255.3	2248.4	2255.3	2238.2	2231.3	2234.7
55°	1909.1	1922.8	1922.8	1922.8	1902.3	1902.3	1902.3
57.5°	1583.5	1587.0	1580.1	1583.5	1580.1	1559.5	1556.1
60°	1285.4	1285.4	1281.8	1285.4	1275.1	1264.8	1264.8
62.5°	1004.2	1011.1	1024.8	1011.1	1004.2	1011.1	1000.8
65°	750.7	764.4	760.8	767.8	764.4	764.4	757.5
67.5°	565.6	569.0	572.4	575.9	575.9	575.9	575.9
70°	414.8	425.1	421.5	421.5	421.5	421.5	442.1
72.5°	277.6	291.3	287.9	294.7	294.7	301.6	294.7
75°	188.5	202.2	195.4	205.7	202.2	195.4	212.5
77.5°	126.8	133.7	137.1	140.5	137.1	133.7	137.1
80°	89.2	95.9	92.5	95.9	95.9	95.9	99.5
82.5°	54.9	65.2	61.7	65.2	61.7	65.2	65.2
85°	37.7	41.2	34.3	41.2	37.7	37.7	44.6
87.5°	24.0	20.6	20.6	24.0	20.6	24.0	20.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)