

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: P248744

Luminaire Tested: **LD8B100D010 ER8B1009727 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248744
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 ER8B1009727 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: 7508.0 lumens
Efficiency: N/A
Efficacy: 70.6 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

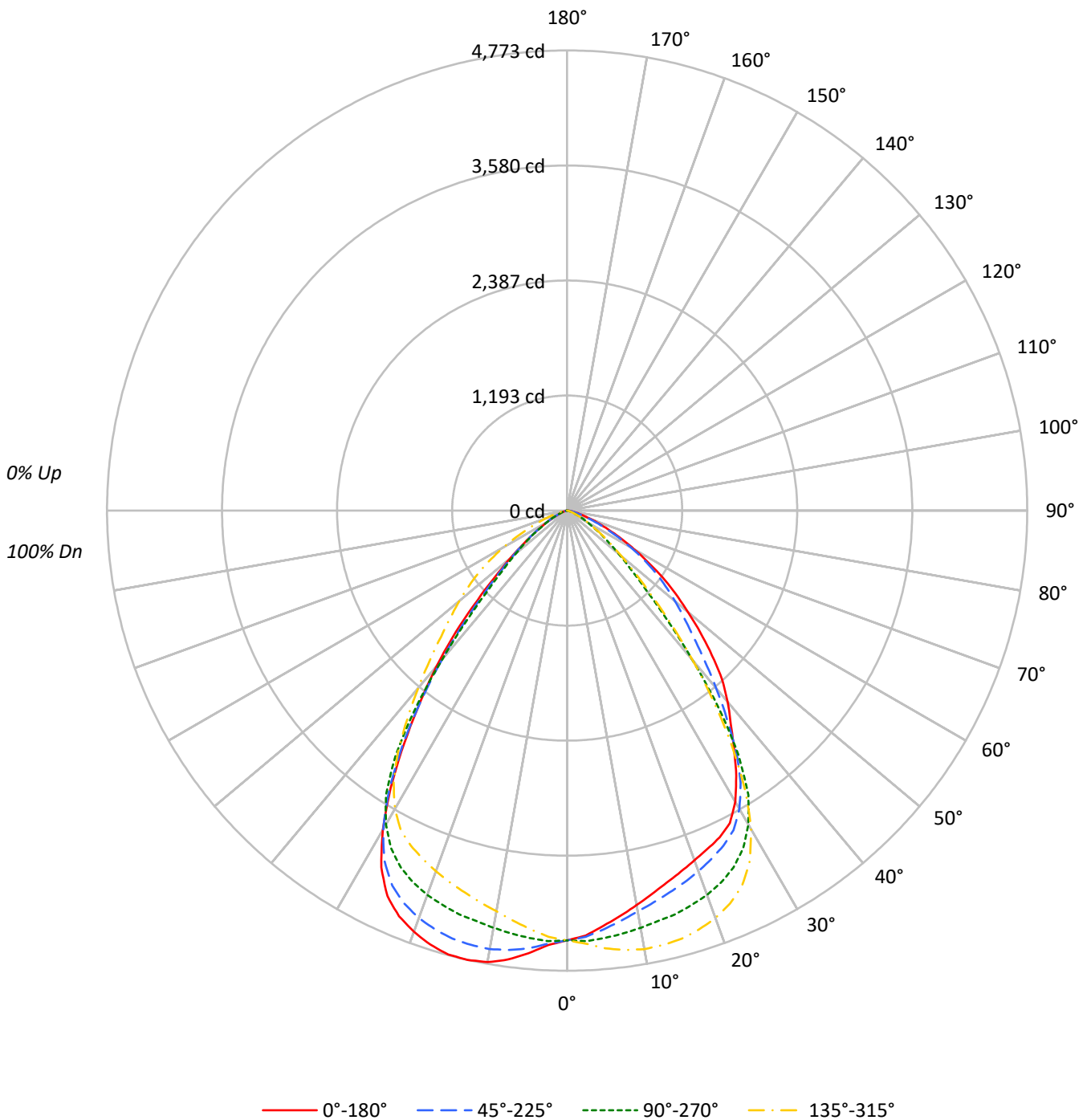
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	424.2	5.7
10°-20°	1228.5	16.4
20°-30°	1860.3	24.8
30°-40°	1864.4	24.8
40°-50°	1170.8	15.6
50°-60°	623.9	8.3
60°-70°	256.6	3.4
70°-80°	67.8	0.9
80°-90°	11.5	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°	3513.1	46.8
0°-40°	5377.5	71.6
0°-60°	7172.2	95.5
0°-90°	7508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7508.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4457	4457	4457	4457	4457	
5°	4322	4451	4610	4451	4322	408
15°	3994	4335	4766	4335	3994	1130
25°	3741	4083	4412	4083	3741	1716
35°	3016	3101	2942	3101	3016	1890
45°	2124	1136	1314	1136	2124	1634
55°	1208	420	444	420	1208	1077
65°	481	128	118	128	481	499
75°	135	26	22	26	135	153
85°	28	0	2	0	28	31
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°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4411.6	4407.2	4405.0	4409.4	4411.6	4420.3	4418.1	4422.4	4422.4	4424.7	4429.0
5°	4322.4	4320.1	4322.4	4322.4	4331.0	4339.7	4337.6	4344.1	4348.4	4359.3	4363.6
7.5°	4239.7	4239.7	4237.4	4246.1	4250.5	4263.6	4261.3	4272.3	4278.8	4289.7	4304.9
10°	4154.7	4154.7	4156.9	4163.4	4165.7	4185.2	4185.2	4200.4	4209.1	4220.0	4239.7
12.5°	4072.1	4072.1	4085.1	4080.7	4089.4	4104.7	4111.2	4126.4	4139.5	4161.3	4180.9
15°	3993.7	3993.7	3998.1	4008.9	4015.4	4035.1	4045.9	4063.4	4078.6	4100.4	4128.7
17.5°	3926.2	3924.1	3926.2	3939.3	3952.4	3969.8	3978.4	4000.2	4015.4	4043.7	4069.9
20°	3858.8	3863.2	3863.2	3874.0	3882.7	3904.4	3913.1	3937.1	3954.5	3980.6	4011.1
22.5°	3800.0	3797.8	3797.8	3813.1	3819.6	3839.1	3847.8	3869.6	3889.2	3911.0	3939.3
25°	3741.2	3736.8	3745.6	3747.8	3752.1	3773.8	3780.4	3795.6	3815.2	3834.8	3863.2
27.5°	3654.2	3649.9	3652.0	3660.7	3667.2	3684.6	3689.0	3704.2	3719.5	3736.8	3760.8
30°	3486.5	3482.2	3480.1	3495.3	3501.9	3514.9	3521.4	3547.6	3551.9	3571.5	3588.9
32.5°	3264.6	3262.4	3266.8	3279.8	3286.3	3303.8	3312.5	3327.7	3338.6	3349.5	3366.9
35°	3016.5	3012.1	3016.5	3029.6	3029.6	3044.8	3051.4	3057.8	3055.7	3057.8	3053.5
