

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: P248555

Luminaire Tested: **LD8B100D010 ER8B100830 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248555
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 ER8B100830 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10460.0 lumens
Efficiency: N/A
Efficacy: 98.4 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

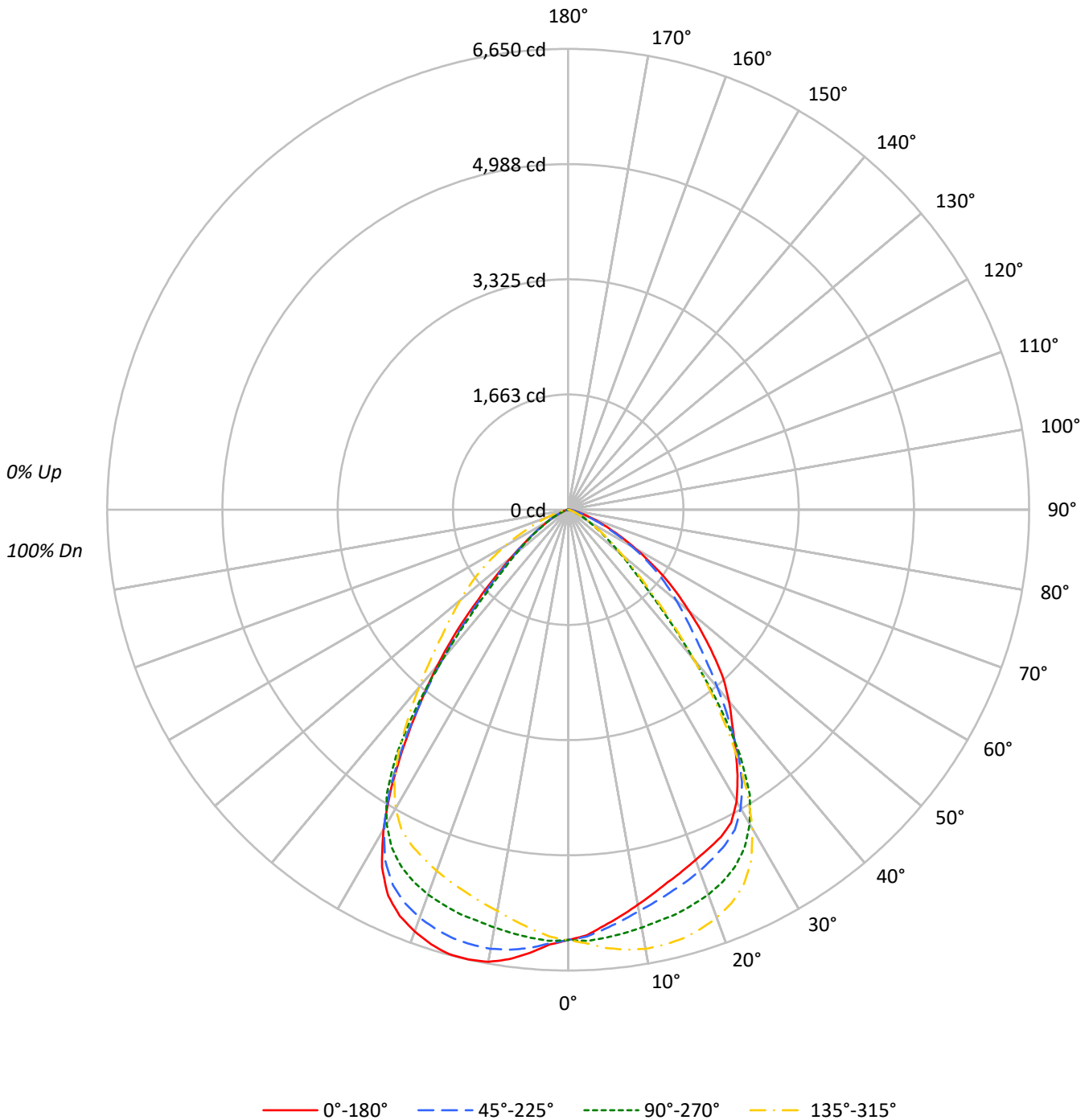
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	191487	191487	191487	191487
5°	186399	191937	198790	191937
10°	181243	191686	207445	191686
15°	177623	192822	211986	192822
20°	176415	193925	212532	193925
25°	177340	193536	209116	193536
30°	172956	186451	189802	186451
35°	158200	162649	154322	162649
40°	145244	113142	118153	113142
45°	129057	69025	79866	69025
50°	109239	46107	51201	46107
55°	90475	31461	33251	31461
60°	69006	20944	21129	20944
65°	48894	13046	11944	13046
70°	35261	8745	7934	8745
75°	22399	4337	3610	4337
80°	15627	3232	2681	3232
85°	13940	0	1061	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.1	5.7
10°-20°	1711.6	16.4
20°-30°	2591.7	24.8
30°-40°	2597.5	24.8
40°-50°	1631.1	15.6
50°-60°	869.2	8.3
60°-70°	357.4	3.4
70°-80°	94.4	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°	4894.3	46.8
0°-40°	7491.8	71.6
0°-60°	9992.2	95.5
0°-90°	10460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10460.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	6210	6210	6210	6210	6210	
5°	6022	6201	6422	6201	6022	568
15°	5564	6040	6640	6040	5564	1574
25°	5212	5688	6146	5688	5212	2391
35°	4202	4321	4100	4321	4202	2633
45°	2959	1583	1831	1583	2959	2276
55°	1683	585	618	585	1683	1500
65°	670	179	164	179	670	695
75°	188	36	30	36	188	213
85°	39	0	3	0	39	43
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°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6146.1	6140.0	6137.0	6143.1	6146.1	6158.2	6155.2	6161.2	6161.2	6164.3	6170.3
5°	6021.8	6018.7	6021.8	6021.8	6033.9	6046.0	6043.0	6052.1	6058.1	6073.4	6079.4
7.5°	5906.6	5906.6	5903.5	5915.6	5921.7	5939.9	5936.8	5952.0	5961.2	5976.3	5997.5
10°	5788.3	5788.3	5791.3	5800.4	5803.5	5830.7	5830.7	5852.0	5864.1	5879.3	5906.6
12.5°	5673.1	5673.1	5691.3	5685.2	5697.3	5718.5	5727.7	5748.9	5767.1	5797.4	5824.7
15°	5563.9	5563.9	5570.0	5585.1	5594.2	5621.6	5636.7	5661.0	5682.2	5712.5	5752.0
17.5°	5469.9	5466.9	5469.9	5488.2	5506.4	5530.6	5542.7	5573.0	5594.2	5633.7	5670.1
20°	5376.0	5382.1	5382.1	5397.2	5409.3	5439.6	5451.7	5485.2	5509.4	5545.7	5588.2
