

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: P248681

Luminaire Tested: **LD8B100D010 ER8B100840 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248681
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: LD8B100D010 ER8B100840 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10712.0 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

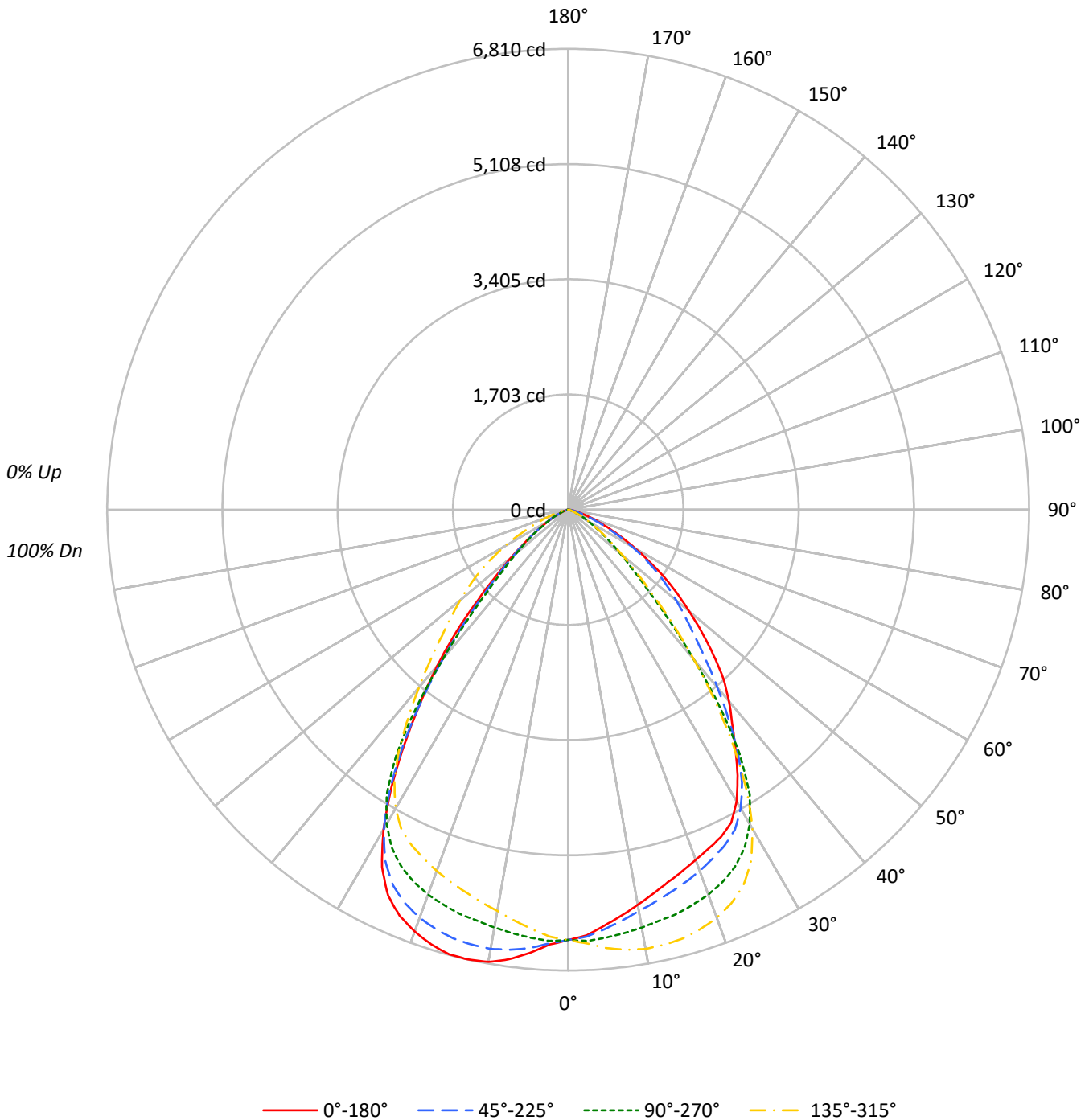
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90					90			
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81					81			
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72					72			
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65					65			
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58					58			
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53					53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44					44			
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40					40			
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37					37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	196100	196100	196100	196100
5°	190891	196559	203579	196559
10°	185611	196304	212443	196304
15°	181904	197470	217093	197470
20°	180665	198598	217651	198598
25°	181614	198201	214155	198201
30°	177122	190945	194373	190945
35°	162013	166568	158038	166568
40°	148746	115867	120999	115867
45°	132166	70686	81789	70686
50°	111868	47220	52434	47220
55°	92653	32219	34053	32219
60°	70664	21450	21635	21450
65°	50069	13367	12236	13367
70°	36118	8953	8123	8953
75°	22935	4444	3705	4444
80°	16000	3321	2752	3321
85°	14294	0	1097	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.3	5.7
10°-20°	1752.8	16.4
20°-30°	2654.1	24.8
30°-40°	2660.1	24.8
40°-50°	1670.4	15.6
50°-60°	890.2	8.3
60°-70°	366.0	3.4
70°-80°	96.7	0.9
80°-90°	16.4	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°	5012.2	46.8
0°-40°	7672.3	71.6
0°-60°	10232.9	95.5
0°-90°	10712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10712.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6359	6359	6359	6359	6359	
5°	6167	6350	6577	6350	6167	582
15°	5698	6186	6800	6186	5698	1612
25°	5338	5825	6294	5825	5338	2448
35°	4304	4425	4198	4425	4304	2696
45°	3031	1621	1876	1621	3031	2331
55°	1723	599	633	599	1723	1537
65°	686	183	168	183	686	712
75°	192	37	31	37	192	218
85°	40	0	3	0	40	44
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°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6294.2	6287.9	6284.9	6291.1	6294.2	6306.6	6303.5	6309.7	6309.7	6312.9	6319.0
5°	6166.9	6163.7	6166.9	6166.9	6179.3	6191.7	6188.6	6197.9	6204.1	6219.7	6225.8
