

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: P248727

Luminaire Tested: **LD8B120D010 ER8B120940 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248727
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: LD8B120D010 ER8B120940 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10887.0 lumens
Efficiency: N/A
Efficacy: 92.0 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

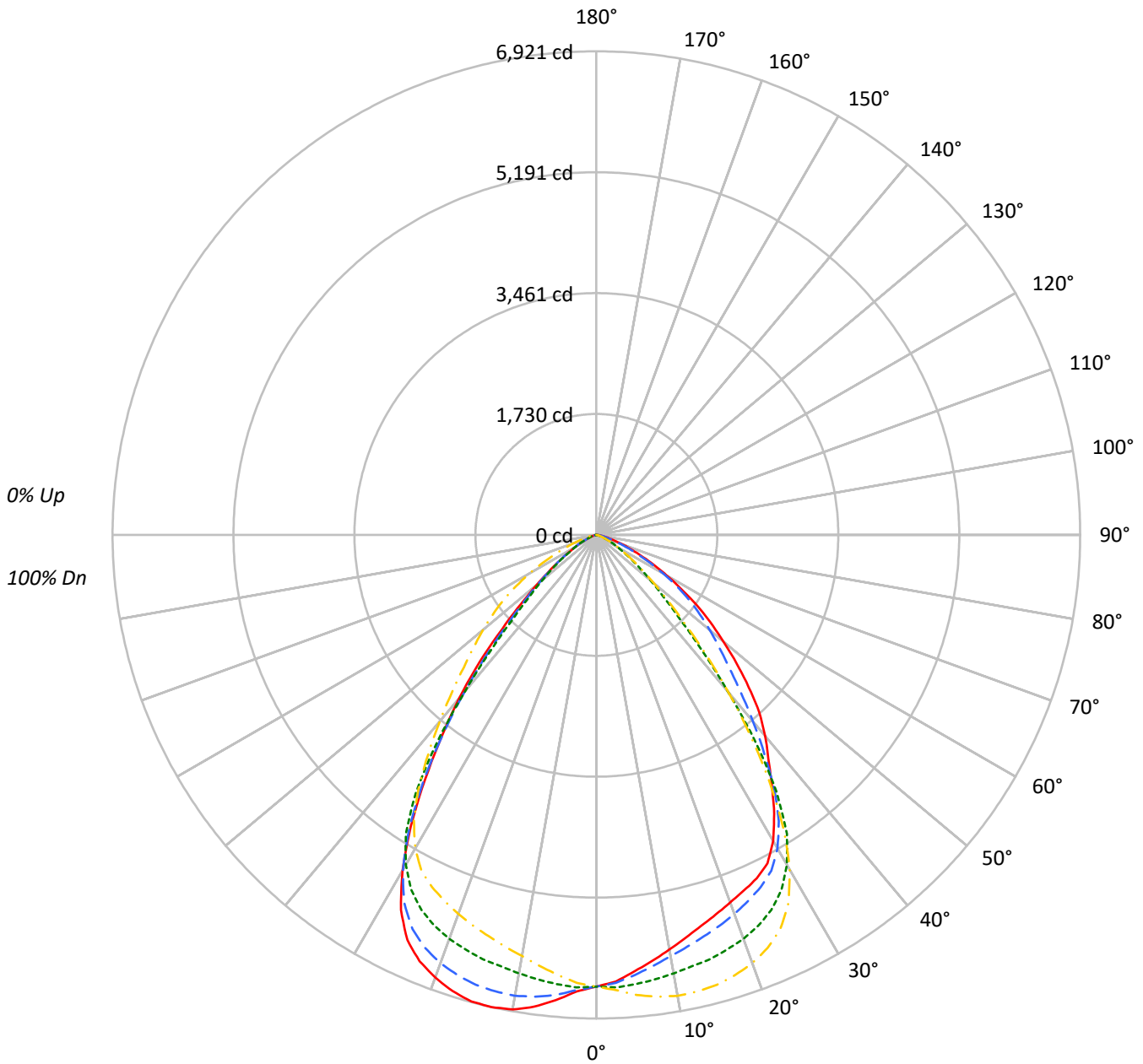
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



TEST NUMBER: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 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	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°	199304	199304	199304	199304
5°	194008	199772	206903	199772
10°	188642	199511	215915	199511
15°	184872	200694	220640	200694
20°	183615	201844	221208	201844
25°	184581	201436	217652	201436
30°	180017	194064	197550	194064
35°	164659	169290	160620	169290
40°	151174	117763	122976	117763
45°	134325	71842	83123	71842
50°	113696	47992	53293	47992
55°	94169	32746	34612	32746
60°	71818	21801	21992	21801
65°	50886	13579	12433	13579
70°	36704	9097	8259	9097
75°	23304	4515	3765	4515
80°	16266	3374	2788	3374
85°	14506	0	1097	0



TEST NUMBER: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.2	5.7
10°-20°	1781.4	16.4
20°-30°	2697.5	24.8
30°-40°	2703.5	24.8
40°-50°	1697.7	15.6
50°-60°	904.7	8.3
60°-70°	372.0	3.4
70°-80°	98.3	0.9
80°-90°	16.6	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°	5094.1	46.8
0°-40°	7797.7	71.6
0°-60°	10400.1	95.5
0°-90°	10887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10887.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6463	6463	6463	6463	6463	
5°	6268	6454	6684	6454	6268	591
15°	5791	6287	6911	6287	5791	1638
25°	5425	5920	6397	5920	5425	2488
35°	4374	4497	4267	4497	4374	2740
45°	3080	1647	1906	1647	3080	2369
55°	1752	609	644	609	1752	1562
65°	697	186	170	186	697	723
75°	196	38	32	38	196	222
85°	41	0	3	0	41	45
90°	0	0	0	0	0	



TEST NUMBER: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6397.0	6390.7	6387.5	6393.9	6397.0	6409.6	6406.5	6412.7	6412.7	6416.0	6422.2
5°	6267.6	6264.4	6267.6	6267.6	6280.2	6292.8	6289.7	6299.2	6305.4	6321.3	6327.5
7.5°	6147.7	6147.7	6144.5	6157.1	6163.5	6182.4	6179.2	6195.0	6204.5	6220.2	6242.3
10°	6024.6	6024.6	6027.7	6037.2	6040.4	6068.8	6068.8	6090.8	6103.4	6119.3	6147.7
12.5°	5904.7	5904.7	5923.7	5917.3	5929.9	5952.0	5961.5	5983.5	6002.5	6034.1	6062.5
15°	5791.0	5791.0	5797.4	5813.1	5822.6	5851.1	5866.8	5892.1	5914.2	5945.7	5986.8