37.5°	2785.8	2783.6	2785.8	2792.3	2785.8	2792.3	2785.8	2772.8	2748.8	2722.7	2696.5
40°	2589.9	2592.1	2579.1	2587.8	2563.8	2559.5	2535.5	2502.8	2455.0	2402.8	2328.8
42.5°	2381.0	2374.5	2365.8	2370.1	2350.6	2335.2	2296.1	2254.8	2193.8	2106.8	2017.5
45°	2124.2	2122.0	2117.6	2115.5	2102.4	2087.2	2054.5	2006.6	1939.2	1850.0	1743.3
47.5°	1873.9	1867.3	1867.3	1869.5	1854.3	1852.1	1826.0	1784.7	1725.9	1638.8	1527.8
50°	1634.4	1632.3	1636.7	1645.4	1634.4	1630.1	1612.8	1584.4	1532.2	1458.2	1353.7
52.5°	1419.0	1416.8	1421.2	1432.1	1427.7	1432.1	1414.7	1392.9	1358.1	1286.2	1194.9
55°	1207.9	1207.9	1207.9	1220.9	1220.9	1220.9	1212.2	1199.2	1166.5	1114.3	1029.5
57.5°	988.1	990.2	1003.3	1005.5	1003.3	1007.7	1005.5	992.4	970.7	933.7	868.4
60°	803.1	803.1	809.6	816.2	813.9	816.2	816.2	809.6	787.9	757.4	705.2
62.5°	635.5	642.0	637.6	642.0	650.7	642.0	637.6	633.3	618.1	598.5	555.0
65°	481.0	485.4	485.4	487.5	483.1	485.4	476.7	470.1	461.4	439.7	411.4
67.5°	365.7	365.7	365.7	365.7	363.4	361.3	359.1	352.6	337.4	328.7	298.1
70°	280.8	267.7	267.7	267.7	267.7	269.9	263.4	254.7	250.3	235.1	213.3
72.5°	187.1	191.5	187.1	187.1	182.8	185.0	176.3	171.9	167.6	158.9	145.8
75°	134.9	124.1	128.4	130.6	124.1	128.4	119.7	111.0	111.0	104.5	97.9
77.5°	87.1	84.9	87.1	89.2	87.1	84.9	80.5	76.1	76.1	74.0	67.5
80°	63.2	60.9	60.9	60.9	58.8	60.9	56.6	56.6	52.2	50.1	45.7
82.5°	41.4	41.4	39.1	41.4	39.1	41.4	34.8	34.8	34.8	32.6	28.3
85°	28.3	23.9	23.9	26.2	21.8	26.2	23.9	21.8	19.6	19.6	17.4
87.5°	13.1	15.2	13.1	15.2	13.1	13.1	15.2	13.1	13.1	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4435.5	4437.6	4437.6	4446.4	4450.7	4452.9	4452.9	4470.3	4463.8	4468.2	4472.5
5°	4372.4	4385.4	4389.8	4389.8	4413.7	4422.4	4431.1	4450.7	4452.9	4466.0	4481.2
7.5°	4311.4	4326.7	4335.4	4355.0	4370.2	4385.4	4411.6	4424.7	4437.6	4455.1	4474.6
10°	4252.7	4270.1	4287.5	4302.7	4326.7	4346.3	4363.6	4394.1	4409.4	4433.3	4459.4
12.5°	4196.1	4220.0	4235.3	4261.3	4287.5	4304.9	4331.0	4359.3	4383.3	4407.2	4437.6
15°	4146.1	4174.4	4191.7	4220.0	4248.4	4272.3	4300.6	4335.4	4352.8	4381.1	4409.4
17.5°	4091.6	4122.1	4143.9	4170.0	4204.8	4230.9	4254.9	4289.7	4311.4	4341.9	4374.6
20°	4035.1	4065.5	4091.6	4117.7	4152.6	4178.7	4207.0	4241.8	4265.7	4296.2	4322.4
22.5°	3967.6	3995.9	4024.1	4054.6	4089.4	4111.2	4143.9	4174.4	4200.4	4228.7	4254.9
25°	3880.5	3915.4	3937.1	3965.4	3993.7	4017.6	4052.4	4082.9	4104.7	4130.8	4154.7
