

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: P248960

Luminaire Tested: **LSR8B100D010 EC8B100927 8LBSW0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248960
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: LSR8B100D010 EC8B100927 8LBSW0B
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6510.4 lumens
Efficiency: N/A
Efficacy: 61.2 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

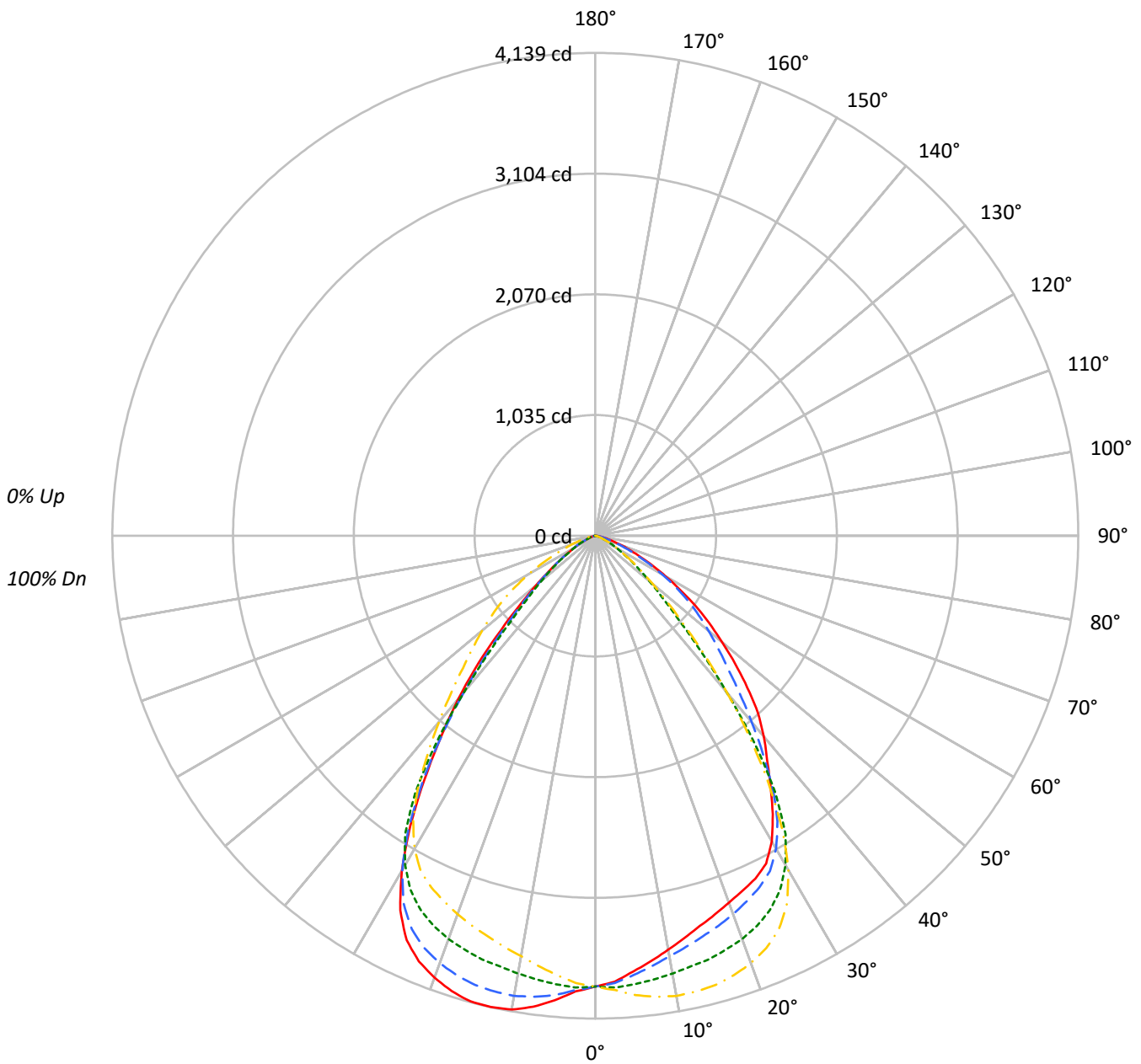
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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°	367.9	5.7
10°-20°	1065.3	16.4
20°-30°	1613.1	24.8
30°-40°	1616.7	24.8
40°-50°	1015.2	15.6
50°-60°	541.0	8.3
60°-70°	222.5	3.4
70°-80°	58.8	0.9
80°-90°	9.9	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°	3046.3	46.8
0°-40°	4663.0	71.6
0°-60°	6219.2	95.5
0°-90°	6510.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6510.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3865	3865	3865	3865	3865	
5°	3748	3859	3997	3859	3748	353
15°	3463	3759	4133	3759	3463	979
25°	3244	3540	3825	3540	3244	1488
35°	2616	2689	2552	2689	2616	1639
45°	1842	985	1140	985	1842	1417
55°	1047	364	385	364	1047	934
65°	417	111	102	111	417	433
75°	117	23	19	23	117	133
85°	24	0	2	0	24	27
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°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3825.3	3821.6	3819.7	3823.5	3825.3	3832.9	3831.1	3834.8	3834.8	3836.7	3840.4
5°	3748.0	3746.0	3748.0	3748.0	3755.6	3763.1	3761.2	3767.0	3770.7	3780.1	3783.8
7.5°	3676.3	3676.3	3674.4	3681.9	3685.7	3697.1	3695.2	3704.6	3710.2	3719.7	3732.9
10°	3602.7	3602.7	3604.5	3610.2	3612.2	3629.1	3629.1	3642.3	3649.8	3659.3	3676.3
12.5°	3531.0	3531.0	3542.3	3538.5	3546.0	3559.3	3564.9	3578.2	3589.4	3608.3	3625.3
15°	3463.0	3463.0	3466.8	3476.2	3481.9	3498.9	3508.3	3523.5	3536.7	3555.6	3580.1
17.5°	3404.5	3402.7	3404.5	3415.8	3427.2	3442.3	3449.8	3468.7	3481.9	3506.4	3529.1
20°	3346.0	3349.8	3349.8	3359.2	3366.8	3385.7	3393.2	3414.0	3429.1	3451.7	3478.2
22.5°	3295.1	3293.2	3293.2	3306.4	3312.1	3329.0	3336.5	3355.4	3372.4	3391.3	3415.8
25°	3244.2	3240.3	3247.9	3249.8	3253.5	3272.4	3278.0	3291.3	3308.3	3325.3	3349.8
27.5°	3168.6	3164.8	3166.8	3174.3	3179.9	3195.0	3198.8	3212.0	3225.3	3240.3	3261.2
30°	3023.3	3019.5	3017.7	3030.9	3036.6	3047.8	3053.5	3076.2	3079.9	3096.9	3112.0
32.5°	2830.8	2828.9	2832.8	2844.0	2849.6	2864.8	2872.4	2885.5	2895.0	2904.4	2919.5
