

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: P249003

Luminaire Tested: **LD8B80D010 ER8B80840 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249003  
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: LD8B80D010 ER8B80840 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8228.0 lumens  
Efficiency: N/A  
Efficacy: 110.6 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

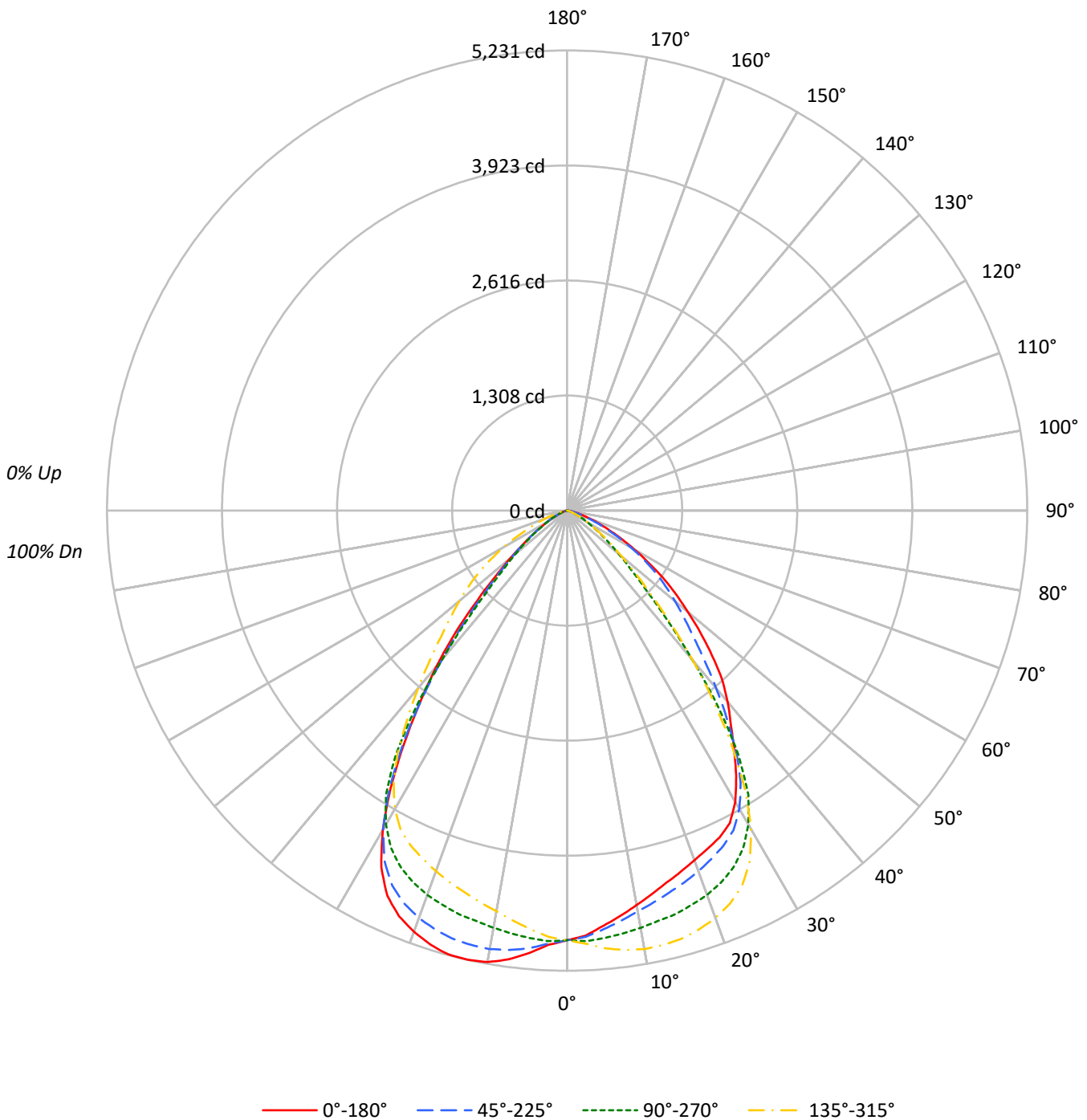
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	150626	150626	150626	150626
5°	146626	150979	156371	150979
10°	142570	150783	163179	150783
15°	139722	151678	166752	151678
20°	138769	152545	167181	152545
25°	139499	152237	164493	152237
30°	136050	146668	149302	146668
35°	124444	127945	121391	127945
40°	114253	89001	92938	89001
45°	101518	54293	62823	54293
50°	85929	36267	40278	36267
55°	71169	24746	26155	24746
60°	54278	16473	16621	16473
65°	38460	10266	9398	10266
70°	27742	6879	6239	6879
75°	17609	3419	2848	3419
80°	12288	2539	2113	2539
85°	10968	0	849	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	464.9	5.7
10°-20°	1346.4	16.4
20°-30°	2038.7	24.8
30°-40°	2043.2	24.8
40°-50°	1283.1	15.6
50°-60°	683.7	8.3
60°-70°	281.2	3.4
70°-80°	74.3	0.9
80°-90°	12.6	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°	3850.0	46.8
0°-40°	5893.2	71.6
0°-60°	7860.0	95.5
0°-90°	8228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8228.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4885	4885	4885	4885	4885	
5°	4737	4878	5052	4878	4737	447
15°	4377	4751	5223	4751	4377	1238
25°	4100	4474	4835	4474	4100	1880
35°	3306	3399	3225	3399	3306	2071
45°	2328	1245	1441	1245	2328	1790
55°	1324	460	486	460	1324	1180
65°	527	141	129	141	527	547
75°	148	29	24	29	148	168
85°	31	0	2	0	31	34
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°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4834.6	4829.8	4827.5	4832.3	4834.6	4844.2	4841.8	4846.5	4846.5	4849.0	4853.7
5°	4736.9	4734.4	4736.9	4736.9	4746.4	4755.9	4753.5	4760.7	4765.4	4777.4	4782.1
7.5°	4646.2	4646.2	4643.8	4653.3	4658.1	4672.5	4670.0	4682.0	4689.1	4701.0	4717.7
10°	4553.2	4553.2	4555.5	4562.7	4565.1	4586.6	4586.6	4603.2	4612.8	4624.7	4646.2
12.5°	4462.6	4462.6	4476.9	4472.1	4481.6	4498.3	4505.5	4522.1	4536.5	4560.3	4581.8
15°	4376.7	4376.7	4381.5	4393.3	4400.5	4422.0	4433.9	4453.0	4469.7	4493.6	4524.6
17.5°	4302.7	4300.4	4302.7	4317.1	4331.4	4350.4	4360.0	4383.8	4400.5	4431.5	4460.2
20°	4228.8	4233.6	4233.6	4245.5	4255.0	4278.9	4288.4	4314.7	4333.8	4362.3	4395.8
