

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: P248933

Luminaire Tested: **LSR8B100D010 EC8B100935 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248933  
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 EC8B100935 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7087.0 lumens  
Efficiency: N/A  
Efficacy: 66.7 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

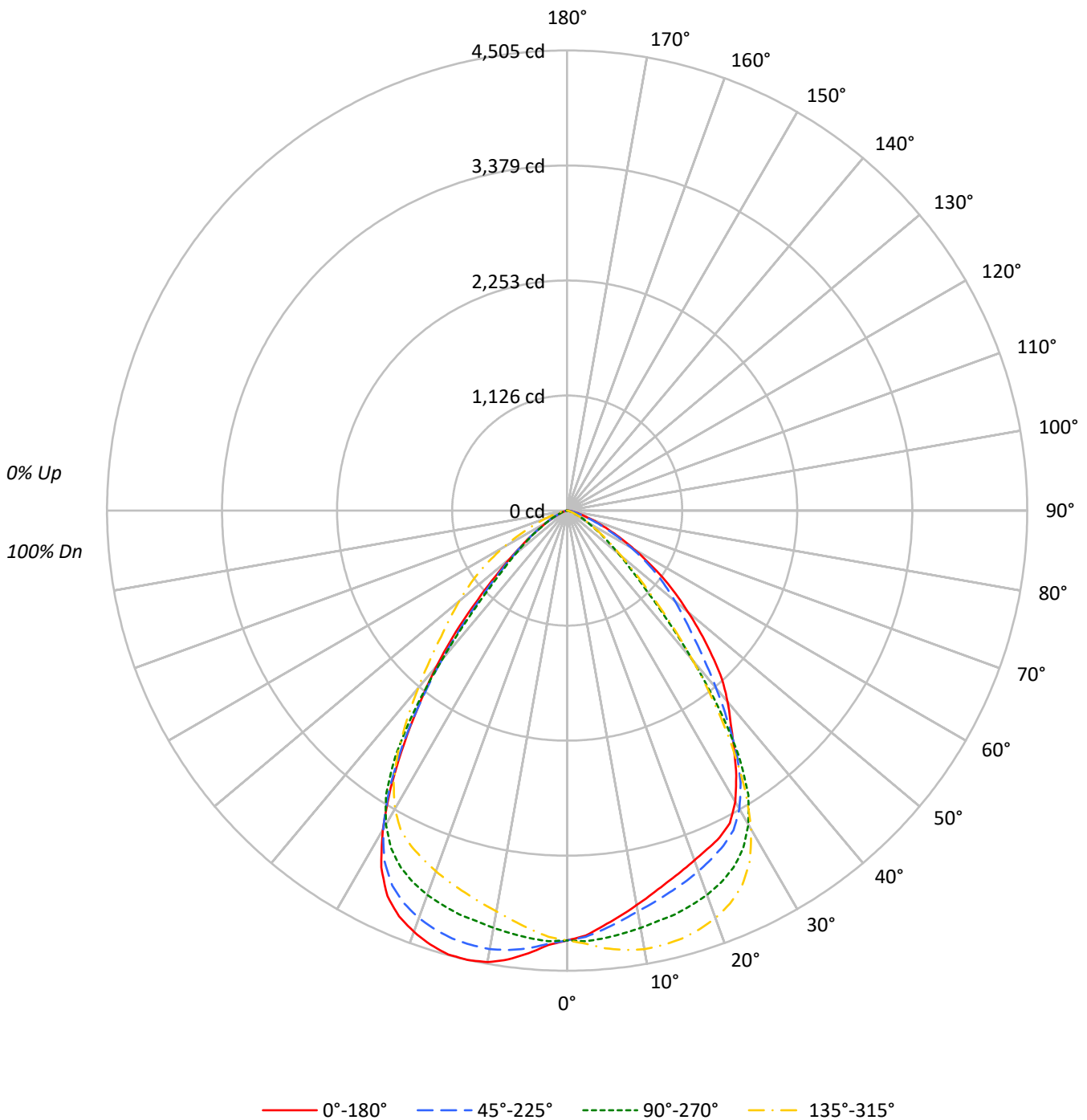
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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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°	129738	129738	129738	129738
5°	126293	130044	134687	130044
10°	122799	129873	140550	129873
15°	120344	130643	143630	130643
20°	119527	131393	143997	131393
25°	120153	131129	141683	131129
30°	117182	126329	128597	126329
35°	107188	110200	104557	110200
40°	98409	76660	80053	76660
45°	87441	46766	54110	46766
50°	74012	31240	34694	31240
55°	61299	21316	22531	21316
60°	46754	14191	14314	14191
65°	33126	8843	8092	8843
70°	23892	5923	5373	5923
75°	15167	2943	2442	2943
80°	10584	2184	1811	2184
85°	9447	0	708	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.5	5.7
10°-20°	1159.7	16.4
20°-30°	1756.0	24.8
30°-40°	1759.9	24.8
40°-50°	1105.1	15.6
50°-60°	588.9	8.3
60°-70°	242.2	3.4
70°-80°	64.0	0.9
80°-90°	10.8	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°	3316.1	46.8
0°-40°	5076.0	71.6
0°-60°	6770.0	95.5
0°-90°	7087.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7087.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4207	4207	4207	4207	4207	
5°	4080	4201	4351	4201	4080	385
15°	3770	4092	4499	4092	3770	1066
25°	3531	3854	4164	3854	3531	1620
35°	2847	2927	2778	2927	2847	1784
45°	2005	1072	1241	1072	2005	1542
55°	1140	396	419	396	1140	1017
65°	454	121	111	121	454	471
75°	127	25	20	25	127	144
85°	27	0	2	0	27	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°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4164.2	4160.1	4158.0	4162.2	4164.2	4172.4	4170.4	4174.4	4174.4	4176.5	4180.6
5°	4080.0	4077.9	4080.0	4080.0	4088.2	4096.4	4094.4	4100.5	4104.6	4114.9	4119.0
7.5°	4001.9	4001.9	3999.8	4008.0	4012.2	4024.5	4022.4	4032.7	4038.9	4049.1	4063.5
10°	3921.8	3921.8	3923.8	3930.0	3932.1	3950.5	3950.5	3964.9	3973.1	3983.4	4001.9
12.5°	3843.7	3843.7	3856.1	3851.9	3860.1	3874.5	3880.7	3895.1	3907.4	3927.9	3946.5
15°	3769.7	3769.7	3773.9	3784.1	3790.3	3808.8	3819.0	3835.5	3849.9	3870.4	3897.2
