

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: P248972

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248972
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 ER8B1759730 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10328.0 lumens
Efficiency: N/A
Efficacy: 58.3 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

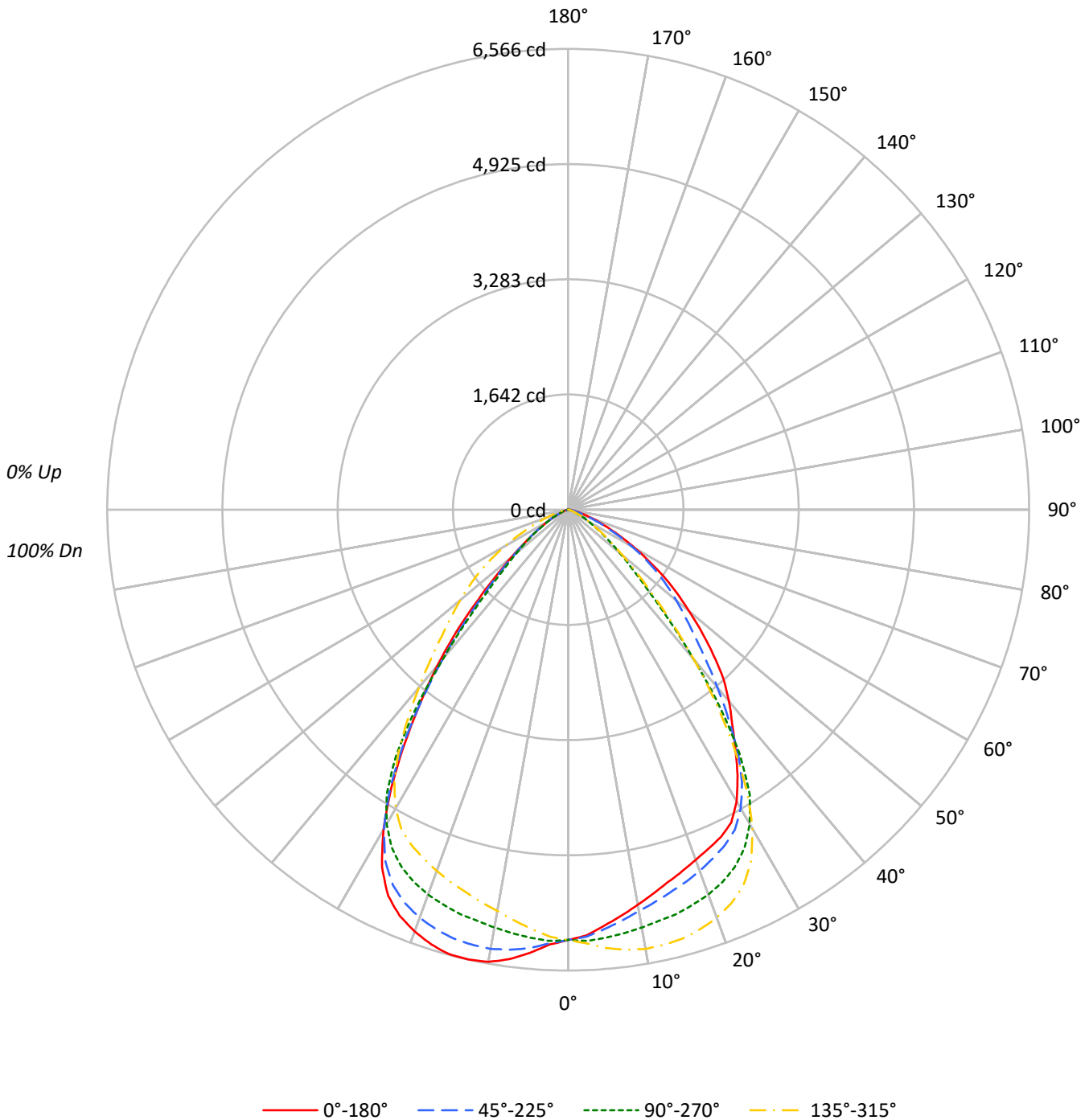
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

Luminous Intensity Polar Plot





TEST NUMBER: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

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°				



TEST NUMBER: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.6	5.7
10°-20°	1690.0	16.4
20°-30°	2559.0	24.8
30°-40°	2564.7	24.8
40°-50°	1610.5	15.6
50°-60°	858.2	8.3
60°-70°	352.9	3.4
70°-80°	93.2	0.9
80°-90°	15.8	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°	4832.6	46.8
0°-40°	7397.3	71.6
0°-60°	9866.1	95.5
0°-90°	10328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10328.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6131	6131	6131	6131	6131	
5°	5946	6122	6341	6122	5946	561
15°	5494	5964	6556	5964	5494	1554
25°	5146	5616	6069	5616	5146	2360
35°	4150	4266	4048	4266	4150	2600
45°	2922	1563	1808	1563	2922	2247
55°	1662	578	611	578	1662	1481
65°	662	177	162	177	662	686
75°	186	36	30	36	186	210
85°	39	0	3	0	39	43
90°	0	0	0	0	0	



TEST NUMBER: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6068.6	6062.5	6059.6	6065.6	6068.6	6080.5	6077.6	6083.5	6083.5	6086.6	6092.5
5°	5945.8	5942.7	5945.8	5945.8	5957.8	5969.7	5966.8	5975.8	5981.7	5996.7	6002.6
7.5°	5832.1	5832.1	5829.0	5841.0	5847.0	5865.0	5861.9	5876.9	5885.9	5900.8	5921.8
10°	5715.3	5715.3	5718.2	5727.2	5730.3	5757.2	5757.2	5778.1	5790.1	5805.1	5832.1
12.5°	5601.5	5601.5	5619.5	5613.5	5625.4	5646.4	5655.4	5676.3	5694.3	5724.3	5751.2
15°	5493.7	5493.7	5499.7	5514.6	5523.6	5550.6	5565.5	5589.6	5610.5	5640.5	5679.4
17.5°	5400.9	5397.9	5400.9	5418.9	5436.9	5460.8	5472.7	5502.7	5523.6	5562.6	5598.6
20°	5308.1	5314.1	5314.1	5329.1	5341.0	5371.0	5382.9	5415.9	5439.8	5475.7	5517.7
22.5°	5227.3	5224.3	5224.3	5245.3	5254.3	5281.1	5293.1	5323.0	5350.0	5380.0	5418.9
25°	5146.4	5140.4	5152.5	5155.4	5161.3	5191.3	5200.3	5221.2	5248.2	5275.2	5314.1
27.5°	5026.7	5020.7	5023.7	5035.6	5044.6	5068.6	5074.6	5095.5	5116.5	5140.4	5173.4
30°	4796.1	4790.2	4787.2	4808.2	4817.2	4835.0	4844.0	4880.0	4885.9	4912.9	4936.8
