

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: P248978

Luminaire Tested: **LD8B100D010 ER8B100827 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248978  
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 ER8B100827 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10097.0 lumens  
Efficiency: N/A  
Efficacy: 95.0 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

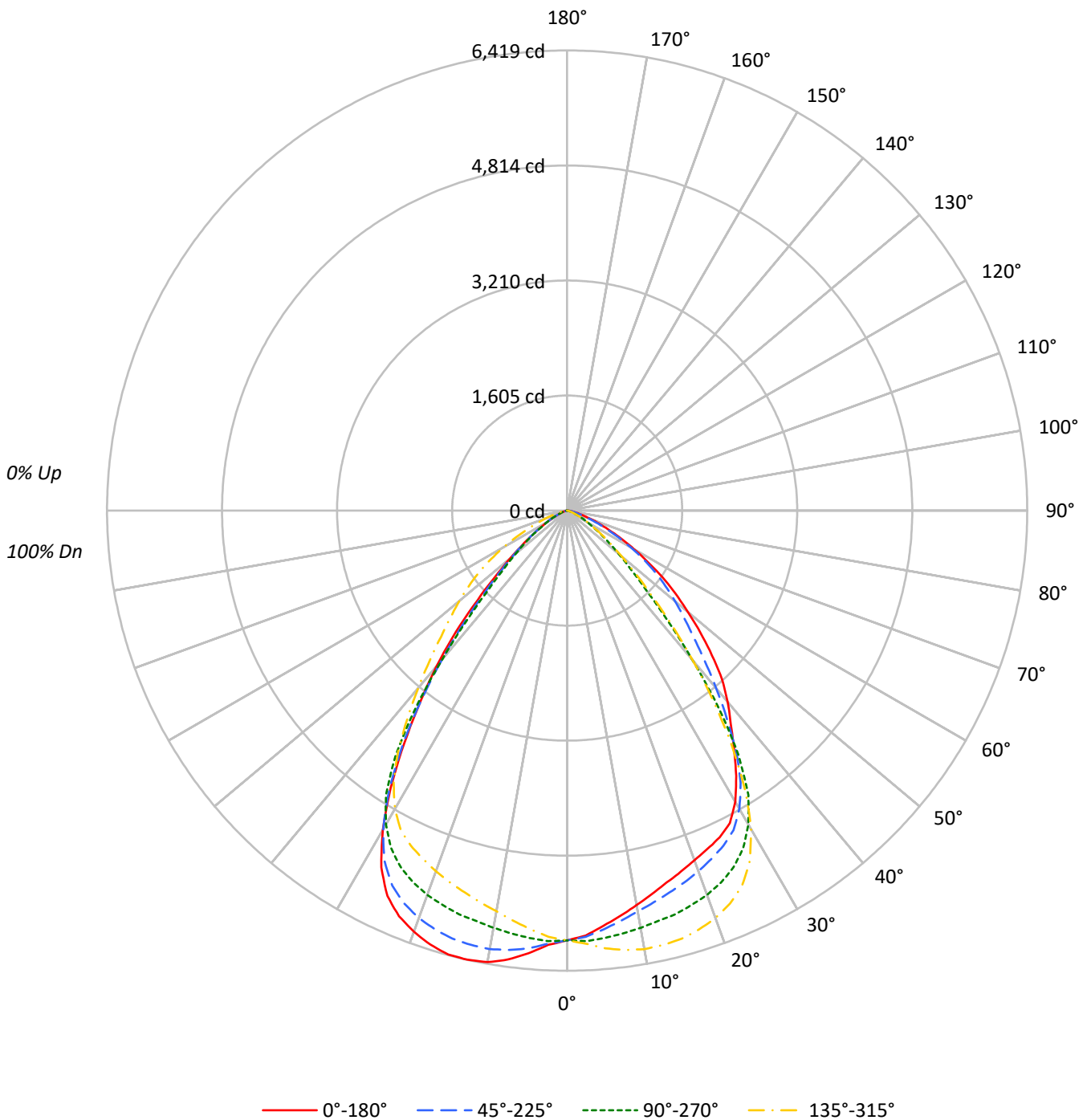
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	184842	184842	184842	184842
5°	179930	185276	191891	185276
10°	174953	185032	200247	185032
15°	171458	186130	204630	186130
20°	170292	187195	205155	187195
25°	171185	186820	201858	186820
30°	166953	179981	183214	179981
35°	152711	157006	148966	157006
40°	140205	109217	114052	109217
45°	124578	66626	77092	66626
50°	105444	44509	49426	44509
55°	87336	30370	32101	30370
60°	66606	20216	20395	20216
65°	47194	12594	11536	12594
70°	34044	8439	7655	8439
75°	21612	4194	3491	4194
80°	15076	3125	2593	3125
85°	13480	0	1026	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	570.5	5.7
10°-20°	1652.2	16.4
20°-30°	2501.8	24.8
30°-40°	2507.4	24.8
40°-50°	1574.5	15.6
50°-60°	839.0	8.3
60°-70°	345.0	3.4
70°-80°	91.2	0.9
80°-90°	15.4	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°	4724.5	46.8
0°-40°	7231.8	71.6
0°-60°	9645.4	95.5
0°-90°	10097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10097.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5994	5994	5994	5994	5994	
5°	5813	5986	6199	5986	5813	548
15°	5371	5830	6410	5830	5371	1519
25°	5031	5491	5933	5491	5031	2308
35°	4057	4171	3957	4171	4057	2542
45°	2857	1528	1768	1528	2857	2197
55°	1624	565	597	565	1624	1448
65°	647	173	158	173	647	671
75°	181	35	29	35	181	206
85°	38	0	3	0	38	42
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°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	5932.8	5926.9	5924.0	5929.9	5932.8	5944.5	5941.6	5947.4	5947.4	5950.4	5956.2
5°	5812.8	5809.8	5812.8	5812.8	5824.5	5836.2	5833.3	5842.1	5847.9	5862.6	5868.4
7.5°	5701.6	5701.6	5698.6	5710.3	5716.2	5733.8	5730.8	5745.5	5754.3	5768.9	5789.3
10°	5587.4	5587.4	5590.3	5599.1	5602.1	5628.4	5628.4	5648.9	5660.6	5675.3	5701.6
12.5°	5476.2	5476.2	5493.8	5487.9	5499.6	5520.1	5528.9	5549.4	5567.0	5596.2	5622.6
15°	5370.8	5370.8	5376.7	5391.3	5400.1	5426.5	5441.1	5464.5	5485.0	5514.3	5552.4
17.5°	5280.1	5277.2	5280.1	5297.7	5315.3	5338.7	5350.3	5379.6	5400.1	5438.2	5473.3
20°	5189.4	5195.3	5195.3	5209.9	5221.6	5250.8	5262.5	5294.8	5318.2	5353.2	5394.3
