

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: P248987

Luminaire Tested: **LD8B100D010 ER8B100830 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248987  
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 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10350.0 lumens  
Efficiency: N/A  
Efficacy: 97.4 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

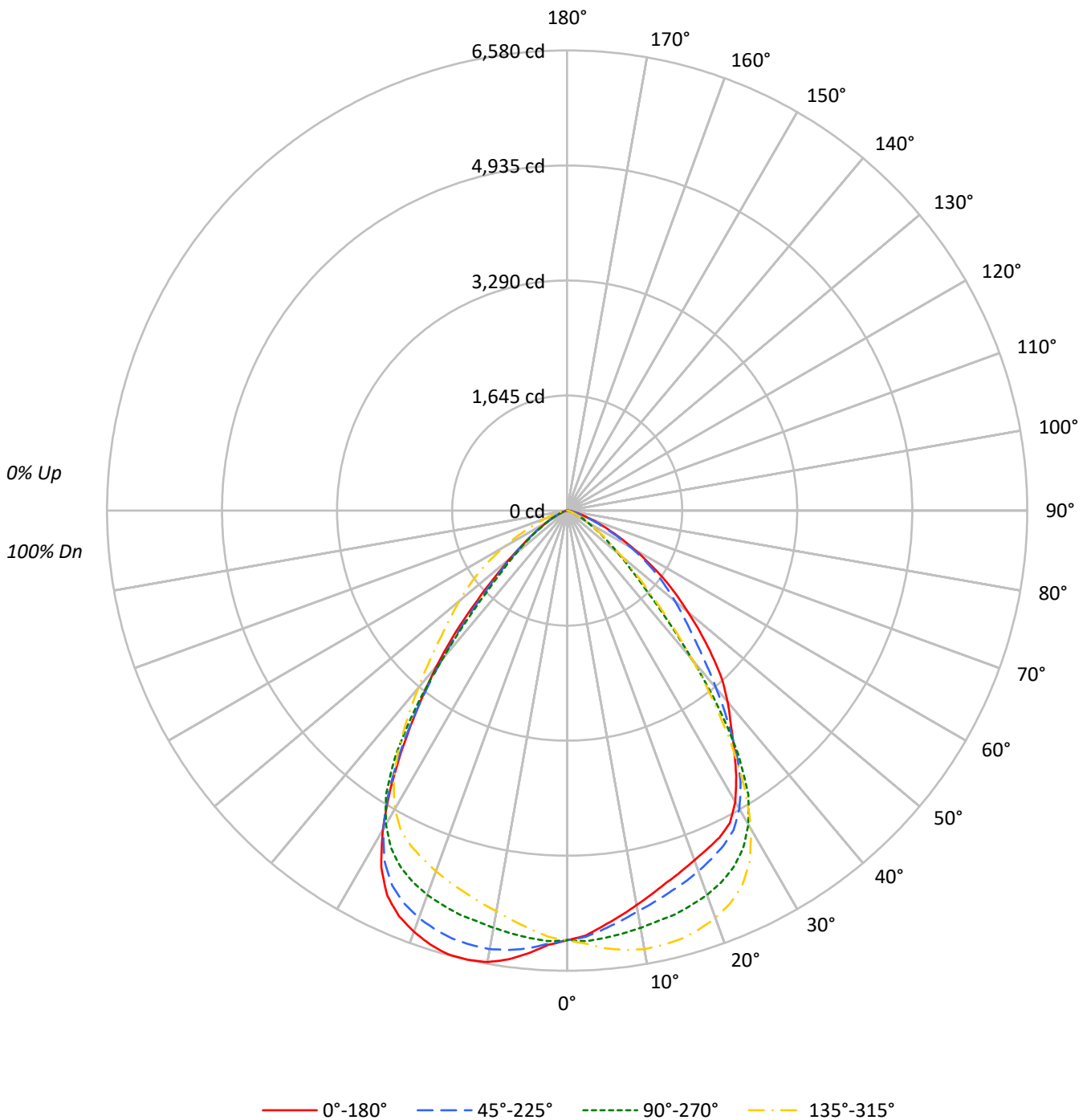
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	189474	189474	189474	189474
5°	184440	189919	196698	189919
10°	179336	189669	205263	189669
15°	175755	190794	209757	190794
20°	174558	191888	210297	191888
25°	175476	191501	206918	191501
30°	171137	184493	187808	184493
35°	156536	160940	152696	160940
40°	143719	111954	116910	111954
45°	127696	68296	79024	68296
50°	108087	45622	50664	45622
55°	89524	31133	32902	31133
60°	68278	20722	20907	20722
65°	48376	12915	11820	12915
70°	34892	8655	7853	8655
75°	22160	4301	3574	4301
80°	15467	3196	2646	3196
85°	13798	0	1061	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	584.8	5.7
10°-20°	1693.6	16.4
20°-30°	2564.4	24.8
30°-40°	2570.2	24.8
40°-50°	1614.0	15.6
50°-60°	860.1	8.3
60°-70°	353.7	3.4
70°-80°	93.4	0.9
80°-90°	15.8	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°	4842.9	46.8
0°-40°	7413.1	71.6
0°-60°	9887.1	95.5
0°-90°	10350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10350.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	6144	6144	6144	6144	6144	
5°	5958	6136	6354	6136	5958	562
15°	5505	5976	6570	5976	5505	1557
25°	5157	5628	6082	5628	5157	2365
35°	4158	4275	4056	4275	4158	2605
45°	2928	1566	1812	1566	2928	2252
55°	1665	579	612	579	1665	1485
65°	663	177	162	177	663	688
75°	186	36	30	36	186	211
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°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6081.5	6075.4	6072.5	6078.5	6081.5	6093.5	6090.5	6096.4	6096.4	6099.5	6105.4
5°	5958.5	5955.4	5958.5	5958.5	5970.5	5982.4	5979.5	5988.5	5994.4	6009.5	6015.4
7.5°	5844.5	5844.5	5841.4	5853.4	5859.4	5877.5	5874.4	5889.5	5898.5	5913.4	5934.4
10°	5727.4	5727.4	5730.4	5739.4	5742.5	5769.4	5769.4	5790.4	5802.4	5817.5	5844.5
12.5°	5613.5	5613.5	5631.5	5625.4	5637.4	5658.4	5667.4	5688.4	5706.4	5736.4	5763.5
15°	5505.4	5505.4	5511.4	5526.4	5535.4	5562.4	5577.4	5601.5	5622.5	5652.5	5691.5
17.5°	5412.4	5409.4	5412.4	5430.4	5448.5	5472.4	5484.4	5514.4	5535.4	5574.4	5610.5
20°	5319.4	5325.5	5325.5	5340.4	5352.4	5382.4	5394.4	5427.5	5451.4	5487.4	5529.5
