

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: P248745

Luminaire Tested: **LD8B120D010 ER8B1209727 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248745  
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 ER8B1209727 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8511.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

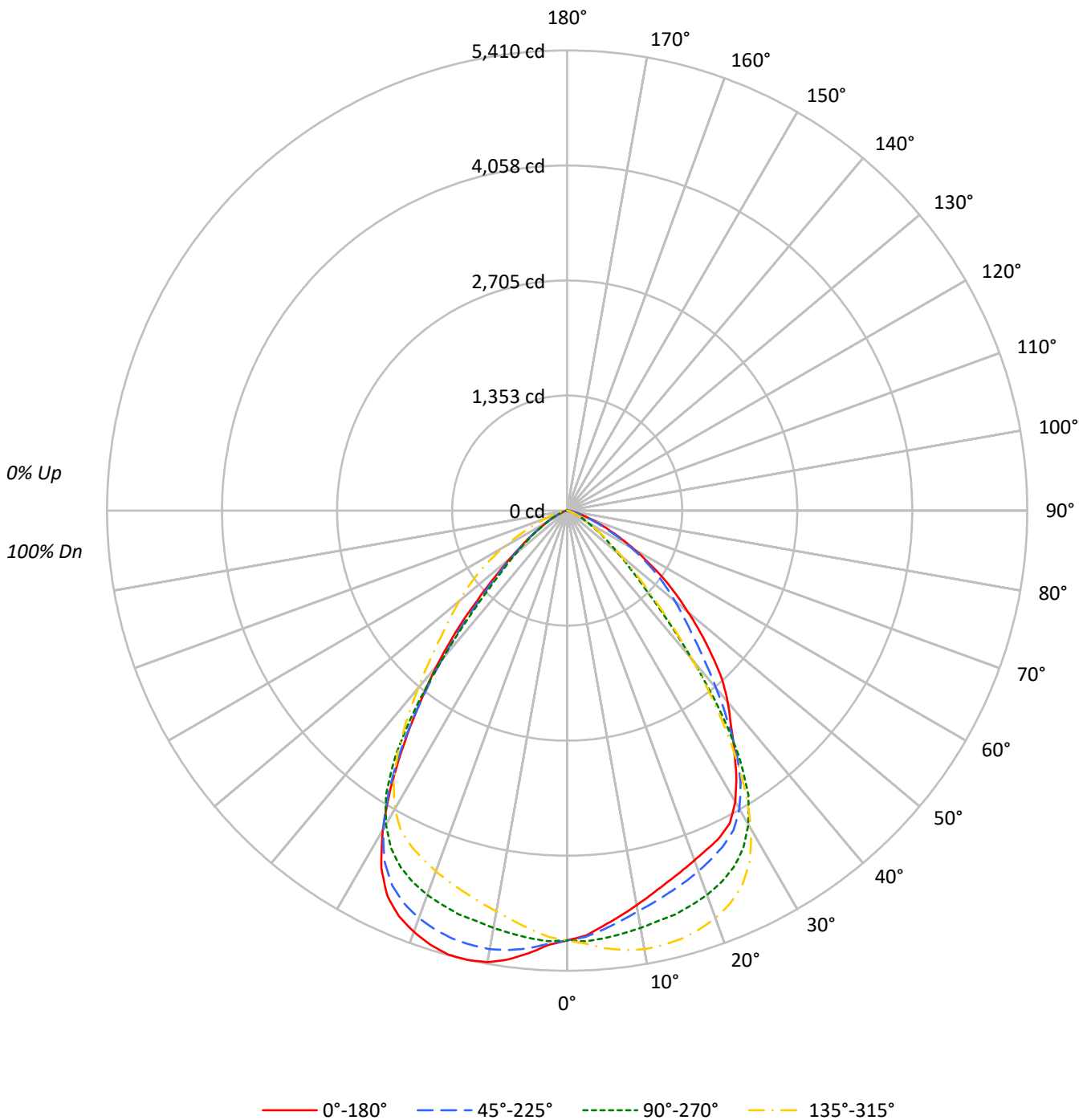
Input Watts (W): 118.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.9	5.7
10°-20°	1392.7	16.4
20°-30°	2108.8	24.8
30°-40°	2113.5	24.8
40°-50°	1327.2	15.6
50°-60°	707.3	8.3
60°-70°	290.8	3.4
70°-80°	76.8	0.9
80°-90°	13.0	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°	3982.4	46.8
0°-40°	6095.9	71.6
0°-60°	8130.3	95.5
0°-90°	8511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8511.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5053	5053	5053	5053	5053	
5°	4900	5045	5225	5045	4900	462
15°	4527	4915	5403	4915	4527	1280
25°	4241	4628	5001	4628	4241	1945
35°	3420	3516	3336	3516	3420	2142
45°	2408	1288	1490	1288	2408	1852
55°	1369	476	503	476	1369	1221
65°	545	146	133	146	545	566
75°	153	30	25	30	153	173
85°	32	0	2	0	32	35
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°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5000.9	4995.9	4993.5	4998.5	5000.9	5010.8	5008.3	5013.2	5013.2	5015.7	5020.6
5°	4899.8	4897.2	4899.8	4899.8	4909.6	4919.5	4917.0	4924.5	4929.3	4941.7	4946.6
7.5°	4806.0	4806.0	4803.5	4813.4	4818.3	4833.2	4830.6	4843.0	4850.4	4862.7	4880.0
10°	4709.8	4709.8	4712.2	4719.6	4722.2	4744.3	4744.3	4761.6	4771.4	4783.8	4806.0
12.5°	4616.0	4616.0	4630.9	4625.9	4635.7	4653.0	4660.4	4677.7	4692.5	4717.2	4739.4
15°	4527.2	4527.2	4532.2	4544.5	4551.9	4574.1	4586.4	4606.2	4623.5	4648.1	4680.2
17.5°	4450.7	4448.3	4450.7	4465.6	4480.4	4500.1	4509.9	4534.6	4551.9	4584.0	4613.6
20°	4374.3	4379.2	4379.2	4391.5	4401.4	4426.0	4435.9	4463.1	4482.8	4512.4	4547.0
22.5°	4307.6	4305.2	4305.2	4322.5	4329.9	4352.0	4361.9	4386.5	4408.8	4433.5	4465.6
25°	4241.0	4236.0	4246.0	4248.4	4253.3	4278.0	4285.4	4302.7	4324.9	4347.1	4379.2
27.5°	4142.3	4137.4	4139.9	4149.7	4157.1	4176.8	4181.8	4199.1	4216.3	4236.0	4263.3
30°	3952.3	3947.4	3945.0	3962.3	3969.7	3984.4	3991.8	4021.5	4026.3	4048.6	4068.3
32.5°	3700.7	3698.2	3703.2	3717.9	3725.4	3745.2	3755.0	3772.3	3784.6	3796.9	3816.6
35°	3419.5	3414.5	3419.5	3434.3	3434.3	3451.6	3459.0	3466.3	3463.9	3466.3	3461.4
