

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: P248715

Luminaire Tested: **LSR8B80D010 EC8B80935 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248715  
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: LSR8B80D010 EC8B80935 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7076.0 lumens  
Efficiency: N/A  
Efficacy: 95.1 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

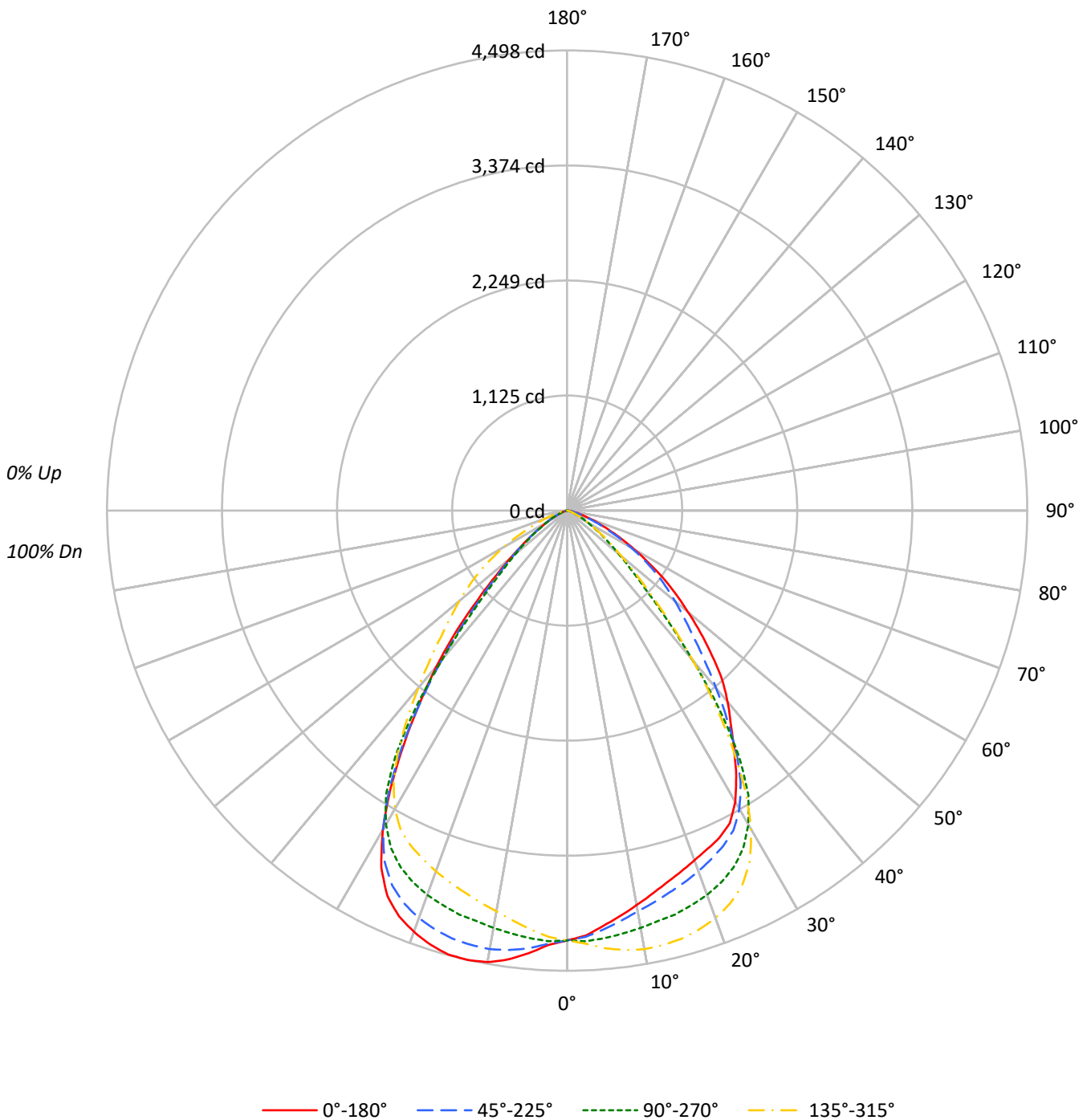
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	129537	129537	129537	129537
5°	126095	129840	134477	129840
10°	122608	129672	140334	129672
15°	120159	130442	143406	130442
20°	119339	131186	143774	131186
25°	119969	130925	141462	130925
30°	117000	126130	128398	126130
35°	107019	110030	104395	110030
40°	98256	76539	79928	76539
45°	87305	46692	54027	46692
50°	73897	31192	34636	31192
55°	61202	21284	22494	21284
60°	46680	14166	14296	14166
65°	33075	8829	8085	8829
70°	23856	5914	5364	5914
75°	15143	2943	2442	2943
80°	10566	2184	1811	2184
85°	9447	0	708	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.8	5.7
10°-20°	1157.9	16.4
20°-30°	1753.2	24.8
30°-40°	1757.2	24.8
40°-50°	1103.4	15.6
50°-60°	588.0	8.3
60°-70°	241.8	3.4
70°-80°	63.9	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°	3310.9	46.8
0°-40°	5068.1	71.6
0°-60°	6759.5	95.5
0°-90°	7076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4201	4201	4201	4201	4201	
5°	4074	4195	4344	4195	4074	384
15°	3764	4086	4492	4086	3764	1065
25°	3526	3848	4158	3848	3526	1617
35°	2843	2923	2773	2923	2843	1781
45°	2002	1071	1239	1071	2002	1540
55°	1138	396	418	396	1138	1015
65°	453	121	111	121	453	470
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°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4157.7	4153.6	4151.6	4155.7	4157.7	4165.9	4163.9	4168.0	4168.0	4170.1	4174.1
5°	4073.6	4071.5	4073.6	4073.6	4081.8	4090.0	4088.0	4094.2	4098.2	4108.5	4112.6
7.5°	3995.7	3995.7	3993.6	4001.8	4005.9	4018.3	4016.2	4026.5	4032.6	4042.8	4057.2
10°	3915.7	3915.7	3917.7	3923.9	3926.0	3944.4	3944.4	3958.7	3966.9	3977.2	3995.7