22.5°	4164.4	4162.1	4162.1	4178.7	4185.9	4207.3	4216.8	4240.7	4262.2	4286.0	4317.1
25°	4100.0	4095.2	4104.8	4107.2	4111.9	4135.7	4142.9	4159.6	4181.1	4202.6	4233.6
27.5°	4004.6	3999.9	4002.2	4011.7	4018.9	4038.0	4042.8	4059.5	4076.1	4095.2	4121.5
30°	3820.9	3816.2	3813.8	3830.5	3837.7	3851.9	3859.1	3887.8	3892.5	3914.0	3933.0
32.5°	3577.6	3575.3	3580.1	3594.3	3601.5	3620.6	3630.1	3646.8	3658.7	3670.7	3689.7
35°	3305.8	3301.0	3305.8	3320.1	3320.1	3336.8	3344.0	3351.0	3348.7	3351.0	3346.3
37.5°	3053.0	3050.5	3053.0	3060.1	3053.0	3060.1	3053.0	3038.7	3012.4	2983.8	2955.1
40°	2838.3	2840.6	2826.4	2835.9	2809.6	2804.9	2778.7	2742.9	2690.4	2633.2	2552.1
42.5°	2609.3	2602.2	2592.7	2597.4	2576.0	2559.2	2516.3	2471.0	2404.2	2308.8	2211.0
45°	2327.9	2325.5	2320.7	2318.4	2304.0	2287.3	2251.5	2199.1	2125.2	2027.4	1910.4
47.5°	2053.6	2046.4	2046.4	2048.8	2032.1	2029.7	2001.1	1955.8	1891.4	1796.0	1674.3
50°	1791.2	1788.8	1793.6	1803.1	1791.2	1786.5	1767.4	1736.4	1679.2	1598.1	1483.5
52.5°	1555.1	1552.7	1557.5	1569.4	1564.6	1569.4	1550.4	1526.5	1488.3	1409.6	1309.4
55°	1323.8	1323.8	1323.8	1338.0	1338.0	1338.0	1328.5	1314.2	1278.4	1221.2	1128.2
57.5°	1082.8	1085.2	1099.5	1101.9	1099.5	1104.3	1101.9	1087.6	1063.8	1023.3	951.7
60°	880.1	880.1	887.3	894.5	892.0	894.5	894.5	887.3	863.4	830.1	772.8
62.5°	696.4	703.6	698.8	703.6	713.1	703.6	698.8	694.1	677.4	655.9	608.2
65°	527.1	531.9	531.9	534.3	529.4	531.9	522.4	515.2	505.7	481.8	450.8
67.5°	400.7	400.7	400.7	400.7	398.3	395.9	393.6	386.4	369.7	360.2	326.7
70°	307.7	293.3	293.3	293.3	293.3	295.8	288.6	279.1	274.3	257.6	233.8
72.5°	205.1	209.9	205.1	205.1	200.4	202.7	193.2	188.4	183.7	174.2	159.8
75°	147.8	136.0	140.7	143.1	136.0	140.7	131.2	121.6	121.6	114.5	107.3
77.5°	95.4	93.1	95.4	97.8	95.4	93.1	88.3	83.4	83.4	81.1	73.9
80°	69.2	66.8	66.8	66.8	64.4	66.8	62.0	62.0	57.2	54.9	50.1
82.5°	45.4	45.4	42.9	45.4	42.9	45.4	38.2	38.2	38.2	35.7	31.0
85°	31.0	26.2	26.2	28.7	23.9	28.7	26.2	23.9	21.5	21.5	19.0
87.5°	14.3	16.7	14.3	16.7	14.3	14.3	16.7	14.3	14.3	9.5	9.5
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°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4860.8	4863.2	4863.2	4872.8	4877.5	4879.9	4879.9	4899.0	4891.9	4896.7	4901.4
5°	4791.7	4806.0	4810.8	4810.8	4837.0	4846.5	4856.0	4877.5	4879.9	4894.2	4910.9
7.5°	4724.9	4741.6	4751.2	4772.6	4789.3	4806.0	4834.6	4849.0	4863.2	4882.3	4903.7
10°	4660.5	4679.6	4698.7	4715.4	4741.6	4763.1	4782.1	4815.5	4832.3	4858.5	4887.1