17.5°	5693.2	5690.1	5693.2	5712.2	5731.2	5756.4	5769.0	5800.5	5822.6	5863.7	5901.6
20°	5595.4	5601.8	5601.8	5617.5	5630.1	5661.7	5674.3	5709.1	5734.3	5772.1	5816.4
22.5°	5510.2	5507.1	5507.1	5529.2	5538.6	5567.0	5579.6	5611.1	5639.6	5671.1	5712.2
25°	5425.0	5418.6	5431.3	5434.5	5440.7	5472.3	5481.7	5503.8	5532.3	5560.7	5601.8
27.5°	5298.7	5292.5	5295.6	5308.2	5317.7	5342.9	5349.3	5371.3	5393.4	5418.6	5453.4
30°	5055.7	5049.4	5046.3	5068.4	5077.9	5096.7	5106.2	5144.1	5150.4	5178.8	5204.0
32.5°	4733.8	4730.7	4737.0	4755.9	4765.4	4790.7	4803.3	4825.4	4841.1	4856.9	4882.1
35°	4374.1	4367.7	4374.1	4393.1	4393.1	4415.1	4424.6	4434.0	4430.9	4434.0	4427.7
37.5°	4039.6	4036.4	4039.6	4049.0	4039.6	4049.0	4039.6	4020.6	3986.0	3948.0	3910.1
40°	3755.5	3758.6	3739.8	3752.4	3717.6	3711.4	3676.7	3629.3	3559.9	3484.2	3376.9
42.5°	3452.6	3443.1	3430.5	3436.7	3408.4	3386.2	3329.4	3269.6	3181.1	3055.0	2925.5
45°	3080.2	3077.1	3070.7	3067.6	3048.6	3026.5	2979.1	2909.7	2811.9	2682.5	2527.8
47.5°	2717.2	2707.7	2707.7	2710.9	2688.8	2685.7	2647.7	2587.9	2502.6	2376.4	2215.4
50°	2370.0	2366.9	2373.3	2385.9	2370.0	2363.8	2338.6	2297.5	2221.8	2114.5	1962.9
52.5°	2057.6	2054.5	2060.9	2076.6	2070.2	2076.6	2051.4	2019.8	1969.3	1865.1	1732.6
55°	1751.6	1751.6	1751.6	1770.4	1770.4	1770.4	1757.8	1739.0	1691.5	1615.8	1492.8
57.5°	1432.8	1435.9	1454.9	1458.0	1454.9	1461.2	1458.0	1439.0	1407.6	1353.9	1259.2
60°	1164.5	1164.5	1174.0	1183.5	1180.3	1183.5	1183.5	1174.0	1142.5	1098.3	1022.6
62.5°	921.5	931.0	924.6	931.0	943.6	931.0	924.6	918.4	896.3	867.9	804.7
65°	697.4	703.8	703.8	706.9	700.5	703.8	691.2	681.7	669.1	637.5	596.5
67.5°	530.2	530.2	530.2	530.2	527.0	523.9	520.8	511.3	489.2	476.6	432.3
70°	407.1	388.1	388.1	388.1	388.1	391.4	381.9	369.3	362.9	340.9	309.3
72.5°	271.4	277.7	271.4	271.4	265.1	268.2	255.6	249.3	243.0	230.4	211.5
75°	195.6	179.9	186.1	189.4	179.9	186.1	173.5	160.9	160.9	151.5	142.0
77.5°	126.3	123.1	126.3	129.4	126.3	123.1	116.8	110.4	110.4	107.3	97.8
80°	91.6	88.3	88.3	88.3	85.2	88.3	82.1	82.1	75.7	72.6	66.2
82.5°	60.0	60.0	56.8	60.0	56.8	60.0	50.5	50.5	50.5	47.3	41.0
85°	41.0	34.7	34.7	37.9	31.6	37.9	34.7	31.6	28.4	28.4	25.2
87.5°	19.0	22.1	19.0	22.1	19.0	19.0	22.1	19.0	19.0	12.6	12.6
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: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6431.7	6434.8	6434.8	6447.5	6453.8	6456.9	6456.9	6482.2	6472.7	6479.1	6485.4
5°	6340.3	6359.1	6365.5	6365.5	6400.1	6412.7	6425.3	6453.8	6456.9	6475.9	6498.0