37.5°	3158.0	3155.5	3158.0	3165.3	3158.0	3165.3	3158.0	3143.2	3116.1	3086.4	3056.8
40°	2935.9	2938.3	2923.6	2933.5	2906.3	2901.4	2874.3	2837.2	2783.0	2723.8	2639.9
42.5°	2699.1	2691.7	2681.8	2686.7	2664.6	2647.2	2602.8	2556.0	2486.9	2388.2	2287.0
45°	2407.9	2405.5	2400.5	2398.1	2383.3	2366.0	2328.9	2274.7	2198.2	2097.1	1976.2
47.5°	2124.2	2116.8	2116.8	2119.2	2102.0	2099.5	2069.9	2023.1	1956.5	1857.8	1731.9
50°	1852.8	1850.3	1855.3	1865.2	1852.8	1847.9	1828.2	1796.1	1736.9	1653.0	1534.5
52.5°	1608.5	1606.1	1611.1	1623.4	1618.4	1623.4	1603.7	1579.0	1539.5	1458.1	1354.5
55°	1369.3	1369.3	1369.3	1384.0	1384.0	1384.0	1374.2	1359.4	1322.4	1263.2	1167.0
57.5°	1120.1	1122.5	1137.4	1139.8	1137.4	1142.3	1139.8	1125.0	1100.4	1058.5	984.4
60°	910.4	910.4	917.8	925.2	922.7	925.2	925.2	917.8	893.1	858.6	799.4
62.5°	720.4	727.8	722.8	727.8	737.7	727.8	722.8	718.0	700.7	678.5	629.1
65°	545.2	550.2	550.2	552.6	547.7	550.2	540.3	532.9	523.1	498.4	466.3
67.5°	414.5	414.5	414.5	414.5	412.0	409.6	407.1	399.7	382.4	372.6	338.0
70°	318.3	303.4	303.4	303.4	303.4	306.0	298.6	288.7	283.7	266.5	241.8
72.5°	212.1	217.1	212.1	212.1	207.3	209.7	199.8	194.9	190.0	180.1	165.3
75°	152.9	140.6	145.5	148.1	140.6	145.5	135.7	125.8	125.8	118.4	111.0
77.5°	98.7	96.3	98.7	101.1	98.7	96.3	91.3	86.3	86.3	83.9	76.5
80°	71.6	69.1	69.1	69.1	66.6	69.1	64.2	64.2	59.2	56.8	51.8
82.5°	46.9	46.9	44.4	46.9	44.4	46.9	39.5	39.5	39.5	37.0	32.1
85°	32.1	27.1	27.1	29.7	24.7	29.7	27.1	24.7	22.2	22.2	19.7
87.5°	14.8	17.3	14.8	17.3	14.8	14.8	17.3	14.8	14.8	9.9	9.9
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5028.0	5030.5	5030.5	5040.4	5045.3	5047.7	5047.7	5067.5	5060.1	5065.1	5070.0
5°	4956.5	4971.3	4976.2	4976.2	5003.4	5013.2	5023.1	5045.3	5047.7	5062.6	5079.8
7.5°	4887.4	4904.7	4914.6	4936.7	4954.0	4971.3	5000.9	5015.7	5030.5	5050.3	5072.4
10°	4820.8	4840.6	4860.3	4877.5	4904.7	4926.9	4946.6	4981.1	4998.5	5025.6	5055.1
12.5°	4756.7	4783.8	4801.1	4830.6	4860.3	4880.0	4909.6	4941.7	4968.8	4995.9	5030.5
15°	4699.9	4732.0	4751.7	4783.8	4815.9	4843.0	4875.1	4914.6	4934.3	4966.4	4998.5
17.5°	4638.2	4672.8	4697.5	4727.0	4766.5	4796.1	4823.3	4862.7	4887.4	4921.9	4959.0
20°	4574.1	4608.6	4638.2	4667.8	4707.3	4736.9	4769.0	4808.5	4835.6	4870.1	4899.8
22.5°	4497.6	4529.7	4561.7	4596.2	4635.7	4660.4	4697.5	4732.0	4761.6	4793.7	4823.3
25°	4398.9	4438.4	4463.1	4495.1	4527.2	4554.3	4593.8	4628.3	4653.0	4682.7	4709.8
