

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: P248975

Luminaire Tested: **LSR8B70D010 EC8B70827 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248975
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 EC8B70827 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6989.0 lumens
Efficiency: N/A
Efficacy: 92.1 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

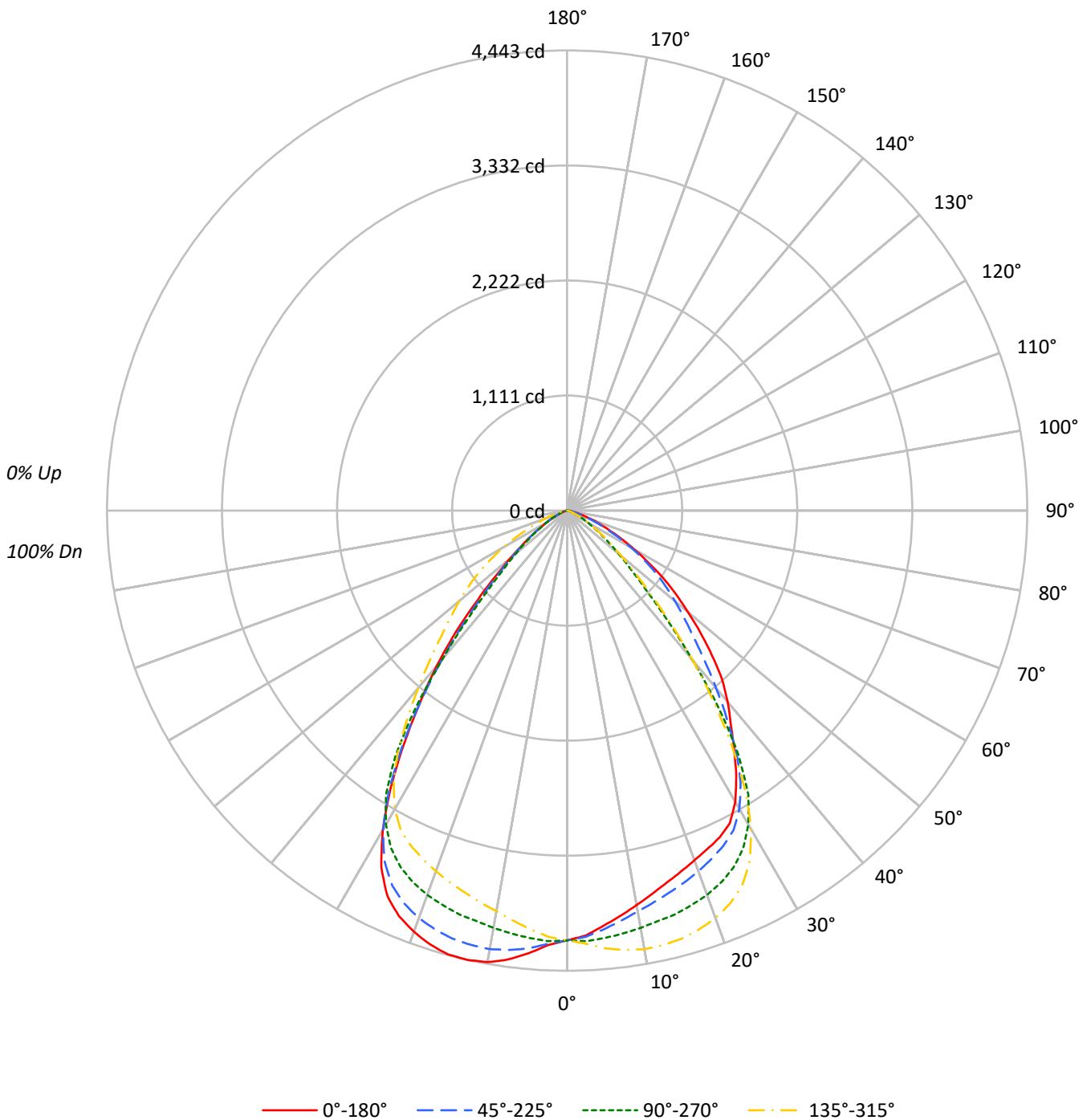
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	127943	127943	127943	127943
5°	124547	128246	132824	128246
10°	121099	128079	138609	128079
15°	118681	128836	141641	128836
20°	117873	129575	142005	129575
25°	118492	129315	139723	129315
30°	115562	124581	126820	124581
35°	105705	108679	103111	108679
40°	97048	75597	78946	75597
45°	86228	46121	53364	46121
50°	72986	30808	34214	30808
55°	60449	21021	22220	21021
60°	46106	13994	14117	13994
65°	32666	8719	7982	8719
70°	23559	5842	5301	5842
75°	14964	2895	2419	2895
80°	10442	2166	1794	2166
85°	9341	0	708	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.9	5.7
10°-20°	1143.6	16.4
20°-30°	1731.7	24.8
30°-40°	1735.6	24.8
40°-50°	1089.8	15.6
50°-60°	580.8	8.3
60°-70°	238.8	3.4
70°-80°	63.1	0.9
80°-90°	10.7	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°	3270.2	46.8
0°-40°	5005.8	71.6
0°-60°	6676.4	95.5
0°-90°	6989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6989.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4149	4149	4149	4149	4149	
5°	4024	4143	4291	4143	4024	379
15°	3718	4036	4437	4036	3718	1051
25°	3483	3801	4107	3801	3483	1597
35°	2808	2887	2739	2887	2808	1759
45°	1977	1058	1224	1058	1977	1521
55°	1124	391	413	391	1124	1002
65°	448	120	109	120	448	464
75°	126	24	20	24	126	142
85°	26	0	2	0	26	29
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°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4106.6	4102.5	4100.5	4104.6	4106.6	4114.7	4112.7	4116.7	4116.7	4118.8	4122.8
5°	4023.6	4021.5	4023.6	4023.6	4031.7	4039.7	4037.7	4043.8	4047.8	4058.0	4062.0
7.5°	3946.6	3946.6	3944.5	3952.6	3956.7	3968.9	3966.8	3976.9	3983.0	3993.1	4007.3
10°	3867.5	3867.5	3869.5	3875.6	3877.7	3895.9	3895.9	3910.1	3918.2	3928.3	3946.6
12.5°	3790.6	3790.6	3802.7	3798.7	3806.7	3820.9	3827.0	3841.2	3853.4	3873.6	3891.9
15°	3717.6	3717.6	3721.7	3731.8	3737.9	3756.1	3766.2	3782.5	3796.7	3816.9	3843.3
17.5°	3654.8	3652.8	3654.8	3667.0	3679.2	3695.3	3703.4	3723.7	3737.9	3764.2	3788.6