17.5°	3706.1	3704.0	3706.1	3718.4	3730.8	3747.2	3755.4	3775.9	3790.3	3817.0	3841.7
20°	3642.4	3646.5	3646.5	3656.8	3665.0	3685.5	3693.7	3716.4	3732.8	3757.4	3786.2
22.5°	3586.9	3584.9	3584.9	3599.3	3605.4	3623.9	3632.1	3652.6	3671.1	3691.7	3718.4
25°	3531.4	3527.3	3535.6	3537.6	3541.7	3562.2	3568.4	3582.8	3601.3	3619.8	3646.5
27.5°	3449.3	3445.2	3447.2	3455.4	3461.6	3478.0	3482.1	3496.5	3510.9	3527.3	3550.0
30°	3291.0	3287.0	3285.0	3299.3	3305.5	3317.8	3323.9	3348.6	3352.7	3371.2	3387.6
32.5°	3081.5	3079.5	3083.6	3095.9	3102.1	3118.5	3126.7	3141.1	3151.4	3161.7	3178.1
35°	2847.4	2843.2	2847.4	2859.7	2859.7	2874.1	2880.3	2886.3	2884.3	2886.3	2882.3
37.5°	2629.6	2627.5	2629.6	2635.7	2629.6	2635.7	2629.6	2617.3	2594.7	2570.0	2545.3
40°	2444.7	2446.7	2434.5	2442.7	2420.0	2415.9	2393.4	2362.5	2317.3	2268.0	2198.2
42.5°	2247.5	2241.3	2233.1	2237.2	2218.7	2204.3	2167.3	2128.4	2070.8	1988.7	1904.4
45°	2005.1	2003.0	1998.9	1996.9	1984.5	1970.1	1939.3	1894.1	1830.5	1746.2	1645.5
47.5°	1768.8	1762.6	1762.6	1764.7	1750.3	1748.3	1723.6	1684.6	1629.1	1546.9	1442.2
50°	1542.8	1540.8	1544.9	1553.1	1542.8	1538.7	1522.3	1495.6	1446.3	1376.5	1277.8
52.5°	1339.4	1337.4	1341.5	1351.8	1347.6	1351.8	1335.4	1314.8	1281.9	1214.1	1127.9
55°	1140.2	1140.2	1140.2	1152.5	1152.5	1152.5	1144.3	1132.0	1101.1	1051.8	971.8
57.5°	932.7	934.7	947.1	949.1	947.1	951.2	949.1	936.7	916.3	881.4	819.7
60°	758.1	758.1	764.2	770.4	768.3	770.4	770.4	764.2	743.7	714.9	665.7
62.5°	599.9	606.0	601.9	606.0	614.2	606.0	601.9	597.8	583.5	564.9	523.8
65°	454.0	458.1	458.1	460.2	456.0	458.1	449.9	443.8	435.6	415.0	388.3
67.5°	345.2	345.2	345.2	345.2	343.1	341.0	339.0	332.8	318.4	310.2	281.4
70°	265.0	252.7	252.7	252.7	252.7	254.8	248.6	240.4	236.3	221.9	201.3
72.5°	176.6	180.8	176.6	176.6	172.6	174.6	166.4	162.3	158.2	150.0	137.7
75°	127.3	117.1	121.2	123.3	117.1	121.2	113.0	104.8	104.8	98.6	92.4
77.5°	82.2	80.2	82.2	84.2	82.2	80.2	76.0	71.9	71.9	69.8	63.7
80°	59.6	57.5	57.5	57.5	55.5	57.5	53.4	53.4	49.3	47.3	43.1
82.5°	39.1	39.1	37.0	39.1	37.0	39.1	32.9	32.9	32.9	30.8	26.7
85°	26.7	22.6	22.6	24.7	20.5	24.7	22.6	20.5	18.5	18.5	16.4
87.5°	12.3	14.4	12.3	14.4	12.3	12.3	14.4	12.3	12.3	8.2	8.2
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°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4186.8	4188.8	4188.8	4197.1	4201.2	4203.2	4203.2	4219.7	4213.5	4217.6	4221.7
5°	4127.2	4139.5	4143.7	4143.7	4166.2	4174.4	4182.6	4201.2	4203.2	4215.5	4229.9
