

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: P248993

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248993  
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: LSR8B70D010 EC8B70835 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7450.0 lumens  
Efficiency: N/A  
Efficacy: 98.2 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

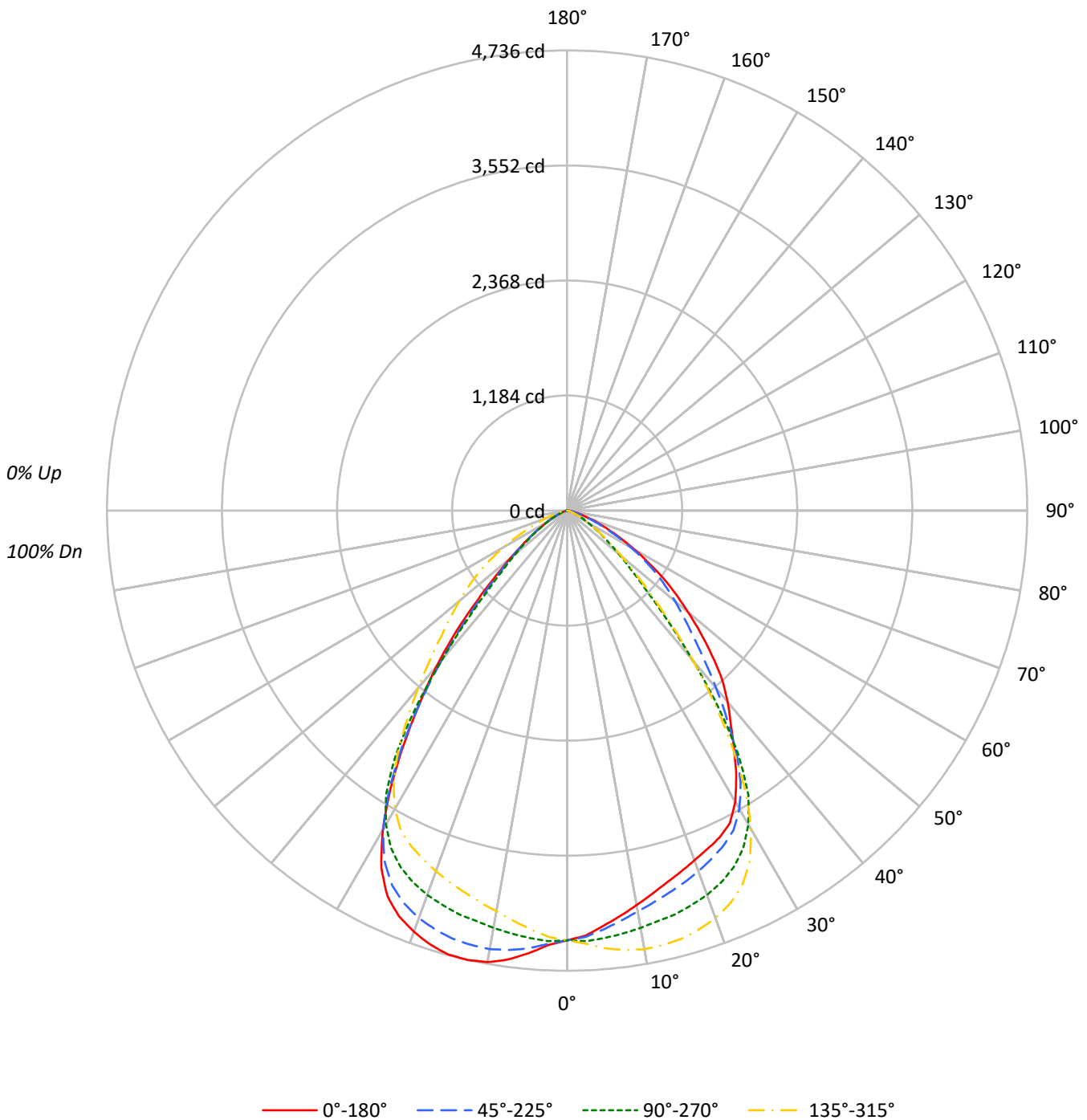
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	136383	136383	136383	136383
5°	132762	136703	141584	136703
10°	129087	136527	147752	136527
15°	126509	137334	150985	137334
20°	125650	138120	151374	138120
25°	126308	137845	148941	137845
30°	123185	132799	135184	132799
35°	112677	115846	109914	115846
40°	103449	80584	84151	80584
45°	91919	49161	56884	49161
50°	77802	32837	36469	32837
55°	64439	22408	23682	22408
60°	49147	14919	15048	14919
65°	34826	9296	8508	9296
70°	25118	6230	5653	6230
75°	15953	3098	2573	3098
80°	11134	2309	1918	2309
85°	9942	0	743	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.0	5.7
10°-20°	1219.1	16.4
20°-30°	1845.9	24.8
30°-40°	1850.0	24.8
40°-50°	1161.7	15.6
50°-60°	619.1	8.3
60°-70°	254.6	3.4
70°-80°	67.3	0.9
80°-90°	11.4	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°	3485.9	46.8
0°-40°	5336.0	71.6
0°-60°	7116.8	95.5
0°-90°	7450.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7450.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4423	4423	4423	4423	4423	
5°	4289	4416	4574	4416	4289	404
15°	3963	4302	4730	4302	3963	1121
25°	3712	4051	4378	4051	3712	1703
35°	2993	3077	2920	3077	2993	1875
45°	2108	1127	1304	1127	2108	1621
55°	1199	417	440	417	1199	1069
65°	477	127	117	127	477	495
75°	134	26	22	26	134	152
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°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4377.5	4373.1	4371.0	4375.4	4377.5	4386.1	4384.0	4388.3	4388.3	4390.5	4394.7
5°	4289.0	4286.7	4289.0	4289.0	4297.6	4306.2	4304.1	4310.6	4314.8	4325.7	4329.9
7.5°	4206.9	4206.9	4204.7	4213.3	4217.7	4230.6	4228.4	4239.3	4245.8	4256.5	4271.6
10°	4122.6	4122.6	4124.8	4131.3	4133.5	4152.9	4152.9	4168.0	4176.6	4187.4	4206.9
12.5°	4040.6	4040.6	4053.6	4049.2	4057.8	4073.0	4079.4	4094.6	4107.5	4129.1	4148.6
15°	3962.8	3962.8	3967.2	3977.9	3984.4	4003.9	4014.6	4032.0	4047.1	4068.7	4096.8
17.5°	3895.9	3893.8	3895.9	3908.9	3921.8	3939.1	3947.7	3969.3	3984.4	4012.5	4038.5
20°	3829.0	3833.3	3833.3	3844.1	3852.7	3874.3	3882.9	3906.7	3924.0	3949.8	3980.2