20°	3592.0	3596.1	3596.1	3606.2	3614.3	3634.5	3642.6	3665.0	3681.2	3705.4	3733.9
22.5°	3537.3	3535.3	3535.3	3549.5	3555.6	3573.8	3581.8	3602.1	3620.4	3640.6	3667.0
25°	3482.6	3478.5	3486.7	3488.7	3492.7	3513.0	3519.1	3533.2	3551.5	3569.8	3596.1
27.5°	3401.6	3397.6	3399.6	3407.6	3413.7	3429.9	3434.0	3448.2	3462.3	3478.5	3500.9
30°	3245.5	3241.5	3239.5	3253.7	3259.8	3271.9	3278.0	3302.3	3306.3	3324.6	3340.8
32.5°	3038.9	3036.9	3041.0	3053.1	3059.2	3075.4	3083.5	3097.7	3107.8	3117.9	3134.1
35°	2808.0	2803.9	2808.0	2820.2	2820.2	2834.3	2840.4	2846.4	2844.4	2846.4	2842.4
37.5°	2593.3	2591.2	2593.3	2599.3	2593.3	2599.3	2593.3	2581.1	2558.8	2534.5	2510.1
40°	2410.9	2412.9	2400.8	2408.9	2386.5	2382.5	2360.3	2329.8	2285.3	2236.7	2167.8
42.5°	2216.4	2210.3	2202.2	2206.2	2188.1	2173.8	2137.4	2098.9	2042.1	1961.2	1878.0
45°	1977.3	1975.3	1971.3	1969.3	1957.1	1942.9	1912.5	1867.9	1805.1	1722.1	1622.8
47.5°	1744.3	1738.3	1738.3	1740.3	1726.1	1724.1	1699.7	1661.3	1606.6	1525.5	1422.2
50°	1521.4	1519.4	1523.5	1531.6	1521.4	1517.4	1501.3	1474.9	1426.3	1357.4	1260.1
52.5°	1320.9	1318.9	1323.0	1333.1	1329.0	1333.1	1316.9	1296.6	1264.2	1197.3	1112.3
55°	1124.4	1124.4	1124.4	1136.5	1136.5	1136.5	1128.4	1116.3	1085.9	1037.3	958.3
57.5°	919.8	921.8	934.0	936.0	934.0	938.1	936.0	923.8	903.6	869.2	808.4
60°	747.6	747.6	753.7	759.8	757.7	759.8	759.8	753.7	733.4	705.1	656.4
62.5°	591.6	597.7	593.6	597.7	605.7	597.7	593.6	589.6	575.4	557.1	516.6
65°	447.7	451.8	451.8	453.8	449.7	451.8	443.7	437.6	429.5	409.3	382.9
67.5°	340.4	340.4	340.4	340.4	338.3	336.3	334.3	328.2	314.0	306.0	277.5
70°	261.3	249.2	249.2	249.2	249.2	251.3	245.2	237.1	233.0	218.8	198.6
72.5°	174.2	178.3	174.2	174.2	170.2	172.2	164.1	160.0	156.0	147.9	135.8
75°	125.6	115.5	119.5	121.6	115.5	119.5	111.4	103.3	103.3	97.2	91.1
77.5°	81.1	79.1	81.1	83.1	81.1	79.1	75.0	70.9	70.9	68.9	62.8
80°	58.8	56.7	56.7	56.7	54.7	56.7	52.7	52.7	48.6	46.6	42.5
82.5°	38.5	38.5	36.4	38.5	36.4	38.5	32.4	32.4	32.4	30.4	26.4
85°	26.4	22.3	22.3	24.3	20.3	24.3	22.3	20.3	18.3	18.3	16.2
87.5°	12.2	14.2	12.2	14.2	12.2	12.2	14.2	12.2	12.2	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4128.9	4130.9	4130.9	4139.1	4143.1	4145.1	4145.1	4161.3	4155.2	4159.3	4163.3
5°	4070.2	4082.3	4086.4	4086.4	4108.6	4116.7	4124.8	4143.1	4145.1	4157.2	4171.4
7.5°	4013.4	4027.6	4035.7	4053.9	4068.1	4082.3	4106.6	4118.8	4130.9	4147.1	4165.3
10°	3958.7	3974.9	3991.1	4005.3	4027.6	4045.8	4062.0	4090.4	4104.6	4126.9	4151.1
