

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: P248573

Luminaire Tested: **LD8B100D010 ER8B100840 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248573
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 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10807.0 lumens
Efficiency: N/A
Efficacy: 101.7 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

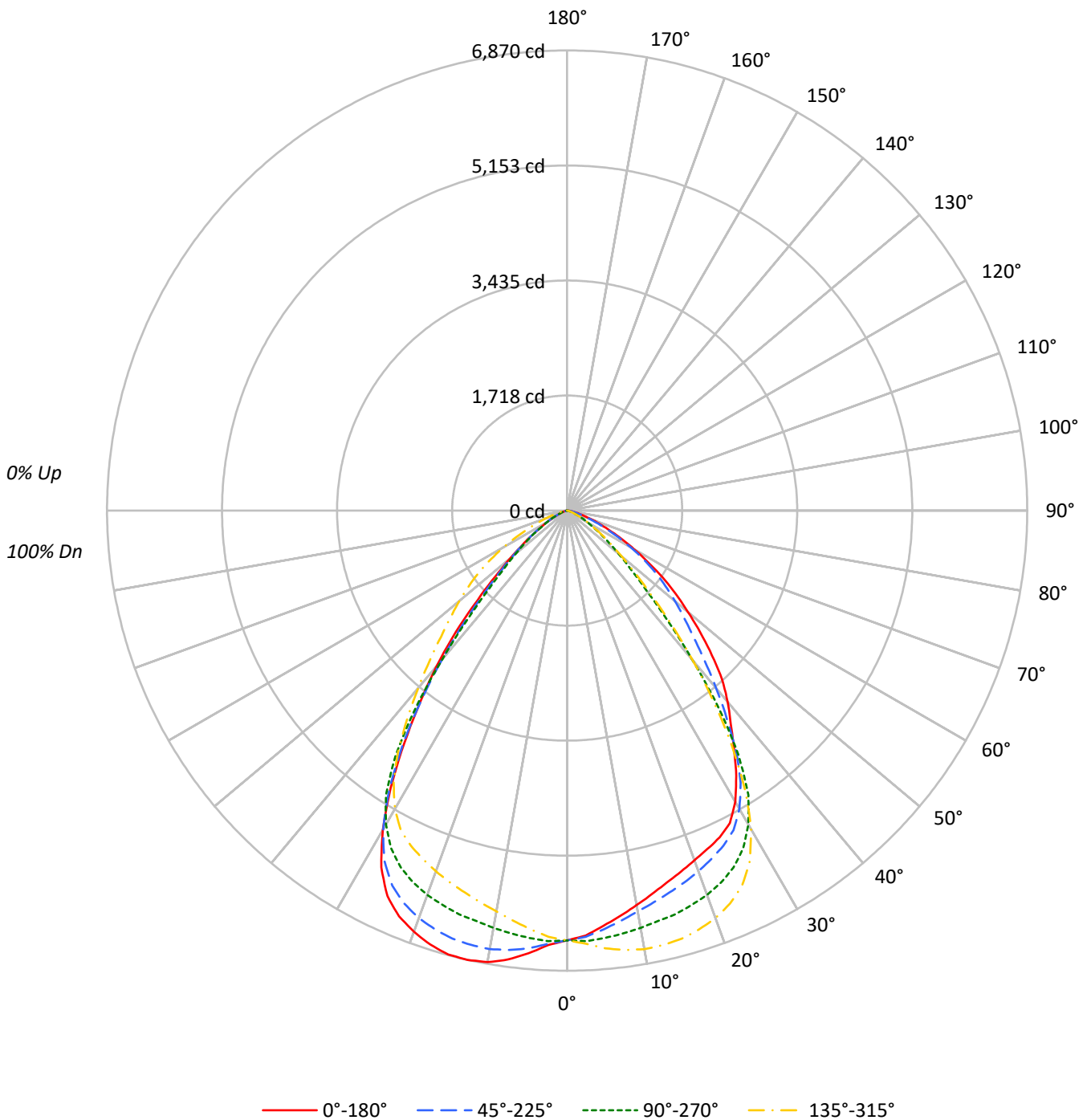
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	197840	197840	197840	197840
5°	192584	198304	205384	198304
10°	187255	198045	214328	198045
15°	183516	199219	219018	199219
20°	182266	200361	219584	200361
25°	183223	199956	216053	199956
30°	178692	192636	196100	192636
35°	163451	168047	159438	168047
40°	150063	116897	122070	116897
45°	133335	71314	82513	71314
50°	112861	47637	52900	47637
55°	93475	32504	34359	32504
60°	71294	21641	21832	21641
65°	50514	13484	12346	13484
70°	36433	9034	8195	9034
75°	23137	4492	3729	4492
80°	16142	3338	2770	3338
85°	14400	0	1097	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.7	5.7
10°-20°	1768.4	16.4
20°-30°	2677.7	24.8
30°-40°	2683.7	24.8
40°-50°	1685.2	15.6
50°-60°	898.1	8.3
60°-70°	369.3	3.4
70°-80°	97.6	0.9
80°-90°	16.5	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5056.7	46.8
0°-40°	7740.4	71.6
0°-60°	10323.6	95.5
0°-90°	10807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10807.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6416	6416	6416	6416	6416	
5°	6222	6406	6635	6406	6222	587
15°	5748	6240	6861	6240	5748	1626
25°	5385	5877	6350	5877	5385	2470
35°	4342	4464	4235	4464	4342	2720
45°	3058	1635	1892	1635	3058	2351
55°	1739	605	639	605	1739	1550
65°	692	185	169	185	692	718
75°	194	38	31	38	194	220
85°	41	0	3	0	41	45
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°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6350.0	6343.7	6340.6	6346.9	6350.0	6362.5	6359.4	6365.6	6365.6	6368.8	6375.0
5°	6221.6	6218.4	6221.6	6221.6	6234.1	6246.6	6243.5	6252.9	6259.1	6274.8	6281.0
7.5°	6102.6	6102.6	6099.3	6111.9	6118.2	6137.0	6133.8	6149.5	6158.9	6174.5	6196.4
10°	5980.3	5980.3	5983.4	5992.8	5996.1	6024.2	6024.2	6046.1	6058.6	6074.3	6102.6
12.5°	5861.3	5861.3	5880.1	5873.8	5886.3	5908.2	5917.7	5939.6	5958.4	5989.7	6018.0
15°	5748.5	5748.5	5754.8	5770.4	5779.8	5808.1	5823.7	5848.8	5870.7	5902.1	5942.8
17.5°	5651.4	5648.3	5651.4	5670.2	5689.0	5714.1	5726.6	5757.9	5779.8	5820.6	5858.2
20°	5554.3	5560.6	5560.6	5576.2	5588.7	5620.1	5632.6	5667.1	5692.1	5729.7	5773.6