22.5°	5110.4	5107.5	5107.5	5127.9	5136.7	5163.0	5174.7	5204.0	5230.3	5259.6	5297.7
25°	5031.3	5025.4	5037.2	5040.1	5045.9	5075.2	5084.0	5104.5	5130.8	5157.2	5195.3
27.5°	4914.2	4908.4	4911.3	4923.0	4931.8	4955.2	4961.1	4981.6	5002.1	5025.4	5057.7
30°	4688.8	4683.0	4680.1	4700.6	4709.4	4726.9	4735.7	4770.9	4776.6	4803.0	4826.4
32.5°	4390.3	4387.4	4393.3	4410.8	4419.6	4443.1	4454.7	4475.2	4489.8	4504.5	4527.9
35°	4056.7	4050.8	4056.7	4074.3	4074.3	4094.8	4103.6	4112.2	4109.3	4112.2	4106.5
37.5°	3746.5	3743.5	3746.5	3755.2	3746.5	3755.2	3746.5	3728.9	3696.7	3661.5	3626.4
40°	3483.0	3485.9	3468.4	3480.1	3447.8	3442.0	3409.9	3365.9	3301.6	3231.3	3131.8
42.5°	3202.1	3193.3	3181.6	3187.4	3161.1	3140.5	3087.9	3032.3	2950.3	2833.3	2713.2
45°	2856.7	2853.8	2847.9	2845.0	2827.4	2806.9	2762.9	2698.6	2607.9	2487.9	2344.4
47.5°	2520.1	2511.3	2511.3	2514.2	2493.7	2490.8	2455.6	2400.1	2321.0	2203.9	2054.7
50°	2198.0	2195.1	2201.0	2212.7	2198.0	2192.3	2168.9	2130.8	2060.6	1961.1	1820.5
52.5°	1908.3	1905.4	1911.3	1925.9	1920.0	1925.9	1902.5	1873.2	1826.4	1729.8	1606.9
55°	1624.5	1624.5	1624.5	1641.9	1641.9	1641.9	1630.2	1612.8	1568.8	1498.6	1384.5
57.5°	1328.8	1331.7	1349.3	1352.2	1349.3	1355.2	1352.2	1334.6	1305.4	1255.7	1167.9
60°	1080.0	1080.0	1088.8	1097.6	1094.6	1097.6	1097.6	1088.8	1059.6	1018.6	948.4
62.5°	854.6	863.4	857.5	863.4	875.1	863.4	857.5	851.7	831.3	804.9	746.3
65°	646.8	652.7	652.7	655.6	649.7	652.7	641.0	632.2	620.6	591.3	553.2
67.5°	491.8	491.8	491.8	491.8	488.8	485.9	483.0	474.2	453.7	442.0	400.9
70°	377.6	360.0	360.0	360.0	360.0	363.0	354.2	342.5	336.6	316.1	286.8
72.5°	251.7	257.6	251.7	251.7	245.9	248.8	237.1	231.2	225.4	213.7	196.1
75°	181.4	166.9	172.6	175.7	166.9	172.6	161.0	149.3	149.3	140.5	131.7
77.5°	117.1	114.2	117.1	120.0	117.1	114.2	108.3	102.4	102.4	99.5	90.7
80°	84.9	81.9	81.9	81.9	79.0	81.9	76.1	76.1	70.2	67.3	61.4
82.5°	55.7	55.7	52.6	55.7	52.6	55.7	46.9	46.9	46.9	43.9	38.1
85°	38.1	32.2	32.2	35.2	29.3	35.2	32.2	29.3	26.4	26.4	23.4
87.5°	17.6	20.5	17.6	20.5	17.6	17.6	20.5	17.6	17.6	11.7	11.7
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°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	5965.0	5967.9	5967.9	5979.7	5985.5	5988.4	5988.4	6011.9	6003.1	6009.0	6014.7
5°	5880.2	5897.6	5903.6	5903.6	5935.7	5947.4	5959.1	5985.5	5988.4	6006.0	6026.4
7.5°	5798.1	5818.6	5830.4	5856.7	5877.2	5897.6	5932.8	5950.4	5967.9	5991.4	6017.6
10°	5719.1	5742.6	5766.0	5786.5	5818.6	5845.0	5868.4	5909.3	5929.9	5962.1	5997.2