35°	2615.7	2611.9	2615.7	2627.0	2627.0	2640.3	2645.9	2651.5	2649.6	2651.5	2647.8
37.5°	2415.7	2413.7	2415.7	2421.2	2415.7	2421.2	2415.7	2404.4	2383.5	2360.9	2338.2
40°	2245.8	2247.6	2236.4	2243.9	2223.1	2219.4	2198.6	2170.2	2128.8	2083.5	2019.4
42.5°	2064.6	2059.0	2051.4	2055.2	2038.3	2024.9	1991.0	1955.1	1902.3	1826.9	1749.4
45°	1842.0	1840.0	1836.2	1834.4	1823.1	1809.9	1781.4	1740.0	1681.5	1604.1	1511.7
47.5°	1624.8	1619.2	1619.2	1621.1	1607.9	1606.0	1583.3	1547.6	1496.6	1421.1	1324.8
50°	1417.3	1415.4	1419.2	1426.7	1417.3	1413.6	1398.5	1374.0	1328.6	1264.5	1173.8
52.5°	1230.4	1228.6	1232.3	1241.8	1238.0	1241.8	1226.7	1207.8	1177.6	1115.3	1036.1
55°	1047.4	1047.4	1047.4	1058.7	1058.7	1058.7	1051.2	1039.8	1011.5	966.3	892.7
57.5°	856.8	858.7	870.0	871.9	870.0	873.8	871.9	860.5	841.7	809.7	753.1
60°	696.4	696.4	702.1	707.7	705.8	707.7	707.7	702.1	683.2	656.8	611.4
62.5°	551.0	556.8	552.9	556.8	564.3	556.8	552.9	549.2	535.9	519.0	481.3
65°	417.0	420.9	420.9	422.8	419.0	420.9	413.3	407.7	400.2	381.3	356.7
67.5°	317.1	317.1	317.1	317.1	315.1	313.3	311.4	305.8	292.5	285.0	258.5
70°	243.4	232.1	232.1	232.1	232.1	234.0	228.4	220.8	217.0	203.8	185.0
72.5°	162.2	166.0	162.2	162.2	158.5	160.4	152.9	149.1	145.4	137.8	126.4
75°	117.0	107.6	111.3	113.3	107.6	111.3	103.7	96.3	96.3	90.6	84.9
77.5°	75.5	73.7	75.5	77.4	75.5	73.7	69.9	66.0	66.0	64.1	58.5
80°	54.8	52.9	52.9	52.9	51.0	52.9	49.1	49.1	45.3	43.4	39.6
82.5°	35.9	35.9	34.0	35.9	34.0	35.9	30.3	30.3	30.3	28.2	24.5
85°	24.5	20.7	20.7	22.7	18.9	22.7	20.7	18.9	17.0	17.0	15.1
87.5°	11.4	13.2	11.4	13.2	11.4	11.4	13.2	11.4	11.4	7.5	7.5
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°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3846.2	3848.0	3848.0	3855.6	3859.3	3861.2	3861.2	3876.3	3870.7	3874.5	3878.2
5°	3791.5	3802.7	3806.6	3806.6	3827.2	3834.8	3842.3	3859.3	3861.2	3872.6	3885.8
7.5°	3738.5	3751.8	3759.4	3776.3	3789.4	3802.7	3825.3	3836.7	3848.0	3863.1	3880.1
10°	3687.6	3702.7	3717.8	3731.1	3751.8	3768.8	3783.8	3810.3	3823.5	3844.2	3866.8
12.5°	3638.6	3659.3	3672.6	3695.2	3717.8	3732.9	3755.6	3780.1	3800.8	3821.6	3848.0
15°	3595.2	3619.7	3634.8	3659.3	3683.8	3704.6	3729.2	3759.4	3774.4	3799.0	3823.5
17.5°	3547.9	3574.4	3593.2	3615.9	3646.1	3668.7	3689.6	3719.7	3738.5	3764.9	3793.3
20°	3498.9	3525.3	3547.9	3570.6	3600.8	3623.4	3647.9	3678.2	3698.9	3725.3	3748.0