22.5°	5469.7	5466.6	5466.6	5488.5	5497.9	5526.1	5538.6	5569.9	5598.1	5629.5	5670.2
25°	5385.1	5378.8	5391.4	5394.5	5400.7	5432.1	5441.5	5463.4	5491.6	5519.9	5560.6
27.5°	5259.8	5253.6	5256.7	5269.2	5278.6	5303.6	5309.9	5331.9	5353.8	5378.8	5413.4
30°	5018.5	5012.3	5009.2	5031.2	5040.6	5059.3	5068.7	5106.3	5112.5	5140.8	5165.8
32.5°	4699.0	4695.9	4702.2	4720.9	4730.3	4755.5	4768.0	4789.9	4805.5	4821.2	4846.3
35°	4342.0	4335.6	4342.0	4360.8	4360.8	4382.7	4392.1	4401.4	4398.3	4401.4	4395.2
37.5°	4009.9	4006.7	4009.9	4019.2	4009.9	4019.2	4009.9	3991.1	3956.7	3919.0	3881.4
40°	3727.9	3731.0	3712.3	3724.8	3690.3	3684.1	3649.7	3602.6	3533.7	3458.6	3352.0
42.5°	3427.2	3417.8	3405.3	3411.5	3383.4	3361.3	3305.0	3245.5	3157.7	3032.5	2904.0
45°	3057.5	3054.4	3048.1	3045.0	3026.2	3004.3	2957.2	2888.4	2791.3	2662.8	2509.3
47.5°	2697.3	2687.9	2687.9	2690.9	2669.0	2665.9	2628.3	2568.8	2484.2	2358.9	2199.2
50°	2352.6	2349.5	2355.8	2368.3	2352.6	2346.4	2321.4	2280.6	2205.5	2099.0	1948.5
52.5°	2042.5	2039.4	2045.7	2061.3	2055.0	2061.3	2036.3	2005.0	1954.8	1851.4	1719.9
55°	1738.7	1738.7	1738.7	1757.4	1757.4	1757.4	1744.9	1726.2	1679.1	1603.9	1481.8
57.5°	1422.3	1425.4	1444.2	1447.3	1444.2	1450.5	1447.3	1428.4	1397.2	1344.0	1250.0
60°	1156.0	1156.0	1165.4	1174.8	1171.6	1174.8	1174.8	1165.4	1134.1	1090.2	1015.1
62.5°	914.7	924.1	917.8	924.1	936.7	924.1	917.8	911.6	889.7	861.5	798.8
65°	692.3	698.6	698.6	701.7	695.4	698.6	686.1	676.7	664.2	632.9	592.1
67.5°	526.4	526.4	526.4	526.4	523.1	520.0	516.9	507.5	485.6	473.1	429.1
70°	404.1	385.3	385.3	385.3	385.3	388.5	379.1	366.6	360.3	338.4	307.0
72.5°	269.4	275.7	269.4	269.4	263.2	266.3	253.8	247.4	241.3	228.7	209.9
75°	194.2	178.6	184.8	188.0	178.6	184.8	172.3	159.8	159.8	150.3	140.9
77.5°	125.3	122.2	125.3	128.4	125.3	122.2	115.9	109.6	109.6	106.5	97.1
80°	90.9	87.7	87.7	87.7	84.6	87.7	81.5	81.5	75.2	72.1	65.8
82.5°	59.6	59.6	56.3	59.6	56.3	59.6	50.2	50.2	50.2	46.9	40.7
85°	40.7	34.4	34.4	37.7	31.3	37.7	34.4	31.3	28.2	28.2	25.0
87.5°	18.8	21.9	18.8	21.9	18.8	18.8	21.9	18.8	18.8	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6384.4	6387.5	6387.5	6400.2	6406.4	6409.5	6409.5	6434.6	6425.2	6431.5	6437.7
5°	6293.7	6312.4	6318.7	6318.7	6353.1	6365.6	6378.1	6406.4	6409.5	6428.3	6450.2
7.5°	6205.9	6227.8	6240.4	6268.5	6290.4	6312.4	6350.0	6368.8	6387.5	6412.7	6440.8
10°	6121.3	6146.4	6171.4	6193.3	6227.8	6256.0	6281.0	6324.9	6346.9	6381.3	6418.9