22.5°	5238.4	5235.4	5235.4	5256.4	5265.5	5292.4	5304.4	5334.4	5361.4	5391.4	5430.4
25°	5157.4	5151.3	5163.4	5166.4	5172.3	5202.3	5211.4	5232.4	5259.4	5286.4	5325.5
27.5°	5037.4	5031.4	5034.4	5046.4	5055.4	5079.3	5085.4	5106.4	5127.4	5151.3	5184.4
30°	4806.3	4800.4	4797.4	4818.4	4827.4	4845.3	4854.3	4890.4	4896.3	4923.4	4947.3
32.5°	4500.3	4497.3	4503.4	4521.3	4530.3	4554.4	4566.4	4587.4	4602.3	4617.4	4641.3
35°	4158.3	4152.3	4158.3	4176.4	4176.4	4197.4	4206.4	4215.3	4212.3	4215.3	4209.3
37.5°	3840.4	3837.3	3840.4	3849.2	3840.4	3849.2	3840.4	3822.3	3789.4	3753.3	3717.2
40°	3570.3	3573.2	3555.3	3567.3	3534.2	3528.3	3495.3	3450.2	3384.3	3312.3	3210.3
42.5°	3282.3	3273.3	3261.3	3267.2	3240.3	3219.2	3165.2	3108.3	3024.2	2904.3	2781.2
45°	2928.2	2925.3	2919.2	2916.3	2898.2	2877.2	2832.2	2766.2	2673.2	2550.2	2403.2
47.5°	2583.2	2574.2	2574.2	2577.2	2556.2	2553.2	2517.1	2460.2	2379.2	2259.2	2106.2
50°	2253.1	2250.1	2256.2	2268.2	2253.1	2247.2	2223.2	2184.2	2112.2	2010.2	1866.1
52.5°	1956.1	1953.1	1959.2	1974.1	1968.1	1974.1	1950.2	1920.2	1872.1	1773.1	1647.1
55°	1665.2	1665.2	1665.2	1683.1	1683.1	1683.1	1671.1	1653.2	1608.1	1536.1	1419.2
57.5°	1362.1	1365.1	1383.1	1386.1	1383.1	1389.2	1386.1	1368.0	1338.2	1287.2	1197.1
60°	1107.1	1107.1	1116.1	1125.1	1122.0	1125.1	1125.1	1116.1	1086.1	1044.1	972.1
62.5°	876.1	885.1	879.0	885.1	897.0	885.1	879.0	873.1	852.1	825.0	765.0
65°	663.0	669.1	669.1	672.0	666.0	669.1	657.1	648.1	636.1	606.1	567.1
67.5°	504.1	504.1	504.1	504.1	501.0	498.0	495.1	486.1	465.1	453.1	411.0
70°	387.0	369.0	369.0	369.0	369.0	372.1	363.1	351.1	345.0	324.0	294.0
72.5°	258.0	264.0	258.0	258.0	252.0	255.0	243.0	237.0	231.1	219.1	201.0
75°	186.0	171.0	177.0	180.1	171.0	177.0	165.0	153.0	153.0	144.0	135.0
77.5°	120.0	117.1	120.0	123.0	120.0	117.1	111.0	105.0	105.0	102.0	93.0
80°	87.1	84.0	84.0	84.0	81.0	84.0	78.0	78.0	72.0	69.0	63.0
82.5°	57.1	57.1	54.0	57.1	54.0	57.1	48.0	48.0	48.0	45.0	39.0
85°	39.0	33.0	33.0	36.1	30.0	36.1	33.0	30.0	27.0	27.0	24.0
87.5°	18.0	21.0	18.0	21.0	18.0	18.0	21.0	18.0	18.0	12.0	12.0
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°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6114.5	6117.4	6117.4	6129.5	6135.5	6138.4	6138.4	6162.5	6153.5	6159.5	6165.5
5°	6027.5	6045.4	6051.5	6051.5	6084.5	6096.4	6108.4	6135.5	6138.4	6156.4	6177.4
7.5°	5943.4	5964.4	5976.5	6003.4	6024.4	6045.4	6081.5	6099.5	6117.4	6141.5	6168.4
10°	5862.4	5886.5	5910.4	5931.4	5964.4	5991.5	6015.4	6057.4	6078.5	6111.5	6147.4