7.5°	4069.7	4084.0	4092.3	4110.8	4125.1	4139.5	4164.2	4176.5	4188.8	4205.3	4223.7
10°	4014.2	4030.7	4047.1	4061.5	4084.0	4102.6	4119.0	4147.7	4162.2	4184.8	4209.4
12.5°	3960.8	3983.4	3997.8	4022.4	4047.1	4063.5	4088.2	4114.9	4137.5	4160.1	4188.8
15°	3913.6	3940.3	3956.7	3983.4	4010.1	4032.7	4059.4	4092.3	4108.7	4135.5	4162.2
17.5°	3862.2	3891.0	3911.5	3936.1	3969.0	3993.6	4016.3	4049.1	4069.7	4098.4	4129.3
20°	3808.8	3837.6	3862.2	3886.8	3919.7	3944.3	3971.1	4004.0	4026.5	4055.3	4080.0
22.5°	3745.1	3771.8	3798.5	3827.2	3860.1	3880.7	3911.5	3940.3	3964.9	3991.6	4016.3
25°	3662.9	3695.8	3716.4	3743.0	3769.7	3792.3	3825.2	3854.0	3874.5	3899.2	3921.8
27.5°	3566.4	3591.1	3607.5	3630.0	3656.8	3677.3	3701.9	3730.8	3751.3	3773.9	3790.3
30°	3402.0	3424.6	3439.0	3455.4	3482.1	3500.7	3521.2	3547.9	3562.2	3578.7	3593.1
32.5°	3186.3	3204.8	3213.0	3225.3	3243.9	3262.3	3278.8	3301.4	3307.5	3317.8	3317.8
35°	2874.1	2878.1	2876.1	2880.3	2888.5	2898.7	2913.1	2927.4	2935.6	2935.6	2929.6
37.5°	2508.4	2483.8	2457.0	2436.5	2430.3	2426.2	2434.5	2440.5	2448.8	2452.9	2442.7
40°	2128.4	2072.9	2013.3	1959.8	1922.9	1906.5	1900.3	1904.4	1904.4	1918.7	1918.7
42.5°	1801.7	1715.4	1627.1	1546.9	1493.5	1452.5	1434.0	1434.0	1436.0	1446.3	1452.5
45°	1530.5	1421.6	1318.9	1230.6	1156.6	1103.2	1078.6	1072.4	1070.4	1074.4	1088.8
47.5°	1323.0	1210.0	1103.2	994.3	916.3	862.8	840.3	832.0	823.8	832.0	834.1
50°	1160.7	1043.6	930.7	821.7	739.6	692.3	663.5	651.2	649.2	649.2	653.3
52.5°	1012.8	903.9	791.0	680.0	593.7	548.5	521.8	515.6	507.4	515.6	515.6
55°	873.1	764.2	653.3	548.5	476.6	429.4	404.7	396.5	392.4	398.5	398.5
57.5°	721.1	628.6	526.0	431.4	359.5	326.7	308.1	297.9	295.8	299.9	295.8
60°	591.7	513.6	425.2	339.0	283.5	248.6	234.2	230.1	225.9	230.1	230.1
62.5°	468.4	402.7	330.7	265.0	217.7	193.1	176.6	176.6	174.6	174.6	176.6
65°	347.2	295.8	244.5	189.0	152.0	133.5	121.2	121.2	119.1	121.2	119.1
67.5°	252.7	217.7	176.6	137.7	108.9	98.6	90.4	84.2	88.4	84.2	82.2
70°	184.9	156.1	127.3	104.8	84.2	74.0	67.8	65.7	61.6	61.6	61.6
72.5°	123.3	104.8	86.3	67.8	55.5	45.2	43.1	39.1	34.9	37.0	41.1
75°	82.2	69.8	61.6	49.3	37.0	37.0	24.7	24.7	20.5	24.7	18.5
77.5°	57.5	47.3	37.0	30.8	24.7	22.6	16.4	16.4	14.4	14.4	14.4
80°	41.1	34.9	26.7	22.6	16.4	16.4	14.4	12.3	10.2	10.2	12.3
82.5°	24.7	18.5	18.5	16.4	10.2	8.2	6.2	8.2	4.1	4.1	4.1
85°	14.4	12.3	10.2	6.2	4.1	4.1	2.0	0.0	2.0	2.0	0.0