12.5°	5643.1	5675.3	5695.7	5730.8	5766.0	5789.3	5824.5	5862.6	5894.8	5926.9	5967.9
15°	5575.7	5613.8	5637.2	5675.3	5713.3	5745.5	5783.6	5830.4	5853.8	5891.9	5929.9
17.5°	5502.5	5543.6	5572.9	5607.9	5654.8	5689.8	5722.1	5768.9	5798.1	5839.1	5883.1
20°	5426.5	5467.4	5502.5	5537.7	5584.5	5619.6	5657.7	5704.5	5736.7	5777.7	5812.8
22.5°	5335.8	5373.8	5411.8	5452.7	5499.6	5528.9	5572.9	5613.8	5648.9	5686.9	5722.1
25°	5218.7	5265.5	5294.8	5332.8	5370.8	5403.0	5449.9	5490.8	5520.1	5555.3	5587.4
27.5°	5081.1	5116.3	5139.6	5171.8	5209.9	5239.1	5274.2	5315.3	5344.6	5376.7	5400.1
30°	4846.9	4879.2	4899.6	4923.0	4961.1	4987.5	5016.7	5054.7	5075.2	5098.7	5119.2
32.5°	4539.6	4565.9	4577.6	4595.2	4621.6	4647.9	4671.4	4703.5	4712.3	4726.9	4726.9
35°	4094.8	4100.5	4097.7	4103.6	4115.2	4129.8	4150.3	4170.8	4182.5	4182.5	4173.8
37.5°	3573.7	3538.7	3500.6	3471.3	3462.5	3456.6	3468.4	3477.1	3488.9	3494.7	3480.1
40°	3032.3	2953.3	2868.3	2792.2	2739.6	2716.2	2707.4	2713.2	2713.2	2733.7	2733.7
42.5°	2566.9	2443.9	2318.1	2203.9	2127.8	2069.4	2043.0	2043.0	2045.9	2060.6	2069.4
45°	2180.6	2025.4	1879.0	1753.2	1647.8	1571.7	1536.6	1527.8	1525.0	1530.7	1551.2
47.5°	1884.9	1724.0	1571.7	1416.6	1305.4	1229.3	1197.1	1185.3	1173.7	1185.3	1188.3
50°	1653.7	1486.9	1325.9	1170.8	1053.7	986.3	945.4	927.8	924.9	924.9	930.8
52.5°	1442.9	1287.9	1126.9	968.8	845.8	781.5	743.4	734.6	723.0	734.6	734.6
55°	1243.9	1088.8	930.8	781.5	679.0	611.8	576.6	564.9	559.0	567.8	567.8
57.5°	1027.4	895.6	749.3	614.7	512.3	465.4	439.0	424.4	421.4	427.3	421.4
60°	843.0	731.8	605.9	483.0	403.9	354.2	333.7	327.8	321.9	327.8	327.8
62.5°	667.3	573.7	471.2	377.6	310.2	275.2	251.7	251.7	248.8	248.8	251.7
65°	494.7	421.4	348.3	269.3	216.6	190.2	172.6	172.6	169.7	172.6	169.7
67.5°	360.0	310.2	251.7	196.1	155.2	140.5	128.8	120.0	125.9	120.0	117.1
70°	263.5	222.4	181.4	149.3	120.0	105.4	96.6	93.6	87.8	87.8	87.8
72.5°	175.7	149.3	122.9	96.6	79.0	64.3	61.4	55.7	49.8	52.6	58.6
75°	117.1	99.5	87.8	70.2	52.6	52.6	35.2	35.2	29.3	35.2	26.4
77.5°	81.9	67.3	52.6	43.9	35.2	32.2	23.4	23.4	20.5	20.5	20.5
80°	58.6	49.8	38.1	32.2	23.4	23.4	20.5	17.6	14.6	14.6	17.6
82.5°	35.2	26.4	26.4	23.4	14.6	11.7	8.8	11.7	5.9	5.9	5.9
85°	20.5	17.6	14.6	8.8	5.9	5.9	2.9	0.0	2.9	2.9	0.0
87.5°	11.7	5.9	5.9	2.9	0.0	2.9	2.9	0.0	0.0	0.0	5.9
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°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	6029.4	6026.4	6032.3	6032.3	6049.9	6046.9	6055.7	6055.7	6049.9	6052.8	6064.5
5°	6049.9	6058.7	6076.2	6090.9	6117.2	6129.0	6143.5	6158.2	6161.1	6169.9	6178.7