7.5°	6048.9	6048.9	6045.7	6058.1	6064.4	6083.0	6079.9	6095.4	6104.8	6120.2	6142.0
10°	5927.8	5927.8	5930.8	5940.2	5943.3	5971.2	5971.2	5992.9	6005.3	6020.9	6048.9
12.5°	5809.8	5809.8	5828.4	5822.2	5834.6	5856.3	5865.6	5887.4	5906.0	5937.1	5965.1
15°	5698.0	5698.0	5704.2	5719.7	5729.0	5757.0	5772.5	5797.4	5819.1	5850.2	5890.6
17.5°	5601.7	5598.6	5601.7	5620.4	5639.0	5663.8	5676.2	5707.3	5729.0	5769.4	5806.7
20°	5505.5	5511.7	5511.7	5527.2	5539.6	5570.7	5583.0	5617.3	5642.1	5679.3	5722.9
22.5°	5421.6	5418.6	5418.6	5440.3	5449.6	5477.5	5489.9	5520.9	5548.9	5580.0	5620.4
25°	5337.8	5331.5	5344.0	5347.1	5353.2	5384.3	5393.6	5415.4	5443.4	5471.3	5511.7
27.5°	5213.5	5207.4	5210.5	5222.9	5232.2	5257.0	5263.3	5285.0	5306.7	5331.5	5365.8
30°	4974.4	4968.3	4965.2	4986.9	4996.3	5014.8	5024.1	5061.5	5067.6	5095.6	5120.4
32.5°	4657.7	4654.6	4660.9	4679.4	4688.8	4713.7	4726.1	4747.8	4763.3	4778.9	4803.7
35°	4303.8	4297.5	4303.8	4322.4	4322.4	4344.2	4353.5	4362.7	4359.6	4362.7	4356.6
37.5°	3974.7	3971.5	3974.7	3983.9	3974.7	3983.9	3974.7	3956.0	3921.9	3884.6	3847.2
40°	3695.2	3698.2	3679.7	3692.1	3657.8	3651.7	3617.6	3570.9	3502.7	3428.2	3322.6
42.5°	3397.1	3387.8	3375.4	3381.5	3353.6	3331.8	3275.9	3217.0	3130.0	3005.9	2878.4
45°	3030.7	3027.6	3021.3	3018.3	2999.6	2977.9	2931.2	2863.0	2766.7	2639.4	2487.2
47.5°	2673.6	2664.2	2664.2	2667.3	2645.6	2642.5	2605.2	2546.3	2462.4	2338.2	2179.8
50°	2331.9	2328.8	2335.1	2347.5	2331.9	2325.8	2301.0	2260.6	2186.1	2080.5	1931.4
52.5°	2024.5	2021.5	2027.7	2043.2	2036.9	2043.2	2018.4	1987.3	1937.6	1835.1	1704.7
55°	1723.4	1723.4	1723.4	1741.9	1741.9	1741.9	1729.5	1711.0	1664.4	1589.8	1468.8
57.5°	1409.8	1412.8	1431.5	1434.6	1431.5	1437.7	1434.6	1415.9	1385.0	1332.2	1239.0
60°	1145.8	1145.8	1155.2	1164.5	1161.3	1164.5	1164.5	1155.2	1124.1	1080.6	1006.1
62.5°	906.7	916.0	909.8	916.0	928.4	916.0	909.8	903.6	881.9	853.9	791.8
65°	686.2	692.5	692.5	695.5	689.3	692.5	680.1	670.8	658.4	627.3	586.9
67.5°	521.7	521.7	521.7	521.7	518.5	515.5	512.4	503.1	481.3	468.9	425.4
70°	400.6	381.9	381.9	381.9	381.9	385.1	375.8	363.4	357.1	335.4	304.3
72.5°	267.0	273.3	267.0	267.0	260.9	263.9	251.5	245.3	239.1	226.7	208.1
75°	192.5	177.0	183.2	186.3	177.0	183.2	170.8	158.4	158.4	149.0	139.7
77.5°	124.2	121.2	124.2	127.3	124.2	121.2	114.9	108.6	108.6	105.6	96.2
80°	90.1	86.9	86.9	86.9	83.8	86.9	80.8	80.8	74.5	71.4	65.2
82.5°	59.0	59.0	55.9	59.0	55.9	59.0	49.7	49.7	49.7	46.5	40.4
85°	40.4	34.1	34.1	37.3	31.1	37.3	34.1	31.1	28.0	28.0	24.8
87.5°	18.7	21.7	18.7	21.7	18.7	18.7	21.7	18.7	18.7	12.4	12.4
