

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: P248746

Luminaire Tested: **LD8B150D010 ER8B150927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248746
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: LD8B150D010 ER8B150927 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12619.1 lumens
Efficiency: N/A
Efficacy: 79.6 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

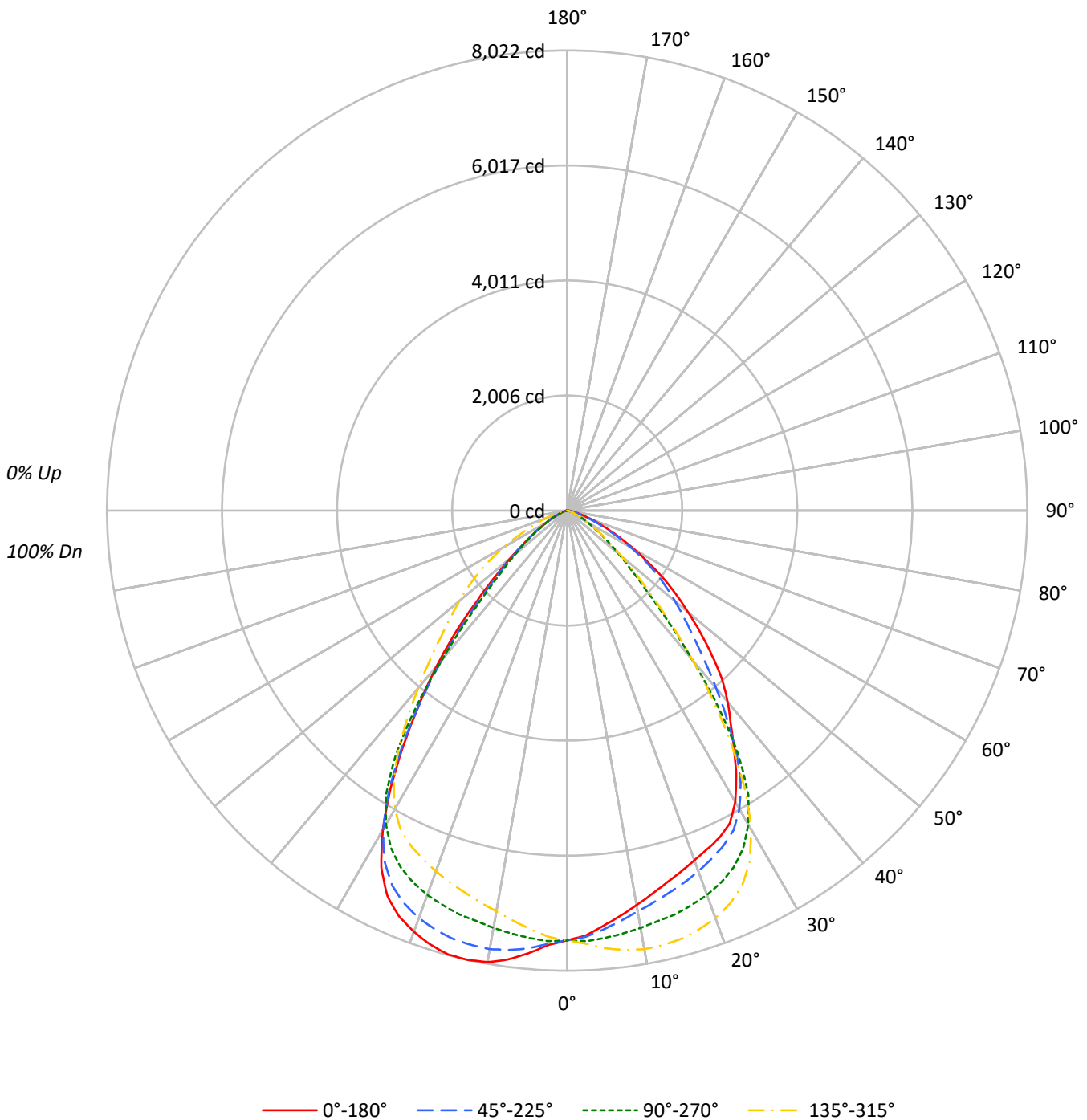
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.1	5.7
10°-20°	2064.9	16.4
20°-30°	3126.7	24.8
30°-40°	3133.7	24.8
40°-50°	1967.8	15.6
50°-60°	1048.6	8.3
60°-70°	431.2	3.4
70°-80°	113.9	0.9
80°-90°	19.3	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°	5904.6	46.8
0°-40°	9038.3	71.6
0°-60°	12054.7	95.5
0°-90°	12619.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12619.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7492	7492	7492	7492	7492	
5°	7265	7481	7748	7481	7265	685
15°	6712	7287	8011	7287	6712	1898
25°	6288	6862	7415	6862	6288	2884
35°	5070	5213	4946	5213	5070	3176
45°	3570	1910	2209	1910	3570	2746
55°	2030	706	746	706	2030	1810
65°	808	216	198	216	808	839
75°	227	44	37	44	227	257
85°	48	0	4	0	48	52
90°	0	0	0	0	0	



TEST NUMBER: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7414.8	7407.4	7403.8	7411.2	7414.8	7429.4	7425.8	7433.0	7433.0	7436.8	7444.0
5°	7264.8	7261.1	7264.8	7264.8	7279.4	7294.0	7290.4	7301.4	7308.7	7327.0	7334.2
7.5°	7125.9	7125.9	7122.0	7136.7	7144.1	7166.0	7162.3	7180.6	7191.7	7209.9	7235.4
10°	6983.1	6983.1	6986.7	6997.7	7001.4	7034.3	7034.3	7059.9	7074.6	7092.9	7125.9
12.5°	6844.2	6844.2	6866.1	6858.8	6873.3	6899.0	6910.0	6935.5	6957.6	6994.1	7027.1
15°	6712.4	6712.4	6719.7	6738.0	6749.0	6782.0	6800.2	6829.5	6855.2	6891.8	6939.3
17.5°	6599.0	6595.4	6599.0	6621.0	6643.0	6672.2	6686.8	6723.3	6749.0	6796.6	6840.6
20°	6485.6	6493.0	6493.0	6511.3	6525.8	6562.5	6577.1	6617.4	6646.6	6690.4	6741.8
22.5°	6386.8	6383.2	6383.2	6408.9	6419.8	6452.7	6467.3	6503.8	6536.8	6573.4	6621.0
25°	6288.1	6280.8	6295.5	6299.1	6306.3	6342.9	6353.9	6379.5	6412.5	6445.5	6493.0
27.5°	6141.7	6134.5	6138.1	6152.7	6163.8	6192.9	6200.3	6225.9	6251.5	6280.8	6321.0
30°	5860.0	5852.8	5849.2	5874.8	5885.8	5907.6	5918.6	5962.6	5969.8	6002.8	6032.0
32.5°	5487.0	5483.4	5490.7	5512.5	5523.5	5552.9	5567.5	5593.0	5611.3	5629.7	5658.9
35°	5070.0	5062.6	5070.0	5092.0	5092.0	5117.6	5128.5	5139.4	5135.8	5139.4	5132.2