12.5°	4598.5	4624.7	4641.4	4670.0	4698.7	4717.7	4746.4	4777.4	4803.6	4829.8	4863.2
15°	4543.6	4574.7	4593.7	4624.7	4655.8	4682.0	4713.0	4751.2	4770.2	4801.3	4832.3
17.5°	4484.0	4517.4	4541.3	4569.9	4608.1	4636.6	4662.9	4701.0	4724.9	4758.3	4794.1
20°	4422.0	4455.4	4484.0	4512.6	4550.8	4579.4	4610.4	4648.6	4674.8	4708.2	4736.9
22.5°	4348.1	4379.1	4410.0	4443.4	4481.6	4505.5	4541.3	4574.7	4603.2	4634.3	4662.9
25°	4252.7	4290.9	4314.7	4345.6	4376.7	4402.9	4441.1	4474.4	4498.3	4527.0	4553.2
27.5°	4140.6	4169.2	4188.3	4214.5	4245.5	4269.4	4297.9	4331.4	4355.3	4381.5	4400.5
30°	3949.7	3976.0	3992.7	4011.7	4042.8	4064.3	4088.1	4119.1	4135.7	4154.9	4171.6
32.5°	3699.3	3720.8	3730.3	3744.6	3766.1	3787.5	3806.7	3832.9	3840.0	3851.9	3851.9
35°	3336.8	3341.5	3339.2	3344.0	3353.5	3365.4	3382.1	3398.8	3408.3	3408.3	3401.2
37.5°	2912.2	2883.6	2852.6	2828.8	2821.6	2816.8	2826.4	2833.5	2843.1	2847.8	2835.9
40°	2471.0	2406.6	2337.4	2275.4	2232.5	2213.4	2206.2	2211.0	2211.0	2227.6	2227.6
42.5°	2091.8	1991.5	1889.0	1796.0	1733.9	1686.3	1664.8	1664.8	1667.2	1679.2	1686.3
45°	1776.9	1650.5	1531.2	1428.7	1342.8	1280.8	1252.2	1245.0	1242.7	1247.4	1264.1
47.5°	1536.0	1404.9	1280.8	1154.4	1063.8	1001.8	975.5	965.9	956.4	965.9	968.4
50°	1347.6	1211.7	1080.5	954.0	858.6	803.7	770.4	756.0	753.7	753.7	758.5
52.5°	1175.8	1049.5	918.3	789.5	689.3	636.8	605.8	598.7	589.1	598.7	598.7
55°	1013.6	887.3	758.5	636.8	553.3	498.5	469.9	460.3	455.5	462.7	462.7
57.5°	837.2	729.8	610.6	500.9	417.4	379.2	357.7	345.9	343.4	348.2	343.4
60°	686.9	596.3	493.7	393.6	329.2	288.6	271.9	267.1	262.3	267.1	267.1
62.5°	543.8	467.5	384.0	307.7	252.8	224.2	205.1	205.1	202.7	202.7	205.1
65°	403.1	343.4	283.8	219.4	176.5	155.0	140.7	140.7	138.3	140.7	138.3
67.5°	293.3	252.8	205.1	159.8	126.4	114.5	104.9	97.8	102.6	97.8	95.4
70°	214.7	181.2	147.8	121.6	97.8	85.9	78.7	76.3	71.6	71.6	71.6
72.5°	143.1	121.6	100.1	78.7	64.4	52.4	50.1	45.4	40.5	42.9	47.7
75°	95.4	81.1	71.6	57.2	42.9	42.9	28.7	28.7	23.9	28.7	21.5
77.5°	66.8	54.9	42.9	35.7	28.7	26.2	19.0	19.0	16.7	16.7	16.7
80°	47.7	40.5	31.0	26.2	19.0	19.0	16.7	14.3	11.9	11.9	14.3
82.5°	28.7	21.5	21.5	19.0	11.9	9.5	7.2	9.5	4.8	4.8	4.8
85°	16.7	14.3	11.9	7.2	4.8	4.8	2.4	0.0	2.4	2.4	0.0
87.5°	9.5	4.8	4.8	2.4	0.0	2.4	2.4	0.0	0.0	0.0	4.8
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°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4913.4	4910.9	4915.7	4915.7	4930.1	4927.6	4934.8	4934.8	4930.1	4932.4	4941.9