22.5°	3440.4	3465.0	3489.4	3515.8	3546.0	3564.9	3593.2	3619.7	3642.3	3666.8	3689.6
25°	3364.9	3395.1	3414.0	3438.4	3463.0	3483.8	3513.9	3540.4	3559.3	3581.9	3602.7
27.5°	3276.2	3298.8	3313.9	3334.7	3359.2	3378.2	3400.8	3427.2	3446.1	3466.8	3481.9
30°	3125.1	3146.0	3159.2	3174.3	3198.8	3215.8	3234.7	3259.2	3272.4	3287.6	3300.8
32.5°	2927.0	2944.0	2951.5	2962.9	2979.9	2996.9	3012.0	3032.8	3038.4	3047.8	3047.8
35°	2640.3	2644.0	2642.1	2645.9	2653.4	2662.9	2676.0	2689.2	2696.7	2696.7	2691.2
37.5°	2304.2	2281.7	2257.1	2238.3	2232.6	2228.7	2236.4	2242.0	2249.5	2253.3	2243.9
40°	1955.1	1904.2	1849.5	1800.3	1766.5	1751.4	1745.7	1749.4	1749.4	1762.6	1762.6
42.5°	1655.1	1575.8	1494.7	1421.1	1371.9	1334.2	1317.3	1317.3	1319.2	1328.6	1334.2
45°	1406.0	1305.9	1211.5	1130.5	1062.4	1013.4	990.8	985.2	983.2	987.0	1000.2
47.5°	1215.3	1111.6	1013.4	913.4	841.7	792.7	771.9	764.3	756.8	764.3	766.2
50°	1066.3	958.7	854.9	754.9	679.4	636.0	609.5	598.2	596.4	596.4	600.2
52.5°	930.4	830.4	726.6	624.7	545.4	503.9	479.4	473.7	466.2	473.7	473.7
55°	802.0	702.1	600.2	503.9	437.8	394.4	371.8	364.3	360.4	366.1	366.1
57.5°	662.4	577.5	483.2	396.3	330.3	300.0	283.0	273.7	271.7	275.5	271.7
60°	543.5	471.8	390.6	311.4	260.4	228.4	215.2	211.4	207.6	211.4	211.4
62.5°	430.3	369.9	303.8	243.4	200.0	177.4	162.2	162.2	160.4	160.4	162.2
65°	318.9	271.7	224.6	173.6	139.6	122.6	111.3	111.3	109.5	111.3	109.5
67.5°	232.1	200.0	162.2	126.4	100.0	90.6	83.0	77.4	81.2	77.4	75.5
70°	169.9	143.4	117.0	96.3	77.4	68.0	62.3	60.4	56.6	56.6	56.6
72.5°	113.3	96.3	79.2	62.3	51.0	41.5	39.6	35.9	32.1	34.0	37.8
75°	75.5	64.1	56.6	45.3	34.0	34.0	22.7	22.7	18.9	22.7	17.0
77.5°	52.9	43.4	34.0	28.2	22.7	20.7	15.1	15.1	13.2	13.2	13.2
80°	37.8	32.1	24.5	20.7	15.1	15.1	13.2	11.4	9.5	9.5	11.4
82.5°	22.7	17.0	17.0	15.1	9.5	7.5	5.6	7.5	3.8	3.8	3.8
85°	13.2	11.4	9.5	5.6	3.8	3.8	1.9	0.0	1.9	1.9	0.0
87.5°	7.5	3.8	3.8	1.9	0.0	1.9	1.9	0.0	0.0	0.0	3.8
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°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3887.7	3885.8	3889.6	3889.6	3900.9	3898.9	3904.6	3904.6	3900.9	3902.7	3910.3
5°	3900.9	3906.6	3917.8	3927.3	3944.2	3951.9	3961.2	3970.7	3972.6	3978.2	3984.0
7.5°	3900.9	3919.7	3933.0	3949.9	3972.6	3985.8	4006.6	4023.6	4031.1	4040.4	4051.8
10°	3893.3	3912.2	3936.7	3955.6	3984.0	4004.7	4025.4	4051.8	4063.2	4078.2	4093.4
12.5°	3878.2	3898.9	3925.4	3949.9	3981.9	4000.8	4027.3	4051.8	4068.8	4089.6	4106.6