12.5°	6039.9	6074.3	6096.2	6133.8	6171.4	6196.4	6234.1	6274.8	6309.3	6343.7	6387.5
15°	5967.8	6008.6	6033.6	6074.3	6115.1	6149.5	6190.2	6240.4	6265.4	6306.2	6346.9
17.5°	5889.4	5933.4	5964.7	6002.2	6052.4	6089.9	6124.5	6174.5	6205.9	6249.7	6296.8
20°	5808.1	5851.9	5889.4	5927.1	5977.2	6014.8	6055.5	6105.7	6140.1	6183.9	6221.6
22.5°	5711.0	5751.7	5792.3	5836.2	5886.3	5917.7	5964.7	6008.6	6046.1	6086.8	6124.5
25°	5585.6	5635.8	5667.1	5707.7	5748.5	5782.9	5833.1	5876.9	5908.2	5945.9	5980.3
27.5°	5438.4	5476.0	5501.0	5535.5	5576.2	5607.5	5645.1	5689.0	5720.4	5754.8	5779.8
30°	5187.7	5222.3	5244.2	5269.2	5309.9	5338.2	5369.5	5410.1	5432.1	5457.2	5479.1
32.5°	4858.8	4887.0	4899.5	4918.3	4946.6	4974.7	4999.8	5034.3	5043.7	5059.3	5059.3
35°	4382.7	4388.9	4385.8	4392.1	4404.6	4420.2	4442.1	4464.1	4476.6	4476.6	4467.3
37.5°	3825.0	3787.5	3746.7	3715.4	3706.0	3699.7	3712.3	3721.6	3734.2	3740.4	3724.8
40°	3245.5	3161.0	3070.0	2988.6	2932.2	2907.2	2897.8	2904.0	2904.0	2925.9	2925.9
42.5°	2747.4	2615.8	2481.2	2358.9	2277.4	2214.9	2186.6	2186.6	2189.7	2205.5	2214.9
45°	2333.9	2167.8	2011.2	1876.5	1763.7	1682.2	1644.7	1635.3	1632.2	1638.4	1660.3
47.5°	2017.5	1845.2	1682.2	1516.3	1397.2	1315.8	1281.3	1268.7	1256.2	1268.7	1271.9
50°	1770.0	1591.4	1419.2	1253.1	1127.8	1055.7	1011.8	993.0	989.9	989.9	996.2
52.5°	1544.4	1378.4	1206.1	1037.0	905.3	836.5	795.7	786.3	773.8	786.3	786.3
55°	1331.4	1165.4	996.2	836.5	726.7	654.8	617.1	604.6	598.3	607.7	607.7
57.5°	1099.6	958.6	802.0	657.9	548.3	498.1	469.9	454.3	451.0	457.4	451.0
60°	902.2	783.2	648.5	516.9	432.4	379.1	357.2	350.9	344.5	350.9	350.9
62.5°	714.2	614.0	504.3	404.1	332.0	294.5	269.4	269.4	266.3	266.3	269.4
65°	529.4	451.0	372.8	288.2	231.8	203.6	184.8	184.8	181.7	184.8	181.7
67.5°	385.3	332.0	269.4	209.9	166.1	150.3	137.8	128.4	134.7	128.4	125.3
70°	282.0	238.0	194.2	159.8	128.4	112.8	103.4	100.2	94.0	94.0	94.0
72.5°	188.0	159.8	131.5	103.4	84.6	68.9	65.8	59.6	53.3	56.3	62.7
75°	125.3	106.5	94.0	75.2	56.3	56.3	37.7	37.7	31.3	37.7	28.2
77.5°	87.7	72.1	56.3	46.9	37.7	34.4	25.0	25.0	21.9	21.9	21.9
80°	62.7	53.3	40.7	34.4	25.0	25.0	21.9	18.8	15.6	15.6	18.8
82.5°	37.7	28.2	28.2	25.0	15.6	12.5	9.4	12.5	6.3	6.3	6.3
85°	21.9	18.8	15.6	9.4	6.3	6.3	3.1	0.0	3.1	3.1	0.0
87.5°	12.5	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°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6453.4	6450.2	6456.5	6456.5	6475.3	6472.1	6481.5	6481.5	6475.3	6478.4	6490.9