12.5°	3906.1	3928.3	3942.5	3966.8	3991.1	4007.3	4031.7	4058.0	4080.3	4102.5	4130.9
15°	3859.5	3885.8	3902.0	3928.3	3954.7	3976.9	4003.3	4035.7	4051.9	4078.3	4104.6
17.5°	3808.8	3837.2	3857.5	3881.7	3914.2	3938.4	3960.8	3993.1	4013.4	4041.7	4072.2
20°	3756.1	3784.5	3808.8	3833.1	3865.5	3889.8	3916.2	3948.6	3970.9	3999.2	4023.6
22.5°	3693.3	3719.7	3746.0	3774.3	3806.7	3827.0	3857.5	3885.8	3910.1	3936.4	3960.8
25°	3612.3	3644.7	3665.0	3691.3	3717.6	3739.9	3772.3	3800.7	3820.9	3845.3	3867.5
27.5°	3517.1	3541.4	3557.6	3579.8	3606.2	3626.5	3650.7	3679.2	3699.4	3721.7	3737.9
30°	3354.9	3377.3	3391.5	3407.6	3434.0	3452.3	3472.5	3498.8	3513.0	3529.2	3543.4
32.5°	3142.2	3160.5	3168.6	3180.7	3199.0	3217.2	3233.4	3255.7	3261.8	3271.9	3271.9
35°	2834.3	2838.3	2836.3	2840.4	2848.5	2858.6	2872.8	2887.0	2895.0	2895.0	2889.0
37.5°	2473.7	2449.4	2423.1	2402.8	2396.7	2392.6	2400.8	2406.8	2415.0	2419.0	2408.9
40°	2098.9	2044.2	1985.4	1932.7	1896.3	1880.1	1874.0	1878.0	1878.0	1892.2	1892.2
42.5°	1776.8	1691.6	1604.6	1525.5	1472.8	1432.4	1414.1	1414.1	1416.1	1426.3	1432.4
45°	1509.4	1402.0	1300.6	1213.6	1140.6	1087.9	1063.6	1057.6	1055.5	1059.6	1073.7
47.5°	1304.7	1193.3	1087.9	980.6	903.6	850.9	828.6	820.5	812.4	820.5	822.6
50°	1144.7	1029.2	917.8	810.4	729.3	682.7	654.4	642.2	640.2	640.2	644.3
52.5°	998.8	891.4	780.0	670.6	585.5	541.0	514.6	508.5	500.4	508.5	508.5
55°	861.0	753.7	644.3	541.0	470.0	423.5	399.1	391.0	386.9	393.0	393.0
57.5°	711.1	619.9	518.7	425.5	354.6	322.1	303.9	293.8	291.7	295.8	291.7
60°	583.5	506.5	419.4	334.3	279.6	245.2	231.0	226.9	222.8	226.9	226.9
62.5°	461.9	397.1	326.1	261.3	214.7	190.5	174.2	174.2	172.2	172.2	174.2
65°	342.4	291.7	241.1	186.4	149.9	131.7	119.5	119.5	117.5	119.5	117.5
67.5°	249.2	214.7	174.2	135.8	107.4	97.2	89.1	83.1	87.1	83.1	81.1
70°	182.4	153.9	125.6	103.3	83.1	73.0	66.9	64.8	60.8	60.8	60.8
72.5°	121.6	103.3	85.1	66.9	54.7	44.5	42.5	38.5	34.4	36.4	40.5
75°	81.1	68.9	60.8	48.6	36.4	36.4	24.3	24.3	20.3	24.3	18.3
77.5°	56.7	46.6	36.4	30.4	24.3	22.3	16.2	16.2	14.2	14.2	14.2
80°	40.5	34.4	26.4	22.3	16.2	16.2	14.2	12.2	10.1	10.1	12.2
82.5°	24.3	18.3	18.3	16.2	10.1	8.1	6.1	8.1	4.1	4.1	4.1
85°	14.2	12.2	10.1	6.1	4.1	4.1	2.0	0.0	2.0	2.0	0.0
87.5°	8.1	4.1	4.1	2.0	0.0	2.0	2.0	0.0	0.0	0.0	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4173.5	4171.4	4175.5	4175.5	4187.7	4185.6	4191.7	4191.7	4187.7	4189.7	4197.8
5°	4187.7	4193.8	4205.9	4216.0	4234.2	4242.4	4252.5	4262.6	4264.6	4270.7	4276.8