15°	3855.6	3880.1	3904.6	3929.2	3963.2	3985.8	4010.3	4038.6	4055.6	4078.2	4093.4
17.5°	3819.7	3846.2	3868.8	3891.4	3923.6	3949.9	3972.6	3999.0	4016.0	4034.9	4055.6
20°	3776.3	3800.8	3825.3	3844.2	3876.3	3898.9	3923.6	3948.1	3961.2	3965.1	3997.1
22.5°	3721.6	3738.5	3757.4	3787.6	3806.6	3827.2	3850.0	3872.6	3885.8	3906.6	3917.8
25°	3630.9	3647.9	3668.7	3681.9	3704.6	3721.6	3744.2	3768.8	3776.3	3791.5	3802.7
27.5°	3504.6	3513.9	3523.5	3534.8	3547.9	3557.4	3570.6	3581.9	3589.4	3597.0	3604.5
30°	3304.5	3304.5	3304.5	3296.9	3302.7	3308.3	3310.1	3308.3	3308.3	3306.4	3306.4
32.5°	3040.3	3025.2	3008.2	2993.2	2987.4	2979.9	2976.1	2970.5	2961.0	2955.4	2957.3
35°	2683.6	2649.6	2628.9	2610.0	2594.9	2583.6	2577.9	2572.3	2570.4	2562.9	2555.2
37.5°	2238.3	2213.7	2198.6	2187.3	2174.1	2162.7	2164.6	2166.5	2172.2	2168.4	2170.2
40°	1766.5	1760.7	1766.5	1753.2	1749.4	1753.2	1762.6	1775.9	1783.5	1791.0	1804.2
42.5°	1343.7	1353.0	1366.4	1366.4	1371.9	1379.6	1390.8	1411.6	1422.9	1436.2	1451.2
45°	1011.5	1022.8	1039.8	1045.5	1049.3	1058.7	1072.0	1088.9	1096.4	1107.8	1121.0
47.5°	779.4	786.9	796.4	805.8	815.3	819.0	832.3	832.3	841.7	849.3	853.0
50°	607.7	615.3	622.8	628.4	632.2	637.9	641.6	647.3	649.1	652.9	654.9
52.5°	475.5	485.0	485.0	488.8	494.4	500.1	498.3	500.1	502.0	502.0	507.6
55°	371.8	371.8	377.4	377.4	381.3	379.3	381.3	381.3	381.3	381.3	383.1
57.5°	277.4	279.3	285.0	281.2	279.3	283.0	279.3	283.0	281.2	285.0	279.3
60°	213.2	213.2	215.2	215.2	217.0	217.0	217.0	215.2	215.2	213.2	213.2
62.5°	160.4	162.2	164.2	162.2	162.2	162.2	160.4	160.4	158.5	156.6	156.6
65°	107.6	105.8	109.5	105.8	107.6	107.6	105.8	107.6	101.9	103.7	101.9
67.5°	77.4	75.5	73.7	75.5	73.7	71.7	71.7	73.7	75.5	69.9	69.9
70°	51.0	52.9	51.0	52.9	54.8	54.8	52.9	51.0	52.9	49.1	51.0
72.5°	32.1	32.1	32.1	32.1	32.1	34.0	34.0	34.0	30.3	30.3	28.2
75°	15.1	20.7	17.0	15.1	20.7	20.7	18.9	18.9	17.0	17.0	17.0
77.5°	15.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.5	11.4	9.5
80°	7.5	7.5	7.5	5.6	7.5	7.5	9.5	7.5	7.5	5.6	9.5
82.5°	3.8	3.8	3.8	0.0	1.9	3.8	3.8	1.9	3.8	3.8	1.9
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: P248960

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3908.5	3906.6	3908.5	3910.3	3908.5	3906.6	3908.5	3910.3	3902.7	3900.9	3904.6
5°	3991.5	3991.5	3995.2	3997.1	3995.2	3991.5	3991.5	3984.0	3978.2	3972.6	3970.7
7.5°	4063.2	4067.0	4070.7	4072.6	4070.7	4067.0	4063.2	4051.8	4040.4	4031.1	4023.6