7.5°	6251.8	6273.9	6286.6	6314.9	6337.0	6359.1	6397.0	6416.0	6434.8	6460.1	6488.5
10°	6166.6	6191.9	6217.1	6239.2	6273.9	6302.3	6327.5	6371.7	6393.9	6428.6	6466.4
12.5°	6084.6	6119.3	6141.4	6179.2	6217.1	6242.3	6280.2	6321.3	6356.0	6390.7	6434.8
15°	6012.0	6053.0	6078.2	6119.3	6160.3	6195.0	6236.1	6286.6	6311.8	6352.9	6393.9
17.5°	5933.0	5977.3	6008.9	6046.7	6097.2	6135.0	6169.8	6220.2	6251.8	6296.0	6343.4
20°	5851.1	5895.2	5933.0	5970.9	6021.5	6059.3	6100.3	6150.9	6185.5	6229.7	6267.6
22.5°	5753.2	5794.3	5835.2	5879.4	5929.9	5961.5	6008.9	6053.0	6090.8	6131.9	6169.8
25°	5627.0	5677.5	5709.1	5750.0	5791.0	5825.7	5876.3	5920.4	5952.0	5989.9	6024.6
27.5°	5478.6	5516.6	5541.8	5576.4	5617.5	5649.1	5686.9	5731.2	5762.7	5797.4	5822.6
30°	5226.1	5260.9	5283.0	5308.2	5349.3	5377.7	5409.3	5450.2	5472.3	5497.6	5519.7
32.5°	4894.7	4923.2	4935.8	4954.7	4983.2	5011.5	5036.8	5071.5	5081.0	5096.7	5096.7
35°	4415.1	4421.4	4418.3	4424.6	4437.2	4452.9	4475.0	4497.1	4509.7	4509.7	4500.4
37.5°	3853.3	3815.5	3774.5	3742.9	3733.4	3727.1	3739.8	3749.2	3761.9	3768.1	3752.4
40°	3269.6	3184.4	3092.8	3010.7	2953.9	2928.7	2919.2	2925.5	2925.5	2947.5	2947.5
42.5°	2767.8	2635.1	2499.5	2376.4	2294.3	2231.3	2202.8	2202.8	2205.9	2221.8	2231.3
45°	2351.2	2183.9	2026.0	1890.4	1776.8	1694.7	1656.9	1647.4	1644.3	1650.5	1672.6
47.5°	2032.4	1858.9	1694.7	1527.5	1407.6	1325.5	1290.8	1278.1	1265.5	1278.1	1281.3
50°	1783.1	1603.2	1429.7	1262.4	1136.1	1063.5	1019.3	1000.4	997.2	997.2	1003.6
52.5°	1555.8	1388.6	1215.1	1044.6	912.0	842.7	801.6	792.1	779.5	792.1	792.1
55°	1341.2	1174.0	1003.6	842.7	732.1	659.6	621.7	609.1	602.7	612.2	612.2
57.5°	1107.8	965.7	808.0	662.7	552.3	501.8	473.4	457.6	454.4	460.8	454.4
60°	908.9	789.0	653.3	520.8	435.6	381.9	359.8	353.5	347.1	353.5	353.5
62.5°	719.5	618.6	508.0	407.1	334.5	296.7	271.4	271.4	268.2	268.2	271.4
65°	533.4	454.4	375.5	290.3	233.6	205.1	186.1	186.1	183.0	186.1	183.0
67.5°	388.1	334.5	271.4	211.5	167.3	151.5	138.9	129.4	135.7	129.4	126.3
70°	284.1	239.8	195.6	160.9	129.4	113.7	104.2	100.9	94.7	94.7	94.7
72.5°	189.4	160.9	132.5	104.2	85.2	69.4	66.2	60.0	53.6	56.8	63.1
75°	126.3	107.3	94.7	75.7	56.8	56.8	37.9	37.9	31.6	37.9	28.4
77.5°	88.3	72.6	56.8	47.3	37.9	34.7	25.2	25.2	22.1	22.1	22.1
80°	63.1	53.6	41.0	34.7	25.2	25.2	22.1	19.0	15.7	15.7	19.0
82.5°	37.9	28.4	28.4	25.2	15.7	12.6	9.5	12.6	6.4	6.4	6.4
85°	22.1	19.0	15.7	9.5	6.4	6.4	3.1	0.0	3.1	3.1	0.0
87.5°	12.6	6.4	6.4	3.1	0.0	3.1	3.1	0.0	0.0	0.0	6.4