5°	6475.3	6484.8	6503.5	6519.2	6547.3	6559.9	6575.5	6591.3	6594.4	6603.8	6613.2
7.5°	6475.3	6506.7	6528.6	6556.7	6594.4	6616.3	6650.7	6678.9	6691.5	6707.1	6725.9
10°	6462.7	6494.0	6534.8	6566.1	6613.2	6647.6	6682.0	6725.9	6744.7	6769.7	6794.9
12.5°	6437.7	6472.1	6516.0	6556.7	6610.0	6641.3	6685.1	6725.9	6754.1	6788.6	6816.8
15°	6400.2	6440.8	6481.5	6522.3	6578.6	6616.3	6657.0	6704.0	6732.2	6769.7	6794.9
17.5°	6340.6	6384.4	6422.1	6459.6	6512.9	6556.7	6594.4	6638.2	6666.4	6697.8	6732.2
20°	6268.5	6309.3	6350.0	6381.3	6434.6	6472.1	6512.9	6553.6	6575.5	6581.9	6635.1
22.5°	6177.7	6205.9	6237.2	6287.3	6318.7	6353.1	6390.8	6428.3	6450.2	6484.8	6503.5
25°	6027.3	6055.5	6089.9	6111.9	6149.5	6177.7	6215.3	6256.0	6268.5	6293.7	6312.4
27.5°	5817.5	5833.1	5848.8	5867.5	5889.4	5905.2	5927.1	5945.9	5958.4	5970.9	5983.4
30°	5485.3	5485.3	5485.3	5472.8	5482.2	5491.6	5494.7	5491.6	5491.6	5488.5	5488.5
32.5°	5046.8	5021.8	4993.5	4968.5	4959.1	4946.6	4940.3	4930.8	4915.2	4905.8	4908.9
35°	4454.7	4398.3	4363.9	4332.5	4307.5	4288.7	4279.3	4269.9	4266.8	4254.3	4241.6
37.5°	3715.4	3674.7	3649.7	3630.8	3608.9	3590.1	3593.2	3596.4	3605.7	3599.5	3602.6
40°	2932.2	2922.8	2932.2	2910.3	2904.0	2910.3	2925.9	2947.9	2960.4	2972.9	2994.9
42.5°	2230.5	2246.1	2268.1	2268.1	2277.4	2290.1	2308.8	2343.3	2362.0	2383.9	2409.1
45°	1679.1	1697.9	1726.2	1735.5	1741.8	1757.4	1779.4	1807.5	1820.1	1838.9	1860.8
47.5°	1293.8	1306.3	1321.9	1337.7	1353.3	1359.6	1381.5	1381.5	1397.2	1409.8	1415.9
50°	1008.7	1021.2	1033.7	1043.2	1049.5	1058.9	1065.1	1074.5	1077.6	1083.9	1087.0
52.5°	789.4	805.1	805.1	811.3	820.7	830.1	827.1	830.1	833.2	833.2	842.7
55°	617.1	617.1	626.5	626.5	632.9	629.6	632.9	632.9	632.9	632.9	636.0
57.5°	460.5	463.7	473.1	466.8	463.7	469.9	463.7	469.9	466.8	473.1	463.7
60°	354.0	354.0	357.2	357.2	360.3	360.3	360.3	357.2	357.2	354.0	354.0
62.5°	266.3	269.4	272.6	269.4	269.4	269.4	266.3	266.3	263.2	260.0	260.0
65°	178.6	175.5	181.7	175.5	178.6	178.6	175.5	178.6	169.2	172.3	169.2
67.5°	128.4	125.3	122.2	125.3	122.2	119.0	119.0	122.2	125.3	115.9	115.9
70°	84.6	87.7	84.6	87.7	90.9	90.9	87.7	84.6	87.7	81.5	84.6
72.5°	53.3	53.3	53.3	53.3	53.3	56.3	56.3	56.3	50.2	50.2	46.9
75°	25.0	34.4	28.2	25.0	34.4	34.4	31.3	31.3	28.2	28.2	28.2
77.5°	25.0	18.8	18.8	18.8	18.8	18.8	18.8	18.8	15.6	18.8	15.6
80°	12.5	12.5	12.5	9.4	12.5	12.5	15.6	12.5	12.5	9.4	15.6
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: P248573