5°	4930.1	4937.2	4951.5	4963.4	4984.8	4994.5	5006.3	5018.3	5020.7	5027.8	5035.0
7.5°	4930.1	4953.9	4970.6	4992.0	5020.7	5037.4	5063.6	5085.1	5094.6	5106.5	5120.8
10°	4920.4	4944.3	4975.3	4999.2	5035.0	5061.2	5087.4	5120.8	5135.1	5154.2	5173.3
12.5°	4901.4	4927.6	4961.0	4992.0	5032.6	5056.4	5089.8	5120.8	5142.3	5168.5	5190.0
15°	4872.8	4903.7	4934.8	4965.8	5008.7	5037.4	5068.4	5104.1	5125.6	5154.2	5173.3
17.5°	4827.5	4860.8	4889.5	4918.1	4958.6	4992.0	5020.7	5054.1	5075.6	5099.4	5125.6
20°	4772.6	4803.6	4834.6	4858.5	4899.0	4927.6	4958.6	4989.7	5006.3	5011.2	5051.7
22.5°	4703.5	4724.9	4748.7	4786.9	4810.8	4837.0	4865.7	4894.2	4910.9	4937.2	4951.5
25°	4588.9	4610.4	4636.6	4653.3	4682.0	4703.5	4732.0	4763.1	4772.6	4791.7	4806.0
27.5°	4429.2	4441.1	4453.0	4467.3	4484.0	4495.9	4512.6	4527.0	4536.5	4546.0	4555.5
30°	4176.3	4176.3	4176.3	4166.8	4173.9	4181.1	4183.5	4181.1	4181.1	4178.7	4178.7
32.5°	3842.4	3823.4	3801.9	3782.8	3775.6	3766.1	3761.3	3754.1	3742.3	3735.1	3737.5
35°	3391.6	3348.7	3322.5	3298.6	3279.6	3265.2	3258.1	3250.9	3248.5	3239.0	3229.4
37.5°	2828.8	2797.7	2778.7	2764.4	2747.7	2733.3	2735.7	2738.1	2745.2	2740.5	2742.9
40°	2232.5	2225.3	2232.5	2215.8	2211.0	2215.8	2227.6	2244.4	2254.0	2263.5	2280.2
42.5°	1698.2	1710.1	1726.9	1726.9	1733.9	1743.6	1757.8	1784.1	1798.3	1815.0	1834.2
45°	1278.4	1292.7	1314.2	1321.3	1326.1	1338.0	1354.8	1376.2	1385.7	1400.0	1416.7
47.5°	985.1	994.6	1006.5	1018.4	1030.3	1035.1	1051.8	1051.8	1063.8	1073.3	1078.0
50°	768.0	777.5	787.1	794.2	799.0	806.2	810.9	818.1	820.4	825.2	827.6
52.5°	601.0	613.0	613.0	617.7	624.9	632.0	629.7	632.0	634.4	634.4	641.6
55°	469.9	469.9	477.0	477.0	481.8	479.4	481.8	481.8	481.8	481.8	484.2
57.5°	350.6	353.0	360.2	355.4	353.0	357.7	353.0	357.7	355.4	360.2	353.0
60°	269.5	269.5	271.9	271.9	274.3	274.3	274.3	271.9	271.9	269.5	269.5
62.5°	202.7	205.1	207.5	205.1	205.1	205.1	202.7	202.7	200.4	197.9	197.9
65°	136.0	133.6	138.3	133.6	136.0	136.0	133.6	136.0	128.8	131.2	128.8
67.5°	97.8	95.4	93.1	95.4	93.1	90.6	90.6	93.1	95.4	88.3	88.3
70°	64.4	66.8	64.4	66.8	69.2	69.2	66.8	64.4	66.8	62.0	64.4
72.5°	40.5	40.5	40.5	40.5	40.5	42.9	42.9	42.9	38.2	38.2	35.7
75°	19.0	26.2	21.5	19.0	26.2	26.2	23.9	23.9	21.5	21.5	21.5
77.5°	19.0	14.3	14.3	14.3	14.3	14.3	14.3	14.3	11.9	14.3	11.9
80°	9.5	9.5	9.5	7.2	9.5	9.5	11.9	9.5	9.5	7.2	11.9
82.5°	4.8	4.8	4.8	0.0	2.4	4.8	4.8	2.4	4.8	4.8	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: P249003