7.5°	6049.9	6079.2	6099.7	6125.9	6161.1	6181.6	6213.8	6240.2	6251.8	6266.4	6284.0
10°	6038.1	6067.4	6105.5	6134.7	6178.7	6210.9	6243.0	6284.0	6301.6	6325.0	6348.5
12.5°	6014.7	6046.9	6087.9	6125.9	6175.7	6205.0	6245.9	6284.0	6310.4	6342.6	6368.9
15°	5979.7	6017.6	6055.7	6093.8	6146.4	6181.6	6219.7	6263.5	6289.9	6325.0	6348.5
17.5°	5924.0	5965.0	6000.2	6035.2	6085.0	6125.9	6161.1	6202.1	6228.5	6257.7	6289.9
20°	5856.7	5894.8	5932.8	5962.1	6011.9	6046.9	6085.0	6123.1	6143.5	6149.4	6199.2
22.5°	5771.9	5798.1	5827.4	5874.3	5903.6	5935.7	5970.9	6006.0	6026.4	6058.7	6076.2
25°	5631.3	5657.7	5689.8	5710.3	5745.5	5771.9	5806.9	5845.0	5856.7	5880.2	5897.6
27.5°	5435.3	5449.9	5464.5	5482.0	5502.5	5517.2	5537.7	5555.3	5567.0	5578.6	5590.3
30°	5124.9	5124.9	5124.9	5113.2	5122.0	5130.8	5133.7	5130.8	5130.8	5127.9	5127.9
32.5°	4715.2	4691.8	4665.4	4642.1	4633.3	4621.6	4615.7	4606.9	4592.3	4583.5	4586.4
35°	4162.0	4109.3	4077.2	4047.9	4024.5	4006.9	3998.1	3989.4	3986.5	3974.8	3963.0
37.5°	3471.3	3433.2	3409.9	3392.3	3371.8	3354.2	3357.1	3360.1	3368.8	3363.0	3365.9
40°	2739.6	2730.8	2739.6	2719.1	2713.2	2719.1	2733.7	2754.3	2765.9	2777.6	2798.1
42.5°	2083.9	2098.5	2119.1	2119.1	2127.8	2139.6	2157.1	2189.4	2206.8	2227.3	2250.8
45°	1568.8	1586.4	1612.8	1621.5	1627.4	1641.9	1662.5	1688.8	1700.5	1718.1	1738.6
47.5°	1208.8	1220.5	1235.1	1249.8	1264.4	1270.3	1290.8	1290.8	1305.4	1317.1	1322.9
50°	942.5	954.1	965.8	974.6	980.5	989.3	995.1	1003.9	1006.8	1012.7	1015.6
52.5°	737.5	752.2	752.2	758.0	766.8	775.6	772.7	775.6	778.5	778.5	787.3
55°	576.6	576.6	585.4	585.4	591.3	588.3	591.3	591.3	591.3	591.3	594.2
57.5°	430.2	433.2	442.0	436.1	433.2	439.0	433.2	439.0	436.1	442.0	433.2
60°	330.7	330.7	333.7	333.7	336.6	336.6	336.6	333.7	333.7	330.7	330.7
62.5°	248.8	251.7	254.7	251.7	251.7	251.7	248.8	248.8	245.9	242.9	242.9
65°	166.9	164.0	169.7	164.0	166.9	166.9	164.0	166.9	158.1	161.0	158.1
67.5°	120.0	117.1	114.2	117.1	114.2	111.2	111.2	114.2	117.1	108.3	108.3
70°	79.0	81.9	79.0	81.9	84.9	84.9	81.9	79.0	81.9	76.1	79.0
72.5°	49.8	49.8	49.8	49.8	49.8	52.6	52.6	52.6	46.9	46.9	43.9
75°	23.4	32.2	26.4	23.4	32.2	32.2	29.3	29.3	26.4	26.4	26.4
77.5°	23.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6	14.6	17.6	14.6
80°	11.7	11.7	11.7	8.8	11.7	11.7	14.6	11.7	11.7	8.8	14.6
82.5°	5.9	5.9	5.9	0.0	2.9	5.9	5.9	2.9	5.9	5.9	2.9
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: P248978