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6487.9	6484.8	6487.9	6490.9	6487.9	6484.8	6487.9	6490.9	6478.4	6475.3	6481.5
5°	6625.7	6625.7	6631.9	6635.1	6631.9	6625.7	6625.7	6613.2	6603.8	6594.4	6591.3
7.5°	6744.7	6751.0	6757.2	6760.3	6757.2	6751.0	6744.7	6725.9	6707.1	6691.5	6678.9
10°	6816.8	6826.2	6838.7	6844.9	6838.7	6826.2	6816.8	6794.9	6769.7	6744.7	6725.9
12.5°	6848.1	6857.5	6873.1	6870.0	6873.1	6857.5	6848.1	6816.8	6788.6	6754.1	6725.9
15°	6826.2	6838.7	6854.3	6860.6	6854.3	6838.7	6826.2	6794.9	6769.7	6732.2	6704.0
17.5°	6757.2	6776.0	6785.5	6794.9	6785.5	6776.0	6757.2	6732.2	6697.8	6666.4	6638.2
20°	6663.2	6675.9	6688.4	6691.5	6688.4	6675.9	6663.2	6635.1	6581.9	6575.5	6553.6
22.5°	6528.6	6538.0	6566.1	6556.7	6566.1	6538.0	6528.6	6503.5	6484.8	6450.2	6428.3
25°	6334.3	6343.7	6346.9	6350.0	6346.9	6343.7	6334.3	6312.4	6293.7	6268.5	6256.0
27.5°	5999.2	5999.2	6005.3	6008.6	6005.3	5999.2	5999.2	5983.4	5970.9	5958.4	5945.9
30°	5491.6	5491.6	5491.6	5507.4	5491.6	5491.6	5491.6	5488.5	5488.5	5491.6	5491.6
32.5°	4905.8	4899.5	4893.3	4899.5	4893.3	4899.5	4905.8	4908.9	4905.8	4915.2	4930.8
35°	4241.6	4238.5	4248.0	4235.4	4248.0	4238.5	4241.6	4241.6	4254.3	4266.8	4269.9
37.5°	3605.7	3599.5	3612.0	3599.5	3612.0	3599.5	3605.7	3602.6	3599.5	3605.7	3596.4
40°	3001.2	3007.4	3007.4	3032.5	3007.4	3007.4	3001.2	2994.9	2972.9	2960.4	2947.9
42.5°	2421.6	2440.4	2434.1	2452.9	2434.1	2440.4	2421.6	2409.1	2383.9	2362.0	2343.3
45°	1873.3	1885.9	1885.9	1892.1	1885.9	1885.9	1873.3	1860.8	1838.9	1820.1	1807.5
47.5°	1437.9	1437.9	1437.9	1441.1	1437.9	1437.9	1437.9	1415.9	1409.8	1397.2	1381.5
50°	1093.3	1096.4	1099.6	1102.7	1099.6	1096.4	1093.3	1087.0	1083.9	1077.6	1074.5
52.5°	839.6	842.7	836.5	842.7	836.5	842.7	839.6	842.7	833.2	833.2	830.1
55°	636.0	632.9	636.0	639.1	636.0	632.9	636.0	636.0	632.9	632.9	632.9
57.5°	466.8	460.5	460.5	460.5	460.5	460.5	466.8	463.7	473.1	466.8	469.9
60°	347.8	350.9	350.9	354.0	350.9	350.9	347.8	354.0	354.0	357.2	357.2
62.5°	256.9	266.3	260.0	266.3	260.0	266.3	256.9	260.0	260.0	263.2	266.3
65°	166.1	166.1	166.1	169.2	166.1	166.1	166.1	169.2	172.3	169.2	178.6
67.5°	112.8	115.9	122.2	119.0	122.2	115.9	112.8	115.9	115.9	125.3	122.2
70°	90.9	81.5	81.5	90.9	81.5	81.5	90.9	84.6	81.5	87.7	84.6
72.5°	53.3	46.9	53.3	53.3	53.3	46.9	53.3	46.9	50.2	50.2	56.3
75°	28.2	25.0	21.9	31.3	21.9	25.0	28.2	28.2	28.2	28.2	31.3
77.5°	18.8	15.6	21.9	21.9	21.9	15.6	18.8	15.6	18.8	15.6	18.8
80°	9.4	12.5	9.4	15.6	9.4	12.5	9.4	15.6	9.4	12.5	12.5