CATALOG NUMBER: LD8B80D010 ER8B80840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4939.6	4937.2	4939.6	4941.9	4939.6	4937.2	4939.6	4941.9	4932.4	4930.1	4934.8
5°	5044.5	5044.5	5049.2	5051.7	5049.2	5044.5	5044.5	5035.0	5027.8	5020.7	5018.3
7.5°	5135.1	5140.0	5144.7	5147.0	5144.7	5140.0	5135.1	5120.8	5106.5	5094.6	5085.1
10°	5190.0	5197.2	5206.7	5211.4	5206.7	5197.2	5190.0	5173.3	5154.2	5135.1	5120.8
12.5°	5213.9	5221.0	5232.9	5230.6	5232.9	5221.0	5213.9	5190.0	5168.5	5142.3	5120.8
15°	5197.2	5206.7	5218.6	5223.4	5218.6	5206.7	5197.2	5173.3	5154.2	5125.6	5104.1
17.5°	5144.7	5159.0	5166.2	5173.3	5166.2	5159.0	5144.7	5125.6	5099.4	5075.6	5054.1
20°	5073.1	5082.7	5092.2	5094.6	5092.2	5082.7	5073.1	5051.7	5011.2	5006.3	4989.7
22.5°	4970.6	4977.8	4999.2	4992.0	4999.2	4977.8	4970.6	4951.5	4937.2	4910.9	4894.2
25°	4822.7	4829.8	4832.3	4834.6	4832.3	4829.8	4822.7	4806.0	4791.7	4772.6	4763.1
27.5°	4567.5	4567.5	4572.2	4574.7	4572.2	4567.5	4567.5	4555.5	4546.0	4536.5	4527.0
30°	4181.1	4181.1	4181.1	4193.1	4181.1	4181.1	4181.1	4178.7	4178.7	4181.1	4181.1
32.5°	3735.1	3730.3	3725.6	3730.3	3725.6	3730.3	3735.1	3737.5	3735.1	3742.3	3754.1
35°	3229.4	3227.0	3234.2	3224.7	3234.2	3227.0	3229.4	3229.4	3239.0	3248.5	3250.9
37.5°	2745.2	2740.5	2750.0	2740.5	2750.0	2740.5	2745.2	2742.9	2740.5	2745.2	2738.1
40°	2285.0	2289.7	2289.7	2308.8	2289.7	2289.7	2285.0	2280.2	2263.5	2254.0	2244.4
42.5°	1843.7	1858.0	1853.2	1867.5	1853.2	1858.0	1843.7	1834.2	1815.0	1798.3	1784.1
45°	1426.3	1435.9	1435.9	1440.6	1435.9	1435.9	1426.3	1416.7	1400.0	1385.7	1376.2
47.5°	1094.7	1094.7	1094.7	1097.2	1094.7	1094.7	1094.7	1078.0	1073.3	1063.8	1051.8
50°	832.4	834.8	837.2	839.6	837.2	834.8	832.4	827.6	825.2	820.4	818.1
52.5°	639.2	641.6	636.8	641.6	636.8	641.6	639.2	641.6	634.4	634.4	632.0
55°	484.2	481.8	484.2	486.5	484.2	481.8	484.2	484.2	481.8	481.8	481.8
57.5°	355.4	350.6	350.6	350.6	350.6	350.6	355.4	353.0	360.2	355.4	357.7
60°	264.8	267.1	267.1	269.5	267.1	267.1	264.8	269.5	269.5	271.9	271.9
62.5°	195.6	202.7	197.9	202.7	197.9	202.7	195.6	197.9	197.9	200.4	202.7
65°	126.4	126.4	126.4	128.8	126.4	126.4	126.4	128.8	131.2	128.8	136.0
67.5°	85.9	88.3	93.1	90.6	93.1	88.3	85.9	88.3	88.3	95.4	93.1
70°	69.2	62.0	62.0	69.2	62.0	62.0	69.2	64.4	62.0	66.8	64.4
72.5°	40.5	35.7	40.5	40.5	40.5	35.7	40.5	35.7	38.2	38.2	42.9
75°	21.5	19.0	16.7	23.9	16.7	19.0	21.5	21.5	21.5	21.5	23.9
77.5°	14.3	11.9	16.7	16.7	16.7	11.9	14.3	11.9	14.3	11.9	14.3
80°	7.2	9.5	7.2	11.9	7.2	9.5	7.2	11.9	7.2	9.5	9.5
82.5°	2.4	4.8	4.8	4.8	4.8	4.8	2.4	2.4	4.8	4.8	2.4