12.5°	3837.8	3837.8	3850.1	3845.9	3854.1	3868.5	3874.7	3889.0	3901.3	3921.8	3940.3
15°	3763.9	3763.9	3768.0	3778.2	3784.4	3802.9	3813.1	3829.6	3843.9	3864.4	3891.1
17.5°	3700.3	3698.3	3700.3	3712.6	3725.0	3741.3	3749.5	3770.0	3784.4	3811.1	3835.7
20°	3636.7	3640.9	3640.9	3651.1	3659.3	3679.8	3688.0	3710.6	3727.0	3751.6	3780.3
22.5°	3581.3	3579.3	3579.3	3593.7	3599.8	3618.2	3626.4	3646.9	3665.4	3686.0	3712.6
25°	3526.0	3521.8	3530.1	3532.1	3536.2	3556.7	3562.9	3577.2	3595.7	3614.2	3640.9
27.5°	3443.9	3439.8	3441.9	3450.1	3456.2	3472.6	3476.7	3491.1	3505.4	3521.8	3544.5
30°	3285.9	3281.9	3279.9	3294.2	3300.4	3312.6	3318.8	3343.4	3347.5	3366.0	3382.4
32.5°	3076.7	3074.7	3078.8	3091.1	3097.2	3113.7	3121.9	3136.2	3146.5	3156.8	3173.1
35°	2842.9	2838.8	2842.9	2855.3	2855.3	2869.6	2875.8	2881.9	2879.8	2881.9	2877.8
37.5°	2625.5	2623.4	2625.5	2631.6	2625.5	2631.6	2625.5	2613.2	2590.7	2566.0	2541.4
40°	2440.9	2442.9	2430.7	2438.9	2416.2	2412.2	2389.6	2358.8	2313.7	2264.5	2194.8
42.5°	2244.0	2237.8	2229.7	2233.7	2215.3	2200.9	2164.0	2125.1	2067.6	1985.6	1901.4
45°	2002.0	1999.9	1995.8	1993.8	1981.4	1967.1	1936.3	1891.2	1827.6	1743.5	1643.0
47.5°	1766.1	1759.9	1759.9	1761.9	1747.6	1745.5	1720.9	1682.0	1626.6	1544.5	1439.9
50°	1540.4	1538.4	1542.5	1550.7	1540.4	1536.3	1520.0	1493.3	1444.1	1374.3	1275.8
52.5°	1337.3	1335.3	1339.4	1349.7	1345.5	1349.7	1333.3	1312.8	1279.9	1212.2	1126.1
55°	1138.4	1138.4	1138.4	1150.7	1150.7	1150.7	1142.5	1130.2	1099.4	1050.2	970.2
57.5°	931.2	933.3	945.6	947.6	945.6	949.7	947.6	935.3	914.9	880.0	818.4
60°	756.9	756.9	763.1	769.2	767.1	769.2	769.2	763.1	742.5	713.8	664.6
62.5°	598.9	605.1	601.0	605.1	613.3	605.1	601.0	596.9	582.6	564.1	523.0
65°	453.3	457.4	457.4	459.5	455.3	457.4	449.2	443.1	434.9	414.4	387.7
67.5°	344.6	344.6	344.6	344.6	342.5	340.5	338.5	332.3	318.0	309.8	281.0
70°	264.6	252.3	252.3	252.3	252.3	254.4	248.2	240.0	235.9	221.5	201.0
72.5°	176.4	180.5	176.4	176.4	172.3	174.3	166.2	162.0	158.0	149.8	137.4