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	6061.6	6058.7	6061.6	6064.5	6061.6	6058.7	6061.6	6064.5	6052.8	6049.9	6055.7
5°	6190.4	6190.4	6196.2	6199.2	6196.2	6190.4	6190.4	6178.7	6169.9	6161.1	6158.2
7.5°	6301.6	6307.5	6313.3	6316.2	6313.3	6307.5	6301.6	6284.0	6266.4	6251.8	6240.2
10°	6368.9	6377.7	6389.4	6395.2	6389.4	6377.7	6368.9	6348.5	6325.0	6301.6	6284.0
12.5°	6398.2	6407.0	6421.6	6418.7	6421.6	6407.0	6398.2	6368.9	6342.6	6310.4	6284.0
15°	6377.7	6389.4	6404.0	6409.9	6404.0	6389.4	6377.7	6348.5	6325.0	6289.9	6263.5
17.5°	6313.3	6330.9	6339.7	6348.5	6339.7	6330.9	6313.3	6289.9	6257.7	6228.5	6202.1
20°	6225.5	6237.3	6248.9	6251.8	6248.9	6237.3	6225.5	6199.2	6149.4	6143.5	6123.1
22.5°	6099.7	6108.5	6134.7	6125.9	6134.7	6108.5	6099.7	6076.2	6058.7	6026.4	6006.0
25°	5918.1	5926.9	5929.9	5932.8	5929.9	5926.9	5918.1	5897.6	5880.2	5856.7	5845.0
27.5°	5605.0	5605.0	5610.8	5613.8	5610.8	5605.0	5605.0	5590.3	5578.6	5567.0	5555.3
30°	5130.8	5130.8	5130.8	5145.5	5130.8	5130.8	5130.8	5127.9	5127.9	5130.8	5130.8
32.5°	4583.5	4577.6	4571.8	4577.6	4571.8	4577.6	4583.5	4586.4	4583.5	4592.3	4606.9
35°	3963.0	3960.1	3968.9	3957.2	3968.9	3960.1	3963.0	3963.0	3974.8	3986.5	3989.4
37.5°	3368.8	3363.0	3374.7	3363.0	3374.7	3363.0	3368.8	3365.9	3363.0	3368.8	3360.1
40°	2804.0	2809.8	2809.8	2833.3	2809.8	2809.8	2804.0	2798.1	2777.6	2765.9	2754.3
42.5°	2262.5	2280.1	2274.2	2291.8	2274.2	2280.1	2262.5	2250.8	2227.3	2206.8	2189.4
45°	1750.2	1762.0	1762.0	1767.8	1762.0	1762.0	1750.2	1738.6	1718.1	1700.5	1688.8
47.5°	1343.4	1343.4	1343.4	1346.4	1343.4	1343.4	1343.4	1322.9	1317.1	1305.4	1290.8
50°	1021.5	1024.4	1027.4	1030.3	1027.4	1024.4	1021.5	1015.6	1012.7	1006.8	1003.9
52.5°	784.4	787.3	781.5	787.3	781.5	787.3	784.4	787.3	778.5	778.5	775.6
55°	594.2	591.3	594.2	597.1	594.2	591.3	594.2	594.2	591.3	591.3	591.3
57.5°	436.1	430.2	430.2	430.2	430.2	430.2	436.1	433.2	442.0	436.1	439.0
60°	324.9	327.8	327.8	330.7	327.8	327.8	324.9	330.7	330.7	333.7	333.7
62.5°	240.0	248.8	242.9	248.8	242.9	248.8	240.0	242.9	242.9	245.9	248.8
65°	155.2	155.2	155.2	158.1	155.2	155.2	155.2	158.1	161.0	158.1	166.9
67.5°	105.4	108.3	114.2	111.2	114.2	108.3	105.4	108.3	108.3	117.1	114.2
70°	84.9	76.1	76.1	84.9	76.1	76.1	84.9	79.0	76.1	81.9	79.0
72.5°	49.8	43.9	49.8	49.8	49.8	43.9	49.8	43.9	46.9	46.9	52.6
75°	26.4	23.4	20.5	29.3	20.5	23.4	26.4	26.4	26.4	26.4	29.3
77.5°	17.6	14.6	20.5	20.5	20.5	14.6	17.6	14.6	17.6	14.6	17.6
80°	8.8	11.7	8.8	14.6	8.8	11.7	8.8	14.6	8.8	11.7	11.7
82.5°	2.9	5.9	5.9	5.9	5.9	5.9	2.9	2.9	5.9	5.9	2.9