22.5°	3770.6	3768.5	3768.5	3783.6	3790.1	3809.5	3818.1	3839.7	3859.2	3880.8	3908.9
25°	3712.3	3708.0	3716.7	3718.8	3723.1	3744.7	3751.2	3766.3	3785.8	3805.2	3833.3
27.5°	3625.9	3621.7	3623.8	3632.4	3638.9	3656.1	3660.5	3675.6	3690.7	3708.0	3731.8
30°	3459.6	3455.3	3453.2	3468.3	3474.8	3487.7	3494.2	3520.1	3524.4	3543.9	3561.1
32.5°	3239.3	3237.2	3241.6	3254.5	3260.9	3278.3	3286.9	3302.0	3312.8	3323.6	3340.9
35°	2993.2	2988.8	2993.2	3006.2	3006.2	3021.3	3027.8	3034.2	3032.1	3034.2	3029.9
37.5°	2764.3	2762.1	2764.3	2770.7	2764.3	2770.7	2764.3	2751.3	2727.6	2701.6	2675.7
40°	2569.9	2572.0	2559.2	2567.8	2544.0	2539.7	2516.0	2483.5	2436.0	2384.2	2310.8
42.5°	2362.6	2356.1	2347.5	2351.8	2332.4	2317.2	2278.3	2237.4	2176.8	2090.5	2001.9
45°	2107.8	2105.6	2101.3	2099.1	2086.2	2071.1	2038.6	1991.1	1924.2	1835.7	1729.8
47.5°	1859.4	1852.9	1852.9	1855.1	1839.9	1837.8	1811.9	1770.9	1712.6	1626.2	1516.0
50°	1621.8	1619.7	1624.0	1632.6	1621.8	1617.5	1600.3	1572.2	1520.4	1447.0	1343.2
52.5°	1408.0	1405.9	1410.2	1421.0	1416.6	1421.0	1403.8	1382.2	1347.6	1276.3	1185.6
55°	1198.6	1198.6	1198.6	1211.5	1211.5	1211.5	1202.9	1190.0	1157.5	1105.7	1021.5
57.5°	980.5	982.6	995.6	997.7	995.6	999.9	997.7	984.7	963.2	926.5	861.7
60°	796.9	796.9	803.4	809.9	807.7	809.9	809.9	803.4	781.8	751.6	699.7
62.5°	630.6	637.1	632.7	637.1	645.7	637.1	632.7	628.5	613.3	593.9	550.7
65°	477.3	481.6	481.6	483.7	479.4	481.6	473.0	466.5	457.9	436.3	408.2
67.5°	362.9	362.9	362.9	362.9	360.6	358.5	356.4	349.9	334.8	326.1	295.8
70°	278.6	265.6	265.6	265.6	265.6	267.8	261.3	252.7	248.4	233.2	211.6
72.5°	185.7	190.0	185.7	185.7	181.4	183.6	174.9	170.6	166.3	157.7	144.7
75°	133.9	123.1	127.4	129.6	123.1	127.4	118.8	110.1	110.1	103.6	97.2
77.5°	86.4	84.3	86.4	88.5	86.4	84.3	79.9	75.6	75.6	73.4	66.9
80°	62.7	60.4	60.4	60.4	58.3	60.4	56.2	56.2	51.8	49.7	45.3
82.5°	41.1	41.1	38.8	41.1	38.8	41.1	34.6	34.6	34.6	32.4	28.1
85°	28.1	23.7	23.7	26.0	21.6	26.0	23.7	21.6	19.5	19.5	17.2
87.5°	13.0	15.1	13.0	15.1	13.0	13.0	15.1	13.0	13.0	8.6	8.6
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°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4401.2	4403.4	4403.4	4412.1	4416.3	4418.5	4418.5	4435.8	4429.3	4433.7	4437.9
5°	4338.6	4351.5	4355.9	4355.9	4379.6	4388.3	4396.9	4416.3	4418.5	4431.5	4446.6
7.5°	4278.1	4293.2	4301.9	4321.3	4336.4	4351.5	4377.5	4390.5	4403.4	4420.7	4440.1
10°	4219.8	4237.1	4254.4	4269.5	4293.2	4312.7	4329.9	4360.2	4375.4	4399.1	4425.0