22.5°	5294.1	5291.1	5291.1	5312.3	5321.4	5348.6	5360.7	5391.1	5418.4	5448.7	5488.2
25°	5212.2	5206.1	5218.3	5221.3	5227.3	5257.6	5266.7	5288.0	5315.3	5342.6	5382.1
27.5°	5090.9	5084.9	5087.9	5100.0	5109.1	5133.3	5139.4	5160.7	5181.9	5206.1	5239.5
30°	4857.4	4851.4	4848.4	4869.6	4878.7	4896.8	4905.9	4942.4	4948.4	4975.7	4999.9
32.5°	4548.1	4545.1	4551.2	4569.3	4578.5	4602.8	4614.9	4636.1	4651.2	4666.4	4690.7
35°	4202.5	4196.4	4202.5	4220.8	4220.8	4242.0	4251.1	4260.1	4257.1	4260.1	4254.1
37.5°	3881.2	3878.0	3881.2	3890.2	3881.2	3890.2	3881.2	3862.9	3829.6	3793.2	3756.7
40°	3608.2	3611.2	3593.1	3605.2	3571.8	3565.8	3532.5	3486.9	3420.3	3347.5	3244.4
42.5°	3317.2	3308.1	3296.0	3302.0	3274.7	3253.4	3198.9	3141.3	3056.3	2935.2	2810.7
45°	2959.4	2956.4	2950.3	2947.3	2929.0	2907.8	2862.3	2795.6	2701.6	2577.3	2428.7
47.5°	2610.7	2601.5	2601.5	2604.5	2583.3	2580.3	2543.9	2486.4	2404.5	2283.2	2128.5
50°	2277.1	2274.1	2280.2	2292.3	2277.1	2271.1	2246.9	2207.4	2134.7	2031.6	1885.9
52.5°	1976.9	1973.9	1980.0	1995.1	1989.0	1995.1	1970.9	1940.6	1892.0	1791.9	1664.6
55°	1682.9	1682.9	1682.9	1701.0	1701.0	1701.0	1688.9	1670.8	1625.2	1552.4	1434.3
57.5°	1376.6	1379.6	1397.8	1400.8	1397.8	1403.9	1400.8	1382.6	1352.4	1300.8	1209.9
60°	1118.9	1118.9	1128.0	1137.1	1134.0	1137.1	1137.1	1128.0	1097.7	1055.2	982.5
62.5°	885.4	894.5	888.4	894.5	906.6	894.5	888.4	882.4	861.2	833.8	773.2
65°	670.1	676.2	676.2	679.2	673.1	676.2	664.1	655.0	642.9	612.5	573.1
67.5°	509.5	509.5	509.5	509.5	506.3	503.3	500.3	491.2	470.0	457.9	415.3
70°	391.1	372.9	372.9	372.9	372.9	376.0	366.9	354.8	348.7	327.5	297.2
72.5°	260.7	266.8	260.7	260.7	254.7	257.7	245.6	239.5	233.5	221.4	203.2
75°	188.0	172.9	178.8	182.0	172.9	178.8	166.7	154.6	154.6	145.5	136.4
77.5°	121.3	118.3	121.3	124.3	121.3	118.3	112.2	106.1	106.1	103.1	94.0
80°	88.0	84.9	84.9	84.9	81.9	84.9	78.9	78.9	72.8	69.8	63.7
82.5°	57.7	57.7	54.5	57.7	54.5	57.7	48.5	48.5	48.5	45.4	39.4
85°	39.4	33.3	33.3	36.4	30.3	36.4	33.3	30.3	27.3	27.3	24.2
87.5°	18.2	21.2	18.2	21.2	18.2	18.2	21.2	18.2	18.2	12.1	12.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6179.4	6182.4	6182.4	6194.7	6200.7	6203.7	6203.7	6228.0	6218.9	6225.0	6231.0
5°	6091.6	6109.7	6115.8	6115.8	6149.1	6161.2	6173.3	6200.7	6203.7	6221.9	6243.1
7.5°	6006.6	6027.8	6040.0	6067.2	6088.5	6109.7	6146.1	6164.3	6182.4	6206.8	6234.0
10°	5924.7	5949.1	5973.3	5994.5	6027.8	6055.1	6079.4	6121.8	6143.1	6176.4	6212.8