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°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6328.3	6331.4	6331.4	6343.9	6350.0	6353.1	6353.1	6378.0	6368.7	6375.0	6381.1
5°	6238.3	6256.9	6263.1	6263.1	6297.3	6309.7	6322.1	6350.0	6353.1	6371.8	6393.5
7.5°	6151.3	6173.0	6185.6	6213.4	6235.1	6256.9	6294.2	6312.9	6331.4	6356.3	6384.2
10°	6067.5	6092.4	6117.2	6138.9	6173.0	6201.0	6225.8	6269.3	6291.1	6325.2	6362.4
12.5°	5986.8	6020.9	6042.7	6079.9	6117.2	6142.0	6179.3	6219.7	6253.8	6287.9	6331.4
15°	5915.4	5955.7	5980.5	6020.9	6061.3	6095.4	6135.8	6185.6	6210.3	6250.7	6291.1
17.5°	5837.6	5881.2	5912.3	5949.5	5999.2	6036.4	6070.6	6120.2	6151.3	6194.8	6241.4
20°	5757.0	5800.5	5837.6	5875.0	5924.7	5961.9	6002.3	6052.0	6086.1	6129.6	6166.9
22.5°	5660.8	5701.1	5741.4	5784.9	5834.6	5865.6	5912.3	5955.7	5992.9	6033.3	6070.6
25°	5536.5	5586.2	5617.3	5657.6	5698.0	5732.1	5781.8	5825.3	5856.3	5893.6	5927.8
27.5°	5390.6	5427.9	5452.7	5486.8	5527.2	5558.3	5595.4	5639.0	5670.1	5704.2	5729.0
30°	5142.1	5176.4	5198.1	5222.9	5263.3	5291.3	5322.3	5362.6	5384.3	5409.2	5431.0
32.5°	4816.1	4844.0	4856.4	4875.1	4903.1	4931.0	4955.9	4990.0	4999.3	5014.8	5014.8
35°	4344.2	4350.3	4347.2	4353.5	4365.9	4381.4	4403.1	4424.8	4437.2	4437.2	4428.0
37.5°	3791.4	3754.2	3713.8	3682.8	3673.4	3667.2	3679.7	3688.9	3701.4	3707.5	3692.1
40°	3217.0	3133.2	3043.1	2962.3	2906.4	2881.6	2872.3	2878.4	2878.4	2900.2	2900.2
42.5°	2723.3	2592.8	2459.3	2338.2	2257.4	2195.4	2167.4	2167.4	2170.5	2186.1	2195.4
45°	2313.4	2148.8	1993.5	1860.0	1748.2	1667.4	1630.2	1620.9	1617.8	1624.0	1645.7
47.5°	1999.7	1829.0	1667.4	1502.9	1385.0	1304.2	1270.1	1257.5	1245.1	1257.5	1260.7
50°	1754.5	1577.4	1406.7	1242.1	1117.8	1046.4	1002.9	984.3	981.2	981.2	987.5
52.5°	1530.8	1366.3	1195.5	1027.9	897.4	829.1	788.7	779.4	767.0	779.4	779.4
55°	1319.7	1155.2	987.5	829.1	720.3	649.0	611.7	599.3	593.0	602.4	602.4
57.5°	1090.0	950.1	795.0	652.1	543.5	493.7	465.7	450.3	447.1	453.3	447.1
60°	894.3	776.3	642.8	512.4	428.6	375.8	354.0	347.8	341.5	347.8	347.8
62.5°	707.9	608.6	499.9	400.6	329.1	291.9	267.0	267.0	263.9	263.9	267.0
65°	524.8	447.1	369.5	285.7	229.8	201.8	183.2	183.2	180.1	183.2	180.1
67.5°	381.9	329.1	267.0	208.1	164.6	149.0	136.6	127.3	133.6	127.3	124.2
70°	279.5	235.9	192.5	158.4	127.3	111.8	102.5	99.3	93.2	93.2	93.2
72.5°	186.3	158.4	130.4	102.5	83.8	68.3	65.2	59.0	52.8	55.9	62.1
75°	124.2	105.6	93.2	74.5	55.9	55.9	37.3	37.3	31.1	37.3	28.0
77.5°	86.9	71.4	55.9	46.5	37.3	34.1	24.8	24.8	21.7	21.7	21.7
80°	62.1	52.8	40.4	34.1	24.8	24.8	21.7	18.7	15.5	15.5	18.7
