

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: P248610

Luminaire Tested: **LD8B120D010 ER8B120935 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248610
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 ER8B120935 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10516.0 lumens
Efficiency: N/A
Efficacy: 88.9 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

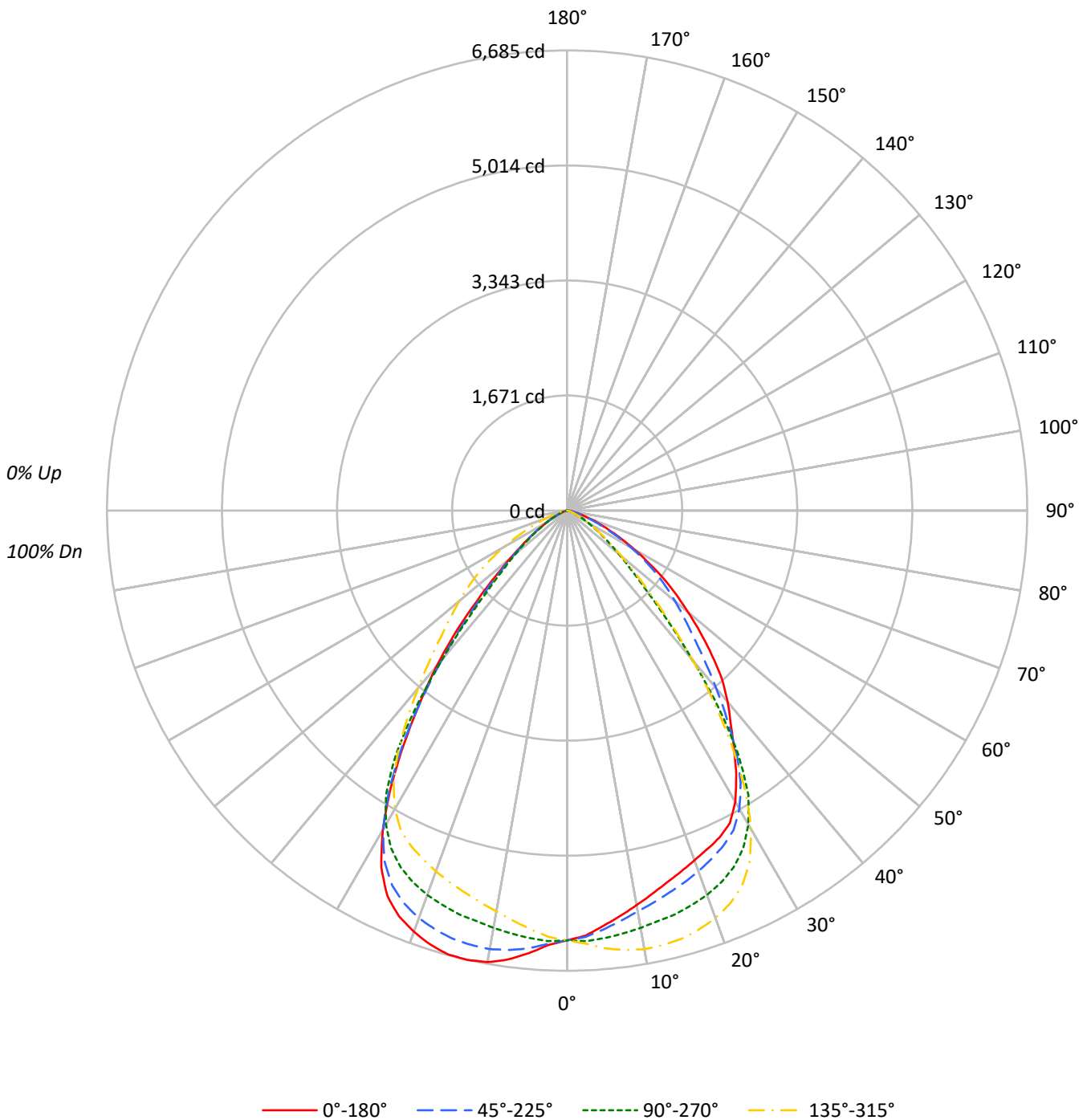
Input Watts (W): 118.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	192511	192511	192511	192511
5°	187399	192965	199852	192965
10°	182214	192713	208557	192713
15°	178574	193856	213122	193856
20°	177357	194966	213670	194966
25°	178290	194574	210235	194574
30°	173882	187452	190820	187452
35°	159047	163523	155147	163523
40°	146021	113750	118785	113750
45°	129746	69391	80293	69391
50°	109819	46356	51475	46356
55°	90959	31628	33429	31628
60°	69376	21055	21240	21055
65°	49156	13119	12010	13119
70°	35451	8791	7979	8791
75°	22518	4361	3634	4361
80°	15716	3250	2699	3250
85°	14011	0	1061	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.2	5.7
10°-20°	1720.7	16.4
20°-30°	2605.6	24.8
30°-40°	2611.4	24.8
40°-50°	1639.8	15.6
50°-60°	873.9	8.3
60°-70°	359.4	3.4
70°-80°	94.9	0.9
80°-90°	16.0	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°	4920.5	46.8
0°-40°	7532.0	71.6
0°-60°	10045.7	95.5
0°-90°	10516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10516.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6243	6243	6243	6243	6243	
5°	6054	6234	6456	6234	6054	571
15°	5594	6072	6676	6072	5594	1582
25°	5240	5719	6179	5719	5240	2403
35°	4225	4344	4121	4344	4225	2647
45°	2975	1591	1841	1591	2975	2288
55°	1692	588	622	588	1692	1508
65°	674	180	165	180	674	699
75°	189	37	30	37	189	214
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°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6179.0	6172.9	6169.9	6176.0	6179.0	6191.2	6188.2	6194.2	6194.2	6197.3	6203.4
5°	6054.1	6050.9	6054.1	6054.1	6066.2	6078.4	6075.4	6084.5	6090.6	6105.9	6111.9
7.5°	5938.2	5938.2	5935.1	5947.3	5953.4	5971.7	5968.6	5983.9	5993.1	6008.3	6029.6
10°	5819.3	5819.3	5822.3	5831.5	5834.6	5862.0	5862.0	5883.3	5895.5	5910.8	5938.2
12.5°	5703.5	5703.5	5721.8	5715.7	5727.8	5749.2	5758.3	5779.6	5798.0	5828.5	5855.9
15°	5593.7	5593.7	5599.8	5615.0	5624.2	5651.7	5666.8	5691.3	5712.6	5743.1	5782.8
17.5°	5499.2	5496.2	5499.2	5517.5	5535.9	5560.2	5572.4	5602.9	5624.2	5663.8	5700.5
20°	5404.7	5410.9	5410.9	5426.1	5438.2	5468.7	5480.9	5514.5	5538.9	5575.4	5618.2