12.5°	4163.7	4187.4	4202.6	4228.4	4254.4	4271.6	4297.6	4325.7	4349.4	4373.1	4403.4
15°	4114.0	4142.1	4159.4	4187.4	4215.5	4239.3	4267.4	4301.9	4319.2	4347.3	4375.4
17.5°	4060.0	4090.3	4111.9	4137.8	4172.3	4198.2	4222.0	4256.5	4278.1	4308.3	4340.8
20°	4003.9	4034.1	4060.0	4085.9	4120.5	4146.4	4174.5	4209.0	4232.8	4263.0	4289.0
22.5°	3937.0	3965.0	3993.0	4023.3	4057.8	4079.4	4111.9	4142.1	4168.0	4196.1	4222.0
25°	3850.6	3885.1	3906.7	3934.7	3962.8	3986.6	4021.1	4051.4	4073.0	4098.9	4122.6
27.5°	3749.0	3775.0	3792.2	3816.0	3844.1	3865.7	3891.5	3921.8	3943.4	3967.2	3984.4
30°	3576.2	3600.1	3615.2	3632.4	3660.5	3680.0	3701.6	3729.6	3744.7	3762.0	3777.1
32.5°	3349.5	3368.9	3377.6	3390.5	3410.0	3429.4	3446.7	3470.5	3476.9	3487.7	3487.7
35°	3021.3	3025.6	3023.4	3027.8	3036.4	3047.2	3062.3	3077.4	3086.0	3086.0	3079.6
37.5°	2636.8	2611.0	2582.9	2561.3	2554.8	2550.4	2559.2	2565.6	2574.3	2578.5	2567.8
40°	2237.4	2179.1	2116.4	2060.2	2021.4	2004.1	1997.6	2001.9	2001.9	2017.0	2017.0
42.5°	1894.0	1803.2	1710.4	1626.2	1570.0	1526.9	1507.4	1507.4	1509.5	1520.4	1526.9
45°	1608.9	1494.4	1386.4	1293.6	1215.8	1159.7	1133.8	1127.3	1125.2	1129.4	1144.6
47.5°	1390.8	1272.0	1159.7	1045.3	963.2	907.0	883.3	874.6	866.0	874.6	876.8
50°	1220.2	1097.1	978.3	863.8	777.4	727.7	697.5	684.5	682.4	682.4	686.8
52.5°	1064.6	950.2	831.5	714.9	624.1	576.6	548.5	542.1	533.4	542.1	542.1
55°	917.8	803.4	686.8	576.6	501.0	451.4	425.4	416.8	412.5	418.9	418.9
57.5°	758.1	660.8	552.9	453.5	378.0	343.4	323.9	313.2	310.9	315.3	310.9
60°	622.0	539.9	447.0	356.4	298.0	261.3	246.2	241.9	237.5	241.9	241.9
62.5°	492.4	423.3	347.7	278.6	228.9	203.0	185.7	185.7	183.6	183.6	185.7
65°	365.0	310.9	257.0	198.7	159.8	140.4	127.4	127.4	125.2	127.4	125.2
67.5°	265.6	228.9	185.7	144.7	114.5	103.6	95.0	88.5	92.9	88.5	86.4
70°	194.4	164.1	133.9	110.1	88.5	77.8	71.3	69.1	64.8	64.8	64.8
72.5°	129.6	110.1	90.7	71.3	58.3	47.5	45.3	41.1	36.7	38.8	43.2
75°	86.4	73.4	64.8	51.8	38.8	38.8	26.0	26.0	21.6	26.0	19.5
77.5°	60.4	49.7	38.8	32.4	26.0	23.7	17.2	17.2	15.1	15.1	15.1
80°	43.2	36.7	28.1	23.7	17.2	17.2	15.1	13.0	10.8	10.8	13.0
82.5°	26.0	19.5	19.5	17.2	10.8	8.6	6.5	8.6	4.4	4.4	4.4
85°	15.1	13.0	10.8	6.5	4.4	4.4	2.1	0.0	2.1	2.1	0.0
87.5°	8.6	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°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4448.8	4446.6	4450.9	4450.9	4463.9	4461.7	4468.2	4468.2	4463.9	4466.0	4474.7