37.5°	4682.4	4678.5	4682.4	4693.2	4682.4	4693.2	4682.4	4660.3	4620.2	4576.2	4532.2
40°	4353.1	4356.7	4334.8	4349.4	4309.1	4301.8	4261.6	4206.7	4126.3	4038.5	3914.1
42.5°	4001.8	3990.9	3976.3	3983.5	3950.7	3925.0	3859.2	3789.8	3687.2	3541.0	3390.9
45°	3570.2	3566.6	3559.3	3555.7	3533.6	3508.1	3453.1	3372.6	3259.4	3109.4	2930.1
47.5°	3149.5	3138.5	3138.5	3142.1	3116.6	3113.0	3069.0	2999.6	2900.8	2754.5	2567.9
50°	2747.1	2743.4	2750.8	2765.5	2747.1	2739.8	2710.7	2663.1	2575.2	2450.9	2275.2
52.5°	2385.0	2381.4	2388.7	2406.9	2399.6	2406.9	2377.7	2341.1	2282.6	2161.8	2008.2
55°	2030.3	2030.3	2030.3	2052.1	2052.1	2052.1	2037.5	2015.7	1960.6	1872.9	1730.4
57.5°	1660.7	1664.3	1686.4	1690.0	1686.4	1693.7	1690.0	1667.9	1631.6	1569.4	1459.6
60°	1349.8	1349.8	1360.8	1371.8	1368.0	1371.8	1371.8	1360.8	1324.2	1273.0	1185.3
62.5°	1068.1	1079.1	1071.7	1079.1	1093.7	1079.1	1071.7	1064.5	1038.9	1006.0	932.7
65°	808.4	815.7	815.7	819.3	812.0	815.7	801.1	790.2	775.6	739.0	691.4
67.5°	614.6	614.6	614.6	614.6	610.9	607.3	603.7	592.6	567.0	552.4	501.1
70°	471.8	449.9	449.9	449.9	449.9	453.6	442.7	428.1	420.6	395.1	358.5
72.5°	314.6	321.9	314.6	314.6	307.3	311.0	296.3	288.9	281.7	267.1	245.1
75°	226.8	208.6	215.8	219.5	208.6	215.8	201.2	186.5	186.5	175.6	164.6
77.5°	146.4	142.8	146.4	150.0	146.4	142.8	135.3	128.0	128.0	124.3	113.4
80°	106.2	102.4	102.4	102.4	98.8	102.4	95.2	95.2	87.8	84.1	76.8
82.5°	69.5	69.5	65.8	69.5	65.8	69.5	58.6	58.6	58.6	54.8	47.6
85°	47.6	40.2	40.2	44.0	36.6	44.0	40.2	36.6	33.0	33.0	29.2
87.5°	21.9	25.6	21.9	25.6	21.9	21.9	25.6	21.9	21.9	14.6	14.6
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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7455.0	7458.6	7458.6	7473.4	7480.6	7484.2	7484.2	7513.5	7502.5	7509.9	7517.1
5°	7349.0	7370.8	7378.2	7378.2	7418.4	7433.0	7447.6	7480.6	7484.2	7506.2	7531.8
7.5°	7246.5	7272.0	7286.8	7319.6	7345.2	7370.8	7414.8	7436.8	7458.6	7488.0	7520.7
10°	7147.7	7177.0	7206.3	7231.8	7272.0	7305.1	7334.2	7385.4	7411.2	7451.3	7495.2
12.5°	7052.6	7092.9	7118.4	7162.3	7206.3	7235.4	7279.4	7327.0	7367.2	7407.4	7458.6
15°	6968.5	7016.1	7045.3	7092.9	7140.5	7180.6	7228.2	7286.8	7316.0	7363.6	7411.2
17.5°	6877.0	6928.3	6964.9	7008.8	7067.2	7111.1	7151.4	7209.9	7246.5	7297.6	7352.6
20°	6782.0	6833.1	6877.0	6920.9	6979.5	7023.3	7070.8	7129.5	7169.6	7220.8	7264.8
22.5°	6668.6	6716.1	6763.6	6814.8	6873.3	6910.0	6964.9	7016.1	7059.9	7107.5	7151.4