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: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6501.2	6498.0	6504.3	6504.3	6523.3	6520.0	6529.5	6529.5	6523.3	6526.4	6539.0
5°	6523.3	6532.8	6551.6	6567.4	6595.8	6608.5	6624.2	6640.1	6643.2	6652.7	6662.1
7.5°	6523.3	6554.8	6576.9	6605.2	6643.2	6665.3	6699.9	6728.4	6741.0	6756.7	6775.7
10°	6510.6	6542.1	6583.2	6614.7	6662.1	6696.8	6731.5	6775.7	6794.6	6819.8	6845.2
12.5°	6485.4	6520.0	6564.2	6605.2	6658.9	6690.5	6734.6	6775.7	6804.1	6838.8	6867.3
15°	6447.5	6488.5	6529.5	6570.6	6627.3	6665.3	6706.3	6753.6	6782.0	6819.8	6845.2
17.5°	6387.5	6431.7	6469.6	6507.4	6561.1	6605.2	6643.2	6687.3	6715.8	6747.4	6782.0
20°	6314.9	6356.0	6397.0	6428.6	6482.2	6520.0	6561.1	6602.1	6624.2	6630.6	6684.2
22.5°	6223.5	6251.8	6283.4	6333.9	6365.5	6400.1	6438.1	6475.9	6498.0	6532.8	6551.6
25°	6071.9	6100.3	6135.0	6157.1	6195.0	6223.5	6261.3	6302.3	6314.9	6340.3	6359.1
27.5°	5860.5	5876.3	5892.1	5910.9	5933.0	5948.9	5970.9	5989.9	6002.5	6015.1	6027.7
30°	5525.9	5525.9	5525.9	5513.3	5522.8	5532.3	5535.4	5532.3	5532.3	5529.2	5529.2
32.5°	5084.1	5058.9	5030.5	5005.3	4995.8	4983.2	4976.8	4967.3	4951.6	4942.1	4945.3
35°	4487.6	4430.9	4396.2	4364.6	4339.4	4320.4	4311.0	4301.5	4298.4	4285.8	4273.0
37.5°	3742.9	3701.9	3676.7	3657.7	3635.6	3616.7	3619.8	3623.0	3632.4	3626.1	3629.3
40°	2953.9	2944.4	2953.9	2931.8	2925.5	2931.8	2947.5	2969.8	2982.4	2995.0	3017.0
42.5°	2247.0	2262.7	2284.9	2284.9	2294.3	2307.0	2325.8	2360.7	2379.5	2401.6	2426.9
45°	1691.5	1710.5	1739.0	1748.3	1754.7	1770.4	1792.6	1820.9	1833.5	1852.5	1874.6
47.5°	1303.4	1316.0	1331.7	1347.6	1363.3	1369.7	1391.7	1391.7	1407.6	1420.2	1426.4
50°	1016.2	1028.8	1041.4	1050.9	1057.3	1066.7	1073.0	1082.5	1085.6	1091.9	1095.1
52.5°	795.2	811.1	811.1	817.3	826.8	836.3	833.2	836.3	839.4	839.4	848.9
55°	621.7	621.7	631.2	631.2	637.5	634.3	637.5	637.5	637.5	637.5	640.7
57.5°	463.9	467.1	476.6	470.2	467.1	473.4	467.1	473.4	470.2	476.6	467.1
60°	356.6	356.6	359.8	359.8	362.9	362.9	362.9	359.8	359.8	356.6	356.6
62.5°	268.2	271.4	274.6	271.4	271.4	271.4	268.2	268.2	265.1	261.9	261.9
65°	179.9	176.8	183.0	176.8	179.9	179.9	176.8	179.9	170.4	173.5	170.4
67.5°	129.4	126.3	123.1	126.3	123.1	119.9	119.9	123.1	126.3	116.8	116.8
70°	85.2	88.3	85.2	88.3	91.6	91.6	88.3	85.2	88.3	82.1	85.2
72.5°	53.6	53.6	53.6	53.6	53.6	56.8	56.8	56.8	50.5	50.5	47.3
75°	25.2	34.7	28.4	25.2	34.7	34.7	31.6	31.6	28.4	28.4	28.4
77.5°	25.2	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.7	19.0	15.7
80°	12.6	12.6	12.6	9.5	12.6	12.6	15.7	12.6	12.6	9.5	15.7