32.5°	4490.7	4487.8	4493.8	4511.7	4520.7	4544.7	4556.7	4577.6	4592.5	4607.6	4631.5
35°	4149.5	4143.5	4149.5	4167.5	4167.5	4188.4	4197.4	4206.3	4203.4	4206.3	4200.4
37.5°	3832.2	3829.1	3832.2	3841.1	3832.2	3841.1	3832.2	3814.2	3781.3	3745.3	3709.3
40°	3562.7	3565.6	3547.8	3559.7	3526.7	3520.8	3487.9	3442.9	3377.1	3305.3	3203.5
42.5°	3275.3	3266.3	3254.4	3260.3	3233.4	3212.3	3158.5	3101.7	3017.8	2898.1	2775.3
45°	2922.0	2919.1	2913.0	2910.1	2892.1	2871.1	2826.1	2760.3	2667.5	2544.8	2398.0
47.5°	2577.7	2568.7	2568.7	2571.7	2550.7	2547.8	2511.8	2455.0	2374.1	2254.4	2101.7
50°	2248.3	2245.4	2251.4	2263.4	2248.3	2242.4	2218.5	2179.6	2107.7	2005.9	1862.1
52.5°	1952.0	1949.0	1955.0	1969.9	1963.9	1969.9	1946.0	1916.1	1868.2	1769.3	1643.6
55°	1661.6	1661.6	1661.6	1679.5	1679.5	1679.5	1667.5	1649.7	1604.7	1532.9	1416.2
57.5°	1359.2	1362.2	1380.2	1383.1	1380.2	1386.2	1383.1	1365.1	1335.3	1284.4	1194.6
60°	1104.8	1104.8	1113.7	1122.7	1119.7	1122.7	1122.7	1113.7	1083.8	1041.9	970.1
62.5°	874.2	883.2	877.1	883.2	895.1	883.2	877.1	871.2	850.3	823.3	763.4
65°	661.6	667.7	667.7	670.6	664.6	667.7	655.7	646.7	634.8	604.8	565.9
67.5°	503.0	503.0	503.0	503.0	499.9	497.0	494.0	485.0	464.1	452.1	410.1
70°	386.2	368.2	368.2	368.2	368.2	371.3	362.3	350.3	344.3	323.4	293.4
72.5°	257.4	263.5	257.4	257.4	251.5	254.5	242.5	236.5	230.6	218.6	200.6
75°	185.6	170.7	176.6	179.7	170.7	176.6	164.6	152.7	152.7	143.7	134.7
77.5°	119.8	116.8	119.8	122.7	119.8	116.8	110.8	104.7	104.7	101.8	92.8
80°	86.9	83.8	83.8	83.8	80.8	83.8	77.9	77.9	71.8	68.9	62.8
82.5°	56.9	56.9	53.9	56.9	53.9	56.9	47.9	47.9	47.9	44.9	38.9
85°	38.9	32.9	32.9	36.0	29.9	36.0	32.9	29.9	27.0	27.0	23.9
87.5°	18.0	20.9	18.0	20.9	18.0	18.0	20.9	18.0	18.0	12.0	12.0
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: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6101.5	6104.4	6104.4	6116.5	6122.4	6125.4	6125.4	6149.4	6140.4	6146.4	6152.4
5°	6014.7	6032.6	6038.6	6038.6	6071.5	6083.5	6095.4	6122.4	6125.4	6143.4	6164.3
7.5°	5930.8	5951.7	5963.8	5990.7	6011.6	6032.6	6068.6	6086.6	6104.4	6128.4	6155.3
10°	5850.0	5874.0	5897.9	5918.8	5951.7	5978.7	6002.6	6044.5	6065.6	6098.5	6134.4
12.5°	5772.2	5805.1	5826.0	5861.9	5897.9	5921.8	5957.8	5996.7	6029.6	6062.5	6104.4
15°	5703.3	5742.2	5766.2	5805.1	5844.0	5876.9	5915.9	5963.8	5987.7	6026.7	6065.6
17.5°	5628.4	5670.4	5700.3	5736.2	5784.1	5820.0	5853.0	5900.8	5930.8	5972.7	6017.7
20°	5550.6	5592.5	5628.4	5664.4	5712.3	5748.2	5787.1	5835.0	5867.9	5909.8	5945.8