5°	4463.9	4470.4	4483.3	4494.1	4513.5	4522.2	4533.0	4543.8	4545.9	4552.4	4558.9
7.5°	4463.9	4485.5	4500.6	4520.0	4545.9	4561.1	4584.8	4604.3	4612.9	4623.6	4636.6
10°	4455.2	4476.8	4504.9	4526.5	4558.9	4582.7	4606.4	4636.6	4649.6	4666.8	4684.2
12.5°	4437.9	4461.7	4491.9	4520.0	4556.7	4578.3	4608.5	4636.6	4656.1	4679.8	4699.3
15°	4412.1	4440.1	4468.2	4496.3	4535.1	4561.1	4589.1	4621.5	4641.0	4666.8	4684.2
17.5°	4371.0	4401.2	4427.2	4453.1	4489.8	4520.0	4545.9	4576.2	4595.6	4617.2	4641.0
20°	4321.3	4349.4	4377.5	4399.1	4435.8	4461.7	4489.8	4517.9	4533.0	4537.3	4574.0
22.5°	4258.7	4278.1	4299.7	4334.3	4355.9	4379.6	4405.6	4431.5	4446.6	4470.4	4483.3
25°	4155.0	4174.5	4198.2	4213.3	4239.3	4258.7	4284.6	4312.7	4321.3	4338.6	4351.5
27.5°	4010.4	4021.1	4032.0	4044.9	4060.0	4070.8	4085.9	4098.9	4107.5	4116.2	4124.8
30°	3781.4	3781.4	3781.4	3772.8	3779.3	3785.8	3787.9	3785.8	3785.8	3783.6	3783.6
32.5°	3479.1	3461.8	3442.4	3425.1	3418.6	3410.0	3405.7	3399.2	3388.4	3381.9	3384.1
35°	3070.9	3032.1	3008.3	2986.7	2969.5	2956.5	2950.0	2943.5	2941.4	2932.8	2924.0
37.5°	2561.3	2533.2	2516.0	2503.0	2487.9	2474.9	2477.0	2479.2	2485.6	2481.4	2483.5
40°	2021.4	2014.9	2021.4	2006.3	2001.9	2006.3	2017.0	2032.2	2040.8	2049.5	2064.6
42.5°	1537.6	1548.4	1563.6	1563.6	1570.0	1578.7	1591.6	1615.4	1628.3	1643.4	1660.7
45°	1157.5	1170.5	1190.0	1196.4	1200.7	1211.5	1226.7	1246.1	1254.7	1267.7	1282.8
47.5°	891.9	900.5	911.3	922.1	932.9	937.3	952.4	952.4	963.2	971.8	976.1
50°	695.4	704.0	712.6	719.1	723.5	730.0	734.2	740.7	742.9	747.2	749.3
52.5°	544.2	555.0	555.0	559.3	565.8	572.3	570.1	572.3	574.4	574.4	580.9
55°	425.4	425.4	431.9	431.9	436.3	434.1	436.3	436.3	436.3	436.3	438.4
57.5°	317.4	319.6	326.1	321.8	319.6	323.9	319.6	323.9	321.8	326.1	319.6
60°	244.0	244.0	246.2	246.2	248.4	248.4	248.4	246.2	246.2	244.0	244.0
62.5°	183.6	185.7	187.9	185.7	185.7	185.7	183.6	183.6	181.4	179.2	179.2
65°	123.1	121.0	125.2	121.0	123.1	123.1	121.0	123.1	116.6	118.8	116.6
67.5°	88.5	86.4	84.3	86.4	84.3	82.0	82.0	84.3	86.4	79.9	79.9
70°	58.3	60.4	58.3	60.4	62.7	62.7	60.4	58.3	60.4	56.2	58.3
72.5°	36.7	36.7	36.7	36.7	36.7	38.8	38.8	38.8	34.6	34.6	32.4
75°	17.2	23.7	19.5	17.2	23.7	23.7	21.6	21.6	19.5	19.5	19.5
77.5°	17.2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.8	13.0	10.8
80°	8.6	8.6	8.6	6.5	8.6	8.6	10.8	8.6	8.6	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: P248993