12.5°	5846.0	5879.3	5900.5	5936.8	5973.3	5997.5	6033.9	6073.4	6106.7	6140.0	6182.4
15°	5776.2	5815.6	5839.9	5879.3	5918.7	5952.0	5991.5	6040.0	6064.2	6103.7	6143.1
17.5°	5700.3	5742.9	5773.2	5809.5	5858.1	5894.4	5927.8	5976.3	6006.6	6049.0	6094.6
20°	5621.6	5664.0	5700.3	5736.8	5785.3	5821.6	5861.1	5909.6	5942.9	5985.4	6021.8
22.5°	5527.6	5567.0	5606.3	5648.8	5697.3	5727.7	5773.2	5815.6	5852.0	5891.4	5927.8
25°	5406.3	5454.8	5485.2	5524.5	5563.9	5597.2	5645.8	5688.2	5718.5	5755.0	5788.3
27.5°	5263.8	5300.2	5324.4	5357.7	5397.2	5427.5	5463.8	5506.4	5536.7	5570.0	5594.2
30°	5021.1	5054.6	5075.8	5100.0	5139.4	5166.8	5197.1	5236.4	5257.6	5282.0	5303.2
32.5°	4702.8	4730.1	4742.2	4760.4	4787.7	4815.0	4839.3	4872.6	4881.7	4896.8	4896.8
35°	4242.0	4248.0	4245.0	4251.1	4263.2	4278.3	4299.5	4320.7	4332.8	4332.8	4323.9
37.5°	3702.2	3665.9	3626.4	3596.1	3587.0	3580.9	3593.1	3602.1	3614.3	3620.3	3605.2
40°	3141.3	3059.5	2971.5	2892.6	2838.1	2813.8	2804.7	2810.7	2810.7	2831.9	2831.9
42.5°	2659.2	2531.8	2401.5	2283.2	2204.3	2143.8	2116.4	2116.4	2119.4	2134.7	2143.8
45°	2259.0	2098.2	1946.6	1816.3	1707.1	1628.2	1591.9	1582.8	1579.8	1585.8	1607.0
47.5°	1952.7	1786.0	1628.2	1467.6	1352.4	1273.5	1240.2	1228.0	1215.8	1228.0	1231.1
50°	1713.2	1540.3	1373.6	1212.8	1091.5	1021.8	979.3	961.1	958.1	958.1	964.2
52.5°	1494.8	1334.2	1167.4	1003.7	876.3	809.6	770.2	761.1	749.0	761.1	761.1
55°	1288.6	1128.0	964.2	809.6	703.4	633.8	597.3	585.2	579.1	588.2	588.2
57.5°	1064.3	927.8	776.3	636.8	530.7	482.1	454.8	439.7	436.6	442.7	436.6
60°	873.3	758.1	627.6	500.3	418.5	366.9	345.7	339.6	333.5	339.6	339.6
62.5°	691.3	594.3	488.1	391.1	321.4	285.1	260.7	260.7	257.7	257.7	260.7
65°	512.4	436.6	360.8	278.9	224.4	197.1	178.8	178.8	175.8	178.8	175.8
67.5°	372.9	321.4	260.7	203.2	160.7	145.5	133.4	124.3	130.4	124.3	121.3
70°	272.9	230.4	188.0	154.6	124.3	109.2	100.1	97.0	91.0	91.0	91.0
72.5°	182.0	154.6	127.3	100.1	81.9	66.6	63.7	57.7	51.5	54.5	60.7
75°	121.3	103.1	91.0	72.8	54.5	54.5	36.4	36.4	30.3	36.4	27.3
77.5°	84.9	69.8	54.5	45.4	36.4	33.3	24.2	24.2	21.2	21.2	21.2
80°	60.7	51.5	39.4	33.3	24.2	24.2	21.2	18.2	15.1	15.1	18.2
82.5°	36.4	27.3	27.3	24.2	15.1	12.1	9.1	12.1	6.1	6.1	6.1
85°	21.2	18.2	15.1	9.1	6.1	6.1	3.0	0.0	3.0	3.0	0.0
87.5°	12.1	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°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6246.2	6243.1	6249.2	6249.2	6267.4	6264.3	6273.4	6273.4	6267.4	6270.4	6282.5