12.5°	5784.5	5817.5	5838.5	5874.4	5910.4	5934.4	5970.5	6009.5	6042.5	6075.4	6117.4
15°	5715.5	5754.5	5778.4	5817.5	5856.5	5889.5	5928.5	5976.5	6000.5	6039.5	6078.5
17.5°	5640.4	5682.5	5712.5	5748.4	5796.5	5832.4	5865.5	5913.4	5943.4	5985.4	6030.5
20°	5562.4	5604.4	5640.4	5676.4	5724.5	5760.4	5799.4	5847.5	5880.4	5922.4	5958.5
22.5°	5469.5	5508.5	5547.4	5589.4	5637.4	5667.4	5712.5	5754.5	5790.4	5829.4	5865.5
25°	5349.4	5397.5	5427.5	5466.4	5505.4	5538.4	5586.4	5628.4	5658.4	5694.5	5727.4
27.5°	5208.4	5244.5	5268.4	5301.4	5340.4	5370.4	5406.4	5448.5	5478.5	5511.4	5535.4
30°	4968.3	5001.4	5022.4	5046.4	5085.4	5112.4	5142.5	5181.4	5202.3	5226.4	5247.4
32.5°	4653.3	4680.3	4692.3	4710.4	4737.4	4764.3	4788.4	4821.4	4830.4	4845.3	4845.3
35°	4197.4	4203.3	4200.3	4206.4	4218.4	4233.3	4254.3	4275.3	4287.3	4287.3	4278.4
37.5°	3663.3	3627.3	3588.3	3558.3	3549.3	3543.2	3555.3	3564.2	3576.3	3582.3	3567.3
40°	3108.3	3027.3	2940.2	2862.2	2808.2	2784.3	2775.2	2781.2	2781.2	2802.2	2802.2
42.5°	2631.2	2505.2	2376.2	2259.2	2181.1	2121.2	2094.2	2094.2	2097.1	2112.2	2121.2
45°	2235.2	2076.1	1926.1	1797.2	1689.1	1611.1	1575.1	1566.1	1563.2	1569.1	1590.1
47.5°	1932.2	1767.2	1611.1	1452.1	1338.2	1260.1	1227.1	1215.0	1203.1	1215.0	1218.1
50°	1695.2	1524.1	1359.2	1200.1	1080.1	1011.0	969.0	951.0	948.0	948.0	954.1
52.5°	1479.1	1320.1	1155.1	993.1	867.0	801.1	762.1	753.1	741.1	753.1	753.1
55°	1275.1	1116.1	954.1	801.1	696.0	627.1	591.0	579.1	573.0	582.0	582.0
57.5°	1053.1	918.0	768.1	630.1	525.1	477.0	450.0	435.1	432.0	438.0	432.0
60°	864.1	750.1	621.0	495.1	414.1	363.1	342.1	336.0	330.0	336.0	336.0
62.5°	684.0	588.1	483.0	387.0	318.0	282.1	258.0	258.0	255.0	255.0	258.0
65°	507.1	432.0	357.0	276.0	222.0	195.0	177.0	177.0	174.0	177.0	174.0
67.5°	369.0	318.0	258.0	201.0	159.1	144.0	132.0	123.0	129.0	123.0	120.0
70°	270.1	228.0	186.0	153.0	123.0	108.1	99.0	96.0	90.0	90.0	90.0
72.5°	180.1	153.0	126.0	99.0	81.0	65.9	63.0	57.1	51.0	54.0	60.0
75°	120.0	102.0	90.0	72.0	54.0	54.0	36.1	36.1	30.0	36.1	27.0
77.5°	84.0	69.0	54.0	45.0	36.1	33.0	24.0	24.0	21.0	21.0	21.0
80°	60.0	51.0	39.0	33.0	24.0	24.0	21.0	18.0	14.9	14.9	18.0
82.5°	36.1	27.0	27.0	24.0	14.9	12.0	9.0	12.0	6.1	6.1	6.1
85°	21.0	18.0	14.9	9.0	6.1	6.1	3.0	0.0	3.0	3.0	0.0
87.5°	12.0	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°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6180.5	6177.4	6183.5	6183.5	6201.5	6198.4	6207.4	6207.4	6201.5	6204.5	6216.5