27.5°	4283.0	4312.6	4332.3	4359.4	4391.5	4416.2	4445.7	4480.4	4505.1	4532.2	4551.9
30°	4085.6	4112.8	4130.0	4149.7	4181.8	4204.1	4228.7	4260.7	4278.0	4297.8	4315.1
32.5°	3826.5	3848.7	3858.6	3873.4	3895.7	3917.8	3937.6	3964.7	3972.1	3984.4	3984.4
35°	3451.6	3456.5	3454.0	3459.0	3468.8	3481.1	3498.4	3515.7	3525.5	3525.5	3518.2
37.5°	3012.4	2982.8	2950.7	2926.1	2918.6	2913.7	2923.6	2930.9	2940.9	2945.8	2933.5
40°	2556.0	2489.4	2417.8	2353.6	2309.2	2289.5	2282.1	2287.0	2287.0	2304.3	2304.3
42.5°	2163.7	2060.0	1954.0	1857.8	1793.6	1744.3	1722.1	1722.1	1724.5	1736.9	1744.3
45°	1838.1	1707.3	1583.9	1477.9	1389.0	1324.8	1295.3	1287.9	1285.4	1290.3	1307.6
47.5°	1588.8	1453.2	1324.8	1194.1	1100.4	1036.2	1009.1	999.1	989.3	999.1	1001.7
50°	1394.0	1253.3	1117.7	986.9	888.2	831.4	796.9	782.0	779.6	779.6	784.6
52.5°	1216.3	1085.6	949.9	816.7	713.0	658.8	626.7	619.3	609.4	619.3	619.3
55°	1048.5	917.8	784.6	658.8	572.3	515.7	486.0	476.2	471.2	478.6	478.6
57.5°	866.0	754.9	631.6	518.1	431.8	392.3	370.0	357.8	355.2	360.2	355.2
60°	710.5	616.8	510.7	407.1	340.5	298.6	281.3	276.3	271.3	276.3	276.3
62.5°	562.5	483.6	397.2	318.3	261.5	231.9	212.1	212.1	209.7	209.7	212.1
65°	417.0	355.2	293.6	227.0	182.6	160.3	145.5	145.5	143.1	145.5	143.1
67.5°	303.4	261.5	212.1	165.3	130.8	118.4	108.6	101.1	106.1	101.1	98.7
70°	222.1	187.5	152.9	125.8	101.1	88.9	81.4	78.9	74.0	74.0	74.0
72.5°	148.1	125.8	103.6	81.4	66.6	54.2	51.8	46.9	41.9	44.4	49.4
75°	98.7	83.9	74.0	59.2	44.4	44.4	29.7	29.7	24.7	29.7	22.2
77.5°	69.1	56.8	44.4	37.0	29.7	27.1	19.7	19.7	17.3	17.3	17.3
80°	49.4	41.9	32.1	27.1	19.7	19.7	17.3	14.8	12.3	12.3	14.8
82.5°	29.7	22.2	22.2	19.7	12.3	9.9	7.4	9.9	5.0	5.0	5.0
85°	17.3	14.8	12.3	7.4	5.0	5.0	2.4	0.0	2.4	2.4	0.0
87.5°	9.9	5.0	5.0	2.4	0.0	2.4	2.4	0.0	0.0	0.0	5.0
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5082.4	5079.8	5084.8	5084.8	5099.6	5097.1	5104.5	5104.5	5099.6	5102.1	5111.9
5°	5099.6	5107.0	5121.8	5134.2	5156.3	5166.2	5178.5	5190.9	5193.4	5200.8	5208.2
7.5°	5099.6	5124.3	5141.6	5163.7	5193.4	5210.6	5237.7	5260.0	5269.8	5282.1	5296.9
10°	5089.7	5114.4	5146.4	5171.1	5208.2	5235.3	5262.4	5296.9	5311.8	5331.5	5351.3
12.5°	5070.0	5097.1	5131.6	5163.7	5205.6	5230.3	5264.8	5296.9	5319.2	5346.3	5368.5
15°	5040.4	5072.4	5104.5	5136.6	5181.0	5210.6	5242.7	5279.7	5301.9	5331.5	5351.3
17.5°	4993.5	5028.0	5057.7	5087.2	5129.2	5163.7	5193.4	5227.9	5250.1	5274.8	5301.9