22.5°	5457.8	5496.8	5535.6	5577.5	5625.4	5655.4	5700.3	5742.2	5778.1	5817.0	5853.0
25°	5338.1	5386.0	5415.9	5454.8	5493.7	5526.6	5574.5	5616.4	5646.4	5682.4	5715.3
27.5°	5197.3	5233.3	5257.2	5290.1	5329.1	5359.0	5394.9	5436.9	5466.8	5499.7	5523.6
30°	4957.8	4990.8	5011.7	5035.6	5074.6	5101.6	5131.5	5170.3	5191.3	5215.3	5236.3
32.5°	4643.4	4670.4	4682.4	4700.3	4727.3	4754.2	4778.2	4811.1	4820.1	4835.0	4835.0
35°	4188.4	4194.4	4191.4	4197.4	4209.4	4224.3	4245.3	4266.2	4278.2	4278.2	4269.3
37.5°	3655.5	3619.6	3580.7	3550.7	3541.7	3535.7	3547.8	3556.6	3568.7	3574.6	3559.7
40°	3101.7	3020.8	2934.0	2856.1	2802.2	2778.3	2769.3	2775.3	2775.3	2796.2	2796.2
42.5°	2625.7	2499.8	2371.2	2254.4	2176.5	2116.7	2089.7	2089.7	2092.7	2107.7	2116.7
45°	2230.5	2071.7	1922.0	1793.4	1685.5	1607.7	1571.8	1562.8	1559.8	1565.8	1586.7
47.5°	1928.0	1763.4	1607.7	1449.1	1335.3	1257.4	1224.5	1212.5	1200.5	1212.5	1215.5
50°	1691.6	1520.9	1356.3	1197.5	1077.8	1008.9	967.0	949.0	946.0	946.0	952.1
52.5°	1475.9	1317.3	1152.7	991.0	865.2	799.4	760.4	751.5	739.5	751.5	751.5
55°	1272.3	1113.7	952.1	799.4	694.5	625.8	589.8	577.8	571.8	580.8	580.8
57.5°	1050.9	916.1	766.5	628.7	524.0	476.0	449.0	434.1	431.1	437.1	431.1
60°	862.2	748.5	619.7	494.0	413.2	362.3	341.3	335.3	329.3	335.3	335.3
62.5°	682.6	586.8	482.0	386.2	317.3	281.5	257.4	257.4	254.5	254.5	257.4
65°	506.0	431.1	356.3	275.4	221.6	194.6	176.6	176.6	173.6	176.6	173.6
67.5°	368.2	317.3	257.4	200.6	158.7	143.7	131.7	122.7	128.8	122.7	119.8
70°	269.5	227.5	185.6	152.7	122.7	107.8	98.8	95.7	89.8	89.8	89.8
72.5°	179.7	152.7	125.7	98.8	80.8	65.8	62.8	56.9	50.9	53.9	59.9
75°	119.8	101.8	89.8	71.8	53.9	53.9	36.0	36.0	29.9	36.0	27.0
77.5°	83.8	68.9	53.9	44.9	36.0	32.9	23.9	23.9	20.9	20.9	20.9
80°	59.9	50.9	38.9	32.9	23.9	23.9	20.9	18.0	14.9	14.9	18.0
82.5°	36.0	27.0	27.0	23.9	14.9	12.0	9.0	12.0	6.0	6.0	6.0
85°	20.9	18.0	14.9	9.0	6.0	6.0	3.0	0.0	3.0	3.0	0.0
87.5°	12.0	6.0	6.0	3.0	0.0	3.0	3.0	0.0	0.0	0.0	6.0
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: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6167.4	6164.3	6170.3	6170.3	6188.3	6185.3	6194.3	6194.3	6188.3	6191.3	6203.2
5°	6188.3	6197.3	6215.2	6230.2	6257.1	6269.2	6284.1	6299.1	6302.1	6311.1	6320.1
7.5°	6188.3	6218.3	6239.2	6266.1	6302.1	6323.0	6355.9	6382.9	6394.9	6409.8	6427.8
10°	6176.3	6206.2	6245.1	6275.1	6320.1	6353.0	6385.9	6427.8	6445.8	6469.7	6493.7
12.5°	6152.4	6185.3	6227.2	6266.1	6317.0	6346.9	6388.8	6427.8	6454.8	6487.7	6514.7