25°	6522.2	6580.8	6617.4	6664.8	6712.4	6752.6	6811.2	6862.4	6899.0	6942.9	6983.1
27.5°	6350.3	6394.3	6423.4	6463.7	6511.3	6547.8	6591.6	6643.0	6679.6	6719.7	6749.0
30°	6057.6	6098.0	6123.5	6152.7	6200.3	6233.3	6269.8	6317.3	6342.9	6372.2	6397.9
32.5°	5673.5	5706.4	5721.1	5743.0	5776.0	5808.8	5838.2	5878.5	5889.4	5907.6	5907.6
35°	5117.6	5124.8	5121.2	5128.5	5143.2	5161.4	5187.0	5212.6	5227.2	5227.2	5216.4
37.5°	4466.4	4422.6	4375.0	4338.4	4327.4	4320.0	4334.8	4345.7	4360.4	4367.6	4349.4
40°	3789.8	3691.0	3584.8	3489.6	3423.8	3394.7	3383.7	3390.9	3390.9	3416.5	3416.5
42.5°	3208.2	3054.4	2897.2	2754.5	2659.3	2586.3	2553.3	2553.3	2556.9	2575.2	2586.3
45°	2725.2	2531.4	2348.4	2191.2	2059.4	1964.2	1920.5	1909.5	1905.9	1913.1	1938.7
47.5°	2355.8	2154.6	1964.2	1770.5	1631.6	1536.4	1496.1	1481.4	1466.8	1481.4	1485.2
50°	2066.8	1858.3	1657.1	1463.2	1316.8	1232.7	1181.5	1159.5	1155.9	1155.9	1163.2
52.5°	1803.4	1609.5	1408.4	1210.8	1057.2	976.7	929.1	918.1	903.6	918.1	918.1
55°	1554.6	1360.8	1163.2	976.7	848.6	764.6	720.6	706.1	698.6	709.6	709.6
57.5°	1284.1	1119.3	936.6	768.2	640.2	581.6	548.7	530.4	526.7	534.0	526.7
60°	1053.6	914.5	757.2	603.7	504.9	442.7	417.0	409.7	402.3	409.7	409.7
62.5°	834.0	717.0	588.8	471.8	387.7	343.9	314.6	314.6	311.0	311.0	314.6
65°	618.2	526.7	435.3	336.5	270.7	237.7	215.8	215.8	212.2	215.8	212.2
67.5°	449.9	387.7	314.6	245.1	194.0	175.6	161.0	150.0	157.4	150.0	146.4
70°	329.3	278.0	226.8	186.5	150.0	131.7	120.7	117.0	109.8	109.8	109.8
72.5°	219.5	186.5	153.6	120.7	98.8	80.4	76.8	69.5	62.2	65.8	73.1
75°	146.4	124.3	109.8	87.8	65.8	65.8	44.0	44.0	36.6	44.0	33.0
77.5°	102.4	84.1	65.8	54.8	44.0	40.2	29.2	29.2	25.6	25.6	25.6
80°	73.1	62.2	47.6	40.2	29.2	29.2	25.6	21.9	18.2	18.2	21.9
82.5°	44.0	33.0	33.0	29.2	18.2	14.6	11.0	14.6	7.4	7.4	7.4
85°	25.6	21.9	18.2	11.0	7.4	7.4	3.6	0.0	3.6	3.6	0.0
87.5°	14.6	7.4	7.4	3.6	0.0	3.6	3.6	0.0	0.0	0.0	7.4
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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7535.6	7531.8	7539.2	7539.2	7561.1	7557.4	7568.3	7568.3	7561.1	7564.7	7579.4
5°	7561.1	7572.2	7594.0	7612.3	7645.2	7659.9	7678.1	7696.5	7700.1	7711.1	7722.1
7.5°	7561.1	7597.7	7623.3	7656.2	7700.1	7725.7	7765.9	7798.8	7813.5	7831.7	7853.7
10°	7546.4	7583.0	7630.5	7667.1	7722.1	7762.3	7802.6	7853.7	7875.7	7904.9	7934.3
12.5°	7517.1	7557.4	7608.6	7656.2	7718.3	7755.0	7806.2	7853.7	7886.7	7926.9	7959.8