7.5°	4187.7	4207.9	4222.1	4240.3	4264.6	4278.8	4301.1	4319.3	4327.4	4337.5	4349.7
10°	4179.5	4199.8	4226.1	4246.4	4276.8	4299.1	4321.3	4349.7	4361.9	4378.1	4394.3
12.5°	4163.3	4185.6	4213.9	4240.3	4274.7	4295.0	4323.3	4349.7	4368.0	4390.2	4408.5
15°	4139.1	4165.3	4191.7	4218.0	4254.5	4278.8	4305.2	4335.5	4353.8	4378.1	4394.3
17.5°	4100.5	4128.9	4153.2	4177.5	4211.9	4240.3	4264.6	4293.0	4311.3	4331.5	4353.8
20°	4053.9	4080.3	4106.6	4126.9	4161.3	4185.6	4211.9	4238.3	4252.5	4256.6	4291.0
22.5°	3995.2	4013.4	4033.7	4066.1	4086.4	4108.6	4133.0	4157.2	4171.4	4193.8	4205.9
25°	3897.9	3916.2	3938.4	3952.6	3976.9	3995.2	4019.5	4045.8	4053.9	4070.2	4082.3
27.5°	3762.2	3772.3	3782.5	3794.6	3808.8	3818.9	3833.1	3845.3	3853.4	3861.5	3869.5
30°	3547.4	3547.4	3547.4	3539.3	3545.4	3551.5	3553.5	3551.5	3551.5	3549.5	3549.5
32.5°	3263.8	3247.6	3229.4	3213.2	3207.1	3199.0	3194.9	3188.8	3178.7	3172.7	3174.7
35°	2880.9	2844.4	2822.2	2801.9	2785.7	2773.5	2767.5	2761.4	2759.4	2751.3	2743.1
37.5°	2402.8	2376.4	2360.3	2348.1	2333.9	2321.7	2323.7	2325.8	2331.8	2327.8	2329.8
40°	1896.3	1890.2	1896.3	1882.1	1878.0	1882.1	1892.2	1906.5	1914.5	1922.6	1936.8
42.5°	1442.5	1452.6	1466.8	1466.8	1472.8	1481.0	1493.1	1515.4	1527.5	1541.7	1558.0
45°	1085.9	1098.1	1116.3	1122.3	1126.4	1136.5	1150.8	1169.0	1177.0	1189.2	1203.4
47.5°	836.7	844.8	854.9	865.1	875.2	879.3	893.4	893.4	903.6	911.7	915.7
50°	652.4	660.4	668.5	674.6	678.7	684.8	688.8	694.9	696.9	701.0	703.0
52.5°	510.5	520.7	520.7	524.7	530.8	536.9	534.9	536.9	538.9	538.9	545.0
55°	399.1	399.1	405.2	405.2	409.3	407.2	409.3	409.3	409.3	409.3	411.3
57.5°	297.8	299.9	306.0	301.9	299.9	303.9	299.9	303.9	301.9	306.0	299.9
60°	228.9	228.9	231.0	231.0	233.0	233.0	233.0	231.0	231.0	228.9	228.9
62.5°	172.2	174.2	176.3	174.2	174.2	174.2	172.2	172.2	170.2	168.1	168.1
65°	115.5	113.5	117.5	113.5	115.5	115.5	113.5	115.5	109.4	111.4	109.4
67.5°	83.1	81.1	79.1	81.1	79.1	77.0	77.0	79.1	81.1	75.0	75.0
70°	54.7	56.7	54.7	56.7	58.8	58.8	56.7	54.7	56.7	52.7	54.7
72.5°	34.4	34.4	34.4	34.4	34.4	36.4	36.4	36.4	32.4	32.4	30.4
75°	16.2	22.3	18.3	16.2	22.3	22.3	20.3	20.3	18.3	18.3	18.3
77.5°	16.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.1	12.2	10.1
80°	8.1	8.1	8.1	6.1	8.1	8.1	10.1	8.1	8.1	6.1	10.1
82.5°	4.1	4.1	4.1	0.0	2.0	4.1	4.1	2.0	4.1	4.1	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248975