5°	6201.5	6210.5	6228.4	6243.5	6270.4	6282.5	6297.5	6312.5	6315.5	6324.5	6333.5
7.5°	6201.5	6231.5	6252.5	6279.4	6315.5	6336.5	6369.5	6396.5	6408.5	6423.4	6441.5
10°	6189.4	6219.4	6258.5	6288.5	6333.5	6366.5	6399.5	6441.5	6459.5	6483.5	6507.5
12.5°	6165.5	6198.4	6240.4	6279.4	6330.4	6360.5	6402.4	6441.5	6468.5	6501.5	6528.5
15°	6129.5	6168.4	6207.4	6246.5	6300.4	6336.5	6375.5	6420.5	6447.5	6483.5	6507.5
17.5°	6072.5	6114.5	6150.5	6186.5	6237.5	6279.4	6315.5	6357.5	6384.5	6414.5	6447.5
20°	6003.4	6042.5	6081.5	6111.5	6162.5	6198.4	6237.5	6276.5	6297.5	6303.5	6354.5
22.5°	5916.5	5943.4	5973.4	6021.5	6051.5	6084.5	6120.5	6156.4	6177.4	6210.5	6228.4
25°	5772.4	5799.4	5832.4	5853.4	5889.5	5916.5	5952.4	5991.5	6003.4	6027.5	6045.4
27.5°	5571.5	5586.4	5601.5	5619.4	5640.4	5655.4	5676.4	5694.5	5706.4	5718.4	5730.4
30°	5253.3	5253.3	5253.3	5241.4	5250.4	5259.4	5262.4	5259.4	5259.4	5256.4	5256.4
32.5°	4833.4	4809.4	4782.4	4758.4	4749.4	4737.4	4731.3	4722.3	4707.4	4698.4	4701.3
35°	4266.3	4212.3	4179.3	4149.3	4125.4	4107.3	4098.3	4089.3	4086.3	4074.4	4062.3
37.5°	3558.3	3519.3	3495.3	3477.3	3456.3	3438.3	3441.2	3444.3	3453.2	3447.3	3450.2
40°	2808.2	2799.2	2808.2	2787.2	2781.2	2787.2	2802.2	2823.3	2835.3	2847.2	2868.2
42.5°	2136.2	2151.1	2172.2	2172.2	2181.1	2193.2	2211.1	2244.2	2262.1	2283.1	2307.2
45°	1608.1	1626.1	1653.2	1662.1	1668.1	1683.1	1704.2	1731.1	1743.1	1761.1	1782.1
47.5°	1239.1	1251.1	1266.0	1281.1	1296.0	1302.1	1323.1	1323.1	1338.2	1350.1	1356.1
50°	966.1	978.1	990.0	999.1	1005.1	1014.1	1020.0	1029.1	1032.0	1038.1	1041.0
52.5°	756.0	771.1	771.1	777.0	786.0	795.0	792.1	795.0	798.0	798.0	807.0
55°	591.0	591.0	600.0	600.0	606.1	603.0	606.1	606.1	606.1	606.1	609.1
57.5°	441.0	444.1	453.1	447.0	444.1	450.0	444.1	450.0	447.0	453.1	444.1
60°	339.0	339.0	342.1	342.1	345.0	345.0	345.0	342.1	342.1	339.0	339.0
62.5°	255.0	258.0	261.1	258.0	258.0	258.0	255.0	255.0	252.0	249.0	249.0
65°	171.0	168.1	174.0	168.1	171.0	171.0	168.1	171.0	162.0	165.0	162.0
67.5°	123.0	120.0	117.1	120.0	117.1	114.0	114.0	117.1	120.0	111.0	111.0
70°	81.0	84.0	81.0	84.0	87.1	87.1	84.0	81.0	84.0	78.0	81.0
72.5°	51.0	51.0	51.0	51.0	51.0	54.0	54.0	54.0	48.0	48.0	45.0
75°	24.0	33.0	27.0	24.0	33.0	33.0	30.0	30.0	27.0	27.0	27.0
77.5°	24.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	14.9	18.0	14.9
80°	12.0	12.0	12.0	9.0	12.0	12.0	14.9	12.0	12.0	9.0	14.9
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: P248987