27.5°	3778.2	3804.4	3821.8	3845.7	3874.0	3895.8	3921.8	3952.4	3974.1	3998.1	4015.4
30°	3604.1	3628.1	3643.3	3660.7	3689.0	3708.6	3730.4	3758.6	3773.8	3791.3	3806.5
32.5°	3375.6	3395.2	3403.9	3416.9	3436.6	3456.1	3473.6	3497.5	3504.0	3514.9	3514.9
35°	3044.8	3049.1	3047.0	3051.4	3060.0	3070.9	3086.1	3101.3	3110.0	3110.0	3103.6
37.5°	2657.4	2631.3	2603.0	2581.2	2574.7	2570.3	2579.1	2585.5	2594.3	2598.6	2587.8
40°	2254.8	2196.0	2132.9	2076.3	2037.1	2019.7	2013.2	2017.5	2017.5	2032.7	2032.7
42.5°	1908.7	1817.3	1723.7	1638.8	1582.2	1538.8	1519.1	1519.1	1521.3	1532.2	1538.8
45°	1621.4	1506.1	1397.2	1303.7	1225.3	1168.7	1142.6	1136.1	1133.9	1138.2	1153.5
47.5°	1401.6	1281.9	1168.7	1053.4	970.7	914.1	890.2	881.4	872.7	881.4	883.6
50°	1229.7	1105.6	985.9	870.6	783.5	733.4	703.0	689.9	687.7	687.7	692.1
52.5°	1072.9	957.6	838.0	720.4	629.0	581.1	552.8	546.3	537.6	546.3	546.3
55°	924.9	809.6	692.1	581.1	504.9	454.9	428.7	420.1	415.7	422.2	422.2
57.5°	764.0	666.0	557.2	457.0	380.9	346.1	326.4	315.6	313.4	317.7	313.4
60°	626.8	544.1	450.5	359.1	300.4	263.4	248.1	243.8	239.4	243.8	243.8
62.5°	496.2	426.6	350.4	280.8	230.7	204.6	187.1	187.1	185.0	185.0	187.1
65°	367.8	313.4	259.0	200.2	161.1	141.5	128.4	128.4	126.2	128.4	126.2
67.5°	267.7	230.7	187.1	145.8	115.4	104.5	95.8	89.2	93.6	89.2	87.1
70°	195.9	165.4	134.9	111.0	89.2	78.4	71.8	69.6	65.3	65.3	65.3
72.5°	130.6	111.0	91.4	71.8	58.8	47.8	45.7	41.4	37.0	39.1	43.5
75°	87.1	74.0	65.3	52.2	39.1	39.1	26.2	26.2	21.8	26.2	19.6
77.5°	60.9	50.1	39.1	32.6	26.2	23.9	17.4	17.4	15.2	15.2	15.2
80°	43.5	37.0	28.3	23.9	17.4	17.4	15.2	13.1	10.8	10.8	13.1
82.5°	26.2	19.6	19.6	17.4	10.8	8.7	6.5	8.7	4.4	4.4	4.4
85°	15.2	13.1	10.8	6.5	4.4	4.4	2.1	0.0	2.1	2.1	0.0
87.5°	8.7	4.4	4.4	2.1	0.0	2.1	2.1	0.0	0.0	0.0	4.4
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°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4483.4	4481.2	4485.6	4485.6	4498.6	4496.4	4502.9	4502.9	4498.6	4500.8	4509.5
5°	4498.6	4505.2	4518.2	4529.1	4548.6	4557.4	4568.3	4579.2	4581.3	4587.9	4594.4
7.5°	4498.6	4520.4	4535.6	4555.2	4581.3	4596.6	4620.5	4640.1	4648.8	4659.6	4672.7
10°	4489.9	4511.6	4539.9	4561.7	4594.4	4618.3	4642.2	4672.7	4685.8	4703.2	4720.6
12.5°	4472.5	4496.4	4526.9	4555.2	4592.2	4613.9	4644.4	4672.7	4692.3	4716.2	4735.9
15°	4446.4	4474.6	4502.9	4531.3	4570.4	4596.6	4624.9	4657.5	4677.1	4703.2	4720.6