20°	4936.7	4968.8	5000.9	5025.6	5067.5	5097.1	5129.2	5161.3	5178.5	5183.5	5225.4
22.5°	4865.3	4887.4	4912.1	4951.6	4976.2	5003.4	5033.0	5062.6	5079.8	5107.0	5121.8
25°	4746.7	4769.0	4796.1	4813.4	4843.0	4865.3	4894.8	4926.9	4936.7	4956.5	4971.3
27.5°	4581.5	4593.8	4606.2	4620.9	4638.2	4650.6	4667.8	4682.7	4692.5	4702.4	4712.2
30°	4319.9	4319.9	4319.9	4310.1	4317.5	4324.9	4327.3	4324.9	4324.9	4322.5	4322.5
32.5°	3974.6	3954.9	3932.6	3912.9	3905.5	3895.7	3890.7	3883.3	3871.0	3863.6	3866.0
35°	3508.2	3463.9	3436.7	3412.1	3392.4	3377.5	3370.1	3362.7	3360.3	3350.4	3340.5
37.5°	2926.1	2894.0	2874.3	2859.4	2842.2	2827.3	2829.8	2832.3	2839.6	2834.8	2837.2
40°	2309.2	2301.8	2309.2	2292.0	2287.0	2292.0	2304.3	2321.6	2331.5	2341.3	2358.6
42.5°	1756.6	1768.9	1786.3	1786.3	1793.6	1803.5	1818.2	1845.5	1860.2	1877.5	1897.3
45°	1322.4	1337.2	1359.4	1366.8	1371.7	1384.0	1401.4	1423.5	1433.4	1448.2	1465.5
47.5°	1019.0	1028.8	1041.1	1053.5	1065.8	1070.7	1088.0	1088.0	1100.4	1110.2	1115.1
50°	794.4	804.3	814.1	821.5	826.5	833.9	838.8	846.2	848.7	853.6	856.1
52.5°	621.7	634.1	634.1	639.0	646.4	653.8	651.3	653.8	656.2	656.2	663.6
55°	486.0	486.0	493.4	493.4	498.4	495.9	498.4	498.4	498.4	498.4	500.8
57.5°	362.6	365.2	372.6	367.6	365.2	370.0	365.2	370.0	367.6	372.6	365.2
60°	278.8	278.8	281.3	281.3	283.7	283.7	283.7	281.3	281.3	278.8	278.8
62.5°	209.7	212.1	214.7	212.1	212.1	212.1	209.7	209.7	207.3	204.7	204.7
65°	140.6	138.2	143.1	138.2	140.6	140.6	138.2	140.6	133.2	135.7	133.2
67.5°	101.1	98.7	96.3	98.7	96.3	93.7	93.7	96.3	98.7	91.3	91.3
70°	66.6	69.1	66.6	69.1	71.6	71.6	69.1	66.6	69.1	64.2	66.6
72.5°	41.9	41.9	41.9	41.9	41.9	44.4	44.4	44.4	39.5	39.5	37.0
75°	19.7	27.1	22.2	19.7	27.1	27.1	24.7	24.7	22.2	22.2	22.2
77.5°	19.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	12.3	14.8	12.3
80°	9.9	9.9	9.9	7.4	9.9	9.9	12.3	9.9	9.9	7.4	12.3
82.5°	5.0	5.0	5.0	0.0	2.4	5.0	5.0	2.4	5.0	5.0	2.4
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: P248745

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5109.5	5107.0	5109.5	5111.9	5109.5	5107.0	5109.5	5111.9	5102.1	5099.6	5104.5
5°	5218.0	5218.0	5222.9	5225.4	5222.9	5218.0	5218.0	5208.2	5200.8	5193.4	5190.9
7.5°	5311.8	5316.7	5321.6	5324.1	5321.6	5316.7	5311.8	5296.9	5282.1	5269.8	5260.0
10°	5368.5	5375.9	5385.8	5390.7	5385.8	5375.9	5368.5	5351.3	5331.5	5311.8	5296.9