5°	6267.4	6276.5	6294.6	6309.9	6337.1	6349.3	6364.4	6379.6	6382.6	6391.7	6400.8
7.5°	6267.4	6297.8	6319.0	6346.2	6382.6	6403.8	6437.2	6464.5	6476.6	6491.7	6509.9
10°	6255.2	6285.5	6325.0	6355.3	6400.8	6434.2	6467.5	6509.9	6528.1	6552.4	6576.7
12.5°	6231.0	6264.3	6306.7	6346.2	6397.7	6428.1	6470.5	6509.9	6537.3	6570.6	6597.9
15°	6194.7	6234.0	6273.4	6312.9	6367.4	6403.8	6443.3	6488.7	6516.0	6552.4	6576.7
17.5°	6137.0	6179.4	6215.9	6252.2	6303.7	6346.2	6382.6	6425.1	6452.4	6482.7	6516.0
20°	6067.2	6106.7	6146.1	6176.4	6228.0	6264.3	6303.7	6343.2	6364.4	6370.5	6422.1
22.5°	5979.4	6006.6	6036.9	6085.5	6115.8	6149.1	6185.6	6221.9	6243.1	6276.5	6294.6
25°	5833.7	5861.1	5894.4	5915.6	5952.0	5979.4	6015.7	6055.1	6067.2	6091.6	6109.7
27.5°	5630.7	5645.8	5661.0	5679.1	5700.3	5715.5	5736.8	5755.0	5767.1	5779.2	5791.3
30°	5309.2	5309.2	5309.2	5297.1	5306.2	5315.3	5318.3	5315.3	5315.3	5312.3	5312.3
32.5°	4884.7	4860.5	4833.2	4809.0	4799.9	4787.7	4781.6	4772.5	4757.4	4748.3	4751.3
35°	4311.6	4257.1	4223.8	4193.4	4169.2	4151.0	4141.9	4132.8	4129.8	4117.7	4105.4
37.5°	3596.1	3556.7	3532.5	3514.2	3493.0	3474.8	3477.8	3480.9	3489.9	3483.9	3486.9
40°	2838.1	2828.9	2838.1	2816.8	2810.7	2816.8	2831.9	2853.3	2865.4	2877.5	2898.7
42.5°	2158.9	2174.0	2195.3	2195.3	2204.3	2216.5	2234.6	2268.1	2286.2	2307.4	2331.7
45°	1625.2	1643.4	1670.8	1679.7	1685.9	1701.0	1722.3	1749.5	1761.6	1779.8	1801.1
47.5°	1252.3	1264.4	1279.5	1294.7	1309.8	1315.9	1337.2	1337.2	1352.4	1364.5	1370.5
50°	976.3	988.5	1000.6	1009.7	1015.8	1024.9	1030.9	1040.0	1043.0	1049.1	1052.1
52.5°	764.1	779.3	779.3	785.3	794.4	803.5	800.5	803.5	806.5	806.5	815.6
55°	597.3	597.3	606.4	606.4	612.5	609.4	612.5	612.5	612.5	612.5	615.5
57.5°	445.7	448.8	457.9	451.8	448.8	454.8	448.8	454.8	451.8	457.9	448.8
60°	342.6	342.6	345.7	345.7	348.7	348.7	348.7	345.7	345.7	342.6	342.6
62.5°	257.7	260.7	263.8	260.7	260.7	260.7	257.7	257.7	254.7	251.6	251.6
65°	172.9	169.9	175.8	169.9	172.9	172.9	169.9	172.9	163.7	166.7	163.7
67.5°	124.3	121.3	118.3	121.3	118.3	115.2	115.2	118.3	121.3	112.2	112.2
70°	81.9	84.9	81.9	84.9	88.0	88.0	84.9	81.9	84.9	78.9	81.9
72.5°	51.5	51.5	51.5	51.5	51.5	54.5	54.5	54.5	48.5	48.5	45.4
75°	24.2	33.3	27.3	24.2	33.3	33.3	30.3	30.3	27.3	27.3	27.3
77.5°	24.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	15.1	18.2	15.1
80°	12.1	12.1	12.1	9.1	12.1	12.1	15.1	12.1	12.1	9.1	15.1
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: P248555