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4195.8	4193.8	4195.8	4197.8	4195.8	4193.8	4195.8	4197.8	4189.7	4187.7	4191.7
5°	4284.9	4284.9	4288.9	4291.0	4288.9	4284.9	4284.9	4276.8	4270.7	4264.6	4262.6
7.5°	4361.9	4366.0	4370.0	4372.0	4370.0	4366.0	4361.9	4349.7	4337.5	4327.4	4319.3
10°	4408.5	4414.6	4422.7	4426.7	4422.7	4414.6	4408.5	4394.3	4378.1	4361.9	4349.7
12.5°	4428.8	4434.8	4444.9	4442.9	4444.9	4434.8	4428.8	4408.5	4390.2	4368.0	4349.7
15°	4414.6	4422.7	4432.8	4436.8	4432.8	4422.7	4414.6	4394.3	4378.1	4353.8	4335.5
17.5°	4370.0	4382.1	4388.2	4394.3	4388.2	4382.1	4370.0	4353.8	4331.5	4311.3	4293.0
20°	4309.2	4317.3	4325.4	4327.4	4325.4	4317.3	4309.2	4291.0	4256.6	4252.5	4238.3
22.5°	4222.1	4228.2	4246.4	4240.3	4246.4	4228.2	4222.1	4205.9	4193.8	4171.4	4157.2
25°	4096.4	4102.5	4104.6	4106.6	4104.6	4102.5	4096.4	4082.3	4070.2	4053.9	4045.8
27.5°	3879.7	3879.7	3883.7	3885.8	3883.7	3879.7	3879.7	3869.5	3861.5	3853.4	3845.3
30°	3551.5	3551.5	3551.5	3561.7	3551.5	3551.5	3551.5	3549.5	3549.5	3551.5	3551.5
32.5°	3172.7	3168.6	3164.6	3168.6	3164.6	3168.6	3172.7	3174.7	3172.7	3178.7	3188.8
35°	2743.1	2741.1	2747.2	2739.1	2747.2	2741.1	2743.1	2743.1	2751.3	2759.4	2761.4
37.5°	2331.8	2327.8	2335.9	2327.8	2335.9	2327.8	2331.8	2329.8	2327.8	2331.8	2325.8
40°	1940.9	1944.9	1944.9	1961.2	1944.9	1944.9	1940.9	1936.8	1922.6	1914.5	1906.5
42.5°	1566.1	1578.2	1574.2	1586.3	1574.2	1578.2	1566.1	1558.0	1541.7	1527.5	1515.4
45°	1211.5	1219.7	1219.7	1223.7	1219.7	1219.7	1211.5	1203.4	1189.2	1177.0	1169.0
47.5°	929.9	929.9	929.9	932.0	929.9	929.9	929.9	915.7	911.7	903.6	893.4
50°	707.1	709.1	711.1	713.2	711.1	709.1	707.1	703.0	701.0	696.9	694.9
52.5°	543.0	545.0	541.0	545.0	541.0	545.0	543.0	545.0	538.9	538.9	536.9
55°	411.3	409.3	411.3	413.3	411.3	409.3	411.3	411.3	409.3	409.3	409.3
57.5°	301.9	297.8	297.8	297.8	297.8	297.8	301.9	299.9	306.0	301.9	303.9
60°	224.9	226.9	226.9	228.9	226.9	226.9	224.9	228.9	228.9	231.0	231.0
62.5°	166.1	172.2	168.1	172.2	168.1	172.2	166.1	168.1	168.1	170.2	172.2
65°	107.4	107.4	107.4	109.4	107.4	107.4	107.4	109.4	111.4	109.4	115.5
67.5°	73.0	75.0	79.1	77.0	79.1	75.0	73.0	75.0	75.0	81.1	79.1
70°	58.8	52.7	52.7	58.8	52.7	52.7	58.8	54.7	52.7	56.7	54.7
72.5°	34.4	30.4	34.4	34.4	34.4	30.4	34.4	30.4	32.4	32.4	36.4
75°	18.3	16.2	14.2	20.3	14.2	16.2	18.3	18.3	18.3	18.3	20.3
77.5°	12.2	10.1	14.2	14.2	14.2	10.1	12.2	10.1	12.2	10.1	12.2
80°	6.1	8.1	6.1	10.1	6.1	8.1	6.1	10.1	6.1	8.1	8.1
82.5°	2.0	4.1	4.1	4.1	4.1	4.1	2.0	2.0	4.1	4.1	2.0