87.5°	8.2	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°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4232.0	4229.9	4234.0	4234.0	4246.4	4244.3	4250.5	4250.5	4246.4	4248.4	4256.6
5°	4246.4	4252.6	4264.8	4275.1	4293.6	4301.9	4312.1	4322.4	4324.4	4330.6	4336.8
7.5°	4246.4	4266.9	4281.3	4299.8	4324.4	4338.8	4361.4	4379.9	4388.1	4398.3	4410.7
10°	4238.1	4258.7	4285.4	4305.9	4336.8	4359.4	4381.9	4410.7	4423.0	4439.4	4455.9
12.5°	4221.7	4244.3	4273.0	4299.8	4334.7	4355.2	4384.0	4410.7	4429.2	4451.8	4470.3
15°	4197.1	4223.7	4250.5	4277.2	4314.1	4338.8	4365.5	4396.3	4414.8	4439.4	4455.9
17.5°	4158.0	4186.8	4211.5	4236.1	4271.0	4299.8	4324.4	4353.2	4371.7	4392.3	4414.8
20°	4110.8	4137.5	4164.2	4184.8	4219.7	4244.3	4271.0	4297.7	4312.1	4316.2	4351.2
22.5°	4051.2	4069.7	4090.2	4123.1	4143.7	4166.2	4190.9	4215.5	4229.9	4252.6	4264.8
25°	3952.6	3971.1	3993.6	4008.0	4032.7	4051.2	4075.8	4102.6	4110.8	4127.2	4139.5
27.5°	3815.0	3825.2	3835.5	3847.8	3862.2	3872.5	3886.8	3899.2	3907.4	3915.6	3923.8
30°	3597.1	3597.1	3597.1	3588.9	3595.1	3601.3	3603.3	3601.3	3601.3	3599.3	3599.3
32.5°	3309.6	3293.2	3274.6	3258.2	3252.1	3243.9	3239.7	3233.5	3223.3	3217.1	3219.2
35°	2921.3	2884.3	2861.7	2841.2	2824.8	2812.4	2806.3	2800.1	2798.1	2789.9	2781.6
37.5°	2436.5	2409.8	2393.4	2381.0	2366.6	2354.3	2356.3	2358.4	2364.5	2360.5	2362.5
40°	1922.9	1916.7	1922.9	1908.5	1904.4	1908.5	1918.7	1933.2	1941.4	1949.6	1964.0
42.5°	1462.7	1472.9	1487.4	1487.4	1493.5	1501.8	1514.0	1536.7	1549.0	1563.3	1579.8
45°	1101.1	1113.5	1132.0	1138.1	1142.2	1152.5	1166.9	1185.4	1193.6	1205.9	1220.3
47.5°	848.5	856.7	866.9	877.2	887.4	891.6	906.0	906.0	916.3	924.5	928.5
50°	661.5	669.7	677.9	684.1	688.2	694.4	698.5	704.6	706.7	710.8	712.8
52.5°	517.7	528.0	528.0	532.0	538.2	544.4	542.4	544.4	546.4	546.4	552.6
55°	404.7	404.7	410.9	410.9	415.0	412.9	415.0	415.0	415.0	415.0	417.0
57.5°	302.0	304.1	310.2	306.1	304.1	308.1	304.1	308.1	306.1	310.2	304.1
60°	232.1	232.1	234.2	234.2	236.3	236.3	236.3	234.2	234.2	232.1	232.1
62.5°	174.6	176.6	178.8	176.6	176.6	176.6	174.6	174.6	172.6	170.5	170.5
65°	117.1	115.1	119.1	115.1	117.1	117.1	115.1	117.1	110.9	113.0	110.9
67.5°	84.2	82.2	80.2	82.2	80.2	78.0	78.0	80.2	82.2	76.0	76.0
70°	55.5	57.5	55.5	57.5	59.6	59.6	57.5	55.5	57.5	53.4	55.5
72.5°	34.9	34.9	34.9	34.9	34.9	37.0	37.0	37.0	32.9	32.9	30.8
75°	16.4	22.6	18.5	16.4	22.6	22.6	20.5	20.5	18.5	18.5	18.5
77.5°	16.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.2	12.3	10.2
80°	8.2	8.2	8.2	6.2	8.2	8.2	10.2	8.2	8.2	6.2	10.2