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: P248573

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6481.5	6472.1	6475.3	6456.5	6456.5	6450.2	6453.4	6437.7	6431.5	6425.2	6434.6
5°	6575.5	6559.9	6547.3	6519.2	6503.5	6484.8	6475.3	6450.2	6428.3	6409.5	6406.4
7.5°	6650.7	6616.3	6594.4	6556.7	6528.6	6506.7	6475.3	6440.8	6412.7	6387.5	6368.8
10°	6682.0	6647.6	6613.2	6566.1	6534.8	6494.0	6462.7	6418.9	6381.3	6346.9	6324.9
12.5°	6685.1	6641.3	6610.0	6556.7	6516.0	6472.1	6437.7	6387.5	6343.7	6309.3	6274.8
15°	6657.0	6616.3	6578.6	6522.3	6481.5	6440.8	6400.2	6346.9	6306.2	6265.4	6240.4
17.5°	6594.4	6556.7	6512.9	6459.6	6422.1	6384.4	6340.6	6296.8	6249.7	6205.9	6174.5
20°	6512.9	6472.1	6434.6	6381.3	6350.0	6309.3	6268.5	6221.6	6183.9	6140.1	6105.7
22.5°	6390.8	6353.1	6318.7	6287.3	6237.2	6205.9	6177.7	6124.5	6086.8	6046.1	6008.6
25°	6215.3	6177.7	6149.5	6111.9	6089.9	6055.5	6027.3	5980.3	5945.9	5908.2	5876.9
27.5°	5927.1	5905.2	5889.4	5867.5	5848.8	5833.1	5817.5	5779.8	5754.8	5720.4	5689.0
30°	5494.7	5491.6	5482.2	5472.8	5485.3	5485.3	5485.3	5479.1	5457.2	5432.1	5410.1
32.5°	4940.3	4946.6	4959.1	4968.5	4993.5	5021.8	5046.8	5059.3	5059.3	5043.7	5034.3
35°	4279.3	4288.7	4307.5	4332.5	4363.9	4398.3	4454.7	4467.3	4476.6	4476.6	4464.1
37.5°	3593.2	3590.1	3608.9	3630.8	3649.7	3674.7	3715.4	3724.8	3740.4	3734.2	3721.6
40°	2925.9	2910.3	2904.0	2910.3	2932.2	2922.8	2932.2	2925.9	2925.9	2904.0	2904.0
42.5°	2308.8	2290.1	2277.4	2268.1	2268.1	2246.1	2230.5	2214.9	2205.5	2189.7	2186.6
45°	1779.4	1757.4	1741.8	1735.5	1726.2	1697.9	1679.1	1660.3	1638.4	1632.2	1635.3
47.5°	1381.5	1359.6	1353.3	1337.7	1321.9	1306.3	1293.8	1271.9	1268.7	1256.2	1268.7
50°	1065.1	1058.9	1049.5	1043.2	1033.7	1021.2	1008.7	996.2	989.9	989.9	993.0
52.5°	827.1	830.1	820.7	811.3	805.1	805.1	789.4	786.3	786.3	773.8	786.3
55°	632.9	629.6	632.9	626.5	626.5	617.1	617.1	607.7	607.7	598.3	604.6
57.5°	463.7	469.9	463.7	466.8	473.1	463.7	460.5	451.0	457.4	451.0	454.3
60°	360.3	360.3	360.3	357.2	357.2	354.0	354.0	350.9	350.9	344.5	350.9
62.5°	266.3	269.4	269.4	269.4	272.6	269.4	266.3	269.4	266.3	266.3	269.4
65°	175.5	178.6	178.6	175.5	181.7	175.5	178.6	181.7	184.8	181.7	184.8
67.5°	119.0	119.0	122.2	125.3	122.2	125.3	128.4	125.3	128.4	134.7	128.4
70°	87.7	90.9	90.9	87.7	84.6	87.7	84.6	94.0	94.0	94.0	100.2
72.5°	56.3	56.3	53.3	53.3	53.3	53.3	53.3	62.7	56.3	53.3	59.6
75°	31.3	34.4	34.4	25.0	28.2	34.4	25.0	28.2	37.7	31.3	37.7
77.5°	18.8	18.8	18.8	18.8	18.8	18.8	25.0	21.9	21.9	21.9	25.0