17.5°	4405.0	4435.5	4461.7	4487.7	4524.7	4555.2	4581.3	4611.8	4631.4	4653.2	4677.1
20°	4355.0	4383.3	4411.6	4433.3	4470.3	4496.4	4524.7	4553.0	4568.3	4572.6	4609.6
22.5°	4291.9	4311.4	4333.2	4368.0	4389.8	4413.7	4439.9	4466.0	4481.2	4505.2	4518.2
25°	4187.4	4207.0	4230.9	4246.1	4272.3	4291.9	4318.0	4346.3	4355.0	4372.4	4385.4
27.5°	4041.6	4052.4	4063.4	4076.4	4091.6	4102.5	4117.7	4130.8	4139.5	4148.2	4156.9
30°	3810.8	3810.8	3810.8	3802.1	3808.7	3815.2	3817.4	3815.2	3815.2	3813.1	3813.1
32.5°	3506.2	3488.8	3469.2	3451.8	3445.2	3436.6	3432.2	3425.6	3414.8	3408.3	3410.4
35°	3094.8	3055.7	3031.7	3010.0	2992.6	2979.5	2973.0	2966.4	2964.3	2955.6	2946.8
37.5°	2581.2	2552.9	2535.5	2522.5	2507.2	2494.2	2496.3	2498.5	2505.0	2500.7	2502.8
40°	2037.1	2030.6	2037.1	2021.9	2017.5	2021.9	2032.7	2048.0	2056.7	2065.4	2080.6
42.5°	1549.6	1560.4	1575.8	1575.8	1582.2	1591.0	1604.0	1628.0	1641.0	1656.2	1673.7
45°	1166.5	1179.6	1199.2	1205.7	1210.1	1220.9	1236.2	1255.8	1264.5	1277.5	1292.8
47.5°	898.9	907.6	918.4	929.3	940.2	944.6	959.8	959.8	970.7	979.4	983.7
50°	700.8	709.5	718.2	724.7	729.1	735.7	740.0	746.5	748.6	753.0	755.2
52.5°	548.4	559.4	559.4	563.7	570.2	576.7	574.6	576.7	578.9	578.9	585.4
55°	428.7	428.7	435.3	435.3	439.7	437.4	439.7	439.7	439.7	439.7	441.8
57.5°	319.9	322.1	328.7	324.3	322.1	326.4	322.1	326.4	324.3	328.7	322.1
60°	245.9	245.9	248.1	248.1	250.3	250.3	250.3	248.1	248.1	245.9	245.9
62.5°	185.0	187.1	189.4	187.1	187.1	187.1	185.0	185.0	182.8	180.6	180.6
65°	124.1	121.9	126.2	121.9	124.1	124.1	121.9	124.1	117.5	119.7	117.5
67.5°	89.2	87.1	84.9	87.1	84.9	82.7	82.7	84.9	87.1	80.5	80.5
70°	58.8	60.9	58.8	60.9	63.2	63.2	60.9	58.8	60.9	56.6	58.8
72.5°	37.0	37.0	37.0	37.0	37.0	39.1	39.1	39.1	34.8	34.8	32.6
75°	17.4	23.9	19.6	17.4	23.9	23.9	21.8	21.8	19.6	19.6	19.6
77.5°	17.4	13.1	13.1	13.1	13.1	13.1	13.1	13.1	10.8	13.1	10.8
80°	8.7	8.7	8.7	6.5	8.7	8.7	10.8	8.7	8.7	6.5	10.8
82.5°	4.4	4.4	4.4	0.0	2.1	4.4	4.4	2.1	4.4	4.4	2.1
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: P248744

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4507.3	4505.2	4507.3	4509.5	4507.3	4505.2	4507.3	4509.5	4500.8	4498.6	4502.9
5°	4603.1	4603.1	4607.4	4609.6	4607.4	4603.1	4603.1	4594.4	4587.9	4581.3	4579.2
7.5°	4685.8	4690.2	4694.5	4696.6	4694.5	4690.2	4685.8	4672.7	4659.6	4648.8	4640.1
10°	4735.9	4742.4	4751.1	4755.4	4751.1	4742.4	4735.9	4720.6	4703.2	4685.8	4672.7