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: P248933

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4254.6	4252.6	4254.6	4256.6	4254.6	4252.6	4254.6	4256.6	4248.4	4246.4	4250.5
5°	4345.0	4345.0	4349.0	4351.2	4349.0	4345.0	4345.0	4336.8	4330.6	4324.4	4322.4
7.5°	4423.0	4427.2	4431.2	4433.3	4431.2	4427.2	4423.0	4410.7	4398.3	4388.1	4379.9
10°	4470.3	4476.5	4484.7	4488.7	4484.7	4476.5	4470.3	4455.9	4439.4	4423.0	4410.7
12.5°	4490.9	4497.0	4507.3	4505.2	4507.3	4497.0	4490.9	4470.3	4451.8	4429.2	4410.7
15°	4476.5	4484.7	4494.9	4499.1	4494.9	4484.7	4476.5	4455.9	4439.4	4414.8	4396.3
17.5°	4431.2	4443.6	4449.8	4455.9	4449.8	4443.6	4431.2	4414.8	4392.3	4371.7	4353.2
20°	4369.6	4377.9	4386.1	4388.1	4386.1	4377.9	4369.6	4351.2	4316.2	4312.1	4297.7
22.5°	4281.3	4287.5	4305.9	4299.8	4305.9	4287.5	4281.3	4264.8	4252.6	4229.9	4215.5
25°	4153.9	4160.1	4162.2	4164.2	4162.2	4160.1	4153.9	4139.5	4127.2	4110.8	4102.6
27.5°	3934.1	3934.1	3938.2	3940.3	3938.2	3934.1	3934.1	3923.8	3915.6	3907.4	3899.2
30°	3601.3	3601.3	3601.3	3611.6	3601.3	3601.3	3601.3	3599.3	3599.3	3601.3	3601.3
32.5°	3217.1	3213.0	3208.9	3213.0	3208.9	3213.0	3217.1	3219.2	3217.1	3223.3	3233.5
35°	2781.6	2779.5	2785.7	2777.5	2785.7	2779.5	2781.6	2781.6	2789.9	2798.1	2800.1
37.5°	2364.5	2360.5	2368.7	2360.5	2368.7	2360.5	2364.5	2362.5	2360.5	2364.5	2358.4
40°	1968.1	1972.2	1972.2	1988.7	1972.2	1972.2	1968.1	1964.0	1949.6	1941.4	1933.2
42.5°	1588.0	1600.4	1596.2	1608.6	1596.2	1600.4	1588.0	1579.8	1563.3	1549.0	1536.7
45°	1228.5	1236.8	1236.8	1240.8	1236.8	1236.8	1228.5	1220.3	1205.9	1193.6	1185.4
47.5°	942.9	942.9	942.9	945.0	942.9	942.9	942.9	928.5	924.5	916.3	906.0
50°	717.0	719.0	721.1	723.2	721.1	719.0	717.0	712.8	710.8	706.7	704.6
52.5°	550.6	552.6	548.5	552.6	548.5	552.6	550.6	552.6	546.4	546.4	544.4
55°	417.0	415.0	417.0	419.1	417.0	415.0	417.0	417.0	415.0	415.0	415.0
57.5°	306.1	302.0	302.0	302.0	302.0	302.0	306.1	304.1	310.2	306.1	308.1
60°	228.1	230.1	230.1	232.1	230.1	230.1	228.1	232.1	232.1	234.2	234.2
62.5°	168.4	174.6	170.5	174.6	170.5	174.6	168.4	170.5	170.5	172.6	174.6
65°	108.9	108.9	108.9	110.9	108.9	108.9	108.9	110.9	113.0	110.9	117.1
67.5°	74.0	76.0	80.2	78.0	80.2	76.0	74.0	76.0	76.0	82.2	80.2
70°	59.6	53.4	53.4	59.6	53.4	53.4	59.6	55.5	53.4	57.5	55.5
72.5°	34.9	30.8	34.9	34.9	34.9	30.8	34.9	30.8	32.9	32.9	37.0
75°	18.5	16.4	14.4	20.5	14.4	16.4	18.5	18.5	18.5	18.5	20.5
77.5°	12.3	10.2	14.4	14.4	14.4	10.2	12.3	10.2	12.3	10.2	12.3