12.5°	5393.2	5400.6	5412.9	5410.5	5412.9	5400.6	5393.2	5368.5	5346.3	5319.2	5296.9
15°	5375.9	5385.8	5398.1	5403.1	5398.1	5385.8	5375.9	5351.3	5331.5	5301.9	5279.7
17.5°	5321.6	5336.4	5343.9	5351.3	5343.9	5336.4	5321.6	5301.9	5274.8	5250.1	5227.9
20°	5247.6	5257.5	5267.4	5269.8	5267.4	5257.5	5247.6	5225.4	5183.5	5178.5	5161.3
22.5°	5141.6	5149.0	5171.1	5163.7	5171.1	5149.0	5141.6	5121.8	5107.0	5079.8	5062.6
25°	4988.5	4995.9	4998.5	5000.9	4998.5	4995.9	4988.5	4971.3	4956.5	4936.7	4926.9
27.5°	4724.6	4724.6	4729.5	4732.0	4729.5	4724.6	4724.6	4712.2	4702.4	4692.5	4682.7
30°	4324.9	4324.9	4324.9	4337.3	4324.9	4324.9	4324.9	4322.5	4322.5	4324.9	4324.9
32.5°	3863.6	3858.6	3853.7	3858.6	3853.7	3858.6	3863.6	3866.0	3863.6	3871.0	3883.3
35°	3340.5	3338.0	3345.5	3335.6	3345.5	3338.0	3340.5	3340.5	3350.4	3360.3	3362.7
37.5°	2839.6	2834.8	2844.6	2834.8	2844.6	2834.8	2839.6	2837.2	2834.8	2839.6	2832.3
40°	2363.6	2368.4	2368.4	2388.2	2368.4	2368.4	2363.6	2358.6	2341.3	2331.5	2321.6
42.5°	1907.1	1921.9	1917.0	1931.8	1917.0	1921.9	1907.1	1897.3	1877.5	1860.2	1845.5
45°	1475.3	1485.3	1485.3	1490.1	1485.3	1485.3	1475.3	1465.5	1448.2	1433.4	1423.5
47.5°	1132.4	1132.4	1132.4	1134.9	1132.4	1132.4	1132.4	1115.1	1110.2	1100.4	1088.0
50°	861.0	863.5	866.0	868.5	866.0	863.5	861.0	856.1	853.6	848.7	846.2
52.5°	661.2	663.6	658.8	663.6	658.8	663.6	661.2	663.6	656.2	656.2	653.8
55°	500.8	498.4	500.8	503.3	500.8	498.4	500.8	500.8	498.4	498.4	498.4
57.5°	367.6	362.6	362.6	362.6	362.6	362.6	367.6	365.2	372.6	367.6	370.0
60°	273.9	276.3	276.3	278.8	276.3	276.3	273.9	278.8	278.8	281.3	281.3
62.5°	202.3	209.7	204.7	209.7	204.7	209.7	202.3	204.7	204.7	207.3	209.7
65°	130.8	130.8	130.8	133.2	130.8	130.8	130.8	133.2	135.7	133.2	140.6
67.5°	88.9	91.3	96.3	93.7	96.3	91.3	88.9	91.3	91.3	98.7	96.3
70°	71.6	64.2	64.2	71.6	64.2	64.2	71.6	66.6	64.2	69.1	66.6
72.5°	41.9	37.0	41.9	41.9	41.9	37.0	41.9	37.0	39.5	39.5	44.4
75°	22.2	19.7	17.3	24.7	17.3	19.7	22.2	22.2	22.2	22.2	24.7
77.5°	14.8	12.3	17.3	17.3	17.3	12.3	14.8	12.3	14.8	12.3	14.8
80°	7.4	9.9	7.4	12.3	7.4	9.9	7.4	12.3	7.4	9.9	9.9
82.5°	2.4	5.0	5.0	5.0	5.0	5.0	2.4	2.4	5.0	5.0	2.4
85°	0.0	5.0	2.4	2.4	2.4	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	2.4	0.0	0.0	2.4	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: P248745

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5104.5	5097.1	5099.6	5084.8	5084.8	5079.8	5082.4	5070.0	5065.1	5060.1	5067.5