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4472.5	4470.4	4472.5	4474.7	4472.5	4470.4	4472.5	4474.7	4466.0	4463.9	4468.2
5°	4567.5	4567.5	4571.8	4574.0	4571.8	4567.5	4567.5	4558.9	4552.4	4545.9	4543.8
7.5°	4649.6	4653.9	4658.2	4660.3	4658.2	4653.9	4649.6	4636.6	4623.6	4612.9	4604.3
10°	4699.3	4705.8	4714.4	4718.7	4714.4	4705.8	4699.3	4684.2	4666.8	4649.6	4636.6
12.5°	4720.9	4727.4	4738.1	4736.0	4738.1	4727.4	4720.9	4699.3	4679.8	4656.1	4636.6
15°	4705.8	4714.4	4725.1	4729.5	4725.1	4714.4	4705.8	4684.2	4666.8	4641.0	4621.5
17.5°	4658.2	4671.2	4677.7	4684.2	4677.7	4671.2	4658.2	4641.0	4617.2	4595.6	4576.2
20°	4593.4	4602.1	4610.7	4612.9	4610.7	4602.1	4593.4	4574.0	4537.3	4533.0	4517.9
22.5°	4500.6	4507.1	4526.5	4520.0	4526.5	4507.1	4500.6	4483.3	4470.4	4446.6	4431.5
25°	4366.7	4373.1	4375.4	4377.5	4375.4	4373.1	4366.7	4351.5	4338.6	4321.3	4312.7
27.5°	4135.6	4135.6	4139.9	4142.1	4139.9	4135.6	4135.6	4124.8	4116.2	4107.5	4098.9
30°	3785.8	3785.8	3785.8	3796.6	3785.8	3785.8	3785.8	3783.6	3783.6	3785.8	3785.8
32.5°	3381.9	3377.6	3373.3	3377.6	3373.3	3377.6	3381.9	3384.1	3381.9	3388.4	3399.2
35°	2924.0	2921.9	2928.4	2919.8	2928.4	2921.9	2924.0	2924.0	2932.8	2941.4	2943.5
37.5°	2485.6	2481.4	2490.0	2481.4	2490.0	2481.4	2485.6	2483.5	2481.4	2485.6	2479.2
40°	2068.9	2073.2	2073.2	2090.5	2073.2	2073.2	2068.9	2064.6	2049.5	2040.8	2032.2
42.5°	1669.4	1682.3	1678.0	1691.0	1678.0	1682.3	1669.4	1660.7	1643.4	1628.3	1615.4
45°	1291.4	1300.1	1300.1	1304.4	1300.1	1300.1	1291.4	1282.8	1267.7	1254.7	1246.1
47.5°	991.2	991.2	991.2	993.4	991.2	991.2	991.2	976.1	971.8	963.2	952.4
50°	753.7	755.8	758.1	760.2	758.1	755.8	753.7	749.3	747.2	742.9	740.7
52.5°	578.8	580.9	576.6	580.9	576.6	580.9	578.8	580.9	574.4	574.4	572.3
55°	438.4	436.3	438.4	440.5	438.4	436.3	438.4	438.4	436.3	436.3	436.3
57.5°	321.8	317.4	317.4	317.4	317.4	317.4	321.8	319.6	326.1	321.8	323.9
60°	239.7	241.9	241.9	244.0	241.9	241.9	239.7	244.0	244.0	246.2	246.2
62.5°	177.1	183.6	179.2	183.6	179.2	183.6	177.1	179.2	179.2	181.4	183.6
65°	114.5	114.5	114.5	116.6	114.5	114.5	114.5	116.6	118.8	116.6	123.1
67.5°	77.8	79.9	84.3	82.0	84.3	79.9	77.8	79.9	79.9	86.4	84.3
70°	62.7	56.2	56.2	62.7	56.2	56.2	62.7	58.3	56.2	60.4	58.3
72.5°	36.7	32.4	36.7	36.7	36.7	32.4	36.7	32.4	34.6	34.6	38.8
75°	19.5	17.2	15.1	21.6	15.1	17.2	19.5	19.5	19.5	19.5	21.6
77.5°	13.0	10.8	15.1	15.1	15.1	10.8	13.0	10.8	13.0	10.8	13.0
80°	6.5	8.6	6.5	10.8	6.5	8.6	6.5	10.8	6.5	8.6	8.6