80°	6.2	8.2	6.2	10.2	6.2	8.2	6.2	10.2	6.2	8.2	8.2
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: P248933

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4250.5	4244.3	4246.4	4234.0	4234.0	4229.9	4232.0	4221.7	4217.6	4213.5	4219.7
5°	4312.1	4301.9	4293.6	4275.1	4264.8	4252.6	4246.4	4229.9	4215.5	4203.2	4201.2
7.5°	4361.4	4338.8	4324.4	4299.8	4281.3	4266.9	4246.4	4223.7	4205.3	4188.8	4176.5
10°	4381.9	4359.4	4336.8	4305.9	4285.4	4258.7	4238.1	4209.4	4184.8	4162.2	4147.7
12.5°	4384.0	4355.2	4334.7	4299.8	4273.0	4244.3	4221.7	4188.8	4160.1	4137.5	4114.9
15°	4365.5	4338.8	4314.1	4277.2	4250.5	4223.7	4197.1	4162.2	4135.5	4108.7	4092.3
17.5°	4324.4	4299.8	4271.0	4236.1	4211.5	4186.8	4158.0	4129.3	4098.4	4069.7	4049.1
20°	4271.0	4244.3	4219.7	4184.8	4164.2	4137.5	4110.8	4080.0	4055.3	4026.5	4004.0
22.5°	4190.9	4166.2	4143.7	4123.1	4090.2	4069.7	4051.2	4016.3	3991.6	3964.9	3940.3
25°	4075.8	4051.2	4032.7	4008.0	3993.6	3971.1	3952.6	3921.8	3899.2	3874.5	3854.0
27.5°	3886.8	3872.5	3862.2	3847.8	3835.5	3825.2	3815.0	3790.3	3773.9	3751.3	3730.8
30°	3603.3	3601.3	3595.1	3588.9	3597.1	3597.1	3597.1	3593.1	3578.7	3562.2	3547.9
32.5°	3239.7	3243.9	3252.1	3258.2	3274.6	3293.2	3309.6	3317.8	3317.8	3307.5	3301.4
35°	2806.3	2812.4	2824.8	2841.2	2861.7	2884.3	2921.3	2929.6	2935.6	2935.6	2927.4
37.5°	2356.3	2354.3	2366.6	2381.0	2393.4	2409.8	2436.5	2442.7	2452.9	2448.8	2440.5
40°	1918.7	1908.5	1904.4	1908.5	1922.9	1916.7	1922.9	1918.7	1918.7	1904.4	1904.4
42.5°	1514.0	1501.8	1493.5	1487.4	1487.4	1472.9	1462.7	1452.5	1446.3	1436.0	1434.0
45°	1166.9	1152.5	1142.2	1138.1	1132.0	1113.5	1101.1	1088.8	1074.4	1070.4	1072.4
47.5°	906.0	891.6	887.4	877.2	866.9	856.7	848.5	834.1	832.0	823.8	832.0
50°	698.5	694.4	688.2	684.1	677.9	669.7	661.5	653.3	649.2	649.2	651.2
52.5°	542.4	544.4	538.2	532.0	528.0	528.0	517.7	515.6	515.6	507.4	515.6
55°	415.0	412.9	415.0	410.9	410.9	404.7	404.7	398.5	398.5	392.4	396.5
57.5°	304.1	308.1	304.1	306.1	310.2	304.1	302.0	295.8	299.9	295.8	297.9
60°	236.3	236.3	236.3	234.2	234.2	232.1	232.1	230.1	230.1	225.9	230.1
62.5°	174.6	176.6	176.6	176.6	178.8	176.6	174.6	176.6	174.6	174.6	176.6
65°	115.1	117.1	117.1	115.1	119.1	115.1	117.1	119.1	121.2	119.1	121.2
67.5°	78.0	78.0	80.2	82.2	80.2	82.2	84.2	82.2	84.2	88.4	84.2
70°	57.5	59.6	59.6	57.5	55.5	57.5	55.5	61.6	61.6	61.6	65.7
72.5°	37.0	37.0	34.9	34.9	34.9	34.9	34.9	41.1	37.0	34.9	39.1
75°	20.5	22.6	22.6	16.4	18.5	22.6	16.4	18.5	24.7	20.5	24.7