82.5°	6.4	6.4	6.4	0.0	3.1	6.4	6.4	3.1	6.4	6.4	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: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6535.9	6532.8	6535.9	6539.0	6535.9	6532.8	6535.9	6539.0	6526.4	6523.3	6529.5
5°	6674.7	6674.7	6681.0	6684.2	6681.0	6674.7	6674.7	6662.1	6652.7	6643.2	6640.1
7.5°	6794.6	6801.0	6807.2	6810.4	6807.2	6801.0	6794.6	6775.7	6756.7	6741.0	6728.4
10°	6867.3	6876.7	6889.3	6895.6	6889.3	6876.7	6867.3	6845.2	6819.8	6794.6	6775.7
12.5°	6898.8	6908.3	6924.0	6920.9	6924.0	6908.3	6898.8	6867.3	6838.8	6804.1	6775.7
15°	6876.7	6889.3	6905.1	6911.4	6905.1	6889.3	6876.7	6845.2	6819.8	6782.0	6753.6
17.5°	6807.2	6826.2	6835.7	6845.2	6835.7	6826.2	6807.2	6782.0	6747.4	6715.8	6687.3
20°	6712.5	6725.3	6737.9	6741.0	6737.9	6725.3	6712.5	6684.2	6630.6	6624.2	6602.1
22.5°	6576.9	6586.4	6614.7	6605.2	6614.7	6586.4	6576.9	6551.6	6532.8	6498.0	6475.9
25°	6381.2	6390.7	6393.9	6397.0	6393.9	6390.7	6381.2	6359.1	6340.3	6314.9	6302.3
27.5°	6043.6	6043.6	6049.8	6053.0	6049.8	6043.6	6043.6	6027.7	6015.1	6002.5	5989.9
30°	5532.3	5532.3	5532.3	5548.1	5532.3	5532.3	5532.3	5529.2	5529.2	5532.3	5532.3
32.5°	4942.1	4935.8	4929.5	4935.8	4929.5	4935.8	4942.1	4945.3	4942.1	4951.6	4967.3
35°	4273.0	4269.9	4279.4	4266.8	4279.4	4269.9	4273.0	4273.0	4285.8	4298.4	4301.5
37.5°	3632.4	3626.1	3638.7	3626.1	3638.7	3626.1	3632.4	3629.3	3626.1	3632.4	3623.0
40°	3023.4	3029.6	3029.6	3055.0	3029.6	3029.6	3023.4	3017.0	2995.0	2982.4	2969.8
42.5°	2439.5	2458.5	2452.1	2471.1	2452.1	2458.5	2439.5	2426.9	2401.6	2379.5	2360.7
45°	1887.2	1899.9	1899.9	1906.1	1899.9	1899.9	1887.2	1874.6	1852.5	1833.5	1820.9
47.5°	1448.5	1448.5	1448.5	1451.8	1448.5	1448.5	1448.5	1426.4	1420.2	1407.6	1391.7
50°	1101.4	1104.5	1107.8	1110.9	1107.8	1104.5	1101.4	1095.1	1091.9	1085.6	1082.5
52.5°	845.8	848.9	842.7	848.9	842.7	848.9	845.8	848.9	839.4	839.4	836.3
55°	640.7	637.5	640.7	643.8	640.7	637.5	640.7	640.7	637.5	637.5	637.5
57.5°	470.2	463.9	463.9	463.9	463.9	463.9	470.2	467.1	476.6	470.2	473.4
60°	350.3	353.5	353.5	356.6	353.5	353.5	350.3	356.6	356.6	359.8	359.8
62.5°	258.8	268.2	261.9	268.2	261.9	268.2	258.8	261.9	261.9	265.1	268.2
65°	167.3	167.3	167.3	170.4	167.3	167.3	167.3	170.4	173.5	170.4	179.9
67.5°	113.7	116.8	123.1	119.9	123.1	116.8	113.7	116.8	116.8	126.3	123.1
70°	91.6	82.1	82.1	91.6	82.1	82.1	91.6	85.2	82.1	88.3	85.2
72.5°	53.6	47.3	53.6	53.6	53.6	47.3	53.6	47.3	50.5	50.5	56.8
75°	28.4	25.2	22.1	31.6	22.1	25.2	28.4	28.4	28.4	28.4	31.6
77.5°	19.0	15.7	22.1	22.1	22.1	15.7	19.0	15.7	19.0	15.7	19.0