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6213.5	6210.5	6213.5	6216.5	6213.5	6210.5	6213.5	6216.5	6204.5	6201.5	6207.4
5°	6345.5	6345.5	6351.4	6354.5	6351.4	6345.5	6345.5	6333.5	6324.5	6315.5	6312.5
7.5°	6459.5	6465.5	6471.5	6474.4	6471.5	6465.5	6459.5	6441.5	6423.4	6408.5	6396.5
10°	6528.5	6537.5	6549.5	6555.4	6549.5	6537.5	6528.5	6507.5	6483.5	6459.5	6441.5
12.5°	6558.5	6567.6	6582.5	6579.5	6582.5	6567.6	6558.5	6528.5	6501.5	6468.5	6441.5
15°	6537.5	6549.5	6564.5	6570.5	6564.5	6549.5	6537.5	6507.5	6483.5	6447.5	6420.5
17.5°	6471.5	6489.5	6498.5	6507.5	6498.5	6489.5	6471.5	6447.5	6414.5	6384.5	6357.5
20°	6381.4	6393.6	6405.5	6408.5	6405.5	6393.6	6381.4	6354.5	6303.5	6297.5	6276.5
22.5°	6252.5	6261.5	6288.5	6279.4	6288.5	6261.5	6252.5	6228.4	6210.5	6177.4	6156.4
25°	6066.4	6075.4	6078.5	6081.5	6078.5	6075.4	6066.4	6045.4	6027.5	6003.4	5991.5
27.5°	5745.5	5745.5	5751.4	5754.5	5751.4	5745.5	5745.5	5730.4	5718.4	5706.4	5694.5
30°	5259.4	5259.4	5259.4	5274.5	5259.4	5259.4	5259.4	5256.4	5256.4	5259.4	5259.4
32.5°	4698.4	4692.3	4686.4	4692.3	4686.4	4692.3	4698.4	4701.3	4698.4	4707.4	4722.3
35°	4062.3	4059.3	4068.3	4056.3	4068.3	4059.3	4062.3	4062.3	4074.4	4086.3	4089.3
37.5°	3453.2	3447.3	3459.3	3447.3	3459.3	3447.3	3453.2	3450.2	3447.3	3453.2	3444.3
40°	2874.3	2880.2	2880.2	2904.3	2880.2	2880.2	2874.3	2868.2	2847.2	2835.3	2823.3
42.5°	2319.2	2337.2	2331.2	2349.2	2331.2	2337.2	2319.2	2307.2	2283.1	2262.1	2244.2
45°	1794.1	1806.2	1806.2	1812.1	1806.2	1806.2	1794.1	1782.1	1761.1	1743.1	1731.1
47.5°	1377.1	1377.1	1377.1	1380.1	1377.1	1377.1	1377.1	1356.1	1350.1	1338.2	1323.1
50°	1047.1	1050.1	1053.1	1056.1	1053.1	1050.1	1047.1	1041.0	1038.1	1032.0	1029.1
52.5°	804.1	807.0	801.1	807.0	801.1	807.0	804.1	807.0	798.0	798.0	795.0
55°	609.1	606.1	609.1	612.0	609.1	606.1	609.1	609.1	606.1	606.1	606.1
57.5°	447.0	441.0	441.0	441.0	441.0	441.0	447.0	444.1	453.1	447.0	450.0
60°	333.1	336.0	336.0	339.0	336.0	336.0	333.1	339.0	339.0	342.1	342.1
62.5°	246.0	255.0	249.0	255.0	249.0	255.0	246.0	249.0	249.0	252.0	255.0
65°	159.1	159.1	159.1	162.0	159.1	159.1	159.1	162.0	165.0	162.0	171.0
67.5°	108.1	111.0	117.1	114.0	117.1	111.0	108.1	111.0	111.0	120.0	117.1
70°	87.1	78.0	78.0	87.1	78.0	78.0	87.1	81.0	78.0	84.0	81.0
72.5°	51.0	45.0	51.0	51.0	51.0	45.0	51.0	45.0	48.0	48.0	54.0
75°	27.0	24.0	21.0	30.0	21.0	24.0	27.0	27.0	27.0	27.0	30.0
77.5°	18.0	14.9	21.0	21.0	21.0	14.9	18.0	14.9	18.0	14.9	18.0
80°	9.0	12.0	9.0	14.9	9.0	12.0	9.0	14.9	9.0	12.0	12.0