85°	0.0	4.1	2.0	2.0	2.0	4.1	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.0	0.0	2.0	0.0	0.0	2.0	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: P248975

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4191.7	4185.6	4187.7	4175.5	4175.5	4171.4	4173.5	4163.3	4159.3	4155.2	4161.3
5°	4252.5	4242.4	4234.2	4216.0	4205.9	4193.8	4187.7	4171.4	4157.2	4145.1	4143.1
7.5°	4301.1	4278.8	4264.6	4240.3	4222.1	4207.9	4187.7	4165.3	4147.1	4130.9	4118.8
10°	4321.3	4299.1	4276.8	4246.4	4226.1	4199.8	4179.5	4151.1	4126.9	4104.6	4090.4
12.5°	4323.3	4295.0	4274.7	4240.3	4213.9	4185.6	4163.3	4130.9	4102.5	4080.3	4058.0
15°	4305.2	4278.8	4254.5	4218.0	4191.7	4165.3	4139.1	4104.6	4078.3	4051.9	4035.7
17.5°	4264.6	4240.3	4211.9	4177.5	4153.2	4128.9	4100.5	4072.2	4041.7	4013.4	3993.1
20°	4211.9	4185.6	4161.3	4126.9	4106.6	4080.3	4053.9	4023.6	3999.2	3970.9	3948.6
22.5°	4133.0	4108.6	4086.4	4066.1	4033.7	4013.4	3995.2	3960.8	3936.4	3910.1	3885.8
25°	4019.5	3995.2	3976.9	3952.6	3938.4	3916.2	3897.9	3867.5	3845.3	3820.9	3800.7
27.5°	3833.1	3818.9	3808.8	3794.6	3782.5	3772.3	3762.2	3737.9	3721.7	3699.4	3679.2
30°	3553.5	3551.5	3545.4	3539.3	3547.4	3547.4	3547.4	3543.4	3529.2	3513.0	3498.8
32.5°	3194.9	3199.0	3207.1	3213.2	3229.4	3247.6	3263.8	3271.9	3271.9	3261.8	3255.7
35°	2767.5	2773.5	2785.7	2801.9	2822.2	2844.4	2880.9	2889.0	2895.0	2895.0	2887.0
37.5°	2323.7	2321.7	2333.9	2348.1	2360.3	2376.4	2402.8	2408.9	2419.0	2415.0	2406.8
40°	1892.2	1882.1	1878.0	1882.1	1896.3	1890.2	1896.3	1892.2	1892.2	1878.0	1878.0
42.5°	1493.1	1481.0	1472.8	1466.8	1466.8	1452.6	1442.5	1432.4	1426.3	1416.1	1414.1
45°	1150.8	1136.5	1126.4	1122.3	1116.3	1098.1	1085.9	1073.7	1059.6	1055.5	1057.6
47.5°	893.4	879.3	875.2	865.1	854.9	844.8	836.7	822.6	820.5	812.4	820.5
50°	688.8	684.8	678.7	674.6	668.5	660.4	652.4	644.3	640.2	640.2	642.2
52.5°	534.9	536.9	530.8	524.7	520.7	520.7	510.5	508.5	508.5	500.4	508.5
55°	409.3	407.2	409.3	405.2	405.2	399.1	399.1	393.0	393.0	386.9	391.0
57.5°	299.9	303.9	299.9	301.9	306.0	299.9	297.8	291.7	295.8	291.7	293.8
60°	233.0	233.0	233.0	231.0	231.0	228.9	228.9	226.9	226.9	222.8	226.9
62.5°	172.2	174.2	174.2	174.2	176.3	174.2	172.2	174.2	172.2	172.2	174.2
65°	113.5	115.5	115.5	113.5	117.5	113.5	115.5	117.5	119.5	117.5	119.5
67.5°	77.0	77.0	79.1	81.1	79.1	81.1	83.1	81.1	83.1	87.1	83.1
70°	56.7	58.8	58.8	56.7	54.7	56.7	54.7	60.8	60.8	60.8	64.8
72.5°	36.4	36.4	34.4	34.4	34.4	34.4	34.4	40.5	36.4	34.4	38.5