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6279.5	6276.5	6279.5	6282.5	6279.5	6276.5	6279.5	6282.5	6270.4	6267.4	6273.4
5°	6413.0	6413.0	6418.9	6422.1	6418.9	6413.0	6413.0	6400.8	6391.7	6382.6	6379.6
7.5°	6528.1	6534.3	6540.3	6543.2	6540.3	6534.3	6528.1	6509.9	6491.7	6476.6	6464.5
10°	6597.9	6607.0	6619.1	6625.1	6619.1	6607.0	6597.9	6576.7	6552.4	6528.1	6509.9
12.5°	6628.2	6637.4	6652.5	6649.5	6652.5	6637.4	6628.2	6597.9	6570.6	6537.3	6509.9
15°	6607.0	6619.1	6634.2	6640.3	6634.2	6619.1	6607.0	6576.7	6552.4	6516.0	6488.7
17.5°	6540.3	6558.5	6567.6	6576.7	6567.6	6558.5	6540.3	6516.0	6482.7	6452.4	6425.1
20°	6449.3	6461.5	6473.6	6476.6	6473.6	6461.5	6449.3	6422.1	6370.5	6364.4	6343.2
22.5°	6319.0	6328.1	6355.3	6346.2	6355.3	6328.1	6319.0	6294.6	6276.5	6243.1	6221.9
25°	6130.9	6140.0	6143.1	6146.1	6143.1	6140.0	6130.9	6109.7	6091.6	6067.2	6055.1
27.5°	5806.5	5806.5	5812.5	5815.6	5812.5	5806.5	5806.5	5791.3	5779.2	5767.1	5755.0
30°	5315.3	5315.3	5315.3	5330.5	5315.3	5315.3	5315.3	5312.3	5312.3	5315.3	5315.3
32.5°	4748.3	4742.2	4736.2	4742.2	4736.2	4742.2	4748.3	4751.3	4748.3	4757.4	4772.5
35°	4105.4	4102.4	4111.6	4099.5	4111.6	4102.4	4105.4	4105.4	4117.7	4129.8	4132.8
37.5°	3489.9	3483.9	3496.0	3483.9	3496.0	3483.9	3489.9	3486.9	3483.9	3489.9	3480.9
40°	2904.8	2910.8	2910.8	2935.2	2910.8	2910.8	2904.8	2898.7	2877.5	2865.4	2853.3
42.5°	2343.8	2362.0	2355.9	2374.2	2355.9	2362.0	2343.8	2331.7	2307.4	2286.2	2268.1
45°	1813.2	1825.4	1825.4	1831.4	1825.4	1825.4	1813.2	1801.1	1779.8	1761.6	1749.5
47.5°	1391.7	1391.7	1391.7	1394.8	1391.7	1391.7	1391.7	1370.5	1364.5	1352.4	1337.2
50°	1058.2	1061.2	1064.3	1067.3	1064.3	1061.2	1058.2	1052.1	1049.1	1043.0	1040.0
52.5°	812.6	815.6	809.6	815.6	809.6	815.6	812.6	815.6	806.5	806.5	803.5
55°	615.5	612.5	615.5	618.5	615.5	612.5	615.5	615.5	612.5	612.5	612.5
57.5°	451.8	445.7	445.7	445.7	445.7	445.7	451.8	448.8	457.9	451.8	454.8
60°	336.6	339.6	339.6	342.6	339.6	339.6	336.6	342.6	342.6	345.7	345.7
62.5°	248.6	257.7	251.6	257.7	251.6	257.7	248.6	251.6	251.6	254.7	257.7
65°	160.7	160.7	160.7	163.7	160.7	160.7	160.7	163.7	166.7	163.7	172.9
67.5°	109.2	112.2	118.3	115.2	118.3	112.2	109.2	112.2	112.2	121.3	118.3
70°	88.0	78.9	78.9	88.0	78.9	78.9	88.0	81.9	78.9	84.9	81.9
72.5°	51.5	45.4	51.5	51.5	51.5	45.4	51.5	45.4	48.5	48.5	54.5
75°	27.3	24.2	21.2	30.3	21.2	24.2	27.3	27.3	27.3	27.3	30.3
77.5°	18.2	15.1	21.2	21.2	21.2	15.1	18.2	15.1	18.2	15.1	18.2
80°	9.1	12.1	9.1	15.1	9.1	12.1	9.1	15.1	9.1	12.1	12.1