85°	0.0	5.9	2.9	2.9	2.9	5.9	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	0.0	0.0	2.9	0.0	0.0	2.9	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: P248978

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	6055.7	6046.9	6049.9	6032.3	6032.3	6026.4	6029.4	6014.7	6009.0	6003.1	6011.9
5°	6143.5	6129.0	6117.2	6090.9	6076.2	6058.7	6049.9	6026.4	6006.0	5988.4	5985.5
7.5°	6213.8	6181.6	6161.1	6125.9	6099.7	6079.2	6049.9	6017.6	5991.4	5967.9	5950.4
10°	6243.0	6210.9	6178.7	6134.7	6105.5	6067.4	6038.1	5997.2	5962.1	5929.9	5909.3
12.5°	6245.9	6205.0	6175.7	6125.9	6087.9	6046.9	6014.7	5967.9	5926.9	5894.8	5862.6
15°	6219.7	6181.6	6146.4	6093.8	6055.7	6017.6	5979.7	5929.9	5891.9	5853.8	5830.4
17.5°	6161.1	6125.9	6085.0	6035.2	6000.2	5965.0	5924.0	5883.1	5839.1	5798.1	5768.9
20°	6085.0	6046.9	6011.9	5962.1	5932.8	5894.8	5856.7	5812.8	5777.7	5736.7	5704.5
22.5°	5970.9	5935.7	5903.6	5874.3	5827.4	5798.1	5771.9	5722.1	5686.9	5648.9	5613.8
25°	5806.9	5771.9	5745.5	5710.3	5689.8	5657.7	5631.3	5587.4	5555.3	5520.1	5490.8
27.5°	5537.7	5517.2	5502.5	5482.0	5464.5	5449.9	5435.3	5400.1	5376.7	5344.6	5315.3
30°	5133.7	5130.8	5122.0	5113.2	5124.9	5124.9	5124.9	5119.2	5098.7	5075.2	5054.7
32.5°	4615.7	4621.6	4633.3	4642.1	4665.4	4691.8	4715.2	4726.9	4726.9	4712.3	4703.5
35°	3998.1	4006.9	4024.5	4047.9	4077.2	4109.3	4162.0	4173.8	4182.5	4182.5	4170.8
37.5°	3357.1	3354.2	3371.8	3392.3	3409.9	3433.2	3471.3	3480.1	3494.7	3488.9	3477.1
40°	2733.7	2719.1	2713.2	2719.1	2739.6	2730.8	2739.6	2733.7	2733.7	2713.2	2713.2
42.5°	2157.1	2139.6	2127.8	2119.1	2119.1	2098.5	2083.9	2069.4	2060.6	2045.9	2043.0
45°	1662.5	1641.9	1627.4	1621.5	1612.8	1586.4	1568.8	1551.2	1530.7	1525.0	1527.8
47.5°	1290.8	1270.3	1264.4	1249.8	1235.1	1220.5	1208.8	1188.3	1185.3	1173.7	1185.3
50°	995.1	989.3	980.5	974.6	965.8	954.1	942.5	930.8	924.9	924.9	927.8
52.5°	772.7	775.6	766.8	758.0	752.2	752.2	737.5	734.6	734.6	723.0	734.6
55°	591.3	588.3	591.3	585.4	585.4	576.6	576.6	567.8	567.8	559.0	564.9
57.5°	433.2	439.0	433.2	436.1	442.0	433.2	430.2	421.4	427.3	421.4	424.4
60°	336.6	336.6	336.6	333.7	333.7	330.7	330.7	327.8	327.8	321.9	327.8
62.5°	248.8	251.7	251.7	251.7	254.7	251.7	248.8	251.7	248.8	248.8	251.7
65°	164.0	166.9	166.9	164.0	169.7	164.0	166.9	169.7	172.6	169.7	172.6
67.5°	111.2	111.2	114.2	117.1	114.2	117.1	120.0	117.1	120.0	125.9	120.0
70°	81.9	84.9	84.9	81.9	79.0	81.9	79.0	87.8	87.8	87.8	93.6
72.5°	52.6	52.6	49.8	49.8	49.8	49.8	49.8	58.6	52.6	49.8	55.7
75°	29.3	32.2	32.2	23.4	26.4	32.2	23.4	26.4	35.2	29.3	35.2