15°	6116.5	6155.3	6194.3	6233.2	6287.0	6323.0	6362.0	6406.8	6433.8	6469.7	6493.7
17.5°	6059.6	6101.5	6137.4	6173.3	6224.2	6266.1	6302.1	6344.0	6371.0	6400.9	6433.8
20°	5990.7	6029.6	6068.6	6098.5	6149.4	6185.3	6224.2	6263.1	6284.1	6290.1	6341.0
22.5°	5903.9	5930.8	5960.7	6008.7	6038.6	6071.5	6107.5	6143.4	6164.3	6197.3	6215.2
25°	5760.1	5787.1	5820.0	5841.0	5876.9	5903.9	5939.8	5978.7	5990.7	6014.7	6032.6
27.5°	5559.6	5574.5	5589.6	5607.4	5628.4	5643.4	5664.4	5682.4	5694.3	5706.3	5718.2
30°	5242.2	5242.2	5242.2	5230.2	5239.2	5248.2	5251.2	5248.2	5248.2	5245.3	5245.3
32.5°	4823.1	4799.2	4772.2	4748.3	4739.3	4727.3	4721.3	4712.3	4697.4	4688.4	4691.3
35°	4257.2	4203.4	4170.5	4140.5	4116.6	4098.6	4089.6	4080.6	4077.7	4065.7	4053.6
37.5°	3550.7	3511.8	3487.9	3469.9	3448.9	3431.0	3433.9	3437.0	3445.9	3440.0	3442.9
40°	2802.2	2793.2	2802.2	2781.3	2775.3	2781.3	2796.2	2817.3	2829.2	2841.2	2862.1
42.5°	2131.6	2146.5	2167.6	2167.6	2176.5	2188.6	2206.4	2239.4	2257.3	2278.3	2302.3
45°	1604.7	1622.7	1649.7	1658.5	1664.6	1679.5	1700.6	1727.4	1739.4	1757.4	1778.3
47.5°	1236.5	1248.4	1263.3	1278.4	1293.3	1299.3	1320.3	1320.3	1335.3	1347.3	1353.2
50°	964.0	976.0	987.9	996.9	1003.0	1012.0	1017.9	1026.9	1029.8	1035.9	1038.8
52.5°	754.4	769.4	769.4	775.4	784.4	793.4	790.4	793.4	796.3	796.3	805.3
55°	589.8	589.8	598.8	598.8	604.8	601.7	604.8	604.8	604.8	604.8	607.8
57.5°	440.1	443.1	452.1	446.1	443.1	449.0	443.1	449.0	446.1	452.1	443.1
60°	338.3	338.3	341.3	341.3	344.3	344.3	344.3	341.3	341.3	338.3	338.3
62.5°	254.5	257.4	260.5	257.4	257.4	257.4	254.5	254.5	251.5	248.4	248.4
65°	170.7	167.7	173.6	167.7	170.7	170.7	167.7	170.7	161.7	164.6	161.7
67.5°	122.7	119.8	116.8	119.8	116.8	113.7	113.7	116.8	119.8	110.8	110.8
70°	80.8	83.8	80.8	83.8	86.9	86.9	83.8	80.8	83.8	77.9	80.8
72.5°	50.9	50.9	50.9	50.9	50.9	53.9	53.9	53.9	47.9	47.9	44.9
75°	23.9	32.9	27.0	23.9	32.9	32.9	29.9	29.9	27.0	27.0	27.0
77.5°	23.9	18.0	18.0	18.0	18.0	18.0	18.0	18.0	14.9	18.0	14.9
80°	12.0	12.0	12.0	9.0	12.0	12.0	14.9	12.0	12.0	9.0	14.9
82.5°	6.0	6.0	6.0	0.0	3.0	6.0	6.0	3.0	6.0	6.0	3.0
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: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6200.3	6197.3	6200.3	6203.2	6200.3	6197.3	6200.3	6203.2	6191.3	6188.3	6194.3
5°	6332.0	6332.0	6337.9	6341.0	6337.9	6332.0	6332.0	6320.1	6311.1	6302.1	6299.1
7.5°	6445.8	6451.8	6457.7	6460.7	6457.7	6451.8	6445.8	6427.8	6409.8	6394.9	6382.9