22.5°	5322.4	5319.4	5319.4	5340.7	5349.9	5377.3	5389.4	5419.9	5447.4	5477.9	5517.5
25°	5240.1	5234.0	5246.3	5249.3	5255.3	5285.8	5294.9	5316.3	5343.8	5371.2	5410.9
27.5°	5118.2	5112.1	5115.1	5127.3	5136.5	5160.8	5167.0	5188.3	5209.6	5234.0	5267.6
30°	4883.4	4877.4	4874.4	4895.7	4904.9	4923.0	4932.2	4968.8	4974.9	5002.3	5026.7
32.5°	4572.5	4569.5	4575.6	4593.8	4603.0	4627.4	4639.6	4660.9	4676.1	4691.4	4715.8
35°	4225.0	4218.9	4225.0	4243.4	4243.4	4264.7	4273.8	4282.9	4279.9	4282.9	4276.9
37.5°	3901.9	3898.8	3901.9	3911.0	3901.9	3911.0	3901.9	3883.6	3850.1	3813.5	3776.9
40°	3627.5	3630.6	3612.4	3624.5	3590.9	3584.9	3551.4	3505.6	3438.6	3365.4	3261.8
42.5°	3334.9	3325.8	3313.6	3319.6	3292.3	3270.8	3216.0	3158.1	3072.7	2950.9	2825.8
45°	2975.2	2972.2	2966.0	2963.0	2944.7	2923.4	2877.6	2810.6	2716.1	2591.1	2441.7
47.5°	2624.6	2615.5	2615.5	2618.5	2597.2	2594.1	2557.5	2499.7	2417.4	2295.4	2139.9
50°	2289.2	2286.2	2292.4	2304.6	2289.2	2283.2	2258.9	2219.2	2146.1	2042.4	1896.0
52.5°	1987.5	1984.5	1990.6	2005.8	1999.7	2005.8	1981.5	1951.0	1902.2	1801.5	1673.6
55°	1691.9	1691.9	1691.9	1710.1	1710.1	1710.1	1697.9	1679.7	1633.9	1560.8	1441.9
57.5°	1384.0	1387.0	1405.3	1408.3	1405.3	1411.4	1408.3	1390.0	1359.6	1307.8	1216.3
60°	1124.9	1124.9	1134.0	1143.2	1140.0	1143.2	1143.2	1134.0	1103.5	1060.9	987.7
62.5°	890.1	899.3	893.1	899.3	911.4	899.3	893.1	887.1	865.8	838.3	777.3
65°	673.7	679.8	679.8	682.8	676.7	679.8	667.6	658.5	646.3	615.8	576.2
67.5°	512.2	512.2	512.2	512.2	509.0	506.0	503.0	493.9	472.5	460.4	417.6
70°	393.2	374.9	374.9	374.9	374.9	378.0	368.9	356.7	350.6	329.2	298.8
72.5°	262.1	268.3	262.1	262.1	256.1	259.1	246.9	240.8	234.8	222.6	204.3
75°	189.0	173.8	179.8	182.9	173.8	179.8	167.6	155.5	155.5	146.3	137.1
77.5°	122.0	118.9	122.0	125.0	122.0	118.9	112.8	106.7	106.7	103.6	94.5
80°	88.5	85.3	85.3	85.3	82.3	85.3	79.3	79.3	73.2	70.1	64.0
82.5°	58.0	58.0	54.8	58.0	54.8	58.0	48.8	48.8	48.8	45.7	39.6
85°	39.6	33.5	33.5	36.6	30.5	36.6	33.5	30.5	27.5	27.5	24.3
87.5°	18.3	21.3	18.3	21.3	18.3	18.3	21.3	18.3	18.3	12.2	12.2
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°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6212.5	6215.5	6215.5	6227.8	6233.9	6236.9	6236.9	6261.3	6252.2	6258.3	6264.3
5°	6124.2	6142.4	6148.5	6148.5	6182.0	6194.2	6206.4	6233.9	6236.9	6255.2	6276.5
7.5°	6038.7	6060.1	6072.4	6099.7	6121.1	6142.4	6179.0	6197.3	6215.5	6240.0	6267.4
10°	5956.4	5980.9	6005.2	6026.6	6060.1	6087.6	6111.9	6154.6	6176.0	6209.5	6246.0