77.5°	17.6	17.6	17.6	17.6	17.6	17.6	23.4	20.5	20.5	20.5	23.4
80°	14.6	11.7	11.7	8.8	11.7	11.7	11.7	17.6	14.6	14.6	17.6
82.5°	5.9	5.9	2.9	0.0	5.9	5.9	5.9	5.9	5.9	5.9	11.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	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: P248978

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	5988.4	5988.4	5985.5	5979.7	5967.9	5967.9	5965.0	5956.2	5950.4	5947.4	5947.4
5°	5959.1	5947.4	5935.7	5903.6	5903.6	5897.6	5880.2	5868.4	5862.6	5847.9	5842.1
7.5°	5932.8	5897.6	5877.2	5856.7	5830.4	5818.6	5798.1	5789.3	5768.9	5754.3	5745.5
10°	5868.4	5845.0	5818.6	5786.5	5766.0	5742.6	5719.1	5701.6	5675.3	5660.6	5648.9
12.5°	5824.5	5789.3	5766.0	5730.8	5695.7	5675.3	5643.1	5622.6	5596.2	5567.0	5549.4
15°	5783.6	5745.5	5713.3	5675.3	5637.2	5613.8	5575.7	5552.4	5514.3	5485.0	5464.5
17.5°	5722.1	5689.8	5654.8	5607.9	5572.9	5543.6	5502.5	5473.3	5438.2	5400.1	5379.6
20°	5657.7	5619.6	5584.5	5537.7	5502.5	5467.4	5426.5	5394.3	5353.2	5318.2	5294.8
22.5°	5572.9	5528.9	5499.6	5452.7	5411.8	5373.8	5335.8	5297.7	5259.6	5230.3	5204.0
25°	5449.9	5403.0	5370.8	5332.8	5294.8	5265.5	5218.7	5195.3	5157.2	5130.8	5104.5
27.5°	5274.2	5239.1	5209.9	5171.8	5139.6	5116.3	5081.1	5057.7	5025.4	5002.1	4981.6
30°	5016.7	4987.5	4961.1	4923.0	4899.6	4879.2	4846.9	4826.4	4803.0	4776.6	4770.9
32.5°	4671.4	4647.9	4621.6	4595.2	4577.6	4565.9	4539.6	4527.9	4504.5	4489.8	4475.2
35°	4150.3	4129.8	4115.2	4103.6	4097.7	4100.5	4094.8	4106.5	4112.2	4109.3	4112.2
37.5°	3468.4	3456.6	3462.5	3471.3	3500.6	3538.7	3573.7	3626.4	3661.5	3696.7	3728.9
40°	2707.4	2716.2	2739.6	2792.2	2868.3	2953.3	3032.3	3131.8	3231.3	3301.6	3365.9
42.5°	2043.0	2069.4	2127.8	2203.9	2318.1	2443.9	2566.9	2713.2	2833.3	2950.3	3032.3
45°	1536.6	1571.7	1647.8	1753.2	1879.0	2025.4	2180.6	2344.4	2487.9	2607.9	2698.6
47.5°	1197.1	1229.3	1305.4	1416.6	1571.7	1724.0	1884.9	2054.7	2203.9	2321.0	2400.1
50°	945.4	986.3	1053.7	1170.8	1325.9	1486.9	1653.7	1820.5	1961.1	2060.6	2130.8
52.5°	743.4	781.5	845.8	968.8	1126.9	1287.9	1442.9	1606.9	1729.8	1826.4	1873.2
55°	576.6	611.8	679.0	781.5	930.8	1088.8	1243.9	1384.5	1498.6	1568.8	1612.8
57.5°	439.0	465.4	512.3	614.7	749.3	895.6	1027.4	1167.9	1255.7	1305.4	1334.6
60°	333.7	354.2	403.9	483.0	605.9	731.8	843.0	948.4	1018.6	1059.6	1088.8
62.5°	251.7	275.2	310.2	377.6	471.2	573.7	667.3	746.3	804.9	831.3	851.7
65°	172.6	190.2	216.6	269.3	348.3	421.4	494.7	553.2	591.3	620.6	632.2
67.5°	128.8	140.5	155.2	196.1	251.7	310.2	360.0	400.9	442.0	453.7	474.2