80°	15.6	12.5	12.5	9.4	12.5	12.5	12.5	18.8	15.6	15.6	18.8
82.5°	6.3	6.3	3.1	0.0	6.3	6.3	6.3	6.3	6.3	6.3	12.5
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: P248573

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6409.5	6409.5	6406.4	6400.2	6387.5	6387.5	6384.4	6375.0	6368.8	6365.6	6365.6
5°	6378.1	6365.6	6353.1	6318.7	6318.7	6312.4	6293.7	6281.0	6274.8	6259.1	6252.9
7.5°	6350.0	6312.4	6290.4	6268.5	6240.4	6227.8	6205.9	6196.4	6174.5	6158.9	6149.5
10°	6281.0	6256.0	6227.8	6193.3	6171.4	6146.4	6121.3	6102.6	6074.3	6058.6	6046.1
12.5°	6234.1	6196.4	6171.4	6133.8	6096.2	6074.3	6039.9	6018.0	5989.7	5958.4	5939.6
15°	6190.2	6149.5	6115.1	6074.3	6033.6	6008.6	5967.8	5942.8	5902.1	5870.7	5848.8
17.5°	6124.5	6089.9	6052.4	6002.2	5964.7	5933.4	5889.4	5858.2	5820.6	5779.8	5757.9
20°	6055.5	6014.8	5977.2	5927.1	5889.4	5851.9	5808.1	5773.6	5729.7	5692.1	5667.1
22.5°	5964.7	5917.7	5886.3	5836.2	5792.3	5751.7	5711.0	5670.2	5629.5	5598.1	5569.9
25°	5833.1	5782.9	5748.5	5707.7	5667.1	5635.8	5585.6	5560.6	5519.9	5491.6	5463.4
27.5°	5645.1	5607.5	5576.2	5535.5	5501.0	5476.0	5438.4	5413.4	5378.8	5353.8	5331.9
30°	5369.5	5338.2	5309.9	5269.2	5244.2	5222.3	5187.7	5165.8	5140.8	5112.5	5106.3
32.5°	4999.8	4974.7	4946.6	4918.3	4899.5	4887.0	4858.8	4846.3	4821.2	4805.5	4789.9
35°	4442.1	4420.2	4404.6	4392.1	4385.8	4388.9	4382.7	4395.2	4401.4	4398.3	4401.4
37.5°	3712.3	3699.7	3706.0	3715.4	3746.7	3787.5	3825.0	3881.4	3919.0	3956.7	3991.1
40°	2897.8	2907.2	2932.2	2988.6	3070.0	3161.0	3245.5	3352.0	3458.6	3533.7	3602.6
42.5°	2186.6	2214.9	2277.4	2358.9	2481.2	2615.8	2747.4	2904.0	3032.5	3157.7	3245.5
45°	1644.7	1682.2	1763.7	1876.5	2011.2	2167.8	2333.9	2509.3	2662.8	2791.3	2888.4
47.5°	1281.3	1315.8	1397.2	1516.3	1682.2	1845.2	2017.5	2199.2	2358.9	2484.2	2568.8
50°	1011.8	1055.7	1127.8	1253.1	1419.2	1591.4	1770.0	1948.5	2099.0	2205.5	2280.6
52.5°	795.7	836.5	905.3	1037.0	1206.1	1378.4	1544.4	1719.9	1851.4	1954.8	2005.0
55°	617.1	654.8	726.7	836.5	996.2	1165.4	1331.4	1481.8	1603.9	1679.1	1726.2
57.5°	469.9	498.1	548.3	657.9	802.0	958.6	1099.6	1250.0	1344.0	1397.2	1428.4
60°	357.2	379.1	432.4	516.9	648.5	783.2	902.2	1015.1	1090.2	1134.1	1165.4
62.5°	269.4	294.5	332.0	404.1	504.3	614.0	714.2	798.8	861.5	889.7	911.6
65°	184.8	203.6	231.8	288.2	372.8	451.0	529.4	592.1	632.9	664.2	676.7
67.5°	137.8	150.3	166.1	209.9	269.4	332.0	385.3	429.1	473.1	485.6	507.5
70°	103.4	112.8	128.4	159.8	194.2	238.0	282.0	307.0	338.4	360.3	366.6