12.5°	5877.3	5910.8	5932.1	5968.6	6005.2	6029.6	6066.2	6105.9	6139.4	6172.9	6215.5
15°	5807.1	5846.8	5871.1	5910.8	5950.4	5983.9	6023.6	6072.4	6096.7	6136.4	6176.0
17.5°	5730.8	5773.6	5804.1	5840.6	5889.4	5925.9	5959.6	6008.3	6038.7	6081.4	6127.2
20°	5651.7	5694.3	5730.8	5767.5	5816.3	5852.8	5892.4	5941.3	5974.8	6017.4	6054.1
22.5°	5557.2	5596.8	5636.4	5679.0	5727.8	5758.3	5804.1	5846.8	5883.3	5922.9	5959.6
25°	5435.2	5484.0	5514.5	5554.0	5593.7	5627.2	5676.0	5718.7	5749.2	5785.8	5819.3
27.5°	5291.9	5328.6	5352.9	5386.4	5426.1	5456.6	5493.1	5535.9	5566.3	5599.8	5624.2
30°	5048.0	5081.6	5103.0	5127.3	5167.0	5194.4	5224.9	5264.5	5285.8	5310.3	5331.6
32.5°	4727.9	4755.4	4767.6	4785.9	4813.4	4840.7	4865.2	4898.7	4907.9	4923.0	4923.0
35°	4264.7	4270.7	4267.7	4273.8	4286.0	4301.2	4322.5	4343.9	4356.0	4356.0	4347.0
37.5°	3722.0	3685.5	3645.9	3615.4	3606.2	3600.1	3612.4	3621.4	3633.7	3639.7	3624.5
40°	3158.1	3075.8	2987.4	2908.1	2853.2	2828.9	2819.7	2825.8	2825.8	2847.1	2847.1
42.5°	2673.4	2545.3	2414.3	2295.4	2216.1	2155.2	2127.8	2127.8	2130.8	2146.1	2155.2
45°	2271.1	2109.4	1957.0	1826.0	1716.2	1636.9	1600.4	1591.2	1588.2	1594.3	1615.6
47.5°	1963.1	1795.5	1636.9	1475.4	1359.6	1280.3	1246.8	1234.5	1222.4	1234.5	1237.7
50°	1722.4	1548.6	1381.0	1219.3	1097.4	1027.2	984.6	966.3	963.3	963.3	969.4
52.5°	1502.8	1341.3	1173.7	1009.1	880.9	813.9	774.3	765.1	753.0	765.1	765.1
55°	1295.5	1134.0	969.4	813.9	707.2	637.2	600.5	588.3	582.2	591.4	591.4
57.5°	1070.0	932.8	780.4	640.2	533.5	484.7	457.2	442.0	438.9	445.1	438.9
60°	877.9	762.1	631.0	503.0	420.7	368.9	347.6	341.4	335.3	341.4	341.4
62.5°	695.0	597.5	490.7	393.2	323.1	286.6	262.1	262.1	259.1	259.1	262.1
65°	515.2	438.9	362.7	280.4	225.6	198.1	179.8	179.8	176.8	179.8	176.8
67.5°	374.9	323.1	262.1	204.3	161.6	146.3	134.1	125.0	131.1	125.0	122.0
70°	274.4	231.6	189.0	155.5	125.0	109.8	100.6	97.5	91.5	91.5	91.5
72.5°	182.9	155.5	128.0	100.6	82.3	67.0	64.0	58.0	51.8	54.8	61.0
75°	122.0	103.6	91.5	73.2	54.8	54.8	36.6	36.6	30.5	36.6	27.5
77.5°	85.3	70.1	54.8	45.7	36.6	33.5	24.3	24.3	21.3	21.3	21.3
80°	61.0	51.8	39.6	33.5	24.3	24.3	21.3	18.3	15.2	15.2	18.3
82.5°	36.6	27.5	27.5	24.3	15.2	12.2	9.2	12.2	6.1	6.1	6.1
85°	21.3	18.3	15.2	9.2	6.1	6.1	3.0	0.0	3.0	3.0	0.0
87.5°	12.2	6.1	6.1	3.0	0.0	3.0	3.0	0.0	0.0	0.0	6.1
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°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6279.7	6276.5	6282.7	6282.7	6301.0	6297.8	6307.0	6307.0	6301.0	6304.0	6316.2
5°	6301.0	6310.1	6328.3	6343.6	6371.0	6383.3	6398.5	6413.8	6416.8	6426.0	6435.1