75°	20.3	22.3	22.3	16.2	18.3	22.3	16.2	18.3	24.3	20.3	24.3
77.5°	12.2	12.2	12.2	12.2	12.2	12.2	16.2	14.2	14.2	14.2	16.2
80°	10.1	8.1	8.1	6.1	8.1	8.1	8.1	12.2	10.1	10.1	12.2
82.5°	4.1	4.1	2.0	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248975

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4145.1	4145.1	4143.1	4139.1	4130.9	4130.9	4128.9	4122.8	4118.8	4116.7	4116.7
5°	4124.8	4116.7	4108.6	4086.4	4086.4	4082.3	4070.2	4062.0	4058.0	4047.8	4043.8
7.5°	4106.6	4082.3	4068.1	4053.9	4035.7	4027.6	4013.4	4007.3	3993.1	3983.0	3976.9
10°	4062.0	4045.8	4027.6	4005.3	3991.1	3974.9	3958.7	3946.6	3928.3	3918.2	3910.1
12.5°	4031.7	4007.3	3991.1	3966.8	3942.5	3928.3	3906.1	3891.9	3873.6	3853.4	3841.2
15°	4003.3	3976.9	3954.7	3928.3	3902.0	3885.8	3859.5	3843.3	3816.9	3796.7	3782.5
17.5°	3960.8	3938.4	3914.2	3881.7	3857.5	3837.2	3808.8	3788.6	3764.2	3737.9	3723.7
20°	3916.2	3889.8	3865.5	3833.1	3808.8	3784.5	3756.1	3733.9	3705.4	3681.2	3665.0
22.5°	3857.5	3827.0	3806.7	3774.3	3746.0	3719.7	3693.3	3667.0	3640.6	3620.4	3602.1
25°	3772.3	3739.9	3717.6	3691.3	3665.0	3644.7	3612.3	3596.1	3569.8	3551.5	3533.2
27.5°	3650.7	3626.5	3606.2	3579.8	3557.6	3541.4	3517.1	3500.9	3478.5	3462.3	3448.2
30°	3472.5	3452.3	3434.0	3407.6	3391.5	3377.3	3354.9	3340.8	3324.6	3306.3	3302.3
32.5°	3233.4	3217.2	3199.0	3180.7	3168.6	3160.5	3142.2	3134.1	3117.9	3107.8	3097.7
35°	2872.8	2858.6	2848.5	2840.4	2836.3	2838.3	2834.3	2842.4	2846.4	2844.4	2846.4
37.5°	2400.8	2392.6	2396.7	2402.8	2423.1	2449.4	2473.7	2510.1	2534.5	2558.8	2581.1
40°	1874.0	1880.1	1896.3	1932.7	1985.4	2044.2	2098.9	2167.8	2236.7	2285.3	2329.8
42.5°	1414.1	1432.4	1472.8	1525.5	1604.6	1691.6	1776.8	1878.0	1961.2	2042.1	2098.9
45°	1063.6	1087.9	1140.6	1213.6	1300.6	1402.0	1509.4	1622.8	1722.1	1805.1	1867.9
47.5°	828.6	850.9	903.6	980.6	1087.9	1193.3	1304.7	1422.2	1525.5	1606.6	1661.3
50°	654.4	682.7	729.3	810.4	917.8	1029.2	1144.7	1260.1	1357.4	1426.3	1474.9
52.5°	514.6	541.0	585.5	670.6	780.0	891.4	998.8	1112.3	1197.3	1264.2	1296.6
55°	399.1	423.5	470.0	541.0	644.3	753.7	861.0	958.3	1037.3	1085.9	1116.3
57.5°	303.9	322.1	354.6	425.5	518.7	619.9	711.1	808.4	869.2	903.6	923.8
60°	231.0	245.2	279.6	334.3	419.4	506.5	583.5	656.4	705.1	733.4	753.7
62.5°	174.2	190.5	214.7	261.3	326.1	397.1	461.9	516.6	557.1	575.4	589.6
65°	119.5	131.7	149.9	186.4	241.1	291.7	342.4	382.9	409.3	429.5	437.6
67.5°	89.1	97.2	107.4	135.8	174.2	214.7	249.2	277.5	306.0	314.0	328.2