85°	0.0	4.8	2.4	2.4	2.4	4.8	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: P249003

CATALOG NUMBER: LD8B80D010 ER8B80840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4934.8	4927.6	4930.1	4915.7	4915.7	4910.9	4913.4	4901.4	4896.7	4891.9	4899.0
5°	5006.3	4994.5	4984.8	4963.4	4951.5	4937.2	4930.1	4910.9	4894.2	4879.9	4877.5
7.5°	5063.6	5037.4	5020.7	4992.0	4970.6	4953.9	4930.1	4903.7	4882.3	4863.2	4849.0
10°	5087.4	5061.2	5035.0	4999.2	4975.3	4944.3	4920.4	4887.1	4858.5	4832.3	4815.5
12.5°	5089.8	5056.4	5032.6	4992.0	4961.0	4927.6	4901.4	4863.2	4829.8	4803.6	4777.4
15°	5068.4	5037.4	5008.7	4965.8	4934.8	4903.7	4872.8	4832.3	4801.3	4770.2	4751.2
17.5°	5020.7	4992.0	4958.6	4918.1	4889.5	4860.8	4827.5	4794.1	4758.3	4724.9	4701.0
20°	4958.6	4927.6	4899.0	4858.5	4834.6	4803.6	4772.6	4736.9	4708.2	4674.8	4648.6
22.5°	4865.7	4837.0	4810.8	4786.9	4748.7	4724.9	4703.5	4662.9	4634.3	4603.2	4574.7
25°	4732.0	4703.5	4682.0	4653.3	4636.6	4610.4	4588.9	4553.2	4527.0	4498.3	4474.4
27.5°	4512.6	4495.9	4484.0	4467.3	4453.0	4441.1	4429.2	4400.5	4381.5	4355.3	4331.4
30°	4183.5	4181.1	4173.9	4166.8	4176.3	4176.3	4176.3	4171.6	4154.9	4135.7	4119.1
32.5°	3761.3	3766.1	3775.6	3782.8	3801.9	3823.4	3842.4	3851.9	3851.9	3840.0	3832.9
35°	3258.1	3265.2	3279.6	3298.6	3322.5	3348.7	3391.6	3401.2	3408.3	3408.3	3398.8
37.5°	2735.7	2733.3	2747.7	2764.4	2778.7	2797.7	2828.8	2835.9	2847.8	2843.1	2833.5
40°	2227.6	2215.8	2211.0	2215.8	2232.5	2225.3	2232.5	2227.6	2227.6	2211.0	2211.0
42.5°	1757.8	1743.6	1733.9	1726.9	1726.9	1710.1	1698.2	1686.3	1679.2	1667.2	1664.8
45°	1354.8	1338.0	1326.1	1321.3	1314.2	1292.7	1278.4	1264.1	1247.4	1242.7	1245.0
47.5°	1051.8	1035.1	1030.3	1018.4	1006.5	994.6	985.1	968.4	965.9	956.4	965.9
50°	810.9	806.2	799.0	794.2	787.1	777.5	768.0	758.5	753.7	753.7	756.0
52.5°	629.7	632.0	624.9	617.7	613.0	613.0	601.0	598.7	598.7	589.1	598.7
55°	481.8	479.4	481.8	477.0	477.0	469.9	469.9	462.7	462.7	455.5	460.3
57.5°	353.0	357.7	353.0	355.4	360.2	353.0	350.6	343.4	348.2	343.4	345.9
60°	274.3	274.3	274.3	271.9	271.9	269.5	269.5	267.1	267.1	262.3	267.1
62.5°	202.7	205.1	205.1	205.1	207.5	205.1	202.7	205.1	202.7	202.7	205.1
65°	133.6	136.0	136.0	133.6	138.3	133.6	136.0	138.3	140.7	138.3	140.7
67.5°	90.6	90.6	93.1	95.4	93.1	95.4	97.8	95.4	97.8	102.6	97.8
70°	66.8	69.2	69.2	66.8	64.4	66.8	64.4	71.6	71.6	71.6	76.3
72.5°	42.9	42.9	40.5	40.5	40.5	40.5	40.5	47.7	42.9	40.5	45.4
75°	23.9	26.2	26.2	19.0	21.5	26.2	19.0	21.5	28.7	23.9	28.7