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: P248987

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6207.4	6198.4	6201.5	6183.5	6183.5	6177.4	6180.5	6165.5	6159.5	6153.5	6162.5
5°	6297.5	6282.5	6270.4	6243.5	6228.4	6210.5	6201.5	6177.4	6156.4	6138.4	6135.5
7.5°	6369.5	6336.5	6315.5	6279.4	6252.5	6231.5	6201.5	6168.4	6141.5	6117.4	6099.5
10°	6399.5	6366.5	6333.5	6288.5	6258.5	6219.4	6189.4	6147.4	6111.5	6078.5	6057.4
12.5°	6402.4	6360.5	6330.4	6279.4	6240.4	6198.4	6165.5	6117.4	6075.4	6042.5	6009.5
15°	6375.5	6336.5	6300.4	6246.5	6207.4	6168.4	6129.5	6078.5	6039.5	6000.5	5976.5
17.5°	6315.5	6279.4	6237.5	6186.5	6150.5	6114.5	6072.5	6030.5	5985.4	5943.4	5913.4
20°	6237.5	6198.4	6162.5	6111.5	6081.5	6042.5	6003.4	5958.5	5922.4	5880.4	5847.5
22.5°	6120.5	6084.5	6051.5	6021.5	5973.4	5943.4	5916.5	5865.5	5829.4	5790.4	5754.5
25°	5952.4	5916.5	5889.5	5853.4	5832.4	5799.4	5772.4	5727.4	5694.5	5658.4	5628.4
27.5°	5676.4	5655.4	5640.4	5619.4	5601.5	5586.4	5571.5	5535.4	5511.4	5478.5	5448.5
30°	5262.4	5259.4	5250.4	5241.4	5253.3	5253.3	5253.3	5247.4	5226.4	5202.3	5181.4
32.5°	4731.3	4737.4	4749.4	4758.4	4782.4	4809.4	4833.4	4845.3	4845.3	4830.4	4821.4
35°	4098.3	4107.3	4125.4	4149.3	4179.3	4212.3	4266.3	4278.4	4287.3	4287.3	4275.3
37.5°	3441.2	3438.3	3456.3	3477.3	3495.3	3519.3	3558.3	3567.3	3582.3	3576.3	3564.2
40°	2802.2	2787.2	2781.2	2787.2	2808.2	2799.2	2808.2	2802.2	2802.2	2781.2	2781.2
42.5°	2211.1	2193.2	2181.1	2172.2	2172.2	2151.1	2136.2	2121.2	2112.2	2097.1	2094.2
45°	1704.2	1683.1	1668.1	1662.1	1653.2	1626.1	1608.1	1590.1	1569.1	1563.2	1566.1
47.5°	1323.1	1302.1	1296.0	1281.1	1266.0	1251.1	1239.1	1218.1	1215.0	1203.1	1215.0
50°	1020.0	1014.1	1005.1	999.1	990.0	978.1	966.1	954.1	948.0	948.0	951.0
52.5°	792.1	795.0	786.0	777.0	771.1	771.1	756.0	753.1	753.1	741.1	753.1
55°	606.1	603.0	606.1	600.0	600.0	591.0	591.0	582.0	582.0	573.0	579.1
57.5°	444.1	450.0	444.1	447.0	453.1	444.1	441.0	432.0	438.0	432.0	435.1
60°	345.0	345.0	345.0	342.1	342.1	339.0	339.0	336.0	336.0	330.0	336.0
62.5°	255.0	258.0	258.0	258.0	261.1	258.0	255.0	258.0	255.0	255.0	258.0
65°	168.1	171.0	171.0	168.1	174.0	168.1	171.0	174.0	177.0	174.0	177.0
67.5°	114.0	114.0	117.1	120.0	117.1	120.0	123.0	120.0	123.0	129.0	123.0
70°	84.0	87.1	87.1	84.0	81.0	84.0	81.0	90.0	90.0	90.0	96.0
72.5°	54.0	54.0	51.0	51.0	51.0	51.0	51.0	60.0	54.0	51.0	57.1
75°	30.0	33.0	33.0	24.0	27.0	33.0	24.0	27.0	36.1	30.0	36.1