7.5°	6301.0	6331.5	6352.8	6380.2	6416.8	6438.1	6471.6	6499.1	6511.3	6526.5	6544.8
10°	6288.7	6319.2	6358.8	6389.3	6435.1	6468.6	6502.1	6544.8	6563.1	6587.4	6611.9
12.5°	6264.3	6297.8	6340.5	6380.2	6432.0	6462.5	6505.1	6544.8	6572.3	6605.8	6633.2
15°	6227.8	6267.4	6307.0	6346.7	6401.5	6438.1	6477.8	6523.4	6550.9	6587.4	6611.9
17.5°	6169.9	6212.5	6249.2	6285.7	6337.5	6380.2	6416.8	6459.5	6486.9	6517.4	6550.9
20°	6099.7	6139.4	6179.0	6209.5	6261.3	6297.8	6337.5	6377.1	6398.5	6404.6	6456.4
22.5°	6011.4	6038.7	6069.2	6118.0	6148.5	6182.0	6218.7	6255.2	6276.5	6310.1	6328.3
25°	5865.0	5892.4	5925.9	5947.3	5983.9	6011.4	6047.9	6087.6	6099.7	6124.2	6142.4
27.5°	5660.8	5676.0	5691.3	5709.5	5730.8	5746.1	5767.5	5785.8	5798.0	5810.1	5822.3
30°	5337.6	5337.6	5337.6	5325.4	5334.6	5343.8	5346.8	5343.8	5343.8	5340.7	5340.7
32.5°	4910.9	4886.5	4859.1	4834.7	4825.6	4813.4	4807.2	4798.1	4782.9	4773.7	4776.7
35°	4334.7	4279.9	4246.4	4215.9	4191.5	4173.2	4164.1	4154.9	4151.9	4139.7	4127.4
37.5°	3615.4	3575.7	3551.4	3533.1	3511.7	3493.4	3496.4	3499.6	3508.6	3502.6	3505.6
40°	2853.2	2844.1	2853.2	2831.9	2825.8	2831.9	2847.1	2868.6	2880.7	2892.9	2914.2
42.5°	2170.4	2185.6	2207.1	2207.1	2216.1	2228.4	2246.6	2280.2	2298.4	2319.7	2344.2
45°	1633.9	1652.2	1679.7	1688.7	1694.9	1710.1	1731.5	1758.9	1771.0	1789.4	1810.7
47.5°	1259.0	1271.2	1286.3	1301.7	1316.8	1323.0	1344.3	1344.3	1359.6	1371.8	1377.8
50°	981.6	993.7	1005.9	1015.1	1021.2	1030.4	1036.4	1045.6	1048.6	1054.7	1057.7
52.5°	768.1	783.5	783.5	789.5	798.6	807.8	804.8	807.8	810.8	810.8	820.0
55°	600.5	600.5	609.7	609.7	615.8	612.7	615.8	615.8	615.8	615.8	618.8
57.5°	448.1	451.2	460.4	454.2	451.2	457.2	451.2	457.2	454.2	460.4	451.2
60°	344.4	344.4	347.6	347.6	350.6	350.6	350.6	347.6	347.6	344.4	344.4
62.5°	259.1	262.1	265.2	262.1	262.1	262.1	259.1	259.1	256.1	253.0	253.0
65°	173.8	170.8	176.8	170.8	173.8	173.8	170.8	173.8	164.6	167.6	164.6
67.5°	125.0	122.0	118.9	122.0	118.9	115.8	115.8	118.9	122.0	112.8	112.8
70°	82.3	85.3	82.3	85.3	88.5	88.5	85.3	82.3	85.3	79.3	82.3
72.5°	51.8	51.8	51.8	51.8	51.8	54.8	54.8	54.8	48.8	48.8	45.7
75°	24.3	33.5	27.5	24.3	33.5	33.5	30.5	30.5	27.5	27.5	27.5
77.5°	24.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	15.2	18.3	15.2
80°	12.2	12.2	12.2	9.2	12.2	12.2	15.2	12.2	12.2	9.2	15.2
82.5°	6.1	6.1	6.1	0.0	3.0	6.1	6.1	3.0	6.1	6.1	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248610

CATALOG NUMBER: LD8B120D010 ER8B120935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6313.2	6310.1	6313.2	6316.2	6313.2	6310.1	6313.2	6316.2	6304.0	6301.0	6307.0