5°	5178.5	5166.2	5156.3	5134.2	5121.8	5107.0	5099.6	5079.8	5062.6	5047.7	5045.3
7.5°	5237.7	5210.6	5193.4	5163.7	5141.6	5124.3	5099.6	5072.4	5050.3	5030.5	5015.7
10°	5262.4	5235.3	5208.2	5171.1	5146.4	5114.4	5089.7	5055.1	5025.6	4998.5	4981.1
12.5°	5264.8	5230.3	5205.6	5163.7	5131.6	5097.1	5070.0	5030.5	4995.9	4968.8	4941.7
15°	5242.7	5210.6	5181.0	5136.6	5104.5	5072.4	5040.4	4998.5	4966.4	4934.3	4914.6
17.5°	5193.4	5163.7	5129.2	5087.2	5057.7	5028.0	4993.5	4959.0	4921.9	4887.4	4862.7
20°	5129.2	5097.1	5067.5	5025.6	5000.9	4968.8	4936.7	4899.8	4870.1	4835.6	4808.5
22.5°	5033.0	5003.4	4976.2	4951.6	4912.1	4887.4	4865.3	4823.3	4793.7	4761.6	4732.0
25°	4894.8	4865.3	4843.0	4813.4	4796.1	4769.0	4746.7	4709.8	4682.7	4653.0	4628.3
27.5°	4667.8	4650.6	4638.2	4620.9	4606.2	4593.8	4581.5	4551.9	4532.2	4505.1	4480.4
30°	4327.3	4324.9	4317.5	4310.1	4319.9	4319.9	4319.9	4315.1	4297.8	4278.0	4260.7
32.5°	3890.7	3895.7	3905.5	3912.9	3932.6	3954.9	3974.6	3984.4	3984.4	3972.1	3964.7
35°	3370.1	3377.5	3392.4	3412.1	3436.7	3463.9	3508.2	3518.2	3525.5	3525.5	3515.7
37.5°	2829.8	2827.3	2842.2	2859.4	2874.3	2894.0	2926.1	2933.5	2945.8	2940.9	2930.9
40°	2304.3	2292.0	2287.0	2292.0	2309.2	2301.8	2309.2	2304.3	2304.3	2287.0	2287.0
42.5°	1818.2	1803.5	1793.6	1786.3	1786.3	1768.9	1756.6	1744.3	1736.9	1724.5	1722.1
45°	1401.4	1384.0	1371.7	1366.8	1359.4	1337.2	1322.4	1307.6	1290.3	1285.4	1287.9
47.5°	1088.0	1070.7	1065.8	1053.5	1041.1	1028.8	1019.0	1001.7	999.1	989.3	999.1
50°	838.8	833.9	826.5	821.5	814.1	804.3	794.4	784.6	779.6	779.6	782.0
52.5°	651.3	653.8	646.4	639.0	634.1	634.1	621.7	619.3	619.3	609.4	619.3
55°	498.4	495.9	498.4	493.4	493.4	486.0	486.0	478.6	478.6	471.2	476.2
57.5°	365.2	370.0	365.2	367.6	372.6	365.2	362.6	355.2	360.2	355.2	357.8
60°	283.7	283.7	283.7	281.3	281.3	278.8	278.8	276.3	276.3	271.3	276.3
62.5°	209.7	212.1	212.1	212.1	214.7	212.1	209.7	212.1	209.7	209.7	212.1
65°	138.2	140.6	140.6	138.2	143.1	138.2	140.6	143.1	145.5	143.1	145.5
67.5°	93.7	93.7	96.3	98.7	96.3	98.7	101.1	98.7	101.1	106.1	101.1
70°	69.1	71.6	71.6	69.1	66.6	69.1	66.6	74.0	74.0	74.0	78.9
72.5°	44.4	44.4	41.9	41.9	41.9	41.9	41.9	49.4	44.4	41.9	46.9
75°	24.7	27.1	27.1	19.7	22.2	27.1	19.7	22.2	29.7	24.7	29.7
77.5°	14.8	14.8	14.8	14.8	14.8	14.8	19.7	17.3	17.3	17.3	19.7
80°	12.3	9.9	9.9	7.4	9.9	9.9	9.9	14.8	12.3	12.3	14.8