70°	66.9	73.0	83.1	103.3	125.6	153.9	182.4	198.6	218.8	233.0	237.1
72.5°	42.5	44.5	54.7	66.9	85.1	103.3	121.6	135.8	147.9	156.0	160.0
75°	24.3	36.4	36.4	48.6	60.8	68.9	81.1	91.1	97.2	103.3	103.3
77.5°	16.2	22.3	24.3	30.4	36.4	46.6	56.7	62.8	68.9	70.9	70.9
80°	14.2	16.2	16.2	22.3	26.4	34.4	40.5	42.5	46.6	48.6	52.7
82.5°	6.1	8.1	10.1	16.2	18.3	18.3	24.3	26.4	30.4	32.4	32.4
85°	2.0	4.1	4.1	6.1	10.1	12.2	14.2	16.2	18.3	18.3	20.3
87.5°	2.0	2.0	0.0	2.0	4.1	4.1	8.1	8.1	8.1	12.2	12.2
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: P248975

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1	4149.1
2.5°	4112.7	4114.7	4106.6	4104.6	4100.5	4102.5	4106.6
5°	4037.7	4039.7	4031.7	4023.6	4023.6	4021.5	4023.6
7.5°	3966.8	3968.9	3956.7	3952.6	3944.5	3946.6	3946.6
10°	3895.9	3895.9	3877.7	3875.6	3869.5	3867.5	3867.5
12.5°	3827.0	3820.9	3806.7	3798.7	3802.7	3790.6	3790.6
15°	3766.2	3756.1	3737.9	3731.8	3721.7	3717.6	3717.6
17.5°	3703.4	3695.3	3679.2	3667.0	3654.8	3652.8	3654.8
20°	3642.6	3634.5	3614.3	3606.2	3596.1	3596.1	3592.0
22.5°	3581.8	3573.8	3555.6	3549.5	3535.3	3535.3	3537.3
25°	3519.1	3513.0	3492.7	3488.7	3486.7	3478.5	3482.6
27.5°	3434.0	3429.9	3413.7	3407.6	3399.6	3397.6	3401.6
30°	3278.0	3271.9	3259.8	3253.7	3239.5	3241.5	3245.5
32.5°	3083.5	3075.4	3059.2	3053.1	3041.0	3036.9	3038.9
35°	2840.4	2834.3	2820.2	2820.2	2808.0	2803.9	2808.0
37.5°	2593.3	2599.3	2593.3	2599.3	2593.3	2591.2	2593.3
40°	2360.3	2382.5	2386.5	2408.9	2400.8	2412.9	2410.9
42.5°	2137.4	2173.8	2188.1	2206.2	2202.2	2210.3	2216.4
45°	1912.5	1942.9	1957.1	1969.3	1971.3	1975.3	1977.3
47.5°	1699.7	1724.1	1726.1	1740.3	1738.3	1738.3	1744.3
50°	1501.3	1517.4	1521.4	1531.6	1523.5	1519.4	1521.4
52.5°	1316.9	1333.1	1329.0	1333.1	1323.0	1318.9	1320.9
55°	1128.4	1136.5	1136.5	1136.5	1124.4	1124.4	1124.4
57.5°	936.0	938.1	934.0	936.0	934.0	921.8	919.8
60°	759.8	759.8	757.7	759.8	753.7	747.6	747.6
62.5°	593.6	597.7	605.7	597.7	593.6	597.7	591.6
65°	443.7	451.8	449.7	453.8	451.8	451.8	447.7
67.5°	334.3	336.3	338.3	340.4	340.4	340.4	340.4
70°	245.2	251.3	249.2	249.2	249.2	249.2	261.3
72.5°	164.1	172.2	170.2	174.2	174.2	178.3	174.2
75°	111.4	119.5	115.5	121.6	119.5	115.5	125.6
77.5°	75.0	79.1	81.1	83.1	81.1	79.1	81.1
80°	52.7	56.7	54.7	56.7	56.7	56.7	58.8
82.5°	32.4	38.5	36.4	38.5	36.4	38.5	38.5
85°	22.3	24.3	20.3	24.3	22.3	22.3	26.4
87.5°	14.2	12.2	12.2	14.2	12.2	14.2	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)