75°	127.1	116.9	121.0	123.1	116.9	121.0	112.8	104.6	104.6	98.4	92.3
77.5°	82.1	80.0	82.1	84.1	82.1	80.0	75.9	71.8	71.8	69.7	63.6
80°	59.5	57.4	57.4	57.4	55.4	57.4	53.4	53.4	49.2	47.2	43.1
82.5°	39.0	39.0	36.9	39.0	36.9	39.0	32.8	32.8	32.8	30.7	26.7
85°	26.7	22.5	22.5	24.7	20.5	24.7	22.5	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°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4180.3	4182.3	4182.3	4190.6	4194.6	4196.7	4196.7	4213.1	4207.0	4211.1	4215.1
5°	4120.8	4133.1	4137.2	4137.2	4159.8	4168.0	4176.1	4194.6	4196.7	4209.0	4223.3
7.5°	4063.3	4077.7	4086.0	4104.4	4118.7	4133.1	4157.7	4170.1	4182.3	4198.8	4217.2
10°	4008.0	4024.4	4040.8	4055.2	4077.7	4096.2	4112.6	4141.3	4155.7	4178.3	4202.8
12.5°	3954.7	3977.2	3991.6	4016.2	4040.8	4057.2	4081.8	4108.5	4131.1	4153.6	4182.3
15°	3907.5	3934.2	3950.6	3977.2	4003.9	4026.5	4053.1	4086.0	4102.4	4129.0	4155.7
17.5°	3856.2	3885.0	3905.5	3930.0	3962.9	3987.4	4010.1	4042.8	4063.3	4092.1	4122.9
20°	3802.9	3831.6	3856.2	3880.8	3913.7	3938.2	3964.9	3997.7	4020.3	4049.0	4073.6
22.5°	3739.3	3766.0	3792.6	3821.3	3854.1	3874.7	3905.5	3934.2	3958.7	3985.4	4010.1
25°	3657.2	3690.1	3710.6	3737.2	3763.9	3786.4	3819.3	3848.0	3868.5	3893.1	3915.7
27.5°	3560.8	3585.5	3601.9	3624.4	3651.1	3671.6	3696.2	3725.0	3745.5	3768.0	3784.4
30°	3396.7	3419.3	3433.7	3450.1	3476.7	3495.2	3515.7	3542.3	3556.7	3573.2	3587.5
32.5°	3181.3	3199.8	3208.0	3220.3	3238.8	3257.2	3273.7	3296.2	3302.4	3312.6	3312.6
35°	2869.6	2873.7	2871.6	2875.8	2884.0	2894.2	2908.5	2922.9	2931.1	2931.1	2925.0
37.5°	2504.5	2479.9	2453.2	2432.7	2426.5	2422.4	2430.7	2436.8	2445.0	2449.1	2438.9
40°	2125.1	2069.7	2010.1	1956.8	1919.9	1903.5	1897.3	1901.4	1901.4	1915.8	1915.8
42.5°	1798.9	1712.7	1624.6	1544.5	1491.2	1450.2	1431.7	1431.7	1433.8	1444.1	1450.2
45°	1528.1	1419.4	1316.8	1228.7	1154.8	1101.4	1076.9	1070.7	1068.7	1072.7	1087.1
47.5°	1321.0	1208.2	1101.4	992.8	914.9	861.5	839.0	830.7	822.5	830.7	832.8
50°	1158.9	1042.0	929.2	820.5	738.4	691.2	662.5	650.2	648.2	648.2	652.3