15°	7473.4	7520.7	7568.3	7615.9	7681.7	7725.7	7773.3	7828.1	7861.0	7904.9	7934.3
17.5°	7403.8	7455.0	7498.9	7542.8	7605.0	7656.2	7700.1	7751.2	7784.3	7820.9	7861.0
20°	7319.6	7367.2	7414.8	7451.3	7513.5	7557.4	7605.0	7652.5	7678.1	7685.6	7747.6
22.5°	7213.6	7246.5	7283.0	7341.6	7378.2	7418.4	7462.4	7506.2	7531.8	7572.2	7594.0
25°	7037.9	7070.8	7111.1	7136.7	7180.6	7213.6	7257.5	7305.1	7319.6	7349.0	7370.8
27.5°	6793.0	6811.2	6829.5	6851.4	6877.0	6895.4	6920.9	6942.9	6957.6	6972.1	6986.7
30°	6405.1	6405.1	6405.1	6390.4	6401.5	6412.5	6416.1	6412.5	6412.5	6408.9	6408.9
32.5°	5893.0	5863.8	5830.9	5801.6	5790.6	5776.0	5768.7	5757.6	5739.4	5728.5	5732.1
35°	5201.7	5135.8	5095.6	5059.0	5029.8	5007.8	4996.8	4985.9	4982.3	4967.7	4952.9
37.5°	4338.4	4290.9	4261.6	4239.7	4214.0	4192.1	4195.7	4199.4	4210.3	4203.1	4206.7
40°	3423.8	3412.9	3423.8	3398.3	3390.9	3398.3	3416.5	3442.3	3456.9	3471.4	3497.1
42.5°	2604.5	2622.7	2648.5	2648.5	2659.3	2674.0	2695.8	2736.2	2758.0	2783.7	2813.1
45°	1960.6	1982.7	2015.7	2026.5	2033.9	2052.1	2077.8	2110.6	2125.2	2147.2	2172.8
47.5°	1510.8	1525.4	1543.6	1562.0	1580.2	1587.6	1613.1	1613.1	1631.6	1646.1	1653.4
50°	1177.9	1192.5	1207.1	1218.0	1225.5	1236.5	1243.7	1254.7	1258.3	1265.6	1269.2
52.5°	921.7	940.2	940.2	947.4	958.4	969.3	965.7	969.3	973.0	973.0	983.9
55°	720.6	720.6	731.6	731.6	739.0	735.2	739.0	739.0	739.0	739.0	742.6
57.5°	537.6	541.5	552.4	545.1	541.5	548.7	541.5	548.7	545.1	552.4	541.5
60°	413.3	413.3	417.0	417.0	420.6	420.6	420.6	417.0	417.0	413.3	413.3
62.5°	311.0	314.6	318.3	314.6	314.6	314.6	311.0	311.0	307.3	303.5	303.5
65°	208.6	205.0	212.2	205.0	208.6	208.6	205.0	208.6	197.5	201.2	197.5
67.5°	150.0	146.4	142.8	146.4	142.8	138.9	138.9	142.8	146.4	135.3	135.3
70°	98.8	102.4	98.8	102.4	106.2	106.2	102.4	98.8	102.4	95.2	98.8
72.5°	62.2	62.2	62.2	62.2	62.2	65.8	65.8	65.8	58.6	58.6	54.8
75°	29.2	40.2	33.0	29.2	40.2	40.2	36.6	36.6	33.0	33.0	33.0
77.5°	29.2	21.9	21.9	21.9	21.9	21.9	21.9	21.9	18.2	21.9	18.2
80°	14.6	14.6	14.6	11.0	14.6	14.6	18.2	14.6	14.6	11.0	18.2
82.5°	7.4	7.4	7.4	0.0	3.6	7.4	7.4	3.6	7.4	7.4	3.6
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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7575.8	7572.2	7575.8	7579.4	7575.8	7572.2	7575.8	7579.4	7564.7	7561.1	7568.3
5°	7736.7	7736.7	7743.9	7747.6	7743.9	7736.7	7736.7	7722.1	7711.1	7700.1	7696.5
7.5°	7875.7	7883.1	7890.3	7893.9	7890.3	7883.1	7875.7	7853.7	7831.7	7813.5	7798.8