10°	6514.7	6523.6	6535.6	6541.5	6535.6	6523.6	6514.7	6493.7	6469.7	6445.8	6427.8
12.5°	6544.6	6553.6	6568.5	6565.5	6568.5	6553.6	6544.6	6514.7	6487.7	6454.8	6427.8
15°	6523.6	6535.6	6550.5	6556.5	6550.5	6535.6	6523.6	6493.7	6469.7	6433.8	6406.8
17.5°	6457.7	6475.7	6484.7	6493.7	6484.7	6475.7	6457.7	6433.8	6400.9	6371.0	6344.0
20°	6367.9	6380.0	6391.9	6394.9	6391.9	6380.0	6367.9	6341.0	6290.1	6284.1	6263.1
22.5°	6239.2	6248.2	6275.1	6266.1	6275.1	6248.2	6239.2	6215.2	6197.3	6164.3	6143.4
25°	6053.5	6062.5	6065.6	6068.6	6065.6	6062.5	6053.5	6032.6	6014.7	5990.7	5978.7
27.5°	5733.3	5733.3	5739.2	5742.2	5739.2	5733.3	5733.3	5718.2	5706.3	5694.3	5682.4
30°	5248.2	5248.2	5248.2	5263.3	5248.2	5248.2	5248.2	5245.3	5245.3	5248.2	5248.2
32.5°	4688.4	4682.4	4676.4	4682.4	4676.4	4682.4	4688.4	4691.3	4688.4	4697.4	4712.3
35°	4053.6	4050.7	4059.7	4047.7	4059.7	4050.7	4053.6	4053.6	4065.7	4077.7	4080.6
37.5°	3445.9	3440.0	3451.9	3440.0	3451.9	3440.0	3445.9	3442.9	3440.0	3445.9	3437.0
40°	2868.2	2874.1	2874.1	2898.1	2874.1	2874.1	2868.2	2862.1	2841.2	2829.2	2817.3
42.5°	2314.2	2332.2	2326.2	2344.2	2326.2	2332.2	2314.2	2302.3	2278.3	2257.3	2239.4
45°	1790.3	1802.4	1802.4	1808.3	1802.4	1802.4	1790.3	1778.3	1757.4	1739.4	1727.4
47.5°	1374.1	1374.1	1374.1	1377.2	1374.1	1374.1	1374.1	1353.2	1347.3	1335.3	1320.3
50°	1044.9	1047.8	1050.9	1053.9	1050.9	1047.8	1044.9	1038.8	1035.9	1029.8	1026.9
52.5°	802.3	805.3	799.4	805.3	799.4	805.3	802.3	805.3	796.3	796.3	793.4
55°	607.8	604.8	607.8	610.7	607.8	604.8	607.8	607.8	604.8	604.8	604.8
57.5°	446.1	440.1	440.1	440.1	440.1	440.1	446.1	443.1	452.1	446.1	449.0
60°	332.3	335.3	335.3	338.3	335.3	335.3	332.3	338.3	338.3	341.3	341.3
62.5°	245.5	254.5	248.4	254.5	248.4	254.5	245.5	248.4	248.4	251.5	254.5
65°	158.7	158.7	158.7	161.7	158.7	158.7	158.7	161.7	164.6	161.7	170.7
67.5°	107.8	110.8	116.8	113.7	116.8	110.8	107.8	110.8	110.8	119.8	116.8
70°	86.9	77.9	77.9	86.9	77.9	77.9	86.9	80.8	77.9	83.8	80.8
72.5°	50.9	44.9	50.9	50.9	50.9	44.9	50.9	44.9	47.9	47.9	53.9
75°	27.0	23.9	20.9	29.9	20.9	23.9	27.0	27.0	27.0	27.0	29.9
77.5°	18.0	14.9	20.9	20.9	20.9	14.9	18.0	14.9	18.0	14.9	18.0
80°	9.0	12.0	9.0	14.9	9.0	12.0	9.0	14.9	9.0	12.0	12.0
82.5°	3.0	6.0	6.0	6.0	6.0	6.0	3.0	3.0	6.0	6.0	3.0
85°	0.0	6.0	3.0	3.0	3.0	6.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	0.0	0.0	3.0	0.0	0.0	3.0	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: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6194.3	6185.3	6188.3	6170.3	6170.3	6164.3	6167.4	6152.4	6146.4	6140.4	6149.4