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: P248993

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4468.2	4461.7	4463.9	4450.9	4450.9	4446.6	4448.8	4437.9	4433.7	4429.3	4435.8
5°	4533.0	4522.2	4513.5	4494.1	4483.3	4470.4	4463.9	4446.6	4431.5	4418.5	4416.3
7.5°	4584.8	4561.1	4545.9	4520.0	4500.6	4485.5	4463.9	4440.1	4420.7	4403.4	4390.5
10°	4606.4	4582.7	4558.9	4526.5	4504.9	4476.8	4455.2	4425.0	4399.1	4375.4	4360.2
12.5°	4608.5	4578.3	4556.7	4520.0	4491.9	4461.7	4437.9	4403.4	4373.1	4349.4	4325.7
15°	4589.1	4561.1	4535.1	4496.3	4468.2	4440.1	4412.1	4375.4	4347.3	4319.2	4301.9
17.5°	4545.9	4520.0	4489.8	4453.1	4427.2	4401.2	4371.0	4340.8	4308.3	4278.1	4256.5
20°	4489.8	4461.7	4435.8	4399.1	4377.5	4349.4	4321.3	4289.0	4263.0	4232.8	4209.0
22.5°	4405.6	4379.6	4355.9	4334.3	4299.7	4278.1	4258.7	4222.0	4196.1	4168.0	4142.1
25°	4284.6	4258.7	4239.3	4213.3	4198.2	4174.5	4155.0	4122.6	4098.9	4073.0	4051.4
27.5°	4085.9	4070.8	4060.0	4044.9	4032.0	4021.1	4010.4	3984.4	3967.2	3943.4	3921.8
30°	3787.9	3785.8	3779.3	3772.8	3781.4	3781.4	3781.4	3777.1	3762.0	3744.7	3729.6
32.5°	3405.7	3410.0	3418.6	3425.1	3442.4	3461.8	3479.1	3487.7	3487.7	3476.9	3470.5
35°	2950.0	2956.5	2969.5	2986.7	3008.3	3032.1	3070.9	3079.6	3086.0	3086.0	3077.4
37.5°	2477.0	2474.9	2487.9	2503.0	2516.0	2533.2	2561.3	2567.8	2578.5	2574.3	2565.6
40°	2017.0	2006.3	2001.9	2006.3	2021.4	2014.9	2021.4	2017.0	2017.0	2001.9	2001.9
42.5°	1591.6	1578.7	1570.0	1563.6	1563.6	1548.4	1537.6	1526.9	1520.4	1509.5	1507.4
45°	1226.7	1211.5	1200.7	1196.4	1190.0	1170.5	1157.5	1144.6	1129.4	1125.2	1127.3
47.5°	952.4	937.3	932.9	922.1	911.3	900.5	891.9	876.8	874.6	866.0	874.6
50°	734.2	730.0	723.5	719.1	712.6	704.0	695.4	686.8	682.4	682.4	684.5
52.5°	570.1	572.3	565.8	559.3	555.0	555.0	544.2	542.1	542.1	533.4	542.1
55°	436.3	434.1	436.3	431.9	431.9	425.4	425.4	418.9	418.9	412.5	416.8
57.5°	319.6	323.9	319.6	321.8	326.1	319.6	317.4	310.9	315.3	310.9	313.2
60°	248.4	248.4	248.4	246.2	246.2	244.0	244.0	241.9	241.9	237.5	241.9
62.5°	183.6	185.7	185.7	185.7	187.9	185.7	183.6	185.7	183.6	183.6	185.7
65°	121.0	123.1	123.1	121.0	125.2	121.0	123.1	125.2	127.4	125.2	127.4
67.5°	82.0	82.0	84.3	86.4	84.3	86.4	88.5	86.4	88.5	92.9	88.5
70°	60.4	62.7	62.7	60.4	58.3	60.4	58.3	64.8	64.8	64.8	69.1
72.5°	38.8	38.8	36.7	36.7	36.7	36.7	36.7	43.2	38.8	36.7	41.1
75°	21.6	23.7	23.7	17.2	19.5	23.7	17.2	19.5	26.0	21.6	26.0
77.5°	13.0	13.0	13.0	13.0	13.0	13.0	17.2	15.1	15.1	15.1	17.2