77.5°	14.3	14.3	14.3	14.3	14.3	14.3	19.0	16.7	16.7	16.7	19.0
80°	11.9	9.5	9.5	7.2	9.5	9.5	9.5	14.3	11.9	11.9	14.3
82.5°	4.8	4.8	2.4	0.0	4.8	4.8	4.8	4.8	4.8	4.8	9.5
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	4.8	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: P249003

CATALOG NUMBER: LD8B80D010 ER8B80840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4879.9	4879.9	4877.5	4872.8	4863.2	4863.2	4860.8	4853.7	4849.0	4846.5	4846.5
5°	4856.0	4846.5	4837.0	4810.8	4810.8	4806.0	4791.7	4782.1	4777.4	4765.4	4760.7
7.5°	4834.6	4806.0	4789.3	4772.6	4751.2	4741.6	4724.9	4717.7	4701.0	4689.1	4682.0
10°	4782.1	4763.1	4741.6	4715.4	4698.7	4679.6	4660.5	4646.2	4624.7	4612.8	4603.2
12.5°	4746.4	4717.7	4698.7	4670.0	4641.4	4624.7	4598.5	4581.8	4560.3	4536.5	4522.1
15°	4713.0	4682.0	4655.8	4624.7	4593.7	4574.7	4543.6	4524.6	4493.6	4469.7	4453.0
17.5°	4662.9	4636.6	4608.1	4569.9	4541.3	4517.4	4484.0	4460.2	4431.5	4400.5	4383.8
20°	4610.4	4579.4	4550.8	4512.6	4484.0	4455.4	4422.0	4395.8	4362.3	4333.8	4314.7
22.5°	4541.3	4505.5	4481.6	4443.4	4410.0	4379.1	4348.1	4317.1	4286.0	4262.2	4240.7
25°	4441.1	4402.9	4376.7	4345.6	4314.7	4290.9	4252.7	4233.6	4202.6	4181.1	4159.6
27.5°	4297.9	4269.4	4245.5	4214.5	4188.3	4169.2	4140.6	4121.5	4095.2	4076.1	4059.5
30°	4088.1	4064.3	4042.8	4011.7	3992.7	3976.0	3949.7	3933.0	3914.0	3892.5	3887.8
32.5°	3806.7	3787.5	3766.1	3744.6	3730.3	3720.8	3699.3	3689.7	3670.7	3658.7	3646.8
35°	3382.1	3365.4	3353.5	3344.0	3339.2	3341.5	3336.8	3346.3	3351.0	3348.7	3351.0
37.5°	2826.4	2816.8	2821.6	2828.8	2852.6	2883.6	2912.2	2955.1	2983.8	3012.4	3038.7
40°	2206.2	2213.4	2232.5	2275.4	2337.4	2406.6	2471.0	2552.1	2633.2	2690.4	2742.9
42.5°	1664.8	1686.3	1733.9	1796.0	1889.0	1991.5	2091.8	2211.0	2308.8	2404.2	2471.0
45°	1252.2	1280.8	1342.8	1428.7	1531.2	1650.5	1776.9	1910.4	2027.4	2125.2	2199.1
47.5°	975.5	1001.8	1063.8	1154.4	1280.8	1404.9	1536.0	1674.3	1796.0	1891.4	1955.8
50°	770.4	803.7	858.6	954.0	1080.5	1211.7	1347.6	1483.5	1598.1	1679.2	1736.4
52.5°	605.8	636.8	689.3	789.5	918.3	1049.5	1175.8	1309.4	1409.6	1488.3	1526.5
55°	469.9	498.5	553.3	636.8	758.5	887.3	1013.6	1128.2	1221.2	1278.4	1314.2
57.5°	357.7	379.2	417.4	500.9	610.6	729.8	837.2	951.7	1023.3	1063.8	1087.6
60°	271.9	288.6	329.2	393.6	493.7	596.3	686.9	772.8	830.1	863.4	887.3
62.5°	205.1	224.2	252.8	307.7	384.0	467.5	543.8	608.2	655.9	677.4	694.1
65°	140.7	155.0	176.5	219.4	283.8	343.4	403.1	450.8	481.8	505.7	515.2
67.5°	104.9	114.5	126.4	159.8	205.1	252.8	293.3	326.7	360.2	369.7	386.4