12.5°	4757.6	4764.2	4775.0	4772.9	4775.0	4764.2	4757.6	4735.9	4716.2	4692.3	4672.7
15°	4742.4	4751.1	4761.9	4766.3	4761.9	4751.1	4742.4	4720.6	4703.2	4677.1	4657.5
17.5°	4694.5	4707.6	4714.1	4720.6	4714.1	4707.6	4694.5	4677.1	4653.2	4631.4	4611.8
20°	4629.2	4637.9	4646.6	4648.8	4646.6	4637.9	4629.2	4609.6	4572.6	4568.3	4553.0
22.5°	4535.6	4542.2	4561.7	4555.2	4561.7	4542.2	4535.6	4518.2	4505.2	4481.2	4466.0
25°	4400.6	4407.2	4409.4	4411.6	4409.4	4407.2	4400.6	4385.4	4372.4	4355.0	4346.3
27.5°	4167.8	4167.8	4172.1	4174.4	4172.1	4167.8	4167.8	4156.9	4148.2	4139.5	4130.8
30°	3815.2	3815.2	3815.2	3826.2	3815.2	3815.2	3815.2	3813.1	3813.1	3815.2	3815.2
32.5°	3408.3	3403.9	3399.6	3403.9	3399.6	3403.9	3408.3	3410.4	3408.3	3414.8	3425.6
35°	2946.8	2944.7	2951.2	2942.5	2951.2	2944.7	2946.8	2946.8	2955.6	2964.3	2966.4
37.5°	2505.0	2500.7	2509.4	2500.7	2509.4	2500.7	2505.0	2502.8	2500.7	2505.0	2498.5
40°	2085.0	2089.3	2089.3	2106.8	2089.3	2089.3	2085.0	2080.6	2065.4	2056.7	2048.0
42.5°	1682.4	1695.4	1691.0	1704.1	1691.0	1695.4	1682.4	1673.7	1656.2	1641.0	1628.0
45°	1301.5	1310.2	1310.2	1314.5	1310.2	1310.2	1301.5	1292.8	1277.5	1264.5	1255.8
47.5°	998.9	998.9	998.9	1001.2	998.9	998.9	998.9	983.7	979.4	970.7	959.8
50°	759.6	761.7	764.0	766.1	764.0	761.7	759.6	755.2	753.0	748.6	746.5
52.5°	583.3	585.4	581.1	585.4	581.1	585.4	583.3	585.4	578.9	578.9	576.7
55°	441.8	439.7	441.8	444.0	441.8	439.7	441.8	441.8	439.7	439.7	439.7
57.5°	324.3	319.9	319.9	319.9	319.9	319.9	324.3	322.1	328.7	324.3	326.4
60°	241.6	243.8	243.8	245.9	243.8	243.8	241.6	245.9	245.9	248.1	248.1
62.5°	178.4	185.0	180.6	185.0	180.6	185.0	178.4	180.6	180.6	182.8	185.0
65°	115.4	115.4	115.4	117.5	115.4	115.4	115.4	117.5	119.7	117.5	124.1
67.5°	78.4	80.5	84.9	82.7	84.9	80.5	78.4	80.5	80.5	87.1	84.9
70°	63.2	56.6	56.6	63.2	56.6	56.6	63.2	58.8	56.6	60.9	58.8
72.5°	37.0	32.6	37.0	37.0	37.0	32.6	37.0	32.6	34.8	34.8	39.1
75°	19.6	17.4	15.2	21.8	15.2	17.4	19.6	19.6	19.6	19.6	21.8
77.5°	13.1	10.8	15.2	15.2	15.2	10.8	13.1	10.8	13.1	10.8	13.1
80°	6.5	8.7	6.5	10.8	6.5	8.7	6.5	10.8	6.5	8.7	8.7
82.5°	2.1	4.4	4.4	4.4	4.4	4.4	2.1	2.1	4.4	4.4	2.1
85°	0.0	4.4	2.1	2.1	2.1	4.4	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	0.0	0.0	2.1	0.0	0.0	2.1	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: P248744

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4502.9	4496.4	4498.6	4485.6	4485.6	4481.2	4483.4	4472.5	4468.2	4463.8	4470.3