80°	10.8	8.6	8.6	6.5	8.6	8.6	8.6	13.0	10.8	10.8	13.0
82.5°	4.4	4.4	2.1	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.6
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: P248993

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4418.5	4418.5	4416.3	4412.1	4403.4	4403.4	4401.2	4394.7	4390.5	4388.3	4388.3
5°	4396.9	4388.3	4379.6	4355.9	4355.9	4351.5	4338.6	4329.9	4325.7	4314.8	4310.6
7.5°	4377.5	4351.5	4336.4	4321.3	4301.9	4293.2	4278.1	4271.6	4256.5	4245.8	4239.3
10°	4329.9	4312.7	4293.2	4269.5	4254.4	4237.1	4219.8	4206.9	4187.4	4176.6	4168.0
12.5°	4297.6	4271.6	4254.4	4228.4	4202.6	4187.4	4163.7	4148.6	4129.1	4107.5	4094.6
15°	4267.4	4239.3	4215.5	4187.4	4159.4	4142.1	4114.0	4096.8	4068.7	4047.1	4032.0
17.5°	4222.0	4198.2	4172.3	4137.8	4111.9	4090.3	4060.0	4038.5	4012.5	3984.4	3969.3
20°	4174.5	4146.4	4120.5	4085.9	4060.0	4034.1	4003.9	3980.2	3949.8	3924.0	3906.7
22.5°	4111.9	4079.4	4057.8	4023.3	3993.0	3965.0	3937.0	3908.9	3880.8	3859.2	3839.7
25°	4021.1	3986.6	3962.8	3934.7	3906.7	3885.1	3850.6	3833.3	3805.2	3785.8	3766.3
27.5°	3891.5	3865.7	3844.1	3816.0	3792.2	3775.0	3749.0	3731.8	3708.0	3690.7	3675.6
30°	3701.6	3680.0	3660.5	3632.4	3615.2	3600.1	3576.2	3561.1	3543.9	3524.4	3520.1
32.5°	3446.7	3429.4	3410.0	3390.5	3377.6	3368.9	3349.5	3340.9	3323.6	3312.8	3302.0
35°	3062.3	3047.2	3036.4	3027.8	3023.4	3025.6	3021.3	3029.9	3034.2	3032.1	3034.2
37.5°	2559.2	2550.4	2554.8	2561.3	2582.9	2611.0	2636.8	2675.7	2701.6	2727.6	2751.3
40°	1997.6	2004.1	2021.4	2060.2	2116.4	2179.1	2237.4	2310.8	2384.2	2436.0	2483.5
42.5°	1507.4	1526.9	1570.0	1626.2	1710.4	1803.2	1894.0	2001.9	2090.5	2176.8	2237.4
45°	1133.8	1159.7	1215.8	1293.6	1386.4	1494.4	1608.9	1729.8	1835.7	1924.2	1991.1
47.5°	883.3	907.0	963.2	1045.3	1159.7	1272.0	1390.8	1516.0	1626.2	1712.6	1770.9
50°	697.5	727.7	777.4	863.8	978.3	1097.1	1220.2	1343.2	1447.0	1520.4	1572.2
52.5°	548.5	576.6	624.1	714.9	831.5	950.2	1064.6	1185.6	1276.3	1347.6	1382.2
55°	425.4	451.4	501.0	576.6	686.8	803.4	917.8	1021.5	1105.7	1157.5	1190.0
57.5°	323.9	343.4	378.0	453.5	552.9	660.8	758.1	861.7	926.5	963.2	984.7
60°	246.2	261.3	298.0	356.4	447.0	539.9	622.0	699.7	751.6	781.8	803.4
62.5°	185.7	203.0	228.9	278.6	347.7	423.3	492.4	550.7	593.9	613.3	628.5
65°	127.4	140.4	159.8	198.7	257.0	310.9	365.0	408.2	436.3	457.9	466.5
67.5°	95.0	103.6	114.5	144.7	185.7	228.9	265.6	295.8	326.1	334.8	349.9
70°	71.3	77.8	88.5	110.1	133.9	164.1	194.4	211.6	233.2	248.4	252.7