70°	78.7	85.9	97.8	121.6	147.8	181.2	214.7	233.8	257.6	274.3	279.1
72.5°	50.1	52.4	64.4	78.7	100.1	121.6	143.1	159.8	174.2	183.7	188.4
75°	28.7	42.9	42.9	57.2	71.6	81.1	95.4	107.3	114.5	121.6	121.6
77.5°	19.0	26.2	28.7	35.7	42.9	54.9	66.8	73.9	81.1	83.4	83.4
80°	16.7	19.0	19.0	26.2	31.0	40.5	47.7	50.1	54.9	57.2	62.0
82.5°	7.2	9.5	11.9	19.0	21.5	21.5	28.7	31.0	35.7	38.2	38.2
85°	2.4	4.8	4.8	7.2	11.9	14.3	16.7	19.0	21.5	21.5	23.9
87.5°	2.4	2.4	0.0	2.4	4.8	4.8	9.5	9.5	9.5	14.3	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P249003

CATALOG NUMBER: LD8B80D010 ER8B80840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7	4884.7
2.5°	4841.8	4844.2	4834.6	4832.3	4827.5	4829.8	4834.6
5°	4753.5	4755.9	4746.4	4736.9	4736.9	4734.4	4736.9
7.5°	4670.0	4672.5	4658.1	4653.3	4643.8	4646.2	4646.2
10°	4586.6	4586.6	4565.1	4562.7	4555.5	4553.2	4553.2
12.5°	4505.5	4498.3	4481.6	4472.1	4476.9	4462.6	4462.6
15°	4433.9	4422.0	4400.5	4393.3	4381.5	4376.7	4376.7
17.5°	4360.0	4350.4	4331.4	4317.1	4302.7	4300.4	4302.7
20°	4288.4	4278.9	4255.0	4245.5	4233.6	4233.6	4228.8
22.5°	4216.8	4207.3	4185.9	4178.7	4162.1	4162.1	4164.4
25°	4142.9	4135.7	4111.9	4107.2	4104.8	4095.2	4100.0
27.5°	4042.8	4038.0	4018.9	4011.7	4002.2	3999.9	4004.6
30°	3859.1	3851.9	3837.7	3830.5	3813.8	3816.2	3820.9
32.5°	3630.1	3620.6	3601.5	3594.3	3580.1	3575.3	3577.6
35°	3344.0	3336.8	3320.1	3320.1	3305.8	3301.0	3305.8
37.5°	3053.0	3060.1	3053.0	3060.1	3053.0	3050.5	3053.0
40°	2778.7	2804.9	2809.6	2835.9	2826.4	2840.6	2838.3
42.5°	2516.3	2559.2	2576.0	2597.4	2592.7	2602.2	2609.3
45°	2251.5	2287.3	2304.0	2318.4	2320.7	2325.5	2327.9
47.5°	2001.1	2029.7	2032.1	2048.8	2046.4	2046.4	2053.6
50°	1767.4	1786.5	1791.2	1803.1	1793.6	1788.8	1791.2
52.5°	1550.4	1569.4	1564.6	1569.4	1557.5	1552.7	1555.1
55°	1328.5	1338.0	1338.0	1338.0	1323.8	1323.8	1323.8
57.5°	1101.9	1104.3	1099.5	1101.9	1099.5	1085.2	1082.8
60°	894.5	894.5	892.0	894.5	887.3	880.1	880.1
62.5°	698.8	703.6	713.1	703.6	698.8	703.6	696.4
65°	522.4	531.9	529.4	534.3	531.9	531.9	527.1
67.5°	393.6	395.9	398.3	400.7	400.7	400.7	400.7
70°	288.6	295.8	293.3	293.3	293.3	293.3	307.7
72.5°	193.2	202.7	200.4	205.1	205.1	209.9	205.1
75°	131.2	140.7	136.0	143.1	140.7	136.0	147.8
77.5°	88.3	93.1	95.4	97.8	95.4	93.1	95.4
80°	62.0	66.8	64.4	66.8	66.8	66.8	69.2
82.5°	38.2	45.4	42.9	45.4	42.9	45.4	45.4
85°	26.2	28.7	23.9	28.7	26.2	26.2	31.0
87.5°	16.7	14.3	14.3	16.7	14.3	16.7	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)