10°	4106.6	4112.2	4119.8	4123.6	4119.8	4112.2	4106.6	4093.4	4078.2	4063.2	4051.8
12.5°	4125.5	4131.1	4140.6	4138.7	4140.6	4131.1	4125.5	4106.6	4089.6	4068.8	4051.8
15°	4112.2	4119.8	4129.2	4133.0	4129.2	4119.8	4112.2	4093.4	4078.2	4055.6	4038.6
17.5°	4070.7	4082.1	4087.7	4093.4	4087.7	4082.1	4070.7	4055.6	4034.9	4016.0	3999.0
20°	4014.1	4021.6	4029.2	4031.1	4029.2	4021.6	4014.1	3997.1	3965.1	3961.2	3948.1
22.5°	3933.0	3938.6	3955.6	3949.9	3955.6	3938.6	3933.0	3917.8	3906.6	3885.8	3872.6
25°	3815.9	3821.6	3823.5	3825.3	3823.5	3821.6	3815.9	3802.7	3791.5	3776.3	3768.8
27.5°	3614.1	3614.1	3617.8	3619.7	3617.8	3614.1	3614.1	3604.5	3597.0	3589.4	3581.9
30°	3308.3	3308.3	3308.3	3317.7	3308.3	3308.3	3308.3	3306.4	3306.4	3308.3	3308.3
32.5°	2955.4	2951.5	2947.8	2951.5	2947.8	2951.5	2955.4	2957.3	2955.4	2961.0	2970.5
35°	2555.2	2553.4	2559.0	2551.5	2559.0	2553.4	2555.2	2555.2	2562.9	2570.4	2572.3
37.5°	2172.2	2168.4	2176.0	2168.4	2176.0	2168.4	2172.2	2170.2	2168.4	2172.2	2166.5
40°	1808.0	1811.7	1811.7	1826.9	1811.7	1811.7	1808.0	1804.2	1791.0	1783.5	1775.9
42.5°	1458.8	1470.1	1466.3	1477.7	1466.3	1470.1	1458.8	1451.2	1436.2	1422.9	1411.6
45°	1128.5	1136.1	1136.1	1139.9	1136.1	1136.1	1128.5	1121.0	1107.8	1096.4	1088.9
47.5°	866.2	866.2	866.2	868.2	866.2	866.2	866.2	853.0	849.3	841.7	832.3
50°	658.7	660.5	662.4	664.3	662.4	660.5	658.7	654.9	652.9	649.1	647.3
52.5°	505.8	507.6	503.9	507.6	503.9	507.6	505.8	507.6	502.0	502.0	500.1
55°	383.1	381.3	383.1	385.0	383.1	381.3	383.1	383.1	381.3	381.3	381.3
57.5°	281.2	277.4	277.4	277.4	277.4	277.4	281.2	279.3	285.0	281.2	283.0
60°	209.5	211.4	211.4	213.2	211.4	211.4	209.5	213.2	213.2	215.2	215.2
62.5°	154.7	160.4	156.6	160.4	156.6	160.4	154.7	156.6	156.6	158.5	160.4
65°	100.0	100.0	100.0	101.9	100.0	100.0	100.0	101.9	103.7	101.9	107.6
67.5°	68.0	69.9	73.7	71.7	73.7	69.9	68.0	69.9	69.9	75.5	73.7
70°	54.8	49.1	49.1	54.8	49.1	49.1	54.8	51.0	49.1	52.9	51.0
72.5°	32.1	28.2	32.1	32.1	32.1	28.2	32.1	28.2	30.3	30.3	34.0
75°	17.0	15.1	13.2	18.9	13.2	15.1	17.0	17.0	17.0	17.0	18.9
77.5°	11.4	9.5	13.2	13.2	13.2	9.5	11.4	9.5	11.4	9.5	11.4
80°	5.6	7.5	5.6	9.5	5.6	7.5	5.6	9.5	5.6	7.5	7.5
82.5°	1.9	3.8	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	1.9
85°	0.0	3.8	1.9	1.9	1.9	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.0	0.0	1.9	0.0	0.0	1.9	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: P248960