77.5°	12.3	12.3	12.3	12.3	12.3	12.3	16.4	14.4	14.4	14.4	16.4
80°	10.2	8.2	8.2	6.2	8.2	8.2	8.2	12.3	10.2	10.2	12.3
82.5°	4.1	4.1	2.0	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.2
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: P248933

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4203.2	4203.2	4201.2	4197.1	4188.8	4188.8	4186.8	4180.6	4176.5	4174.4	4174.4
5°	4182.6	4174.4	4166.2	4143.7	4143.7	4139.5	4127.2	4119.0	4114.9	4104.6	4100.5
7.5°	4164.2	4139.5	4125.1	4110.8	4092.3	4084.0	4069.7	4063.5	4049.1	4038.9	4032.7
10°	4119.0	4102.6	4084.0	4061.5	4047.1	4030.7	4014.2	4001.9	3983.4	3973.1	3964.9
12.5°	4088.2	4063.5	4047.1	4022.4	3997.8	3983.4	3960.8	3946.5	3927.9	3907.4	3895.1
15°	4059.4	4032.7	4010.1	3983.4	3956.7	3940.3	3913.6	3897.2	3870.4	3849.9	3835.5
17.5°	4016.3	3993.6	3969.0	3936.1	3911.5	3891.0	3862.2	3841.7	3817.0	3790.3	3775.9
20°	3971.1	3944.3	3919.7	3886.8	3862.2	3837.6	3808.8	3786.2	3757.4	3732.8	3716.4
22.5°	3911.5	3880.7	3860.1	3827.2	3798.5	3771.8	3745.1	3718.4	3691.7	3671.1	3652.6
25°	3825.2	3792.3	3769.7	3743.0	3716.4	3695.8	3662.9	3646.5	3619.8	3601.3	3582.8
27.5°	3701.9	3677.3	3656.8	3630.0	3607.5	3591.1	3566.4	3550.0	3527.3	3510.9	3496.5
30°	3521.2	3500.7	3482.1	3455.4	3439.0	3424.6	3402.0	3387.6	3371.2	3352.7	3348.6
32.5°	3278.8	3262.3	3243.9	3225.3	3213.0	3204.8	3186.3	3178.1	3161.7	3151.4	3141.1
35°	2913.1	2898.7	2888.5	2880.3	2876.1	2878.1	2874.1	2882.3	2886.3	2884.3	2886.3
37.5°	2434.5	2426.2	2430.3	2436.5	2457.0	2483.8	2508.4	2545.3	2570.0	2594.7	2617.3
40°	1900.3	1906.5	1922.9	1959.8	2013.3	2072.9	2128.4	2198.2	2268.0	2317.3	2362.5
42.5°	1434.0	1452.5	1493.5	1546.9	1627.1	1715.4	1801.7	1904.4	1988.7	2070.8	2128.4
45°	1078.6	1103.2	1156.6	1230.6	1318.9	1421.6	1530.5	1645.5	1746.2	1830.5	1894.1
47.5°	840.3	862.8	916.3	994.3	1103.2	1210.0	1323.0	1442.2	1546.9	1629.1	1684.6
50°	663.5	692.3	739.6	821.7	930.7	1043.6	1160.7	1277.8	1376.5	1446.3	1495.6
52.5°	521.8	548.5	593.7	680.0	791.0	903.9	1012.8	1127.9	1214.1	1281.9	1314.8
55°	404.7	429.4	476.6	548.5	653.3	764.2	873.1	971.8	1051.8	1101.1	1132.0
57.5°	308.1	326.7	359.5	431.4	526.0	628.6	721.1	819.7	881.4	916.3	936.7
60°	234.2	248.6	283.5	339.0	425.2	513.6	591.7	665.7	714.9	743.7	764.2
62.5°	176.6	193.1	217.7	265.0	330.7	402.7	468.4	523.8	564.9	583.5	597.8
65°	121.2	133.5	152.0	189.0	244.5	295.8	347.2	388.3	415.0	435.6	443.8
67.5°	90.4	98.6	108.9	137.7	176.6	217.7	252.7	281.4	310.2	318.4	332.8