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: P248555

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6273.4	6264.3	6267.4	6249.2	6249.2	6243.1	6246.2	6231.0	6225.0	6218.9	6228.0
5°	6364.4	6349.3	6337.1	6309.9	6294.6	6276.5	6267.4	6243.1	6221.9	6203.7	6200.7
7.5°	6437.2	6403.8	6382.6	6346.2	6319.0	6297.8	6267.4	6234.0	6206.8	6182.4	6164.3
10°	6467.5	6434.2	6400.8	6355.3	6325.0	6285.5	6255.2	6212.8	6176.4	6143.1	6121.8
12.5°	6470.5	6428.1	6397.7	6346.2	6306.7	6264.3	6231.0	6182.4	6140.0	6106.7	6073.4
15°	6443.3	6403.8	6367.4	6312.9	6273.4	6234.0	6194.7	6143.1	6103.7	6064.2	6040.0
17.5°	6382.6	6346.2	6303.7	6252.2	6215.9	6179.4	6137.0	6094.6	6049.0	6006.6	5976.3
20°	6303.7	6264.3	6228.0	6176.4	6146.1	6106.7	6067.2	6021.8	5985.4	5942.9	5909.6
22.5°	6185.6	6149.1	6115.8	6085.5	6036.9	6006.6	5979.4	5927.8	5891.4	5852.0	5815.6
25°	6015.7	5979.4	5952.0	5915.6	5894.4	5861.1	5833.7	5788.3	5755.0	5718.5	5688.2
27.5°	5736.8	5715.5	5700.3	5679.1	5661.0	5645.8	5630.7	5594.2	5570.0	5536.7	5506.4
30°	5318.3	5315.3	5306.2	5297.1	5309.2	5309.2	5309.2	5303.2	5282.0	5257.6	5236.4
32.5°	4781.6	4787.7	4799.9	4809.0	4833.2	4860.5	4884.7	4896.8	4896.8	4881.7	4872.6
35°	4141.9	4151.0	4169.2	4193.4	4223.8	4257.1	4311.6	4323.9	4332.8	4332.8	4320.7
37.5°	3477.8	3474.8	3493.0	3514.2	3532.5	3556.7	3596.1	3605.2	3620.3	3614.3	3602.1
40°	2831.9	2816.8	2810.7	2816.8	2838.1	2828.9	2838.1	2831.9	2831.9	2810.7	2810.7
42.5°	2234.6	2216.5	2204.3	2195.3	2195.3	2174.0	2158.9	2143.8	2134.7	2119.4	2116.4
45°	1722.3	1701.0	1685.9	1679.7	1670.8	1643.4	1625.2	1607.0	1585.8	1579.8	1582.8
47.5°	1337.2	1315.9	1309.8	1294.7	1279.5	1264.4	1252.3	1231.1	1228.0	1215.8	1228.0
50°	1030.9	1024.9	1015.8	1009.7	1000.6	988.5	976.3	964.2	958.1	958.1	961.1
52.5°	800.5	803.5	794.4	785.3	779.3	779.3	764.1	761.1	761.1	749.0	761.1
55°	612.5	609.4	612.5	606.4	606.4	597.3	597.3	588.2	588.2	579.1	585.2
57.5°	448.8	454.8	448.8	451.8	457.9	448.8	445.7	436.6	442.7	436.6	439.7
60°	348.7	348.7	348.7	345.7	345.7	342.6	342.6	339.6	339.6	333.5	339.6
62.5°	257.7	260.7	260.7	260.7	263.8	260.7	257.7	260.7	257.7	257.7	260.7
65°	169.9	172.9	172.9	169.9	175.8	169.9	172.9	175.8	178.8	175.8	178.8
67.5°	115.2	115.2	118.3	121.3	118.3	121.3	124.3	121.3	124.3	130.4	124.3
70°	84.9	88.0	88.0	84.9	81.9	84.9	81.9	91.0	91.0	91.0	97.0
72.5°	54.5	54.5	51.5	51.5	51.5	51.5	51.5	60.7	54.5	51.5	57.7
75°	30.3	33.3	33.3	24.2	27.3	33.3	24.2	27.3	36.4	30.3	36.4