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3904.6	3898.9	3900.9	3889.6	3889.6	3885.8	3887.7	3878.2	3874.5	3870.7	3876.3
5°	3961.2	3951.9	3944.2	3927.3	3917.8	3906.6	3900.9	3885.8	3872.6	3861.2	3859.3
7.5°	4006.6	3985.8	3972.6	3949.9	3933.0	3919.7	3900.9	3880.1	3863.1	3848.0	3836.7
10°	4025.4	4004.7	3984.0	3955.6	3936.7	3912.2	3893.3	3866.8	3844.2	3823.5	3810.3
12.5°	4027.3	4000.8	3981.9	3949.9	3925.4	3898.9	3878.2	3848.0	3821.6	3800.8	3780.1
15°	4010.3	3985.8	3963.2	3929.2	3904.6	3880.1	3855.6	3823.5	3799.0	3774.4	3759.4
17.5°	3972.6	3949.9	3923.6	3891.4	3868.8	3846.2	3819.7	3793.3	3764.9	3738.5	3719.7
20°	3923.6	3898.9	3876.3	3844.2	3825.3	3800.8	3776.3	3748.0	3725.3	3698.9	3678.2
22.5°	3850.0	3827.2	3806.6	3787.6	3757.4	3738.5	3721.6	3689.6	3666.8	3642.3	3619.7
25°	3744.2	3721.6	3704.6	3681.9	3668.7	3647.9	3630.9	3602.7	3581.9	3559.3	3540.4
27.5°	3570.6	3557.4	3547.9	3534.8	3523.5	3513.9	3504.6	3481.9	3466.8	3446.1	3427.2
30°	3310.1	3308.3	3302.7	3296.9	3304.5	3304.5	3304.5	3300.8	3287.6	3272.4	3259.2
32.5°	2976.1	2979.9	2987.4	2993.2	3008.2	3025.2	3040.3	3047.8	3047.8	3038.4	3032.8
35°	2577.9	2583.6	2594.9	2610.0	2628.9	2649.6	2683.6	2691.2	2696.7	2696.7	2689.2
37.5°	2164.6	2162.7	2174.1	2187.3	2198.6	2213.7	2238.3	2243.9	2253.3	2249.5	2242.0
40°	1762.6	1753.2	1749.4	1753.2	1766.5	1760.7	1766.5	1762.6	1762.6	1749.4	1749.4
42.5°	1390.8	1379.6	1371.9	1366.4	1366.4	1353.0	1343.7	1334.2	1328.6	1319.2	1317.3
45°	1072.0	1058.7	1049.3	1045.5	1039.8	1022.8	1011.5	1000.2	987.0	983.2	985.2
47.5°	832.3	819.0	815.3	805.8	796.4	786.9	779.4	766.2	764.3	756.8	764.3
50°	641.6	637.9	632.2	628.4	622.8	615.3	607.7	600.2	596.4	596.4	598.2
52.5°	498.3	500.1	494.4	488.8	485.0	485.0	475.5	473.7	473.7	466.2	473.7
55°	381.3	379.3	381.3	377.4	377.4	371.8	371.8	366.1	366.1	360.4	364.3
57.5°	279.3	283.0	279.3	281.2	285.0	279.3	277.4	271.7	275.5	271.7	273.7
60°	217.0	217.0	217.0	215.2	215.2	213.2	213.2	211.4	211.4	207.6	211.4
62.5°	160.4	162.2	162.2	162.2	164.2	162.2	160.4	162.2	160.4	160.4	162.2
65°	105.8	107.6	107.6	105.8	109.5	105.8	107.6	109.5	111.3	109.5	111.3
67.5°	71.7	71.7	73.7	75.5	73.7	75.5	77.4	75.5	77.4	81.2	77.4
70°	52.9	54.8	54.8	52.9	51.0	52.9	51.0	56.6	56.6	56.6	60.4
72.5°	34.0	34.0	32.1	32.1	32.1	32.1	32.1	37.8	34.0	32.1	35.9
75°	18.9	20.7	20.7	15.1	17.0	20.7	15.1	17.0	22.7	18.9	22.7
77.5°	11.4	11.4	11.4	11.4	11.4	11.4	15.1	13.2	13.2	13.2	15.1
80°	9.5	7.5	7.5	5.6	7.5	7.5	7.5	11.4	9.5	9.5	11.4