82.5°	37.3	28.0	28.0	24.8	15.5	12.4	9.3	12.4	6.3	6.3	6.3
85°	21.7	18.7	15.5	9.3	6.3	6.3	3.1	0.0	3.1	3.1	0.0
87.5°	12.4	6.3	6.3	3.1	0.0	3.1	3.1	0.0	0.0	0.0	6.3
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°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6396.7	6393.5	6399.8	6399.8	6418.4	6415.2	6424.6	6424.6	6418.4	6421.5	6433.9
5°	6418.4	6427.8	6446.3	6461.9	6489.7	6502.3	6517.7	6533.3	6536.4	6545.7	6555.1
7.5°	6418.4	6449.5	6471.2	6499.1	6536.4	6558.1	6592.2	6620.2	6632.6	6648.1	6666.8
10°	6405.9	6437.0	6477.3	6508.4	6555.1	6589.2	6623.3	6666.8	6685.4	6710.2	6735.1
12.5°	6381.1	6415.2	6458.7	6499.1	6551.9	6582.9	6626.4	6666.8	6694.8	6728.9	6756.9
15°	6343.9	6384.2	6424.6	6464.9	6520.8	6558.1	6598.5	6645.0	6673.0	6710.2	6735.1
17.5°	6284.9	6328.3	6365.6	6402.8	6455.6	6499.1	6536.4	6579.8	6607.8	6638.9	6673.0
20°	6213.4	6253.8	6294.2	6325.2	6378.0	6415.2	6455.6	6496.0	6517.7	6524.0	6576.8
22.5°	6123.4	6151.3	6182.4	6232.1	6263.1	6297.3	6334.6	6371.8	6393.5	6427.8	6446.3
25°	5974.3	6002.3	6036.4	6058.1	6095.4	6123.4	6160.6	6201.0	6213.4	6238.3	6256.9
27.5°	5766.3	5781.8	5797.4	5815.9	5837.6	5853.2	5875.0	5893.6	5906.0	5918.4	5930.8
30°	5437.1	5437.1	5437.1	5424.7	5434.0	5443.4	5446.4	5443.4	5443.4	5440.3	5440.3
32.5°	5002.4	4977.6	4949.6	4924.8	4915.5	4903.1	4896.8	4887.5	4872.0	4862.7	4865.8
35°	4415.5	4359.6	4325.5	4294.5	4269.7	4251.0	4241.7	4232.3	4229.3	4216.9	4204.4
37.5°	3682.8	3642.4	3617.6	3598.9	3577.2	3558.5	3561.6	3564.8	3574.0	3567.9	3570.9
40°	2906.4	2897.1	2906.4	2884.7	2878.4	2884.7	2900.2	2922.0	2934.4	2946.8	2968.5
42.5°	2210.9	2226.3	2248.2	2248.2	2257.4	2269.9	2288.5	2322.7	2341.2	2363.0	2387.9
45°	1664.4	1683.0	1711.0	1720.2	1726.5	1741.9	1763.8	1791.7	1804.1	1822.7	1844.4
47.5°	1282.5	1294.9	1310.3	1325.9	1341.4	1347.6	1369.4	1369.4	1385.0	1397.4	1403.5
50°	999.9	1012.3	1024.7	1034.0	1040.3	1049.6	1055.7	1065.1	1068.1	1074.4	1077.4
52.5°	782.5	798.1	798.1	804.2	813.5	822.8	819.8	822.8	825.9	825.9	835.2
55°	611.7	611.7	621.0	621.0	627.3	624.1	627.3	627.3	627.3	627.3	630.4
57.5°	456.4	459.6	468.9	462.7	459.6	465.7	459.6	465.7	462.7	468.9	459.6
60°	350.8	350.8	354.0	354.0	357.1	357.1	357.1	354.0	354.0	350.8	350.8
62.5°	263.9	267.0	270.2	267.0	267.0	267.0	263.9	263.9	260.9	257.7	257.7
65°	177.0	174.0	180.1	174.0	177.0	177.0	174.0	177.0	167.7	170.8	167.7
67.5°	127.3	124.2	121.2	124.2	121.2	118.0	118.0	121.2	124.2	114.9	114.9
70°	83.8	86.9	83.8	86.9	90.1	90.1	86.9	83.8	86.9	80.8	83.8
72.5°	52.8	52.8	52.8	52.8	52.8	55.9	55.9	55.9	49.7	49.7	46.5
75°	24.8	34.1	28.0	24.8	34.1	34.1	31.1	31.1	28.0	28.0	28.0