5°	6447.3	6447.3	6453.3	6456.4	6453.3	6447.3	6447.3	6435.1	6426.0	6416.8	6413.8
7.5°	6563.1	6569.2	6575.3	6578.3	6575.3	6569.2	6563.1	6544.8	6526.5	6511.3	6499.1
10°	6633.2	6642.4	6654.6	6660.6	6654.6	6642.4	6633.2	6611.9	6587.4	6563.1	6544.8
12.5°	6663.7	6672.9	6688.1	6685.1	6688.1	6672.9	6663.7	6633.2	6605.8	6572.3	6544.8
15°	6642.4	6654.6	6669.7	6675.9	6669.7	6654.6	6642.4	6611.9	6587.4	6550.9	6523.4
17.5°	6575.3	6593.6	6602.7	6611.9	6602.7	6593.6	6575.3	6550.9	6517.4	6486.9	6459.5
20°	6483.8	6496.1	6508.3	6511.3	6508.3	6496.1	6483.8	6456.4	6404.6	6398.5	6377.1
22.5°	6352.8	6362.0	6389.3	6380.2	6389.3	6362.0	6352.8	6328.3	6310.1	6276.5	6255.2
25°	6163.7	6172.9	6176.0	6179.0	6176.0	6172.9	6163.7	6142.4	6124.2	6099.7	6087.6
27.5°	5837.6	5837.6	5843.6	5846.8	5843.6	5837.6	5837.6	5822.3	5810.1	5798.0	5785.8
30°	5343.8	5343.8	5343.8	5359.1	5343.8	5343.8	5343.8	5340.7	5340.7	5343.8	5343.8
32.5°	4773.7	4767.6	4761.6	4767.6	4761.6	4767.6	4773.7	4776.7	4773.7	4782.9	4798.1
35°	4127.4	4124.4	4133.6	4121.4	4133.6	4124.4	4127.4	4127.4	4139.7	4151.9	4154.9
37.5°	3508.6	3502.6	3514.7	3502.6	3514.7	3502.6	3508.6	3505.6	3502.6	3508.6	3499.6
40°	2920.4	2926.4	2926.4	2950.9	2926.4	2926.4	2920.4	2914.2	2892.9	2880.7	2868.6
42.5°	2356.4	2374.7	2368.5	2386.9	2368.5	2374.7	2356.4	2344.2	2319.7	2298.4	2280.2
45°	1822.9	1835.2	1835.2	1841.2	1835.2	1835.2	1822.9	1810.7	1789.4	1771.0	1758.9
47.5°	1399.1	1399.1	1399.1	1402.3	1399.1	1399.1	1399.1	1377.8	1371.8	1359.6	1344.3
50°	1063.9	1066.9	1070.0	1073.0	1070.0	1066.9	1063.9	1057.7	1054.7	1048.6	1045.6
52.5°	817.0	820.0	813.9	820.0	813.9	820.0	817.0	820.0	810.8	810.8	807.8
55°	618.8	615.8	618.8	621.8	618.8	615.8	618.8	618.8	615.8	615.8	615.8
57.5°	454.2	448.1	448.1	448.1	448.1	448.1	454.2	451.2	460.4	454.2	457.2
60°	338.4	341.4	341.4	344.4	341.4	341.4	338.4	344.4	344.4	347.6	347.6
62.5°	249.9	259.1	253.0	259.1	253.0	259.1	249.9	253.0	253.0	256.1	259.1
65°	161.6	161.6	161.6	164.6	161.6	161.6	161.6	164.6	167.6	164.6	173.8
67.5°	109.8	112.8	118.9	115.8	118.9	112.8	109.8	112.8	112.8	122.0	118.9
70°	88.5	79.3	79.3	88.5	79.3	79.3	88.5	82.3	79.3	85.3	82.3
72.5°	51.8	45.7	51.8	51.8	51.8	45.7	51.8	45.7	48.8	48.8	54.8
75°	27.5	24.3	21.3	30.5	21.3	24.3	27.5	27.5	27.5	27.5	30.5
77.5°	18.3	15.2	21.3	21.3	21.3	15.2	18.3	15.2	18.3	15.2	18.3
80°	9.2	12.2	9.2	15.2	9.2	12.2	9.2	15.2	9.2	12.2	12.2
82.5°	3.0	6.1	6.1	6.1	6.1	6.1	3.0	3.0	6.1	6.1	3.0