10°	7959.8	7970.8	7985.5	7992.7	7985.5	7970.8	7959.8	7934.3	7904.9	7875.7	7853.7
12.5°	7996.4	8007.4	8025.6	8022.0	8025.6	8007.4	7996.4	7959.8	7926.9	7886.7	7853.7
15°	7970.8	7985.5	8003.7	8011.0	8003.7	7985.5	7970.8	7934.3	7904.9	7861.0	7828.1
17.5°	7890.3	7912.2	7923.3	7934.3	7923.3	7912.2	7890.3	7861.0	7820.9	7784.3	7751.2
20°	7780.5	7795.2	7809.9	7813.5	7809.9	7795.2	7780.5	7747.6	7685.6	7678.1	7652.5
22.5°	7623.3	7634.4	7667.1	7656.2	7667.1	7634.4	7623.3	7594.0	7572.2	7531.8	7506.2
25°	7396.4	7407.4	7411.2	7414.8	7411.2	7407.4	7396.4	7370.8	7349.0	7319.6	7305.1
27.5°	7005.2	7005.2	7012.4	7016.1	7012.4	7005.2	7005.2	6986.7	6972.1	6957.6	6942.9
30°	6412.5	6412.5	6412.5	6430.8	6412.5	6412.5	6412.5	6408.9	6408.9	6412.5	6412.5
32.5°	5728.5	5721.1	5713.9	5721.1	5713.9	5721.1	5728.5	5732.1	5728.5	5739.4	5757.6
35°	4952.9	4949.2	4960.2	4945.6	4960.2	4949.2	4952.9	4952.9	4967.7	4982.3	4985.9
37.5°	4210.3	4203.1	4217.6	4203.1	4217.6	4203.1	4210.3	4206.7	4203.1	4210.3	4199.4
40°	3504.4	3511.7	3511.7	3541.0	3511.7	3511.7	3504.4	3497.1	3471.4	3456.9	3442.3
42.5°	2827.7	2849.6	2842.2	2864.2	2842.2	2849.6	2827.7	2813.1	2783.7	2758.0	2736.2
45°	2187.5	2202.2	2202.2	2209.4	2202.2	2202.2	2187.5	2172.8	2147.2	2125.2	2110.6
47.5°	1679.0	1679.0	1679.0	1682.8	1679.0	1679.0	1679.0	1653.4	1646.1	1631.6	1613.1
50°	1276.6	1280.2	1284.1	1287.7	1284.1	1280.2	1276.6	1269.2	1265.6	1258.3	1254.7
52.5°	980.3	983.9	976.7	983.9	976.7	983.9	980.3	983.9	973.0	973.0	969.3
55°	742.6	739.0	742.6	746.2	742.6	739.0	742.6	742.6	739.0	739.0	739.0
57.5°	545.1	537.6	537.6	537.6	537.6	537.6	545.1	541.5	552.4	545.1	548.7
60°	406.1	409.7	409.7	413.3	409.7	409.7	406.1	413.3	413.3	417.0	417.0
62.5°	299.9	311.0	303.5	311.0	303.5	311.0	299.9	303.5	303.5	307.3	311.0
65°	194.0	194.0	194.0	197.5	194.0	194.0	194.0	197.5	201.2	197.5	208.6
67.5°	131.7	135.3	142.8	138.9	142.8	135.3	131.7	135.3	135.3	146.4	142.8
70°	106.2	95.2	95.2	106.2	95.2	95.2	106.2	98.8	95.2	102.4	98.8
72.5°	62.2	54.8	62.2	62.2	62.2	54.8	62.2	54.8	58.6	58.6	65.8
75°	33.0	29.2	25.6	36.6	25.6	29.2	33.0	33.0	33.0	33.0	36.6
77.5°	21.9	18.2	25.6	25.6	25.6	18.2	21.9	18.2	21.9	18.2	21.9
80°	11.0	14.6	11.0	18.2	11.0	14.6	11.0	18.2	11.0	14.6	14.6
82.5°	3.6	7.4	7.4	7.4	7.4	7.4	3.6	3.6	7.4	7.4	3.6
85°	0.0	7.4	3.6	3.6	3.6	7.4	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	0.0	0.0	3.6	0.0	0.0	3.6	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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7568.3	7557.4	7561.1	7539.2	7539.2	7531.8	7535.6	7517.1	7509.9	7502.5	7513.5