82.5°	5.0	5.0	2.4	0.0	5.0	5.0	5.0	5.0	5.0	5.0	9.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	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: P248745

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5047.7	5047.7	5045.3	5040.4	5030.5	5030.5	5028.0	5020.6	5015.7	5013.2	5013.2
5°	5023.1	5013.2	5003.4	4976.2	4976.2	4971.3	4956.5	4946.6	4941.7	4929.3	4924.5
7.5°	5000.9	4971.3	4954.0	4936.7	4914.6	4904.7	4887.4	4880.0	4862.7	4850.4	4843.0
10°	4946.6	4926.9	4904.7	4877.5	4860.3	4840.6	4820.8	4806.0	4783.8	4771.4	4761.6
12.5°	4909.6	4880.0	4860.3	4830.6	4801.1	4783.8	4756.7	4739.4	4717.2	4692.5	4677.7
15°	4875.1	4843.0	4815.9	4783.8	4751.7	4732.0	4699.9	4680.2	4648.1	4623.5	4606.2
17.5°	4823.3	4796.1	4766.5	4727.0	4697.5	4672.8	4638.2	4613.6	4584.0	4551.9	4534.6
20°	4769.0	4736.9	4707.3	4667.8	4638.2	4608.6	4574.1	4547.0	4512.4	4482.8	4463.1
22.5°	4697.5	4660.4	4635.7	4596.2	4561.7	4529.7	4497.6	4465.6	4433.5	4408.8	4386.5
25°	4593.8	4554.3	4527.2	4495.1	4463.1	4438.4	4398.9	4379.2	4347.1	4324.9	4302.7
27.5°	4445.7	4416.2	4391.5	4359.4	4332.3	4312.6	4283.0	4263.3	4236.0	4216.3	4199.1
30°	4228.7	4204.1	4181.8	4149.7	4130.0	4112.8	4085.6	4068.3	4048.6	4026.3	4021.5
32.5°	3937.6	3917.8	3895.7	3873.4	3858.6	3848.7	3826.5	3816.6	3796.9	3784.6	3772.3
35°	3498.4	3481.1	3468.8	3459.0	3454.0	3456.5	3451.6	3461.4	3466.3	3463.9	3466.3
37.5°	2923.6	2913.7	2918.6	2926.1	2950.7	2982.8	3012.4	3056.8	3086.4	3116.1	3143.2
40°	2282.1	2289.5	2309.2	2353.6	2417.8	2489.4	2556.0	2639.9	2723.8	2783.0	2837.2
42.5°	1722.1	1744.3	1793.6	1857.8	1954.0	2060.0	2163.7	2287.0	2388.2	2486.9	2556.0
45°	1295.3	1324.8	1389.0	1477.9	1583.9	1707.3	1838.1	1976.2	2097.1	2198.2	2274.7
47.5°	1009.1	1036.2	1100.4	1194.1	1324.8	1453.2	1588.8	1731.9	1857.8	1956.5	2023.1
50°	796.9	831.4	888.2	986.9	1117.7	1253.3	1394.0	1534.5	1653.0	1736.9	1796.1
52.5°	626.7	658.8	713.0	816.7	949.9	1085.6	1216.3	1354.5	1458.1	1539.5	1579.0
55°	486.0	515.7	572.3	658.8	784.6	917.8	1048.5	1167.0	1263.2	1322.4	1359.4
57.5°	370.0	392.3	431.8	518.1	631.6	754.9	866.0	984.4	1058.5	1100.4	1125.0
60°	281.3	298.6	340.5	407.1	510.7	616.8	710.5	799.4	858.6	893.1	917.8
62.5°	212.1	231.9	261.5	318.3	397.2	483.6	562.5	629.1	678.5	700.7	718.0
65°	145.5	160.3	182.6	227.0	293.6	355.2	417.0	466.3	498.4	523.1	532.9
67.5°	108.6	118.4	130.8	165.3	212.1	261.5	303.4	338.0	372.6	382.4	399.7
70°	81.4	88.9	101.1	125.8	152.9	187.5	222.1	241.8	266.5	283.7	288.7