5°	6284.1	6269.2	6257.1	6230.2	6215.2	6197.3	6188.3	6164.3	6143.4	6125.4	6122.4
7.5°	6355.9	6323.0	6302.1	6266.1	6239.2	6218.3	6188.3	6155.3	6128.4	6104.4	6086.6
10°	6385.9	6353.0	6320.1	6275.1	6245.1	6206.2	6176.3	6134.4	6098.5	6065.6	6044.5
12.5°	6388.8	6346.9	6317.0	6266.1	6227.2	6185.3	6152.4	6104.4	6062.5	6029.6	5996.7
15°	6362.0	6323.0	6287.0	6233.2	6194.3	6155.3	6116.5	6065.6	6026.7	5987.7	5963.8
17.5°	6302.1	6266.1	6224.2	6173.3	6137.4	6101.5	6059.6	6017.7	5972.7	5930.8	5900.8
20°	6224.2	6185.3	6149.4	6098.5	6068.6	6029.6	5990.7	5945.8	5909.8	5867.9	5835.0
22.5°	6107.5	6071.5	6038.6	6008.7	5960.7	5930.8	5903.9	5853.0	5817.0	5778.1	5742.2
25°	5939.8	5903.9	5876.9	5841.0	5820.0	5787.1	5760.1	5715.3	5682.4	5646.4	5616.4
27.5°	5664.4	5643.4	5628.4	5607.4	5589.6	5574.5	5559.6	5523.6	5499.7	5466.8	5436.9
30°	5251.2	5248.2	5239.2	5230.2	5242.2	5242.2	5242.2	5236.3	5215.3	5191.3	5170.3
32.5°	4721.3	4727.3	4739.3	4748.3	4772.2	4799.2	4823.1	4835.0	4835.0	4820.1	4811.1
35°	4089.6	4098.6	4116.6	4140.5	4170.5	4203.4	4257.2	4269.3	4278.2	4278.2	4266.2
37.5°	3433.9	3431.0	3448.9	3469.9	3487.9	3511.8	3550.7	3559.7	3574.6	3568.7	3556.6
40°	2796.2	2781.3	2775.3	2781.3	2802.2	2793.2	2802.2	2796.2	2796.2	2775.3	2775.3
42.5°	2206.4	2188.6	2176.5	2167.6	2167.6	2146.5	2131.6	2116.7	2107.7	2092.7	2089.7
45°	1700.6	1679.5	1664.6	1658.5	1649.7	1622.7	1604.7	1586.7	1565.8	1559.8	1562.8
47.5°	1320.3	1299.3	1293.3	1278.4	1263.3	1248.4	1236.5	1215.5	1212.5	1200.5	1212.5
50°	1017.9	1012.0	1003.0	996.9	987.9	976.0	964.0	952.1	946.0	946.0	949.0
52.5°	790.4	793.4	784.4	775.4	769.4	769.4	754.4	751.5	751.5	739.5	751.5
55°	604.8	601.7	604.8	598.8	598.8	589.8	589.8	580.8	580.8	571.8	577.8
57.5°	443.1	449.0	443.1	446.1	452.1	443.1	440.1	431.1	437.1	431.1	434.1
60°	344.3	344.3	344.3	341.3	341.3	338.3	338.3	335.3	335.3	329.3	335.3
62.5°	254.5	257.4	257.4	257.4	260.5	257.4	254.5	257.4	254.5	254.5	257.4
65°	167.7	170.7	170.7	167.7	173.6	167.7	170.7	173.6	176.6	173.6	176.6
67.5°	113.7	113.7	116.8	119.8	116.8	119.8	122.7	119.8	122.7	128.8	122.7
70°	83.8	86.9	86.9	83.8	80.8	83.8	80.8	89.8	89.8	89.8	95.7
72.5°	53.9	53.9	50.9	50.9	50.9	50.9	50.9	59.9	53.9	50.9	56.9
75°	29.9	32.9	32.9	23.9	27.0	32.9	23.9	27.0	36.0	29.9	36.0
77.5°	18.0	18.0	18.0	18.0	18.0	18.0	23.9	20.9	20.9	20.9	23.9
80°	14.9	12.0	12.0	9.0	12.0	12.0	12.0	18.0	14.9	14.9	18.0