77.5°	18.2	18.2	18.2	18.2	18.2	18.2	24.2	21.2	21.2	21.2	24.2
80°	15.1	12.1	12.1	9.1	12.1	12.1	12.1	18.2	15.1	15.1	18.2
82.5°	6.1	6.1	3.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	12.1
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: P248555

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6203.7	6203.7	6200.7	6194.7	6182.4	6182.4	6179.4	6170.3	6164.3	6161.2	6161.2
5°	6173.3	6161.2	6149.1	6115.8	6115.8	6109.7	6091.6	6079.4	6073.4	6058.1	6052.1
7.5°	6146.1	6109.7	6088.5	6067.2	6040.0	6027.8	6006.6	5997.5	5976.3	5961.2	5952.0
10°	6079.4	6055.1	6027.8	5994.5	5973.3	5949.1	5924.7	5906.6	5879.3	5864.1	5852.0
12.5°	6033.9	5997.5	5973.3	5936.8	5900.5	5879.3	5846.0	5824.7	5797.4	5767.1	5748.9
15°	5991.5	5952.0	5918.7	5879.3	5839.9	5815.6	5776.2	5752.0	5712.5	5682.2	5661.0
17.5°	5927.8	5894.4	5858.1	5809.5	5773.2	5742.9	5700.3	5670.1	5633.7	5594.2	5573.0
20°	5861.1	5821.6	5785.3	5736.8	5700.3	5664.0	5621.6	5588.2	5545.7	5509.4	5485.2
22.5°	5773.2	5727.7	5697.3	5648.8	5606.3	5567.0	5527.6	5488.2	5448.7	5418.4	5391.1
25°	5645.8	5597.2	5563.9	5524.5	5485.2	5454.8	5406.3	5382.1	5342.6	5315.3	5288.0
27.5°	5463.8	5427.5	5397.2	5357.7	5324.4	5300.2	5263.8	5239.5	5206.1	5181.9	5160.7
30°	5197.1	5166.8	5139.4	5100.0	5075.8	5054.6	5021.1	4999.9	4975.7	4948.4	4942.4
32.5°	4839.3	4815.0	4787.7	4760.4	4742.2	4730.1	4702.8	4690.7	4666.4	4651.2	4636.1
35°	4299.5	4278.3	4263.2	4251.1	4245.0	4248.0	4242.0	4254.1	4260.1	4257.1	4260.1
37.5°	3593.1	3580.9	3587.0	3596.1	3626.4	3665.9	3702.2	3756.7	3793.2	3829.6	3862.9
40°	2804.7	2813.8	2838.1	2892.6	2971.5	3059.5	3141.3	3244.4	3347.5	3420.3	3486.9
42.5°	2116.4	2143.8	2204.3	2283.2	2401.5	2531.8	2659.2	2810.7	2935.2	3056.3	3141.3
45°	1591.9	1628.2	1707.1	1816.3	1946.6	2098.2	2259.0	2428.7	2577.3	2701.6	2795.6
47.5°	1240.2	1273.5	1352.4	1467.6	1628.2	1786.0	1952.7	2128.5	2283.2	2404.5	2486.4
50°	979.3	1021.8	1091.5	1212.8	1373.6	1540.3	1713.2	1885.9	2031.6	2134.7	2207.4
52.5°	770.2	809.6	876.3	1003.7	1167.4	1334.2	1494.8	1664.6	1791.9	1892.0	1940.6
55°	597.3	633.8	703.4	809.6	964.2	1128.0	1288.6	1434.3	1552.4	1625.2	1670.8
57.5°	454.8	482.1	530.7	636.8	776.3	927.8	1064.3	1209.9	1300.8	1352.4	1382.6
60°	345.7	366.9	418.5	500.3	627.6	758.1	873.3	982.5	1055.2	1097.7	1128.0
62.5°	260.7	285.1	321.4	391.1	488.1	594.3	691.3	773.2	833.8	861.2	882.4
65°	178.8	197.1	224.4	278.9	360.8	436.6	512.4	573.1	612.5	642.9	655.0
67.5°	133.4	145.5	160.7	203.2	260.7	321.4	372.9	415.3	457.9	470.0	491.2