77.5°	24.8	18.7	18.7	18.7	18.7	18.7	18.7	18.7	15.5	18.7	15.5
80°	12.4	12.4	12.4	9.3	12.4	12.4	15.5	12.4	12.4	9.3	15.5
82.5°	6.3	6.3	6.3	0.0	3.1	6.3	6.3	3.1	6.3	6.3	3.1
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: P248681

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6430.8	6427.8	6430.8	6433.9	6430.8	6427.8	6430.8	6433.9	6421.5	6418.4	6424.6
5°	6567.5	6567.5	6573.6	6576.8	6573.6	6567.5	6567.5	6555.1	6545.7	6536.4	6533.3
7.5°	6685.4	6691.7	6697.8	6700.9	6697.8	6691.7	6685.4	6666.8	6648.1	6632.6	6620.2
10°	6756.9	6766.2	6778.6	6784.7	6778.6	6766.2	6756.9	6735.1	6710.2	6685.4	6666.8
12.5°	6787.9	6797.3	6812.7	6809.7	6812.7	6797.3	6787.9	6756.9	6728.9	6694.8	6666.8
15°	6766.2	6778.6	6794.1	6800.3	6794.1	6778.6	6766.2	6735.1	6710.2	6673.0	6645.0
17.5°	6697.8	6716.5	6725.8	6735.1	6725.8	6716.5	6697.8	6673.0	6638.9	6607.8	6579.8
20°	6604.6	6617.2	6629.6	6632.6	6629.6	6617.2	6604.6	6576.8	6524.0	6517.7	6496.0
22.5°	6471.2	6480.5	6508.4	6499.1	6508.4	6480.5	6471.2	6446.3	6427.8	6393.5	6371.8
25°	6278.6	6287.9	6291.1	6294.2	6291.1	6287.9	6278.6	6256.9	6238.3	6213.4	6201.0
27.5°	5946.4	5946.4	5952.6	5955.7	5952.6	5946.4	5946.4	5930.8	5918.4	5906.0	5893.6
30°	5443.4	5443.4	5443.4	5458.9	5443.4	5443.4	5443.4	5440.3	5440.3	5443.4	5443.4
32.5°	4862.7	4856.4	4850.3	4856.4	4850.3	4856.4	4862.7	4865.8	4862.7	4872.0	4887.5
35°	4204.4	4201.3	4210.6	4198.2	4210.6	4201.3	4204.4	4204.4	4216.9	4229.3	4232.3
37.5°	3574.0	3567.9	3580.2	3567.9	3580.2	3567.9	3574.0	3570.9	3567.9	3574.0	3564.8
40°	2974.8	2980.9	2980.9	3005.9	2980.9	2980.9	2974.8	2968.5	2946.8	2934.4	2922.0
42.5°	2400.3	2419.0	2412.7	2431.4	2412.7	2419.0	2400.3	2387.9	2363.0	2341.2	2322.7
45°	1856.8	1869.4	1869.4	1875.5	1869.4	1869.4	1856.8	1844.4	1822.7	1804.1	1791.7
47.5°	1425.2	1425.2	1425.2	1428.4	1425.2	1425.2	1425.2	1403.5	1397.4	1385.0	1369.4
50°	1083.7	1086.8	1090.0	1093.0	1090.0	1086.8	1083.7	1077.4	1074.4	1068.1	1065.1
52.5°	832.2	835.2	829.1	835.2	829.1	835.2	832.2	835.2	825.9	825.9	822.8
55°	630.4	627.3	630.4	633.4	630.4	627.3	630.4	630.4	627.3	627.3	627.3
57.5°	462.7	456.4	456.4	456.4	456.4	456.4	462.7	459.6	468.9	462.7	465.7
60°	344.7	347.8	347.8	350.8	347.8	347.8	344.7	350.8	350.8	354.0	354.0
62.5°	254.6	263.9	257.7	263.9	257.7	263.9	254.6	257.7	257.7	260.9	263.9
65°	164.6	164.6	164.6	167.7	164.6	164.6	164.6	167.7	170.8	167.7	177.0
67.5°	111.8	114.9	121.2	118.0	121.2	114.9	111.8	114.9	114.9	124.2	121.2
70°	90.1	80.8	80.8	90.1	80.8	80.8	90.1	83.8	80.8	86.9	83.8
72.5°	52.8	46.5	52.8	52.8	52.8	46.5	52.8	46.5	49.7	49.7	55.9