5°	7678.1	7659.9	7645.2	7612.3	7594.0	7572.2	7561.1	7531.8	7506.2	7484.2	7480.6
7.5°	7765.9	7725.7	7700.1	7656.2	7623.3	7597.7	7561.1	7520.7	7488.0	7458.6	7436.8
10°	7802.6	7762.3	7722.1	7667.1	7630.5	7583.0	7546.4	7495.2	7451.3	7411.2	7385.4
12.5°	7806.2	7755.0	7718.3	7656.2	7608.6	7557.4	7517.1	7458.6	7407.4	7367.2	7327.0
15°	7773.3	7725.7	7681.7	7615.9	7568.3	7520.7	7473.4	7411.2	7363.6	7316.0	7286.8
17.5°	7700.1	7656.2	7605.0	7542.8	7498.9	7455.0	7403.8	7352.6	7297.6	7246.5	7209.9
20°	7605.0	7557.4	7513.5	7451.3	7414.8	7367.2	7319.6	7264.8	7220.8	7169.6	7129.5
22.5°	7462.4	7418.4	7378.2	7341.6	7283.0	7246.5	7213.6	7151.4	7107.5	7059.9	7016.1
25°	7257.5	7213.6	7180.6	7136.7	7111.1	7070.8	7037.9	6983.1	6942.9	6899.0	6862.4
27.5°	6920.9	6895.4	6877.0	6851.4	6829.5	6811.2	6793.0	6749.0	6719.7	6679.6	6643.0
30°	6416.1	6412.5	6401.5	6390.4	6405.1	6405.1	6405.1	6397.9	6372.2	6342.9	6317.3
32.5°	5768.7	5776.0	5790.6	5801.6	5830.9	5863.8	5893.0	5907.6	5907.6	5889.4	5878.5
35°	4996.8	5007.8	5029.8	5059.0	5095.6	5135.8	5201.7	5216.4	5227.2	5227.2	5212.6
37.5°	4195.7	4192.1	4214.0	4239.7	4261.6	4290.9	4338.4	4349.4	4367.6	4360.4	4345.7
40°	3416.5	3398.3	3390.9	3398.3	3423.8	3412.9	3423.8	3416.5	3416.5	3390.9	3390.9
42.5°	2695.8	2674.0	2659.3	2648.5	2648.5	2622.7	2604.5	2586.3	2575.2	2556.9	2553.3
45°	2077.8	2052.1	2033.9	2026.5	2015.7	1982.7	1960.6	1938.7	1913.1	1905.9	1909.5
47.5°	1613.1	1587.6	1580.2	1562.0	1543.6	1525.4	1510.8	1485.2	1481.4	1466.8	1481.4
50°	1243.7	1236.5	1225.5	1218.0	1207.1	1192.5	1177.9	1163.2	1155.9	1155.9	1159.5
52.5°	965.7	969.3	958.4	947.4	940.2	940.2	921.7	918.1	918.1	903.6	918.1
55°	739.0	735.2	739.0	731.6	731.6	720.6	720.6	709.6	709.6	698.6	706.1
57.5°	541.5	548.7	541.5	545.1	552.4	541.5	537.6	526.7	534.0	526.7	530.4
60°	420.6	420.6	420.6	417.0	417.0	413.3	413.3	409.7	409.7	402.3	409.7
62.5°	311.0	314.6	314.6	314.6	318.3	314.6	311.0	314.6	311.0	311.0	314.6
65°	205.0	208.6	208.6	205.0	212.2	205.0	208.6	212.2	215.8	212.2	215.8
67.5°	138.9	138.9	142.8	146.4	142.8	146.4	150.0	146.4	150.0	157.4	150.0
70°	102.4	106.2	106.2	102.4	98.8	102.4	98.8	109.8	109.8	109.8	117.0
72.5°	65.8	65.8	62.2	62.2	62.2	62.2	62.2	73.1	65.8	62.2	69.5
75°	36.6	40.2	40.2	29.2	33.0	40.2	29.2	33.0	44.0	36.6	44.0
77.5°	21.9	21.9	21.9	21.9	21.9	21.9	29.2	25.6	25.6	25.6	29.2