82.5°	3.8	3.8	1.9	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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: P248960

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3861.2	3861.2	3859.3	3855.6	3848.0	3848.0	3846.2	3840.4	3836.7	3834.8	3834.8
5°	3842.3	3834.8	3827.2	3806.6	3806.6	3802.7	3791.5	3783.8	3780.1	3770.7	3767.0
7.5°	3825.3	3802.7	3789.4	3776.3	3759.4	3751.8	3738.5	3732.9	3719.7	3710.2	3704.6
10°	3783.8	3768.8	3751.8	3731.1	3717.8	3702.7	3687.6	3676.3	3659.3	3649.8	3642.3
12.5°	3755.6	3732.9	3717.8	3695.2	3672.6	3659.3	3638.6	3625.3	3608.3	3589.4	3578.2
15°	3729.2	3704.6	3683.8	3659.3	3634.8	3619.7	3595.2	3580.1	3555.6	3536.7	3523.5
17.5°	3689.6	3668.7	3646.1	3615.9	3593.2	3574.4	3547.9	3529.1	3506.4	3481.9	3468.7
20°	3647.9	3623.4	3600.8	3570.6	3547.9	3525.3	3498.9	3478.2	3451.7	3429.1	3414.0
22.5°	3593.2	3564.9	3546.0	3515.8	3489.4	3465.0	3440.4	3415.8	3391.3	3372.4	3355.4
25°	3513.9	3483.8	3463.0	3438.4	3414.0	3395.1	3364.9	3349.8	3325.3	3308.3	3291.3
27.5°	3400.8	3378.2	3359.2	3334.7	3313.9	3298.8	3276.2	3261.2	3240.3	3225.3	3212.0
30°	3234.7	3215.8	3198.8	3174.3	3159.2	3146.0	3125.1	3112.0	3096.9	3079.9	3076.2
32.5°	3012.0	2996.9	2979.9	2962.9	2951.5	2944.0	2927.0	2919.5	2904.4	2895.0	2885.5
35°	2676.0	2662.9	2653.4	2645.9	2642.1	2644.0	2640.3	2647.8	2651.5	2649.6	2651.5
37.5°	2236.4	2228.7	2232.6	2238.3	2257.1	2281.7	2304.2	2338.2	2360.9	2383.5	2404.4
40°	1745.7	1751.4	1766.5	1800.3	1849.5	1904.2	1955.1	2019.4	2083.5	2128.8	2170.2
42.5°	1317.3	1334.2	1371.9	1421.1	1494.7	1575.8	1655.1	1749.4	1826.9	1902.3	1955.1
45°	990.8	1013.4	1062.4	1130.5	1211.5	1305.9	1406.0	1511.7	1604.1	1681.5	1740.0
47.5°	771.9	792.7	841.7	913.4	1013.4	1111.6	1215.3	1324.8	1421.1	1496.6	1547.6
50°	609.5	636.0	679.4	754.9	854.9	958.7	1066.3	1173.8	1264.5	1328.6	1374.0
52.5°	479.4	503.9	545.4	624.7	726.6	830.4	930.4	1036.1	1115.3	1177.6	1207.8
55°	371.8	394.4	437.8	503.9	600.2	702.1	802.0	892.7	966.3	1011.5	1039.8
57.5°	283.0	300.0	330.3	396.3	483.2	577.5	662.4	753.1	809.7	841.7	860.5
60°	215.2	228.4	260.4	311.4	390.6	471.8	543.5	611.4	656.8	683.2	702.1
62.5°	162.2	177.4	200.0	243.4	303.8	369.9	430.3	481.3	519.0	535.9	549.2
65°	111.3	122.6	139.6	173.6	224.6	271.7	318.9	356.7	381.3	400.2	407.7
67.5°	83.0	90.6	100.0	126.4	162.2	200.0	232.1	258.5	285.0	292.5	305.8
70°	62.3	68.0	77.4	96.3	117.0	143.4	169.9	185.0	203.8	217.0	220.8