75°	28.0	24.8	21.7	31.1	21.7	24.8	28.0	28.0	28.0	28.0	31.1
77.5°	18.7	15.5	21.7	21.7	21.7	15.5	18.7	15.5	18.7	15.5	18.7
80°	9.3	12.4	9.3	15.5	9.3	12.4	9.3	15.5	9.3	12.4	12.4
82.5°	3.1	6.3	6.3	6.3	6.3	6.3	3.1	3.1	6.3	6.3	3.1
85°	0.0	6.3	3.1	3.1	3.1	6.3	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	0.0	0.0	3.1	0.0	0.0	3.1	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: P248681

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6424.6	6415.2	6418.4	6399.8	6399.8	6393.5	6396.7	6381.1	6375.0	6368.7	6378.0
5°	6517.7	6502.3	6489.7	6461.9	6446.3	6427.8	6418.4	6393.5	6371.8	6353.1	6350.0
7.5°	6592.2	6558.1	6536.4	6499.1	6471.2	6449.5	6418.4	6384.2	6356.3	6331.4	6312.9
10°	6623.3	6589.2	6555.1	6508.4	6477.3	6437.0	6405.9	6362.4	6325.2	6291.1	6269.3
12.5°	6626.4	6582.9	6551.9	6499.1	6458.7	6415.2	6381.1	6331.4	6287.9	6253.8	6219.7
15°	6598.5	6558.1	6520.8	6464.9	6424.6	6384.2	6343.9	6291.1	6250.7	6210.3	6185.6
17.5°	6536.4	6499.1	6455.6	6402.8	6365.6	6328.3	6284.9	6241.4	6194.8	6151.3	6120.2
20°	6455.6	6415.2	6378.0	6325.2	6294.2	6253.8	6213.4	6166.9	6129.6	6086.1	6052.0
22.5°	6334.6	6297.3	6263.1	6232.1	6182.4	6151.3	6123.4	6070.6	6033.3	5992.9	5955.7
25°	6160.6	6123.4	6095.4	6058.1	6036.4	6002.3	5974.3	5927.8	5893.6	5856.3	5825.3
27.5°	5875.0	5853.2	5837.6	5815.9	5797.4	5781.8	5766.3	5729.0	5704.2	5670.1	5639.0
30°	5446.4	5443.4	5434.0	5424.7	5437.1	5437.1	5437.1	5431.0	5409.2	5384.3	5362.6
32.5°	4896.8	4903.1	4915.5	4924.8	4949.6	4977.6	5002.4	5014.8	5014.8	4999.3	4990.0
35°	4241.7	4251.0	4269.7	4294.5	4325.5	4359.6	4415.5	4428.0	4437.2	4437.2	4424.8
37.5°	3561.6	3558.5	3577.2	3598.9	3617.6	3642.4	3682.8	3692.1	3707.5	3701.4	3688.9
40°	2900.2	2884.7	2878.4	2884.7	2906.4	2897.1	2906.4	2900.2	2900.2	2878.4	2878.4
42.5°	2288.5	2269.9	2257.4	2248.2	2248.2	2226.3	2210.9	2195.4	2186.1	2170.5	2167.4
45°	1763.8	1741.9	1726.5	1720.2	1711.0	1683.0	1664.4	1645.7	1624.0	1617.8	1620.9
47.5°	1369.4	1347.6	1341.4	1325.9	1310.3	1294.9	1282.5	1260.7	1257.5	1245.1	1257.5
50°	1055.7	1049.6	1040.3	1034.0	1024.7	1012.3	999.9	987.5	981.2	981.2	984.3
52.5°	819.8	822.8	813.5	804.2	798.1	798.1	782.5	779.4	779.4	767.0	779.4
55°	627.3	624.1	627.3	621.0	621.0	611.7	611.7	602.4	602.4	593.0	599.3
57.5°	459.6	465.7	459.6	462.7	468.9	459.6	456.4	447.1	453.3	447.1	450.3
60°	357.1	357.1	357.1	354.0	354.0	350.8	350.8	347.8	347.8	341.5	347.8
62.5°	263.9	267.0	267.0	267.0	270.2	267.0	263.9	267.0	263.9	263.9	267.0
65°	174.0	177.0	177.0	174.0	180.1	174.0	177.0	180.1	183.2	180.1	183.2
67.5°	118.0	118.0	121.2	124.2	121.2	124.2	127.3	124.2	127.3	133.6	127.3