77.5°	18.0	18.0	18.0	18.0	18.0	18.0	24.0	21.0	21.0	21.0	24.0
80°	14.9	12.0	12.0	9.0	12.0	12.0	12.0	18.0	14.9	14.9	18.0
82.5°	6.1	6.1	3.0	0.0	6.1	6.1	6.1	6.1	6.1	6.1	12.0
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: P248987

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6138.4	6138.4	6135.5	6129.5	6117.4	6117.4	6114.5	6105.4	6099.5	6096.4	6096.4
5°	6108.4	6096.4	6084.5	6051.5	6051.5	6045.4	6027.5	6015.4	6009.5	5994.4	5988.5
7.5°	6081.5	6045.4	6024.4	6003.4	5976.5	5964.4	5943.4	5934.4	5913.4	5898.5	5889.5
10°	6015.4	5991.5	5964.4	5931.4	5910.4	5886.5	5862.4	5844.5	5817.5	5802.4	5790.4
12.5°	5970.5	5934.4	5910.4	5874.4	5838.5	5817.5	5784.5	5763.5	5736.4	5706.4	5688.4
15°	5928.5	5889.5	5856.5	5817.5	5778.4	5754.5	5715.5	5691.5	5652.5	5622.5	5601.5
17.5°	5865.5	5832.4	5796.5	5748.4	5712.5	5682.5	5640.4	5610.5	5574.4	5535.4	5514.4
20°	5799.4	5760.4	5724.5	5676.4	5640.4	5604.4	5562.4	5529.5	5487.4	5451.4	5427.5
22.5°	5712.5	5667.4	5637.4	5589.4	5547.4	5508.5	5469.5	5430.4	5391.4	5361.4	5334.4
25°	5586.4	5538.4	5505.4	5466.4	5427.5	5397.5	5349.4	5325.5	5286.4	5259.4	5232.4
27.5°	5406.4	5370.4	5340.4	5301.4	5268.4	5244.5	5208.4	5184.4	5151.3	5127.4	5106.4
30°	5142.5	5112.4	5085.4	5046.4	5022.4	5001.4	4968.3	4947.3	4923.4	4896.3	4890.4
32.5°	4788.4	4764.3	4737.4	4710.4	4692.3	4680.3	4653.3	4641.3	4617.4	4602.3	4587.4
35°	4254.3	4233.3	4218.4	4206.4	4200.3	4203.3	4197.4	4209.3	4215.3	4212.3	4215.3
37.5°	3555.3	3543.2	3549.3	3558.3	3588.3	3627.3	3663.3	3717.2	3753.3	3789.4	3822.3
40°	2775.2	2784.3	2808.2	2862.2	2940.2	3027.3	3108.3	3210.3	3312.3	3384.3	3450.2
42.5°	2094.2	2121.2	2181.1	2259.2	2376.2	2505.2	2631.2	2781.2	2904.3	3024.2	3108.3
45°	1575.1	1611.1	1689.1	1797.2	1926.1	2076.1	2235.2	2403.2	2550.2	2673.2	2766.2
47.5°	1227.1	1260.1	1338.2	1452.1	1611.1	1767.2	1932.2	2106.2	2259.2	2379.2	2460.2
50°	969.0	1011.0	1080.1	1200.1	1359.2	1524.1	1695.2	1866.1	2010.2	2112.2	2184.2
52.5°	762.1	801.1	867.0	993.1	1155.1	1320.1	1479.1	1647.1	1773.1	1872.1	1920.2
55°	591.0	627.1	696.0	801.1	954.1	1116.1	1275.1	1419.2	1536.1	1608.1	1653.2
57.5°	450.0	477.0	525.1	630.1	768.1	918.0	1053.1	1197.1	1287.2	1338.2	1368.0
60°	342.1	363.1	414.1	495.1	621.0	750.1	864.1	972.1	1044.1	1086.1	1116.1
62.5°	258.0	282.1	318.0	387.0	483.0	588.1	684.0	765.0	825.0	852.1	873.1
65°	177.0	195.0	222.0	276.0	357.0	432.0	507.1	567.1	606.1	636.1	648.1
67.5°	132.0	144.0	159.1	201.0	258.0	318.0	369.0	411.0	453.1	465.1	486.1
70°	99.0	108.1	123.0	153.0	186.0	228.0	270.1	294.0	324.0	345.0	351.1