85°	0.0	6.1	3.0	3.0	3.0	6.1	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248610

CATALOG NUMBER: LD8B120D010 ER8B120935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6307.0	6297.8	6301.0	6282.7	6282.7	6276.5	6279.7	6264.3	6258.3	6252.2	6261.3
5°	6398.5	6383.3	6371.0	6343.6	6328.3	6310.1	6301.0	6276.5	6255.2	6236.9	6233.9
7.5°	6471.6	6438.1	6416.8	6380.2	6352.8	6331.5	6301.0	6267.4	6240.0	6215.5	6197.3
10°	6502.1	6468.6	6435.1	6389.3	6358.8	6319.2	6288.7	6246.0	6209.5	6176.0	6154.6
12.5°	6505.1	6462.5	6432.0	6380.2	6340.5	6297.8	6264.3	6215.5	6172.9	6139.4	6105.9
15°	6477.8	6438.1	6401.5	6346.7	6307.0	6267.4	6227.8	6176.0	6136.4	6096.7	6072.4
17.5°	6416.8	6380.2	6337.5	6285.7	6249.2	6212.5	6169.9	6127.2	6081.4	6038.7	6008.3
20°	6337.5	6297.8	6261.3	6209.5	6179.0	6139.4	6099.7	6054.1	6017.4	5974.8	5941.3
22.5°	6218.7	6182.0	6148.5	6118.0	6069.2	6038.7	6011.4	5959.6	5922.9	5883.3	5846.8
25°	6047.9	6011.4	5983.9	5947.3	5925.9	5892.4	5865.0	5819.3	5785.8	5749.2	5718.7
27.5°	5767.5	5746.1	5730.8	5709.5	5691.3	5676.0	5660.8	5624.2	5599.8	5566.3	5535.9
30°	5346.8	5343.8	5334.6	5325.4	5337.6	5337.6	5337.6	5331.6	5310.3	5285.8	5264.5
32.5°	4807.2	4813.4	4825.6	4834.7	4859.1	4886.5	4910.9	4923.0	4923.0	4907.9	4898.7
35°	4164.1	4173.2	4191.5	4215.9	4246.4	4279.9	4334.7	4347.0	4356.0	4356.0	4343.9
37.5°	3496.4	3493.4	3511.7	3533.1	3551.4	3575.7	3615.4	3624.5	3639.7	3633.7	3621.4
40°	2847.1	2831.9	2825.8	2831.9	2853.2	2844.1	2853.2	2847.1	2847.1	2825.8	2825.8
42.5°	2246.6	2228.4	2216.1	2207.1	2207.1	2185.6	2170.4	2155.2	2146.1	2130.8	2127.8
45°	1731.5	1710.1	1694.9	1688.7	1679.7	1652.2	1633.9	1615.6	1594.3	1588.2	1591.2
47.5°	1344.3	1323.0	1316.8	1301.7	1286.3	1271.2	1259.0	1237.7	1234.5	1222.4	1234.5
50°	1036.4	1030.4	1021.2	1015.1	1005.9	993.7	981.6	969.4	963.3	963.3	966.3
52.5°	804.8	807.8	798.6	789.5	783.5	783.5	768.1	765.1	765.1	753.0	765.1
55°	615.8	612.7	615.8	609.7	609.7	600.5	600.5	591.4	591.4	582.2	588.3
57.5°	451.2	457.2	451.2	454.2	460.4	451.2	448.1	438.9	445.1	438.9	442.0
60°	350.6	350.6	350.6	347.6	347.6	344.4	344.4	341.4	341.4	335.3	341.4
62.5°	259.1	262.1	262.1	262.1	265.2	262.1	259.1	262.1	259.1	259.1	262.1
65°	170.8	173.8	173.8	170.8	176.8	170.8	173.8	176.8	179.8	176.8	179.8
67.5°	115.8	115.8	118.9	122.0	118.9	122.0	125.0	122.0	125.0	131.1	125.0
70°	85.3	88.5	88.5	85.3	82.3	85.3	82.3	91.5	91.5	91.5	97.5
72.5°	54.8	54.8	51.8	51.8	51.8	51.8	51.8	61.0	54.8	51.8	58.0
75°	30.5	33.5	33.5	24.3	27.5	33.5	24.3	27.5	36.6	30.5	36.6
77.5°	18.3	18.3	18.3	18.3	18.3	18.3	24.3	21.3	21.3	21.3	24.3