80°	18.2	14.6	14.6	11.0	14.6	14.6	14.6	21.9	18.2	18.2	21.9
82.5°	7.4	7.4	3.6	0.0	7.4	7.4	7.4	7.4	7.4	7.4	14.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7484.2	7484.2	7480.6	7473.4	7458.6	7458.6	7455.0	7444.0	7436.8	7433.0	7433.0
5°	7447.6	7433.0	7418.4	7378.2	7378.2	7370.8	7349.0	7334.2	7327.0	7308.7	7301.4
7.5°	7414.8	7370.8	7345.2	7319.6	7286.8	7272.0	7246.5	7235.4	7209.9	7191.7	7180.6
10°	7334.2	7305.1	7272.0	7231.8	7206.3	7177.0	7147.7	7125.9	7092.9	7074.6	7059.9
12.5°	7279.4	7235.4	7206.3	7162.3	7118.4	7092.9	7052.6	7027.1	6994.1	6957.6	6935.5
15°	7228.2	7180.6	7140.5	7092.9	7045.3	7016.1	6968.5	6939.3	6891.8	6855.2	6829.5
17.5°	7151.4	7111.1	7067.2	7008.8	6964.9	6928.3	6877.0	6840.6	6796.6	6749.0	6723.3
20°	7070.8	7023.3	6979.5	6920.9	6877.0	6833.1	6782.0	6741.8	6690.4	6646.6	6617.4
22.5°	6964.9	6910.0	6873.3	6814.8	6763.6	6716.1	6668.6	6621.0	6573.4	6536.8	6503.8
25°	6811.2	6752.6	6712.4	6664.8	6617.4	6580.8	6522.2	6493.0	6445.5	6412.5	6379.5
27.5°	6591.6	6547.8	6511.3	6463.7	6423.4	6394.3	6350.3	6321.0	6280.8	6251.5	6225.9
30°	6269.8	6233.3	6200.3	6152.7	6123.5	6098.0	6057.6	6032.0	6002.8	5969.8	5962.6
32.5°	5838.2	5808.8	5776.0	5743.0	5721.1	5706.4	5673.5	5658.9	5629.7	5611.3	5593.0
35°	5187.0	5161.4	5143.2	5128.5	5121.2	5124.8	5117.6	5132.2	5139.4	5135.8	5139.4
37.5°	4334.8	4320.0	4327.4	4338.4	4375.0	4422.6	4466.4	4532.2	4576.2	4620.2	4660.3
40°	3383.7	3394.7	3423.8	3489.6	3584.8	3691.0	3789.8	3914.1	4038.5	4126.3	4206.7
42.5°	2553.3	2586.3	2659.3	2754.5	2897.2	3054.4	3208.2	3390.9	3541.0	3687.2	3789.8
45°	1920.5	1964.2	2059.4	2191.2	2348.4	2531.4	2725.2	2930.1	3109.4	3259.4	3372.6
47.5°	1496.1	1536.4	1631.6	1770.5	1964.2	2154.6	2355.8	2567.9	2754.5	2900.8	2999.6
50°	1181.5	1232.7	1316.8	1463.2	1657.1	1858.3	2066.8	2275.2	2450.9	2575.2	2663.1
52.5°	929.1	976.7	1057.2	1210.8	1408.4	1609.5	1803.4	2008.2	2161.8	2282.6	2341.1
55°	720.6	764.6	848.6	976.7	1163.2	1360.8	1554.6	1730.4	1872.9	1960.6	2015.7
57.5°	548.7	581.6	640.2	768.2	936.6	1119.3	1284.1	1459.6	1569.4	1631.6	1667.9
60°	417.0	442.7	504.9	603.7	757.2	914.5	1053.6	1185.3	1273.0	1324.2	1360.8
62.5°	314.6	343.9	387.7	471.8	588.8	717.0	834.0	932.7	1006.0	1038.9	1064.5
65°	215.8	237.7	270.7	336.5	435.3	526.7	618.2	691.4	739.0	775.6	790.2
67.5°	161.0	175.6	194.0	245.1	314.6	387.7	449.9	501.1	552.4	567.0	592.6
70°	120.7	131.7	150.0	186.5	226.8	278.0	329.3	358.5	395.1	420.6	428.1