70°	96.6	105.4	120.0	149.3	181.4	222.4	263.5	286.8	316.1	336.6	342.5
72.5°	61.4	64.3	79.0	96.6	122.9	149.3	175.7	196.1	213.7	225.4	231.2
75°	35.2	52.6	52.6	70.2	87.8	99.5	117.1	131.7	140.5	149.3	149.3
77.5°	23.4	32.2	35.2	43.9	52.6	67.3	81.9	90.7	99.5	102.4	102.4
80°	20.5	23.4	23.4	32.2	38.1	49.8	58.6	61.4	67.3	70.2	76.1
82.5°	8.8	11.7	14.6	23.4	26.4	26.4	35.2	38.1	43.9	46.9	46.9
85°	2.9	5.9	5.9	8.8	14.6	17.6	20.5	23.4	26.4	26.4	29.3
87.5°	2.9	2.9	0.0	2.9	5.9	5.9	11.7	11.7	11.7	17.6	17.6
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: P248978

CATALOG NUMBER: LD8B100D010 ER8B100827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3	5994.3
2.5°	5941.6	5944.5	5932.8	5929.9	5924.0	5926.9	5932.8
5°	5833.3	5836.2	5824.5	5812.8	5812.8	5809.8	5812.8
7.5°	5730.8	5733.8	5716.2	5710.3	5698.6	5701.6	5701.6
10°	5628.4	5628.4	5602.1	5599.1	5590.3	5587.4	5587.4
12.5°	5528.9	5520.1	5499.6	5487.9	5493.8	5476.2	5476.2
15°	5441.1	5426.5	5400.1	5391.3	5376.7	5370.8	5370.8
17.5°	5350.3	5338.7	5315.3	5297.7	5280.1	5277.2	5280.1
20°	5262.5	5250.8	5221.6	5209.9	5195.3	5195.3	5189.4
22.5°	5174.7	5163.0	5136.7	5127.9	5107.5	5107.5	5110.4
25°	5084.0	5075.2	5045.9	5040.1	5037.2	5025.4	5031.3
27.5°	4961.1	4955.2	4931.8	4923.0	4911.3	4908.4	4914.2
30°	4735.7	4726.9	4709.4	4700.6	4680.1	4683.0	4688.8
32.5°	4454.7	4443.1	4419.6	4410.8	4393.3	4387.4	4390.3
35°	4103.6	4094.8	4074.3	4074.3	4056.7	4050.8	4056.7
37.5°	3746.5	3755.2	3746.5	3755.2	3746.5	3743.5	3746.5
40°	3409.9	3442.0	3447.8	3480.1	3468.4	3485.9	3483.0
42.5°	3087.9	3140.5	3161.1	3187.4	3181.6	3193.3	3202.1
45°	2762.9	2806.9	2827.4	2845.0	2847.9	2853.8	2856.7
47.5°	2455.6	2490.8	2493.7	2514.2	2511.3	2511.3	2520.1
50°	2168.9	2192.3	2198.0	2212.7	2201.0	2195.1	2198.0
52.5°	1902.5	1925.9	1920.0	1925.9	1911.3	1905.4	1908.3
55°	1630.2	1641.9	1641.9	1641.9	1624.5	1624.5	1624.5
57.5°	1352.2	1355.2	1349.3	1352.2	1349.3	1331.7	1328.8
60°	1097.6	1097.6	1094.6	1097.6	1088.8	1080.0	1080.0
62.5°	857.5	863.4	875.1	863.4	857.5	863.4	854.6
65°	641.0	652.7	649.7	655.6	652.7	652.7	646.8
67.5°	483.0	485.9	488.8	491.8	491.8	491.8	491.8
70°	354.2	363.0	360.0	360.0	360.0	360.0	377.6
72.5°	237.1	248.8	245.9	251.7	251.7	257.6	251.7
75°	161.0	172.6	166.9	175.7	172.6	166.9	181.4
77.5°	108.3	114.2	117.1	120.0	117.1	114.2	117.1
80°	76.1	81.9	79.0	81.9	81.9	81.9	84.9
82.5°	46.9	55.7	52.6	55.7	52.6	55.7	55.7
85°	32.2	35.2	29.3	35.2	32.2	32.2	38.1
87.5°	20.5	17.6	17.6	20.5	17.6	20.5	17.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)