5°	4568.3	4557.4	4548.6	4529.1	4518.2	4505.2	4498.6	4481.2	4466.0	4452.9	4450.7
7.5°	4620.5	4596.6	4581.3	4555.2	4535.6	4520.4	4498.6	4474.6	4455.1	4437.6	4424.7
10°	4642.2	4618.3	4594.4	4561.7	4539.9	4511.6	4489.9	4459.4	4433.3	4409.4	4394.1
12.5°	4644.4	4613.9	4592.2	4555.2	4526.9	4496.4	4472.5	4437.6	4407.2	4383.3	4359.3
15°	4624.9	4596.6	4570.4	4531.3	4502.9	4474.6	4446.4	4409.4	4381.1	4352.8	4335.4
17.5°	4581.3	4555.2	4524.7	4487.7	4461.7	4435.5	4405.0	4374.6	4341.9	4311.4	4289.7
20°	4524.7	4496.4	4470.3	4433.3	4411.6	4383.3	4355.0	4322.4	4296.2	4265.7	4241.8
22.5°	4439.9	4413.7	4389.8	4368.0	4333.2	4311.4	4291.9	4254.9	4228.7	4200.4	4174.4
25°	4318.0	4291.9	4272.3	4246.1	4230.9	4207.0	4187.4	4154.7	4130.8	4104.7	4082.9
27.5°	4117.7	4102.5	4091.6	4076.4	4063.4	4052.4	4041.6	4015.4	3998.1	3974.1	3952.4
30°	3817.4	3815.2	3808.7	3802.1	3810.8	3810.8	3810.8	3806.5	3791.3	3773.8	3758.6
32.5°	3432.2	3436.6	3445.2	3451.8	3469.2	3488.8	3506.2	3514.9	3514.9	3504.0	3497.5
35°	2973.0	2979.5	2992.6	3010.0	3031.7	3055.7	3094.8	3103.6	3110.0	3110.0	3101.3
37.5°	2496.3	2494.2	2507.2	2522.5	2535.5	2552.9	2581.2	2587.8	2598.6	2594.3	2585.5
40°	2032.7	2021.9	2017.5	2021.9	2037.1	2030.6	2037.1	2032.7	2032.7	2017.5	2017.5
42.5°	1604.0	1591.0	1582.2	1575.8	1575.8	1560.4	1549.6	1538.8	1532.2	1521.3	1519.1
45°	1236.2	1220.9	1210.1	1205.7	1199.2	1179.6	1166.5	1153.5	1138.2	1133.9	1136.1
47.5°	959.8	944.6	940.2	929.3	918.4	907.6	898.9	883.6	881.4	872.7	881.4
50°	740.0	735.7	729.1	724.7	718.2	709.5	700.8	692.1	687.7	687.7	689.9
52.5°	574.6	576.7	570.2	563.7	559.4	559.4	548.4	546.3	546.3	537.6	546.3
55°	439.7	437.4	439.7	435.3	435.3	428.7	428.7	422.2	422.2	415.7	420.1
57.5°	322.1	326.4	322.1	324.3	328.7	322.1	319.9	313.4	317.7	313.4	315.6
60°	250.3	250.3	250.3	248.1	248.1	245.9	245.9	243.8	243.8	239.4	243.8
62.5°	185.0	187.1	187.1	187.1	189.4	187.1	185.0	187.1	185.0	185.0	187.1
65°	121.9	124.1	124.1	121.9	126.2	121.9	124.1	126.2	128.4	126.2	128.4
67.5°	82.7	82.7	84.9	87.1	84.9	87.1	89.2	87.1	89.2	93.6	89.2
70°	60.9	63.2	63.2	60.9	58.8	60.9	58.8	65.3	65.3	65.3	69.6
72.5°	39.1	39.1	37.0	37.0	37.0	37.0	37.0	43.5	39.1	37.0	41.4
75°	21.8	23.9	23.9	17.4	19.6	23.9	17.4	19.6	26.2	21.8	26.2
77.5°	13.1	13.1	13.1	13.1	13.1	13.1	17.4	15.2	15.2	15.2	17.4
80°	10.8	8.7	8.7	6.5	8.7	8.7	8.7	13.1	10.8	10.8	13.1