82.5°	6.0	6.0	3.0	0.0	6.0	6.0	6.0	6.0	6.0	6.0	12.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	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: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6125.4	6125.4	6122.4	6116.5	6104.4	6104.4	6101.5	6092.5	6086.6	6083.5	6083.5
5°	6095.4	6083.5	6071.5	6038.6	6038.6	6032.6	6014.7	6002.6	5996.7	5981.7	5975.8
7.5°	6068.6	6032.6	6011.6	5990.7	5963.8	5951.7	5930.8	5921.8	5900.8	5885.9	5876.9
10°	6002.6	5978.7	5951.7	5918.8	5897.9	5874.0	5850.0	5832.1	5805.1	5790.1	5778.1
12.5°	5957.8	5921.8	5897.9	5861.9	5826.0	5805.1	5772.2	5751.2	5724.3	5694.3	5676.3
15°	5915.9	5876.9	5844.0	5805.1	5766.2	5742.2	5703.3	5679.4	5640.5	5610.5	5589.6
17.5°	5853.0	5820.0	5784.1	5736.2	5700.3	5670.4	5628.4	5598.6	5562.6	5523.6	5502.7
20°	5787.1	5748.2	5712.3	5664.4	5628.4	5592.5	5550.6	5517.7	5475.7	5439.8	5415.9
22.5°	5700.3	5655.4	5625.4	5577.5	5535.6	5496.8	5457.8	5418.9	5380.0	5350.0	5323.0
25°	5574.5	5526.6	5493.7	5454.8	5415.9	5386.0	5338.1	5314.1	5275.2	5248.2	5221.2
27.5°	5394.9	5359.0	5329.1	5290.1	5257.2	5233.3	5197.3	5173.4	5140.4	5116.5	5095.5
30°	5131.5	5101.6	5074.6	5035.6	5011.7	4990.8	4957.8	4936.8	4912.9	4885.9	4880.0
32.5°	4778.2	4754.2	4727.3	4700.3	4682.4	4670.4	4643.4	4631.5	4607.6	4592.5	4577.6
35°	4245.3	4224.3	4209.4	4197.4	4191.4	4194.4	4188.4	4200.4	4206.3	4203.4	4206.3
37.5°	3547.8	3535.7	3541.7	3550.7	3580.7	3619.6	3655.5	3709.3	3745.3	3781.3	3814.2
40°	2769.3	2778.3	2802.2	2856.1	2934.0	3020.8	3101.7	3203.5	3305.3	3377.1	3442.9
42.5°	2089.7	2116.7	2176.5	2254.4	2371.2	2499.8	2625.7	2775.3	2898.1	3017.8	3101.7
45°	1571.8	1607.7	1685.5	1793.4	1922.0	2071.7	2230.5	2398.0	2544.8	2667.5	2760.3
47.5°	1224.5	1257.4	1335.3	1449.1	1607.7	1763.4	1928.0	2101.7	2254.4	2374.1	2455.0
50°	967.0	1008.9	1077.8	1197.5	1356.3	1520.9	1691.6	1862.1	2005.9	2107.7	2179.6
52.5°	760.4	799.4	865.2	991.0	1152.7	1317.3	1475.9	1643.6	1769.3	1868.2	1916.1
55°	589.8	625.8	694.5	799.4	952.1	1113.7	1272.3	1416.2	1532.9	1604.7	1649.7
57.5°	449.0	476.0	524.0	628.7	766.5	916.1	1050.9	1194.6	1284.4	1335.3	1365.1
60°	341.3	362.3	413.2	494.0	619.7	748.5	862.2	970.1	1041.9	1083.8	1113.7
62.5°	257.4	281.5	317.3	386.2	482.0	586.8	682.6	763.4	823.3	850.3	871.2
65°	176.6	194.6	221.6	275.4	356.3	431.1	506.0	565.9	604.8	634.8	646.7
67.5°	131.7	143.7	158.7	200.6	257.4	317.3	368.2	410.1	452.1	464.1	485.0
70°	98.8	107.8	122.7	152.7	185.6	227.5	269.5	293.4	323.4	344.3	350.3