70°	67.8	74.0	84.2	104.8	127.3	156.1	184.9	201.3	221.9	236.3	240.4
72.5°	43.1	45.2	55.5	67.8	86.3	104.8	123.3	137.7	150.0	158.2	162.3
75°	24.7	37.0	37.0	49.3	61.6	69.8	82.2	92.4	98.6	104.8	104.8
77.5°	16.4	22.6	24.7	30.8	37.0	47.3	57.5	63.7	69.8	71.9	71.9
80°	14.4	16.4	16.4	22.6	26.7	34.9	41.1	43.1	47.3	49.3	53.4
82.5°	6.2	8.2	10.2	16.4	18.5	18.5	24.7	26.7	30.8	32.9	32.9
85°	2.0	4.1	4.1	6.2	10.2	12.3	14.4	16.4	18.5	18.5	20.5
87.5°	2.0	2.0	0.0	2.0	4.1	4.1	8.2	8.2	8.2	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248933

CATALOG NUMBER: LSR8B100D010 EC8B100935 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3	4207.3
2.5°	4170.4	4172.4	4164.2	4162.2	4158.0	4160.1	4164.2
5°	4094.4	4096.4	4088.2	4080.0	4080.0	4077.9	4080.0
7.5°	4022.4	4024.5	4012.2	4008.0	3999.8	4001.9	4001.9
10°	3950.5	3950.5	3932.1	3930.0	3923.8	3921.8	3921.8
12.5°	3880.7	3874.5	3860.1	3851.9	3856.1	3843.7	3843.7
15°	3819.0	3808.8	3790.3	3784.1	3773.9	3769.7	3769.7
17.5°	3755.4	3747.2	3730.8	3718.4	3706.1	3704.0	3706.1
20°	3693.7	3685.5	3665.0	3656.8	3646.5	3646.5	3642.4
22.5°	3632.1	3623.9	3605.4	3599.3	3584.9	3584.9	3586.9
25°	3568.4	3562.2	3541.7	3537.6	3535.6	3527.3	3531.4
27.5°	3482.1	3478.0	3461.6	3455.4	3447.2	3445.2	3449.3
30°	3323.9	3317.8	3305.5	3299.3	3285.0	3287.0	3291.0
32.5°	3126.7	3118.5	3102.1	3095.9	3083.6	3079.5	3081.5
35°	2880.3	2874.1	2859.7	2859.7	2847.4	2843.2	2847.4
37.5°	2629.6	2635.7	2629.6	2635.7	2629.6	2627.5	2629.6
40°	2393.4	2415.9	2420.0	2442.7	2434.5	2446.7	2444.7
42.5°	2167.3	2204.3	2218.7	2237.2	2233.1	2241.3	2247.5
45°	1939.3	1970.1	1984.5	1996.9	1998.9	2003.0	2005.1
47.5°	1723.6	1748.3	1750.3	1764.7	1762.6	1762.6	1768.8
50°	1522.3	1538.7	1542.8	1553.1	1544.9	1540.8	1542.8
52.5°	1335.4	1351.8	1347.6	1351.8	1341.5	1337.4	1339.4
55°	1144.3	1152.5	1152.5	1152.5	1140.2	1140.2	1140.2
57.5°	949.1	951.2	947.1	949.1	947.1	934.7	932.7
60°	770.4	770.4	768.3	770.4	764.2	758.1	758.1
62.5°	601.9	606.0	614.2	606.0	601.9	606.0	599.9
65°	449.9	458.1	456.0	460.2	458.1	458.1	454.0
67.5°	339.0	341.0	343.1	345.2	345.2	345.2	345.2
70°	248.6	254.8	252.7	252.7	252.7	252.7	265.0
72.5°	166.4	174.6	172.6	176.6	176.6	180.8	176.6
75°	113.0	121.2	117.1	123.3	121.2	117.1	127.3
77.5°	76.0	80.2	82.2	84.2	82.2	80.2	82.2
80°	53.4	57.5	55.5	57.5	57.5	57.5	59.6
82.5°	32.9	39.1	37.0	39.1	37.0	39.1	39.1
85°	22.6	24.7	20.5	24.7	22.6	22.6	26.7
87.5°	14.4	12.3	12.3	14.4	12.3	14.4	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)