70°	86.9	90.1	90.1	86.9	83.8	86.9	83.8	93.2	93.2	93.2	99.3
72.5°	55.9	55.9	52.8	52.8	52.8	52.8	52.8	62.1	55.9	52.8	59.0
75°	31.1	34.1	34.1	24.8	28.0	34.1	24.8	28.0	37.3	31.1	37.3
77.5°	18.7	18.7	18.7	18.7	18.7	18.7	24.8	21.7	21.7	21.7	24.8
80°	15.5	12.4	12.4	9.3	12.4	12.4	12.4	18.7	15.5	15.5	18.7
82.5°	6.3	6.3	3.1	0.0	6.3	6.3	6.3	6.3	6.3	6.3	12.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	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: P248681

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6353.1	6353.1	6350.0	6343.9	6331.4	6331.4	6328.3	6319.0	6312.9	6309.7	6309.7
5°	6322.1	6309.7	6297.3	6263.1	6263.1	6256.9	6238.3	6225.8	6219.7	6204.1	6197.9
7.5°	6294.2	6256.9	6235.1	6213.4	6185.6	6173.0	6151.3	6142.0	6120.2	6104.8	6095.4
10°	6225.8	6201.0	6173.0	6138.9	6117.2	6092.4	6067.5	6048.9	6020.9	6005.3	5992.9
12.5°	6179.3	6142.0	6117.2	6079.9	6042.7	6020.9	5986.8	5965.1	5937.1	5906.0	5887.4
15°	6135.8	6095.4	6061.3	6020.9	5980.5	5955.7	5915.4	5890.6	5850.2	5819.1	5797.4
17.5°	6070.6	6036.4	5999.2	5949.5	5912.3	5881.2	5837.6	5806.7	5769.4	5729.0	5707.3
20°	6002.3	5961.9	5924.7	5875.0	5837.6	5800.5	5757.0	5722.9	5679.3	5642.1	5617.3
22.5°	5912.3	5865.6	5834.6	5784.9	5741.4	5701.1	5660.8	5620.4	5580.0	5548.9	5520.9
25°	5781.8	5732.1	5698.0	5657.6	5617.3	5586.2	5536.5	5511.7	5471.3	5443.4	5415.4
27.5°	5595.4	5558.3	5527.2	5486.8	5452.7	5427.9	5390.6	5365.8	5331.5	5306.7	5285.0
30°	5322.3	5291.3	5263.3	5222.9	5198.1	5176.4	5142.1	5120.4	5095.6	5067.6	5061.5
32.5°	4955.9	4931.0	4903.1	4875.1	4856.4	4844.0	4816.1	4803.7	4778.9	4763.3	4747.8
35°	4403.1	4381.4	4365.9	4353.5	4347.2	4350.3	4344.2	4356.6	4362.7	4359.6	4362.7
37.5°	3679.7	3667.2	3673.4	3682.8	3713.8	3754.2	3791.4	3847.2	3884.6	3921.9	3956.0
40°	2872.3	2881.6	2906.4	2962.3	3043.1	3133.2	3217.0	3322.6	3428.2	3502.7	3570.9
42.5°	2167.4	2195.4	2257.4	2338.2	2459.3	2592.8	2723.3	2878.4	3005.9	3130.0	3217.0
45°	1630.2	1667.4	1748.2	1860.0	1993.5	2148.8	2313.4	2487.2	2639.4	2766.7	2863.0
47.5°	1270.1	1304.2	1385.0	1502.9	1667.4	1829.0	1999.7	2179.8	2338.2	2462.4	2546.3
50°	1002.9	1046.4	1117.8	1242.1	1406.7	1577.4	1754.5	1931.4	2080.5	2186.1	2260.6
52.5°	788.7	829.1	897.4	1027.9	1195.5	1366.3	1530.8	1704.7	1835.1	1937.6	1987.3
55°	611.7	649.0	720.3	829.1	987.5	1155.2	1319.7	1468.8	1589.8	1664.4	1711.0
57.5°	465.7	493.7	543.5	652.1	795.0	950.1	1090.0	1239.0	1332.2	1385.0	1415.9
60°	354.0	375.8	428.6	512.4	642.8	776.3	894.3	1006.1	1080.6	1124.1	1155.2
62.5°	267.0	291.9	329.1	400.6	499.9	608.6	707.9	791.8	853.9	881.9	903.6
65°	183.2	201.8	229.8	285.7	369.5	447.1	524.8	586.9	627.3	658.4	670.8