80°	9.5	12.6	9.5	15.7	9.5	12.6	9.5	15.7	9.5	12.6	12.6
82.5°	3.1	6.4	6.4	6.4	6.4	6.4	3.1	3.1	6.4	6.4	3.1
85°	0.0	6.4	3.1	3.1	3.1	6.4	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: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6529.5	6520.0	6523.3	6504.3	6504.3	6498.0	6501.2	6485.4	6479.1	6472.7	6482.2
5°	6624.2	6608.5	6595.8	6567.4	6551.6	6532.8	6523.3	6498.0	6475.9	6456.9	6453.8
7.5°	6699.9	6665.3	6643.2	6605.2	6576.9	6554.8	6523.3	6488.5	6460.1	6434.8	6416.0
10°	6731.5	6696.8	6662.1	6614.7	6583.2	6542.1	6510.6	6466.4	6428.6	6393.9	6371.7
12.5°	6734.6	6690.5	6658.9	6605.2	6564.2	6520.0	6485.4	6434.8	6390.7	6356.0	6321.3
15°	6706.3	6665.3	6627.3	6570.6	6529.5	6488.5	6447.5	6393.9	6352.9	6311.8	6286.6
17.5°	6643.2	6605.2	6561.1	6507.4	6469.6	6431.7	6387.5	6343.4	6296.0	6251.8	6220.2
20°	6561.1	6520.0	6482.2	6428.6	6397.0	6356.0	6314.9	6267.6	6229.7	6185.5	6150.9
22.5°	6438.1	6400.1	6365.5	6333.9	6283.4	6251.8	6223.5	6169.8	6131.9	6090.8	6053.0
25°	6261.3	6223.5	6195.0	6157.1	6135.0	6100.3	6071.9	6024.6	5989.9	5952.0	5920.4
27.5°	5970.9	5948.9	5933.0	5910.9	5892.1	5876.3	5860.5	5822.6	5797.4	5762.7	5731.2
30°	5535.4	5532.3	5522.8	5513.3	5525.9	5525.9	5525.9	5519.7	5497.6	5472.3	5450.2
32.5°	4976.8	4983.2	4995.8	5005.3	5030.5	5058.9	5084.1	5096.7	5096.7	5081.0	5071.5
35°	4311.0	4320.4	4339.4	4364.6	4396.2	4430.9	4487.6	4500.4	4509.7	4509.7	4497.1
37.5°	3619.8	3616.7	3635.6	3657.7	3676.7	3701.9	3742.9	3752.4	3768.1	3761.9	3749.2
40°	2947.5	2931.8	2925.5	2931.8	2953.9	2944.4	2953.9	2947.5	2947.5	2925.5	2925.5
42.5°	2325.8	2307.0	2294.3	2284.9	2284.9	2262.7	2247.0	2231.3	2221.8	2205.9	2202.8
45°	1792.6	1770.4	1754.7	1748.3	1739.0	1710.5	1691.5	1672.6	1650.5	1644.3	1647.4
47.5°	1391.7	1369.7	1363.3	1347.6	1331.7	1316.0	1303.4	1281.3	1278.1	1265.5	1278.1
50°	1073.0	1066.7	1057.3	1050.9	1041.4	1028.8	1016.2	1003.6	997.2	997.2	1000.4
52.5°	833.2	836.3	826.8	817.3	811.1	811.1	795.2	792.1	792.1	779.5	792.1
55°	637.5	634.3	637.5	631.2	631.2	621.7	621.7	612.2	612.2	602.7	609.1
57.5°	467.1	473.4	467.1	470.2	476.6	467.1	463.9	454.4	460.8	454.4	457.6
60°	362.9	362.9	362.9	359.8	359.8	356.6	356.6	353.5	353.5	347.1	353.5
62.5°	268.2	271.4	271.4	271.4	274.6	271.4	268.2	271.4	268.2	268.2	271.4
65°	176.8	179.9	179.9	176.8	183.0	176.8	179.9	183.0	186.1	183.0	186.1
67.5°	119.9	119.9	123.1	126.3	123.1	126.3	129.4	126.3	129.4	135.7	129.4
70°	88.3	91.6	91.6	88.3	85.2	88.3	85.2	94.7	94.7	94.7	100.9
72.5°	56.8	56.8	53.6	53.6	53.6	53.6	53.6	63.1	56.8	53.6	60.0
75°	31.6	34.7	34.7	25.2	28.4	34.7	25.2	28.4	37.9	31.6	37.9