72.5°	76.8	80.4	98.8	120.7	153.6	186.5	219.5	245.1	267.1	281.7	288.9
75°	44.0	65.8	65.8	87.8	109.8	124.3	146.4	164.6	175.6	186.5	186.5
77.5°	29.2	40.2	44.0	54.8	65.8	84.1	102.4	113.4	124.3	128.0	128.0
80°	25.6	29.2	29.2	40.2	47.6	62.2	73.1	76.8	84.1	87.8	95.2
82.5°	11.0	14.6	18.2	29.2	33.0	33.0	44.0	47.6	54.8	58.6	58.6
85°	3.6	7.4	7.4	11.0	18.2	21.9	25.6	29.2	33.0	33.0	36.6
87.5°	3.6	3.6	0.0	3.6	7.4	7.4	14.6	14.6	14.6	21.9	21.9
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: P248746

CATALOG NUMBER: LD8B150D010 ER8B150927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6	7491.6
2.5°	7425.8	7429.4	7414.8	7411.2	7403.8	7407.4	7414.8
5°	7290.4	7294.0	7279.4	7264.8	7264.8	7261.1	7264.8
7.5°	7162.3	7166.0	7144.1	7136.7	7122.0	7125.9	7125.9
10°	7034.3	7034.3	7001.4	6997.7	6986.7	6983.1	6983.1
12.5°	6910.0	6899.0	6873.3	6858.8	6866.1	6844.2	6844.2
15°	6800.2	6782.0	6749.0	6738.0	6719.7	6712.4	6712.4
17.5°	6686.8	6672.2	6643.0	6621.0	6599.0	6595.4	6599.0
20°	6577.1	6562.5	6525.8	6511.3	6493.0	6493.0	6485.6
22.5°	6467.3	6452.7	6419.8	6408.9	6383.2	6383.2	6386.8
25°	6353.9	6342.9	6306.3	6299.1	6295.5	6280.8	6288.1
27.5°	6200.3	6192.9	6163.8	6152.7	6138.1	6134.5	6141.7
30°	5918.6	5907.6	5885.8	5874.8	5849.2	5852.8	5860.0
32.5°	5567.5	5552.9	5523.5	5512.5	5490.7	5483.4	5487.0
35°	5128.5	5117.6	5092.0	5092.0	5070.0	5062.6	5070.0
37.5°	4682.4	4693.2	4682.4	4693.2	4682.4	4678.5	4682.4
40°	4261.6	4301.8	4309.1	4349.4	4334.8	4356.7	4353.1
42.5°	3859.2	3925.0	3950.7	3983.5	3976.3	3990.9	4001.8
45°	3453.1	3508.1	3533.6	3555.7	3559.3	3566.6	3570.2
47.5°	3069.0	3113.0	3116.6	3142.1	3138.5	3138.5	3149.5
50°	2710.7	2739.8	2747.1	2765.5	2750.8	2743.4	2747.1
52.5°	2377.7	2406.9	2399.6	2406.9	2388.7	2381.4	2385.0
55°	2037.5	2052.1	2052.1	2052.1	2030.3	2030.3	2030.3
57.5°	1690.0	1693.7	1686.4	1690.0	1686.4	1664.3	1660.7
60°	1371.8	1371.8	1368.0	1371.8	1360.8	1349.8	1349.8
62.5°	1071.7	1079.1	1093.7	1079.1	1071.7	1079.1	1068.1
65°	801.1	815.7	812.0	819.3	815.7	815.7	808.4
67.5°	603.7	607.3	610.9	614.6	614.6	614.6	614.6
70°	442.7	453.6	449.9	449.9	449.9	449.9	471.8
72.5°	296.3	311.0	307.3	314.6	314.6	321.9	314.6
75°	201.2	215.8	208.6	219.5	215.8	208.6	226.8
77.5°	135.3	142.8	146.4	150.0	146.4	142.8	146.4
80°	95.2	102.4	98.8	102.4	102.4	102.4	106.2
82.5°	58.6	69.5	65.8	69.5	65.8	69.5	69.5
85°	40.2	44.0	36.6	44.0	40.2	40.2	47.6
87.5°	25.6	21.9	21.9	25.6	21.9	25.6	21.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)