80°	15.2	12.2	12.2	9.2	12.2	12.2	12.2	18.3	15.2	15.2	18.3
82.5°	6.1	6.1	3.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	12.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	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: P248610

CATALOG NUMBER: LD8B120D010 ER8B120935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6236.9	6236.9	6233.9	6227.8	6215.5	6215.5	6212.5	6203.4	6197.3	6194.2	6194.2
5°	6206.4	6194.2	6182.0	6148.5	6148.5	6142.4	6124.2	6111.9	6105.9	6090.6	6084.5
7.5°	6179.0	6142.4	6121.1	6099.7	6072.4	6060.1	6038.7	6029.6	6008.3	5993.1	5983.9
10°	6111.9	6087.6	6060.1	6026.6	6005.2	5980.9	5956.4	5938.2	5910.8	5895.5	5883.3
12.5°	6066.2	6029.6	6005.2	5968.6	5932.1	5910.8	5877.3	5855.9	5828.5	5798.0	5779.6
15°	6023.6	5983.9	5950.4	5910.8	5871.1	5846.8	5807.1	5782.8	5743.1	5712.6	5691.3
17.5°	5959.6	5925.9	5889.4	5840.6	5804.1	5773.6	5730.8	5700.5	5663.8	5624.2	5602.9
20°	5892.4	5852.8	5816.3	5767.5	5730.8	5694.3	5651.7	5618.2	5575.4	5538.9	5514.5
22.5°	5804.1	5758.3	5727.8	5679.0	5636.4	5596.8	5557.2	5517.5	5477.9	5447.4	5419.9
25°	5676.0	5627.2	5593.7	5554.0	5514.5	5484.0	5435.2	5410.9	5371.2	5343.8	5316.3
27.5°	5493.1	5456.6	5426.1	5386.4	5352.9	5328.6	5291.9	5267.6	5234.0	5209.6	5188.3
30°	5224.9	5194.4	5167.0	5127.3	5103.0	5081.6	5048.0	5026.7	5002.3	4974.9	4968.8
32.5°	4865.2	4840.7	4813.4	4785.9	4767.6	4755.4	4727.9	4715.8	4691.4	4676.1	4660.9
35°	4322.5	4301.2	4286.0	4273.8	4267.7	4270.7	4264.7	4276.9	4282.9	4279.9	4282.9
37.5°	3612.4	3600.1	3606.2	3615.4	3645.9	3685.5	3722.0	3776.9	3813.5	3850.1	3883.6
40°	2819.7	2828.9	2853.2	2908.1	2987.4	3075.8	3158.1	3261.8	3365.4	3438.6	3505.6
42.5°	2127.8	2155.2	2216.1	2295.4	2414.3	2545.3	2673.4	2825.8	2950.9	3072.7	3158.1
45°	1600.4	1636.9	1716.2	1826.0	1957.0	2109.4	2271.1	2441.7	2591.1	2716.1	2810.6
47.5°	1246.8	1280.3	1359.6	1475.4	1636.9	1795.5	1963.1	2139.9	2295.4	2417.4	2499.7
50°	984.6	1027.2	1097.4	1219.3	1381.0	1548.6	1722.4	1896.0	2042.4	2146.1	2219.2
52.5°	774.3	813.9	880.9	1009.1	1173.7	1341.3	1502.8	1673.6	1801.5	1902.2	1951.0
55°	600.5	637.2	707.2	813.9	969.4	1134.0	1295.5	1441.9	1560.8	1633.9	1679.7
57.5°	457.2	484.7	533.5	640.2	780.4	932.8	1070.0	1216.3	1307.8	1359.6	1390.0
60°	347.6	368.9	420.7	503.0	631.0	762.1	877.9	987.7	1060.9	1103.5	1134.0
62.5°	262.1	286.6	323.1	393.2	490.7	597.5	695.0	777.3	838.3	865.8	887.1
65°	179.8	198.1	225.6	280.4	362.7	438.9	515.2	576.2	615.8	646.3	658.5
67.5°	134.1	146.3	161.6	204.3	262.1	323.1	374.9	417.6	460.4	472.5	493.9