77.5°	19.0	19.0	19.0	19.0	19.0	19.0	25.2	22.1	22.1	22.1	25.2
80°	15.7	12.6	12.6	9.5	12.6	12.6	12.6	19.0	15.7	15.7	19.0
82.5°	6.4	6.4	3.1	0.0	6.4	6.4	6.4	6.4	6.4	6.4	12.6
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	6.4	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: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6456.9	6456.9	6453.8	6447.5	6434.8	6434.8	6431.7	6422.2	6416.0	6412.7	6412.7
5°	6425.3	6412.7	6400.1	6365.5	6365.5	6359.1	6340.3	6327.5	6321.3	6305.4	6299.2
7.5°	6397.0	6359.1	6337.0	6314.9	6286.6	6273.9	6251.8	6242.3	6220.2	6204.5	6195.0
10°	6327.5	6302.3	6273.9	6239.2	6217.1	6191.9	6166.6	6147.7	6119.3	6103.4	6090.8
12.5°	6280.2	6242.3	6217.1	6179.2	6141.4	6119.3	6084.6	6062.5	6034.1	6002.5	5983.5
15°	6236.1	6195.0	6160.3	6119.3	6078.2	6053.0	6012.0	5986.8	5945.7	5914.2	5892.1
17.5°	6169.8	6135.0	6097.2	6046.7	6008.9	5977.3	5933.0	5901.6	5863.7	5822.6	5800.5
20°	6100.3	6059.3	6021.5	5970.9	5933.0	5895.2	5851.1	5816.4	5772.1	5734.3	5709.1
22.5°	6008.9	5961.5	5929.9	5879.4	5835.2	5794.3	5753.2	5712.2	5671.1	5639.6	5611.1
25°	5876.3	5825.7	5791.0	5750.0	5709.1	5677.5	5627.0	5601.8	5560.7	5532.3	5503.8
27.5°	5686.9	5649.1	5617.5	5576.4	5541.8	5516.6	5478.6	5453.4	5418.6	5393.4	5371.3
30°	5409.3	5377.7	5349.3	5308.2	5283.0	5260.9	5226.1	5204.0	5178.8	5150.4	5144.1
32.5°	5036.8	5011.5	4983.2	4954.7	4935.8	4923.2	4894.7	4882.1	4856.9	4841.1	4825.4
35°	4475.0	4452.9	4437.2	4424.6	4418.3	4421.4	4415.1	4427.7	4434.0	4430.9	4434.0
37.5°	3739.8	3727.1	3733.4	3742.9	3774.5	3815.5	3853.3	3910.1	3948.0	3986.0	4020.6
40°	2919.2	2928.7	2953.9	3010.7	3092.8	3184.4	3269.6	3376.9	3484.2	3559.9	3629.3
42.5°	2202.8	2231.3	2294.3	2376.4	2499.5	2635.1	2767.8	2925.5	3055.0	3181.1	3269.6
45°	1656.9	1694.7	1776.8	1890.4	2026.0	2183.9	2351.2	2527.8	2682.5	2811.9	2909.7
47.5°	1290.8	1325.5	1407.6	1527.5	1694.7	1858.9	2032.4	2215.4	2376.4	2502.6	2587.9
50°	1019.3	1063.5	1136.1	1262.4	1429.7	1603.2	1783.1	1962.9	2114.5	2221.8	2297.5
52.5°	801.6	842.7	912.0	1044.6	1215.1	1388.6	1555.8	1732.6	1865.1	1969.3	2019.8
55°	621.7	659.6	732.1	842.7	1003.6	1174.0	1341.2	1492.8	1615.8	1691.5	1739.0
57.5°	473.4	501.8	552.3	662.7	808.0	965.7	1107.8	1259.2	1353.9	1407.6	1439.0
60°	359.8	381.9	435.6	520.8	653.3	789.0	908.9	1022.6	1098.3	1142.5	1174.0
62.5°	271.4	296.7	334.5	407.1	508.0	618.6	719.5	804.7	867.9	896.3	918.4
65°	186.1	205.1	233.6	290.3	375.5	454.4	533.4	596.5	637.5	669.1	681.7
67.5°	138.9	151.5	167.3	211.5	271.4	334.5	388.1	432.3	476.6	489.2	511.3