72.5°	45.3	47.5	58.3	71.3	90.7	110.1	129.6	144.7	157.7	166.3	170.6
75°	26.0	38.8	38.8	51.8	64.8	73.4	86.4	97.2	103.6	110.1	110.1
77.5°	17.2	23.7	26.0	32.4	38.8	49.7	60.4	66.9	73.4	75.6	75.6
80°	15.1	17.2	17.2	23.7	28.1	36.7	43.2	45.3	49.7	51.8	56.2
82.5°	6.5	8.6	10.8	17.2	19.5	19.5	26.0	28.1	32.4	34.6	34.6
85°	2.1	4.4	4.4	6.5	10.8	13.0	15.1	17.2	19.5	19.5	21.6
87.5°	2.1	2.1	0.0	2.1	4.4	4.4	8.6	8.6	8.6	13.0	13.0
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: P248993

CATALOG NUMBER: LSR8B70D010 EC8B70835 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8	4422.8
2.5°	4384.0	4386.1	4377.5	4375.4	4371.0	4373.1	4377.5
5°	4304.1	4306.2	4297.6	4289.0	4289.0	4286.7	4289.0
7.5°	4228.4	4230.6	4217.7	4213.3	4204.7	4206.9	4206.9
10°	4152.9	4152.9	4133.5	4131.3	4124.8	4122.6	4122.6
12.5°	4079.4	4073.0	4057.8	4049.2	4053.6	4040.6	4040.6
15°	4014.6	4003.9	3984.4	3977.9	3967.2	3962.8	3962.8
17.5°	3947.7	3939.1	3921.8	3908.9	3895.9	3893.8	3895.9
20°	3882.9	3874.3	3852.7	3844.1	3833.3	3833.3	3829.0
22.5°	3818.1	3809.5	3790.1	3783.6	3768.5	3768.5	3770.6
25°	3751.2	3744.7	3723.1	3718.8	3716.7	3708.0	3712.3
27.5°	3660.5	3656.1	3638.9	3632.4	3623.8	3621.7	3625.9
30°	3494.2	3487.7	3474.8	3468.3	3453.2	3455.3	3459.6
32.5°	3286.9	3278.3	3260.9	3254.5	3241.6	3237.2	3239.3
35°	3027.8	3021.3	3006.2	3006.2	2993.2	2988.8	2993.2
37.5°	2764.3	2770.7	2764.3	2770.7	2764.3	2762.1	2764.3
40°	2516.0	2539.7	2544.0	2567.8	2559.2	2572.0	2569.9
42.5°	2278.3	2317.2	2332.4	2351.8	2347.5	2356.1	2362.6
45°	2038.6	2071.1	2086.2	2099.1	2101.3	2105.6	2107.8
47.5°	1811.9	1837.8	1839.9	1855.1	1852.9	1852.9	1859.4
50°	1600.3	1617.5	1621.8	1632.6	1624.0	1619.7	1621.8
52.5°	1403.8	1421.0	1416.6	1421.0	1410.2	1405.9	1408.0
55°	1202.9	1211.5	1211.5	1211.5	1198.6	1198.6	1198.6
57.5°	997.7	999.9	995.6	997.7	995.6	982.6	980.5
60°	809.9	809.9	807.7	809.9	803.4	796.9	796.9
62.5°	632.7	637.1	645.7	637.1	632.7	637.1	630.6
65°	473.0	481.6	479.4	483.7	481.6	481.6	477.3
67.5°	356.4	358.5	360.6	362.9	362.9	362.9	362.9
70°	261.3	267.8	265.6	265.6	265.6	265.6	278.6
72.5°	174.9	183.6	181.4	185.7	185.7	190.0	185.7
75°	118.8	127.4	123.1	129.6	127.4	123.1	133.9
77.5°	79.9	84.3	86.4	88.5	86.4	84.3	86.4
80°	56.2	60.4	58.3	60.4	60.4	60.4	62.7
82.5°	34.6	41.1	38.8	41.1	38.8	41.1	41.1
85°	23.7	26.0	21.6	26.0	23.7	23.7	28.1
87.5°	15.1	13.0	13.0	15.1	13.0	15.1	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)