72.5°	63.0	65.9	81.0	99.0	126.0	153.0	180.1	201.0	219.1	231.1	237.0
75°	36.1	54.0	54.0	72.0	90.0	102.0	120.0	135.0	144.0	153.0	153.0
77.5°	24.0	33.0	36.1	45.0	54.0	69.0	84.0	93.0	102.0	105.0	105.0
80°	21.0	24.0	24.0	33.0	39.0	51.0	60.0	63.0	69.0	72.0	78.0
82.5°	9.0	12.0	14.9	24.0	27.0	27.0	36.1	39.0	45.0	48.0	48.0
85°	3.0	6.1	6.1	9.0	14.9	18.0	21.0	24.0	27.0	27.0	30.0
87.5°	3.0	3.0	0.0	3.0	6.1	6.1	12.0	12.0	12.0	18.0	18.0
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: P248987

CATALOG NUMBER: LD8B100D010 ER8B100830 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5	6144.5
2.5°	6090.5	6093.5	6081.5	6078.5	6072.5	6075.4	6081.5
5°	5979.5	5982.4	5970.5	5958.5	5958.5	5955.4	5958.5
7.5°	5874.4	5877.5	5859.4	5853.4	5841.4	5844.5	5844.5
10°	5769.4	5769.4	5742.5	5739.4	5730.4	5727.4	5727.4
12.5°	5667.4	5658.4	5637.4	5625.4	5631.5	5613.5	5613.5
15°	5577.4	5562.4	5535.4	5526.4	5511.4	5505.4	5505.4
17.5°	5484.4	5472.4	5448.5	5430.4	5412.4	5409.4	5412.4
20°	5394.4	5382.4	5352.4	5340.4	5325.5	5325.5	5319.4
22.5°	5304.4	5292.4	5265.5	5256.4	5235.4	5235.4	5238.4
25°	5211.4	5202.3	5172.3	5166.4	5163.4	5151.3	5157.4
27.5°	5085.4	5079.3	5055.4	5046.4	5034.4	5031.4	5037.4
30°	4854.3	4845.3	4827.4	4818.4	4797.4	4800.4	4806.3
32.5°	4566.4	4554.4	4530.3	4521.3	4503.4	4497.3	4500.3
35°	4206.4	4197.4	4176.4	4176.4	4158.3	4152.3	4158.3
37.5°	3840.4	3849.2	3840.4	3849.2	3840.4	3837.3	3840.4
40°	3495.3	3528.3	3534.2	3567.3	3555.3	3573.2	3570.3
42.5°	3165.2	3219.2	3240.3	3267.2	3261.3	3273.3	3282.3
45°	2832.2	2877.2	2898.2	2916.3	2919.2	2925.3	2928.2
47.5°	2517.1	2553.2	2556.2	2577.2	2574.2	2574.2	2583.2
50°	2223.2	2247.2	2253.1	2268.2	2256.2	2250.1	2253.1
52.5°	1950.2	1974.1	1968.1	1974.1	1959.2	1953.1	1956.1
55°	1671.1	1683.1	1683.1	1683.1	1665.2	1665.2	1665.2
57.5°	1386.1	1389.2	1383.1	1386.1	1383.1	1365.1	1362.1
60°	1125.1	1125.1	1122.0	1125.1	1116.1	1107.1	1107.1
62.5°	879.0	885.1	897.0	885.1	879.0	885.1	876.1
65°	657.1	669.1	666.0	672.0	669.1	669.1	663.0
67.5°	495.1	498.0	501.0	504.1	504.1	504.1	504.1
70°	363.1	372.1	369.0	369.0	369.0	369.0	387.0
72.5°	243.0	255.0	252.0	258.0	258.0	264.0	258.0
75°	165.0	177.0	171.0	180.1	177.0	171.0	186.0
77.5°	111.0	117.1	120.0	123.0	120.0	117.1	120.0
80°	78.0	84.0	81.0	84.0	84.0	84.0	87.1
82.5°	48.0	57.1	54.0	57.1	54.0	57.1	57.1
85°	33.0	36.1	30.0	36.1	33.0	33.0	39.0
87.5°	21.0	18.0	18.0	21.0	18.0	21.0	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)