70°	104.2	113.7	129.4	160.9	195.6	239.8	284.1	309.3	340.9	362.9	369.3
72.5°	66.2	69.4	85.2	104.2	132.5	160.9	189.4	211.5	230.4	243.0	249.3
75°	37.9	56.8	56.8	75.7	94.7	107.3	126.3	142.0	151.5	160.9	160.9
77.5°	25.2	34.7	37.9	47.3	56.8	72.6	88.3	97.8	107.3	110.4	110.4
80°	22.1	25.2	25.2	34.7	41.0	53.6	63.1	66.2	72.6	75.7	82.1
82.5°	9.5	12.6	15.7	25.2	28.4	28.4	37.9	41.0	47.3	50.5	50.5
85°	3.1	6.4	6.4	9.5	15.7	19.0	22.1	25.2	28.4	28.4	31.6
87.5°	3.1	3.1	0.0	3.1	6.4	6.4	12.6	12.6	12.6	19.0	19.0
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: P248727

CATALOG NUMBER: LD8B120D010 ER8B120940 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3	6463.3
2.5°	6406.5	6409.6	6397.0	6393.9	6387.5	6390.7	6397.0
5°	6289.7	6292.8	6280.2	6267.6	6267.6	6264.4	6267.6
7.5°	6179.2	6182.4	6163.5	6157.1	6144.5	6147.7	6147.7
10°	6068.8	6068.8	6040.4	6037.2	6027.7	6024.6	6024.6
12.5°	5961.5	5952.0	5929.9	5917.3	5923.7	5904.7	5904.7
15°	5866.8	5851.1	5822.6	5813.1	5797.4	5791.0	5791.0
17.5°	5769.0	5756.4	5731.2	5712.2	5693.2	5690.1	5693.2
20°	5674.3	5661.7	5630.1	5617.5	5601.8	5601.8	5595.4
22.5°	5579.6	5567.0	5538.6	5529.2	5507.1	5507.1	5510.2
25°	5481.7	5472.3	5440.7	5434.5	5431.3	5418.6	5425.0
27.5°	5349.3	5342.9	5317.7	5308.2	5295.6	5292.5	5298.7
30°	5106.2	5096.7	5077.9	5068.4	5046.3	5049.4	5055.7
32.5°	4803.3	4790.7	4765.4	4755.9	4737.0	4730.7	4733.8
35°	4424.6	4415.1	4393.1	4393.1	4374.1	4367.7	4374.1
37.5°	4039.6	4049.0	4039.6	4049.0	4039.6	4036.4	4039.6
40°	3676.7	3711.4	3717.6	3752.4	3739.8	3758.6	3755.5
42.5°	3329.4	3386.2	3408.4	3436.7	3430.5	3443.1	3452.6
45°	2979.1	3026.5	3048.6	3067.6	3070.7	3077.1	3080.2
47.5°	2647.7	2685.7	2688.8	2710.9	2707.7	2707.7	2717.2
50°	2338.6	2363.8	2370.0	2385.9	2373.3	2366.9	2370.0
52.5°	2051.4	2076.6	2070.2	2076.6	2060.9	2054.5	2057.6
55°	1757.8	1770.4	1770.4	1770.4	1751.6	1751.6	1751.6
57.5°	1458.0	1461.2	1454.9	1458.0	1454.9	1435.9	1432.8
60°	1183.5	1183.5	1180.3	1183.5	1174.0	1164.5	1164.5
62.5°	924.6	931.0	943.6	931.0	924.6	931.0	921.5
65°	691.2	703.8	700.5	706.9	703.8	703.8	697.4
67.5°	520.8	523.9	527.0	530.2	530.2	530.2	530.2
70°	381.9	391.4	388.1	388.1	388.1	388.1	407.1
72.5°	255.6	268.2	265.1	271.4	271.4	277.7	271.4
75°	173.5	186.1	179.9	189.4	186.1	179.9	195.6
77.5°	116.8	123.1	126.3	129.4	126.3	123.1	126.3
80°	82.1	88.3	85.2	88.3	88.3	88.3	91.6
82.5°	50.5	60.0	56.8	60.0	56.8	60.0	60.0
85°	34.7	37.9	31.6	37.9	34.7	34.7	41.0
87.5°	22.1	19.0	19.0	22.1	19.0	22.1	19.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)