72.5°	65.8	68.9	84.6	103.4	131.5	159.8	188.0	209.9	228.7	241.3	247.4
75°	37.7	56.3	56.3	75.2	94.0	106.5	125.3	140.9	150.3	159.8	159.8
77.5°	25.0	34.4	37.7	46.9	56.3	72.1	87.7	97.1	106.5	109.6	109.6
80°	21.9	25.0	25.0	34.4	40.7	53.3	62.7	65.8	72.1	75.2	81.5
82.5°	9.4	12.5	15.6	25.0	28.2	28.2	37.7	40.7	46.9	50.2	50.2
85°	3.1	6.3	6.3	9.4	15.6	18.8	21.9	25.0	28.2	28.2	31.3
87.5°	3.1	3.1	0.0	3.1	6.3	6.3	12.5	12.5	12.5	18.8	18.8
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: P248573

CATALOG NUMBER: LD8B100D010 ER8B100840 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8	6415.8
2.5°	6359.4	6362.5	6350.0	6346.9	6340.6	6343.7	6350.0
5°	6243.5	6246.6	6234.1	6221.6	6221.6	6218.4	6221.6
7.5°	6133.8	6137.0	6118.2	6111.9	6099.3	6102.6	6102.6
10°	6024.2	6024.2	5996.1	5992.8	5983.4	5980.3	5980.3
12.5°	5917.7	5908.2	5886.3	5873.8	5880.1	5861.3	5861.3
15°	5823.7	5808.1	5779.8	5770.4	5754.8	5748.5	5748.5
17.5°	5726.6	5714.1	5689.0	5670.2	5651.4	5648.3	5651.4
20°	5632.6	5620.1	5588.7	5576.2	5560.6	5560.6	5554.3
22.5°	5538.6	5526.1	5497.9	5488.5	5466.6	5466.6	5469.7
25°	5441.5	5432.1	5400.7	5394.5	5391.4	5378.8	5385.1
27.5°	5309.9	5303.6	5278.6	5269.2	5256.7	5253.6	5259.8
30°	5068.7	5059.3	5040.6	5031.2	5009.2	5012.3	5018.5
32.5°	4768.0	4755.5	4730.3	4720.9	4702.2	4695.9	4699.0
35°	4392.1	4382.7	4360.8	4360.8	4342.0	4335.6	4342.0
37.5°	4009.9	4019.2	4009.9	4019.2	4009.9	4006.7	4009.9
40°	3649.7	3684.1	3690.3	3724.8	3712.3	3731.0	3727.9
42.5°	3305.0	3361.3	3383.4	3411.5	3405.3	3417.8	3427.2
45°	2957.2	3004.3	3026.2	3045.0	3048.1	3054.4	3057.5
47.5°	2628.3	2665.9	2669.0	2690.9	2687.9	2687.9	2697.3
50°	2321.4	2346.4	2352.6	2368.3	2355.8	2349.5	2352.6
52.5°	2036.3	2061.3	2055.0	2061.3	2045.7	2039.4	2042.5
55°	1744.9	1757.4	1757.4	1757.4	1738.7	1738.7	1738.7
57.5°	1447.3	1450.5	1444.2	1447.3	1444.2	1425.4	1422.3
60°	1174.8	1174.8	1171.6	1174.8	1165.4	1156.0	1156.0
62.5°	917.8	924.1	936.7	924.1	917.8	924.1	914.7
65°	686.1	698.6	695.4	701.7	698.6	698.6	692.3
67.5°	516.9	520.0	523.1	526.4	526.4	526.4	526.4
70°	379.1	388.5	385.3	385.3	385.3	385.3	404.1
72.5°	253.8	266.3	263.2	269.4	269.4	275.7	269.4
75°	172.3	184.8	178.6	188.0	184.8	178.6	194.2
77.5°	115.9	122.2	125.3	128.4	125.3	122.2	125.3
80°	81.5	87.7	84.6	87.7	87.7	87.7	90.9
82.5°	50.2	59.6	56.3	59.6	56.3	59.6	59.6
85°	34.4	37.7	31.3	37.7	34.4	34.4	40.7
87.5°	21.9	18.8	18.8	21.9	18.8	21.9	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)