67.5°	136.6	149.0	164.6	208.1	267.0	329.1	381.9	425.4	468.9	481.3	503.1
70°	102.5	111.8	127.3	158.4	192.5	235.9	279.5	304.3	335.4	357.1	363.4
72.5°	65.2	68.3	83.8	102.5	130.4	158.4	186.3	208.1	226.7	239.1	245.3
75°	37.3	55.9	55.9	74.5	93.2	105.6	124.2	139.7	149.0	158.4	158.4
77.5°	24.8	34.1	37.3	46.5	55.9	71.4	86.9	96.2	105.6	108.6	108.6
80°	21.7	24.8	24.8	34.1	40.4	52.8	62.1	65.2	71.4	74.5	80.8
82.5°	9.3	12.4	15.5	24.8	28.0	28.0	37.3	40.4	46.5	49.7	49.7
85°	3.1	6.3	6.3	9.3	15.5	18.7	21.7	24.8	28.0	28.0	31.1
87.5°	3.1	3.1	0.0	3.1	6.3	6.3	12.4	12.4	12.4	18.7	18.7
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: P248681

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4	6359.4
2.5°	6303.5	6306.6	6294.2	6291.1	6284.9	6287.9	6294.2
5°	6188.6	6191.7	6179.3	6166.9	6166.9	6163.7	6166.9
7.5°	6079.9	6083.0	6064.4	6058.1	6045.7	6048.9	6048.9
10°	5971.2	5971.2	5943.3	5940.2	5930.8	5927.8	5927.8
12.5°	5865.6	5856.3	5834.6	5822.2	5828.4	5809.8	5809.8
15°	5772.5	5757.0	5729.0	5719.7	5704.2	5698.0	5698.0
17.5°	5676.2	5663.8	5639.0	5620.4	5601.7	5598.6	5601.7
20°	5583.0	5570.7	5539.6	5527.2	5511.7	5511.7	5505.5
22.5°	5489.9	5477.5	5449.6	5440.3	5418.6	5418.6	5421.6
25°	5393.6	5384.3	5353.2	5347.1	5344.0	5331.5	5337.8
27.5°	5263.3	5257.0	5232.2	5222.9	5210.5	5207.4	5213.5
30°	5024.1	5014.8	4996.3	4986.9	4965.2	4968.3	4974.4
32.5°	4726.1	4713.7	4688.8	4679.4	4660.9	4654.6	4657.7
35°	4353.5	4344.2	4322.4	4322.4	4303.8	4297.5	4303.8
37.5°	3974.7	3983.9	3974.7	3983.9	3974.7	3971.5	3974.7
40°	3617.6	3651.7	3657.8	3692.1	3679.7	3698.2	3695.2
42.5°	3275.9	3331.8	3353.6	3381.5	3375.4	3387.8	3397.1
45°	2931.2	2977.9	2999.6	3018.3	3021.3	3027.6	3030.7
47.5°	2605.2	2642.5	2645.6	2667.3	2664.2	2664.2	2673.6
50°	2301.0	2325.8	2331.9	2347.5	2335.1	2328.8	2331.9
52.5°	2018.4	2043.2	2036.9	2043.2	2027.7	2021.5	2024.5
55°	1729.5	1741.9	1741.9	1741.9	1723.4	1723.4	1723.4
57.5°	1434.6	1437.7	1431.5	1434.6	1431.5	1412.8	1409.8
60°	1164.5	1164.5	1161.3	1164.5	1155.2	1145.8	1145.8
62.5°	909.8	916.0	928.4	916.0	909.8	916.0	906.7
65°	680.1	692.5	689.3	695.5	692.5	692.5	686.2
67.5°	512.4	515.5	518.5	521.7	521.7	521.7	521.7
70°	375.8	385.1	381.9	381.9	381.9	381.9	400.6
72.5°	251.5	263.9	260.9	267.0	267.0	273.3	267.0
75°	170.8	183.2	177.0	186.3	183.2	177.0	192.5
77.5°	114.9	121.2	124.2	127.3	124.2	121.2	124.2
80°	80.8	86.9	83.8	86.9	86.9	86.9	90.1
82.5°	49.7	59.0	55.9	59.0	55.9	59.0	59.0
85°	34.1	37.3	31.1	37.3	34.1	34.1	40.4
87.5°	21.7	18.7	18.7	21.7	18.7	21.7	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)