72.5°	62.8	65.8	80.8	98.8	125.7	152.7	179.7	200.6	218.6	230.6	236.5
75°	36.0	53.9	53.9	71.8	89.8	101.8	119.8	134.7	143.7	152.7	152.7
77.5°	23.9	32.9	36.0	44.9	53.9	68.9	83.8	92.8	101.8	104.7	104.7
80°	20.9	23.9	23.9	32.9	38.9	50.9	59.9	62.8	68.9	71.8	77.9
82.5°	9.0	12.0	14.9	23.9	27.0	27.0	36.0	38.9	44.9	47.9	47.9
85°	3.0	6.0	6.0	9.0	14.9	18.0	20.9	23.9	27.0	27.0	29.9
87.5°	3.0	3.0	0.0	3.0	6.0	6.0	12.0	12.0	12.0	18.0	18.0
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: P248972

CATALOG NUMBER: LD8B175D010 ER8B1759730 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4	6131.4
2.5°	6077.6	6080.5	6068.6	6065.6	6059.6	6062.5	6068.6
5°	5966.8	5969.7	5957.8	5945.8	5945.8	5942.7	5945.8
7.5°	5861.9	5865.0	5847.0	5841.0	5829.0	5832.1	5832.1
10°	5757.2	5757.2	5730.3	5727.2	5718.2	5715.3	5715.3
12.5°	5655.4	5646.4	5625.4	5613.5	5619.5	5601.5	5601.5
15°	5565.5	5550.6	5523.6	5514.6	5499.7	5493.7	5493.7
17.5°	5472.7	5460.8	5436.9	5418.9	5400.9	5397.9	5400.9
20°	5382.9	5371.0	5341.0	5329.1	5314.1	5314.1	5308.1
22.5°	5293.1	5281.1	5254.3	5245.3	5224.3	5224.3	5227.3
25°	5200.3	5191.3	5161.3	5155.4	5152.5	5140.4	5146.4
27.5°	5074.6	5068.6	5044.6	5035.6	5023.7	5020.7	5026.7
30°	4844.0	4835.0	4817.2	4808.2	4787.2	4790.2	4796.1
32.5°	4556.7	4544.7	4520.7	4511.7	4493.8	4487.8	4490.7
35°	4197.4	4188.4	4167.5	4167.5	4149.5	4143.5	4149.5
37.5°	3832.2	3841.1	3832.2	3841.1	3832.2	3829.1	3832.2
40°	3487.9	3520.8	3526.7	3559.7	3547.8	3565.6	3562.7
42.5°	3158.5	3212.3	3233.4	3260.3	3254.4	3266.3	3275.3
45°	2826.1	2871.1	2892.1	2910.1	2913.0	2919.1	2922.0
47.5°	2511.8	2547.8	2550.7	2571.7	2568.7	2568.7	2577.7
50°	2218.5	2242.4	2248.3	2263.4	2251.4	2245.4	2248.3
52.5°	1946.0	1969.9	1963.9	1969.9	1955.0	1949.0	1952.0
55°	1667.5	1679.5	1679.5	1679.5	1661.6	1661.6	1661.6
57.5°	1383.1	1386.2	1380.2	1383.1	1380.2	1362.2	1359.2
60°	1122.7	1122.7	1119.7	1122.7	1113.7	1104.8	1104.8
62.5°	877.1	883.2	895.1	883.2	877.1	883.2	874.2
65°	655.7	667.7	664.6	670.6	667.7	667.7	661.6
67.5°	494.0	497.0	499.9	503.0	503.0	503.0	503.0
70°	362.3	371.3	368.2	368.2	368.2	368.2	386.2
72.5°	242.5	254.5	251.5	257.4	257.4	263.5	257.4
75°	164.6	176.6	170.7	179.7	176.6	170.7	185.6
77.5°	110.8	116.8	119.8	122.7	119.8	116.8	119.8
80°	77.9	83.8	80.8	83.8	83.8	83.8	86.9
82.5°	47.9	56.9	53.9	56.9	53.9	56.9	56.9
85°	32.9	36.0	29.9	36.0	32.9	32.9	38.9
87.5°	20.9	18.0	18.0	20.9	18.0	20.9	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)