70°	100.1	109.2	124.3	154.6	188.0	230.4	272.9	297.2	327.5	348.7	354.8
72.5°	63.7	66.6	81.9	100.1	127.3	154.6	182.0	203.2	221.4	233.5	239.5
75°	36.4	54.5	54.5	72.8	91.0	103.1	121.3	136.4	145.5	154.6	154.6
77.5°	24.2	33.3	36.4	45.4	54.5	69.8	84.9	94.0	103.1	106.1	106.1
80°	21.2	24.2	24.2	33.3	39.4	51.5	60.7	63.7	69.8	72.8	78.9
82.5°	9.1	12.1	15.1	24.2	27.3	27.3	36.4	39.4	45.4	48.5	48.5
85°	3.0	6.1	6.1	9.1	15.1	18.2	21.2	24.2	27.3	27.3	30.3
87.5°	3.0	3.0	0.0	3.0	6.1	6.1	12.1	12.1	12.1	18.2	18.2
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: P248555

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8	6209.8
2.5°	6155.2	6158.2	6146.1	6143.1	6137.0	6140.0	6146.1
5°	6043.0	6046.0	6033.9	6021.8	6021.8	6018.7	6021.8
7.5°	5936.8	5939.9	5921.7	5915.6	5903.5	5906.6	5906.6
10°	5830.7	5830.7	5803.5	5800.4	5791.3	5788.3	5788.3
12.5°	5727.7	5718.5	5697.3	5685.2	5691.3	5673.1	5673.1
15°	5636.7	5621.6	5594.2	5585.1	5570.0	5563.9	5563.9
17.5°	5542.7	5530.6	5506.4	5488.2	5469.9	5466.9	5469.9
20°	5451.7	5439.6	5409.3	5397.2	5382.1	5382.1	5376.0
22.5°	5360.7	5348.6	5321.4	5312.3	5291.1	5291.1	5294.1
25°	5266.7	5257.6	5227.3	5221.3	5218.3	5206.1	5212.2
27.5°	5139.4	5133.3	5109.1	5100.0	5087.9	5084.9	5090.9
30°	4905.9	4896.8	4878.7	4869.6	4848.4	4851.4	4857.4
32.5°	4614.9	4602.8	4578.5	4569.3	4551.2	4545.1	4548.1
35°	4251.1	4242.0	4220.8	4220.8	4202.5	4196.4	4202.5
37.5°	3881.2	3890.2	3881.2	3890.2	3881.2	3878.0	3881.2
40°	3532.5	3565.8	3571.8	3605.2	3593.1	3611.2	3608.2
42.5°	3198.9	3253.4	3274.7	3302.0	3296.0	3308.1	3317.2
45°	2862.3	2907.8	2929.0	2947.3	2950.3	2956.4	2959.4
47.5°	2543.9	2580.3	2583.3	2604.5	2601.5	2601.5	2610.7
50°	2246.9	2271.1	2277.1	2292.3	2280.2	2274.1	2277.1
52.5°	1970.9	1995.1	1989.0	1995.1	1980.0	1973.9	1976.9
55°	1688.9	1701.0	1701.0	1701.0	1682.9	1682.9	1682.9
57.5°	1400.8	1403.9	1397.8	1400.8	1397.8	1379.6	1376.6
60°	1137.1	1137.1	1134.0	1137.1	1128.0	1118.9	1118.9
62.5°	888.4	894.5	906.6	894.5	888.4	894.5	885.4
65°	664.1	676.2	673.1	679.2	676.2	676.2	670.1
67.5°	500.3	503.3	506.3	509.5	509.5	509.5	509.5
70°	366.9	376.0	372.9	372.9	372.9	372.9	391.1
72.5°	245.6	257.7	254.7	260.7	260.7	266.8	260.7
75°	166.7	178.8	172.9	182.0	178.8	172.9	188.0
77.5°	112.2	118.3	121.3	124.3	121.3	118.3	121.3
80°	78.9	84.9	81.9	84.9	84.9	84.9	88.0
82.5°	48.5	57.7	54.5	57.7	54.5	57.7	57.7
85°	33.3	36.4	30.3	36.4	33.3	33.3	39.4
87.5°	21.2	18.2	18.2	21.2	18.2	21.2	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)