72.5°	39.6	41.5	51.0	62.3	79.2	96.3	113.3	126.4	137.8	145.4	149.1
75°	22.7	34.0	34.0	45.3	56.6	64.1	75.5	84.9	90.6	96.3	96.3
77.5°	15.1	20.7	22.7	28.2	34.0	43.4	52.9	58.5	64.1	66.0	66.0
80°	13.2	15.1	15.1	20.7	24.5	32.1	37.8	39.6	43.4	45.3	49.1
82.5°	5.6	7.5	9.5	15.1	17.0	17.0	22.7	24.5	28.2	30.3	30.3
85°	1.9	3.8	3.8	5.6	9.5	11.4	13.2	15.1	17.0	17.0	18.9
87.5°	1.9	1.9	0.0	1.9	3.8	3.8	7.5	7.5	7.5	11.4	11.4
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: P248960

CATALOG NUMBER: LSR8B100D010 EC8B100927 8LBSW0B

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0	3865.0
2.5°	3831.1	3832.9	3825.3	3823.5	3819.7	3821.6	3825.3
5°	3761.2	3763.1	3755.6	3748.0	3748.0	3746.0	3748.0
7.5°	3695.2	3697.1	3685.7	3681.9	3674.4	3676.3	3676.3
10°	3629.1	3629.1	3612.2	3610.2	3604.5	3602.7	3602.7
12.5°	3564.9	3559.3	3546.0	3538.5	3542.3	3531.0	3531.0
15°	3508.3	3498.9	3481.9	3476.2	3466.8	3463.0	3463.0
17.5°	3449.8	3442.3	3427.2	3415.8	3404.5	3402.7	3404.5
20°	3393.2	3385.7	3366.8	3359.2	3349.8	3349.8	3346.0
22.5°	3336.5	3329.0	3312.1	3306.4	3293.2	3293.2	3295.1
25°	3278.0	3272.4	3253.5	3249.8	3247.9	3240.3	3244.2
27.5°	3198.8	3195.0	3179.9	3174.3	3166.8	3164.8	3168.6
30°	3053.5	3047.8	3036.6	3030.9	3017.7	3019.5	3023.3
32.5°	2872.4	2864.8	2849.6	2844.0	2832.8	2828.9	2830.8
35°	2645.9	2640.3	2627.0	2627.0	2615.7	2611.9	2615.7
37.5°	2415.7	2421.2	2415.7	2421.2	2415.7	2413.7	2415.7
40°	2198.6	2219.4	2223.1	2243.9	2236.4	2247.6	2245.8
42.5°	1991.0	2024.9	2038.3	2055.2	2051.4	2059.0	2064.6
45°	1781.4	1809.9	1823.1	1834.4	1836.2	1840.0	1842.0
47.5°	1583.3	1606.0	1607.9	1621.1	1619.2	1619.2	1624.8
50°	1398.5	1413.6	1417.3	1426.7	1419.2	1415.4	1417.3
52.5°	1226.7	1241.8	1238.0	1241.8	1232.3	1228.6	1230.4
55°	1051.2	1058.7	1058.7	1058.7	1047.4	1047.4	1047.4
57.5°	871.9	873.8	870.0	871.9	870.0	858.7	856.8
60°	707.7	707.7	705.8	707.7	702.1	696.4	696.4
62.5°	552.9	556.8	564.3	556.8	552.9	556.8	551.0
65°	413.3	420.9	419.0	422.8	420.9	420.9	417.0
67.5°	311.4	313.3	315.1	317.1	317.1	317.1	317.1
70°	228.4	234.0	232.1	232.1	232.1	232.1	243.4
72.5°	152.9	160.4	158.5	162.2	162.2	166.0	162.2
75°	103.7	111.3	107.6	113.3	111.3	107.6	117.0
77.5°	69.9	73.7	75.5	77.4	75.5	73.7	75.5
80°	49.1	52.9	51.0	52.9	52.9	52.9	54.8
82.5°	30.3	35.9	34.0	35.9	34.0	35.9	35.9
85°	20.7	22.7	18.9	22.7	20.7	20.7	24.5
87.5°	13.2	11.4	11.4	13.2	11.4	13.2	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)