82.5°	4.4	4.4	2.1	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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: P248744

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4452.9	4452.9	4450.7	4446.4	4437.6	4437.6	4435.5	4429.0	4424.7	4422.4	4422.4
5°	4431.1	4422.4	4413.7	4389.8	4389.8	4385.4	4372.4	4363.6	4359.3	4348.4	4344.1
7.5°	4411.6	4385.4	4370.2	4355.0	4335.4	4326.7	4311.4	4304.9	4289.7	4278.8	4272.3
10°	4363.6	4346.3	4326.7	4302.7	4287.5	4270.1	4252.7	4239.7	4220.0	4209.1	4200.4
12.5°	4331.0	4304.9	4287.5	4261.3	4235.3	4220.0	4196.1	4180.9	4161.3	4139.5	4126.4
15°	4300.6	4272.3	4248.4	4220.0	4191.7	4174.4	4146.1	4128.7	4100.4	4078.6	4063.4
17.5°	4254.9	4230.9	4204.8	4170.0	4143.9	4122.1	4091.6	4069.9	4043.7	4015.4	4000.2
20°	4207.0	4178.7	4152.6	4117.7	4091.6	4065.5	4035.1	4011.1	3980.6	3954.5	3937.1
22.5°	4143.9	4111.2	4089.4	4054.6	4024.1	3995.9	3967.6	3939.3	3911.0	3889.2	3869.6
25°	4052.4	4017.6	3993.7	3965.4	3937.1	3915.4	3880.5	3863.2	3834.8	3815.2	3795.6
27.5°	3921.8	3895.8	3874.0	3845.7	3821.8	3804.4	3778.2	3760.8	3736.8	3719.5	3704.2
30°	3730.4	3708.6	3689.0	3660.7	3643.3	3628.1	3604.1	3588.9	3571.5	3551.9	3547.6
32.5°	3473.6	3456.1	3436.6	3416.9	3403.9	3395.2	3375.6	3366.9	3349.5	3338.6	3327.7
35°	3086.1	3070.9	3060.0	3051.4	3047.0	3049.1	3044.8	3053.5	3057.8	3055.7	3057.8
37.5°	2579.1	2570.3	2574.7	2581.2	2603.0	2631.3	2657.4	2696.5	2722.7	2748.8	2772.8
40°	2013.2	2019.7	2037.1	2076.3	2132.9	2196.0	2254.8	2328.8	2402.8	2455.0	2502.8
42.5°	1519.1	1538.8	1582.2	1638.8	1723.7	1817.3	1908.7	2017.5	2106.8	2193.8	2254.8
45°	1142.6	1168.7	1225.3	1303.7	1397.2	1506.1	1621.4	1743.3	1850.0	1939.2	2006.6
47.5°	890.2	914.1	970.7	1053.4	1168.7	1281.9	1401.6	1527.8	1638.8	1725.9	1784.7
50°	703.0	733.4	783.5	870.6	985.9	1105.6	1229.7	1353.7	1458.2	1532.2	1584.4
52.5°	552.8	581.1	629.0	720.4	838.0	957.6	1072.9	1194.9	1286.2	1358.1	1392.9
55°	428.7	454.9	504.9	581.1	692.1	809.6	924.9	1029.5	1114.3	1166.5	1199.2
57.5°	326.4	346.1	380.9	457.0	557.2	666.0	764.0	868.4	933.7	970.7	992.4
60°	248.1	263.4	300.4	359.1	450.5	544.1	626.8	705.2	757.4	787.9	809.6
62.5°	187.1	204.6	230.7	280.8	350.4	426.6	496.2	555.0	598.5	618.1	633.3
65°	128.4	141.5	161.1	200.2	259.0	313.4	367.8	411.4	439.7	461.4	470.1
67.5°	95.8	104.5	115.4	145.8	187.1	230.7	267.7	298.1	328.7	337.4	352.6
70°	71.8	78.4	89.2	111.0	134.9	165.4	195.9	213.3	235.1	250.3	254.7