70°	100.6	109.8	125.0	155.5	189.0	231.6	274.4	298.8	329.2	350.6	356.7
72.5°	64.0	67.0	82.3	100.6	128.0	155.5	182.9	204.3	222.6	234.8	240.8
75°	36.6	54.8	54.8	73.2	91.5	103.6	122.0	137.1	146.3	155.5	155.5
77.5°	24.3	33.5	36.6	45.7	54.8	70.1	85.3	94.5	103.6	106.7	106.7
80°	21.3	24.3	24.3	33.5	39.6	51.8	61.0	64.0	70.1	73.2	79.3
82.5°	9.2	12.2	15.2	24.3	27.5	27.5	36.6	39.6	45.7	48.8	48.8
85°	3.0	6.1	6.1	9.2	15.2	18.3	21.3	24.3	27.5	27.5	30.5
87.5°	3.0	3.0	0.0	3.0	6.1	6.1	12.2	12.2	12.2	18.3	18.3
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: P248610

CATALOG NUMBER: LD8B120D010 ER8B120935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0	6243.0
2.5°	6188.2	6191.2	6179.0	6176.0	6169.9	6172.9	6179.0
5°	6075.4	6078.4	6066.2	6054.1	6054.1	6050.9	6054.1
7.5°	5968.6	5971.7	5953.4	5947.3	5935.1	5938.2	5938.2
10°	5862.0	5862.0	5834.6	5831.5	5822.3	5819.3	5819.3
12.5°	5758.3	5749.2	5727.8	5715.7	5721.8	5703.5	5703.5
15°	5666.8	5651.7	5624.2	5615.0	5599.8	5593.7	5593.7
17.5°	5572.4	5560.2	5535.9	5517.5	5499.2	5496.2	5499.2
20°	5480.9	5468.7	5438.2	5426.1	5410.9	5410.9	5404.7
22.5°	5389.4	5377.3	5349.9	5340.7	5319.4	5319.4	5322.4
25°	5294.9	5285.8	5255.3	5249.3	5246.3	5234.0	5240.1
27.5°	5167.0	5160.8	5136.5	5127.3	5115.1	5112.1	5118.2
30°	4932.2	4923.0	4904.9	4895.7	4874.4	4877.4	4883.4
32.5°	4639.6	4627.4	4603.0	4593.8	4575.6	4569.5	4572.5
35°	4273.8	4264.7	4243.4	4243.4	4225.0	4218.9	4225.0
37.5°	3901.9	3911.0	3901.9	3911.0	3901.9	3898.8	3901.9
40°	3551.4	3584.9	3590.9	3624.5	3612.4	3630.6	3627.5
42.5°	3216.0	3270.8	3292.3	3319.6	3313.6	3325.8	3334.9
45°	2877.6	2923.4	2944.7	2963.0	2966.0	2972.2	2975.2
47.5°	2557.5	2594.1	2597.2	2618.5	2615.5	2615.5	2624.6
50°	2258.9	2283.2	2289.2	2304.6	2292.4	2286.2	2289.2
52.5°	1981.5	2005.8	1999.7	2005.8	1990.6	1984.5	1987.5
55°	1697.9	1710.1	1710.1	1710.1	1691.9	1691.9	1691.9
57.5°	1408.3	1411.4	1405.3	1408.3	1405.3	1387.0	1384.0
60°	1143.2	1143.2	1140.0	1143.2	1134.0	1124.9	1124.9
62.5°	893.1	899.3	911.4	899.3	893.1	899.3	890.1
65°	667.6	679.8	676.7	682.8	679.8	679.8	673.7
67.5°	503.0	506.0	509.0	512.2	512.2	512.2	512.2
70°	368.9	378.0	374.9	374.9	374.9	374.9	393.2
72.5°	246.9	259.1	256.1	262.1	262.1	268.3	262.1
75°	167.6	179.8	173.8	182.9	179.8	173.8	189.0
77.5°	112.8	118.9	122.0	125.0	122.0	118.9	122.0
80°	79.3	85.3	82.3	85.3	85.3	85.3	88.5
82.5°	48.8	58.0	54.8	58.0	54.8	58.0	58.0
85°	33.5	36.6	30.5	36.6	33.5	33.5	39.6
87.5°	21.3	18.3	18.3	21.3	18.3	21.3	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)