72.5°	51.8	54.2	66.6	81.4	103.6	125.8	148.1	165.3	180.1	190.0	194.9
75°	29.7	44.4	44.4	59.2	74.0	83.9	98.7	111.0	118.4	125.8	125.8
77.5°	19.7	27.1	29.7	37.0	44.4	56.8	69.1	76.5	83.9	86.3	86.3
80°	17.3	19.7	19.7	27.1	32.1	41.9	49.4	51.8	56.8	59.2	64.2
82.5°	7.4	9.9	12.3	19.7	22.2	22.2	29.7	32.1	37.0	39.5	39.5
85°	2.4	5.0	5.0	7.4	12.3	14.8	17.3	19.7	22.2	22.2	24.7
87.5°	2.4	2.4	0.0	2.4	5.0	5.0	9.9	9.9	9.9	14.8	14.8
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: P248745

CATALOG NUMBER: LD8B120D010 ER8B1209727 8LBSWOWMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7	5052.7
2.5°	5008.3	5010.8	5000.9	4998.5	4993.5	4995.9	5000.9
5°	4917.0	4919.5	4909.6	4899.8	4899.8	4897.2	4899.8
7.5°	4830.6	4833.2	4818.3	4813.4	4803.5	4806.0	4806.0
10°	4744.3	4744.3	4722.2	4719.6	4712.2	4709.8	4709.8
12.5°	4660.4	4653.0	4635.7	4625.9	4630.9	4616.0	4616.0
15°	4586.4	4574.1	4551.9	4544.5	4532.2	4527.2	4527.2
17.5°	4509.9	4500.1	4480.4	4465.6	4450.7	4448.3	4450.7
20°	4435.9	4426.0	4401.4	4391.5	4379.2	4379.2	4374.3
22.5°	4361.9	4352.0	4329.9	4322.5	4305.2	4305.2	4307.6
25°	4285.4	4278.0	4253.3	4248.4	4246.0	4236.0	4241.0
27.5°	4181.8	4176.8	4157.1	4149.7	4139.9	4137.4	4142.3
30°	3991.8	3984.4	3969.7	3962.3	3945.0	3947.4	3952.3
32.5°	3755.0	3745.2	3725.4	3717.9	3703.2	3698.2	3700.7
35°	3459.0	3451.6	3434.3	3434.3	3419.5	3414.5	3419.5
37.5°	3158.0	3165.3	3158.0	3165.3	3158.0	3155.5	3158.0
40°	2874.3	2901.4	2906.3	2933.5	2923.6	2938.3	2935.9
42.5°	2602.8	2647.2	2664.6	2686.7	2681.8	2691.7	2699.1
45°	2328.9	2366.0	2383.3	2398.1	2400.5	2405.5	2407.9
47.5°	2069.9	2099.5	2102.0	2119.2	2116.8	2116.8	2124.2
50°	1828.2	1847.9	1852.8	1865.2	1855.3	1850.3	1852.8
52.5°	1603.7	1623.4	1618.4	1623.4	1611.1	1606.1	1608.5
55°	1374.2	1384.0	1384.0	1384.0	1369.3	1369.3	1369.3
57.5°	1139.8	1142.3	1137.4	1139.8	1137.4	1122.5	1120.1
60°	925.2	925.2	922.7	925.2	917.8	910.4	910.4
62.5°	722.8	727.8	737.7	727.8	722.8	727.8	720.4
65°	540.3	550.2	547.7	552.6	550.2	550.2	545.2
67.5°	407.1	409.6	412.0	414.5	414.5	414.5	414.5
70°	298.6	306.0	303.4	303.4	303.4	303.4	318.3
72.5°	199.8	209.7	207.3	212.1	212.1	217.1	212.1
75°	135.7	145.5	140.6	148.1	145.5	140.6	152.9
77.5°	91.3	96.3	98.7	101.1	98.7	96.3	98.7
80°	64.2	69.1	66.6	69.1	69.1	69.1	71.6
82.5°	39.5	46.9	44.4	46.9	44.4	46.9	46.9
85°	27.1	29.7	24.7	29.7	27.1	27.1	32.1
87.5°	17.3	14.8	14.8	17.3	14.8	17.3	14.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)