72.5°	45.7	47.8	58.8	71.8	91.4	111.0	130.6	145.8	158.9	167.6	171.9
75°	26.2	39.1	39.1	52.2	65.3	74.0	87.1	97.9	104.5	111.0	111.0
77.5°	17.4	23.9	26.2	32.6	39.1	50.1	60.9	67.5	74.0	76.1	76.1
80°	15.2	17.4	17.4	23.9	28.3	37.0	43.5	45.7	50.1	52.2	56.6
82.5°	6.5	8.7	10.8	17.4	19.6	19.6	26.2	28.3	32.6	34.8	34.8
85°	2.1	4.4	4.4	6.5	10.8	13.1	15.2	17.4	19.6	19.6	21.8
87.5°	2.1	2.1	0.0	2.1	4.4	4.4	8.7	8.7	8.7	13.1	13.1
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: P248744

CATALOG NUMBER: LD8B100D010 ER8B1009727 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3	4457.3
2.5°	4418.1	4420.3	4411.6	4409.4	4405.0	4407.2	4411.6
5°	4337.6	4339.7	4331.0	4322.4	4322.4	4320.1	4322.4
7.5°	4261.3	4263.6	4250.5	4246.1	4237.4	4239.7	4239.7
10°	4185.2	4185.2	4165.7	4163.4	4156.9	4154.7	4154.7
12.5°	4111.2	4104.7	4089.4	4080.7	4085.1	4072.1	4072.1
15°	4045.9	4035.1	4015.4	4008.9	3998.1	3993.7	3993.7
17.5°	3978.4	3969.8	3952.4	3939.3	3926.2	3924.1	3926.2
20°	3913.1	3904.4	3882.7	3874.0	3863.2	3863.2	3858.8
22.5°	3847.8	3839.1	3819.6	3813.1	3797.8	3797.8	3800.0
25°	3780.4	3773.8	3752.1	3747.8	3745.6	3736.8	3741.2
27.5°	3689.0	3684.6	3667.2	3660.7	3652.0	3649.9	3654.2
30°	3521.4	3514.9	3501.9	3495.3	3480.1	3482.2	3486.5
32.5°	3312.5	3303.8	3286.3	3279.8	3266.8	3262.4	3264.6
35°	3051.4	3044.8	3029.6	3029.6	3016.5	3012.1	3016.5
37.5°	2785.8	2792.3	2785.8	2792.3	2785.8	2783.6	2785.8
40°	2535.5	2559.5	2563.8	2587.8	2579.1	2592.1	2589.9
42.5°	2296.1	2335.2	2350.6	2370.1	2365.8	2374.5	2381.0
45°	2054.5	2087.2	2102.4	2115.5	2117.6	2122.0	2124.2
47.5°	1826.0	1852.1	1854.3	1869.5	1867.3	1867.3	1873.9
50°	1612.8	1630.1	1634.4	1645.4	1636.7	1632.3	1634.4
52.5°	1414.7	1432.1	1427.7	1432.1	1421.2	1416.8	1419.0
55°	1212.2	1220.9	1220.9	1220.9	1207.9	1207.9	1207.9
57.5°	1005.5	1007.7	1003.3	1005.5	1003.3	990.2	988.1
60°	816.2	816.2	813.9	816.2	809.6	803.1	803.1
62.5°	637.6	642.0	650.7	642.0	637.6	642.0	635.5
65°	476.7	485.4	483.1	487.5	485.4	485.4	481.0
67.5°	359.1	361.3	363.4	365.7	365.7	365.7	365.7
70°	263.4	269.9	267.7	267.7	267.7	267.7	280.8
72.5°	176.3	185.0	182.8	187.1	187.1	191.5	187.1
75°	119.7	128.4	124.1	130.6	128.4	124.1	134.9
77.5°	80.5	84.9	87.1	89.2	87.1	84.9	87.1
80°	56.6	60.9	58.8	60.9	60.9	60.9	63.2
82.5°	34.8	41.4	39.1	41.4	39.1	41.4	41.4
85°	23.9	26.2	21.8	26.2	23.9	23.9	28.3
87.5°	15.2	13.1	13.1	15.2	13.1	15.2	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)