52.5°	1011.2	902.5	789.7	679.0	592.8	547.7	521.0	514.8	506.7	514.8	514.8
55°	871.7	763.1	652.3	547.7	475.8	428.7	404.1	395.9	391.7	397.9	397.9
57.5°	720.0	627.6	525.1	430.8	359.0	326.1	307.7	297.4	295.3	299.5	295.3
60°	590.7	512.8	424.6	338.5	283.1	248.2	233.9	229.7	225.6	229.7	229.7
62.5°	467.6	402.0	330.2	264.6	217.4	192.8	176.4	176.4	174.3	174.3	176.4
65°	346.7	295.3	244.1	188.7	151.8	133.3	121.0	121.0	119.0	121.0	119.0
67.5°	252.3	217.4	176.4	137.4	108.7	98.4	90.3	84.1	88.2	84.1	82.1
70°	184.6	155.9	127.1	104.6	84.1	73.9	67.7	65.6	61.5	61.5	61.5
72.5°	123.1	104.6	86.1	67.7	55.4	45.1	43.1	39.0	34.9	36.9	41.0
75°	82.1	69.7	61.5	49.2	36.9	36.9	24.7	24.7	20.5	24.7	18.5
77.5°	57.4	47.2	36.9	30.7	24.7	22.5	16.4	16.4	14.4	14.4	14.4
80°	41.0	34.9	26.7	22.5	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°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4225.5	4223.3	4227.5	4227.5	4239.8	4237.7	4243.9	4243.9	4239.8	4241.8	4250.0
5°	4239.8	4246.0	4258.2	4268.5	4286.9	4295.2	4305.4	4315.7	4317.7	4323.9	4330.1
7.5°	4239.8	4260.3	4274.7	4293.1	4317.7	4332.1	4354.6	4373.1	4381.3	4391.5	4403.8
10°	4231.5	4252.0	4278.7	4299.2	4330.1	4352.6	4375.1	4403.8	4416.2	4432.6	4449.0
12.5°	4215.1	4237.7	4266.4	4293.1	4327.9	4348.5	4377.2	4403.8	4422.3	4444.9	4463.4
15°	4190.6	4217.2	4243.9	4270.5	4307.4	4332.1	4358.8	4389.5	4408.0	4432.6	4449.0
17.5°	4151.6	4180.3	4204.9	4229.5	4264.4	4293.1	4317.7	4346.4	4364.9	4385.4	4408.0
20°	4104.4	4131.1	4157.7	4178.3	4213.1	4237.7	4264.4	4291.1	4305.4	4309.5	4344.4
22.5°	4044.9	4063.3	4083.9	4116.7	4137.2	4159.8	4184.4	4209.0	4223.3	4246.0	4258.2
25°	3946.4	3964.9	3987.4	4001.8	4026.5	4044.9	4069.5	4096.2	4104.4	4120.8	4133.1
27.5°	3809.1	3819.3	3829.6	3841.8	3856.2	3866.5	3880.8	3893.1	3901.3	3909.5	3917.7
30°	3591.6	3591.6	3591.6	3583.4	3589.5	3595.7	3597.7	3595.7	3595.7	3593.7	3593.7
32.5°	3304.4	3288.0	3269.6	3253.2	3247.0	3238.8	3234.7	3228.5	3218.3	3212.1	3214.2
35°	2916.7	2879.8	2857.3	2836.8	2820.4	2808.1	2801.9	2795.7	2793.7	2785.5	2777.3
37.5°	2432.7	2406.0	2389.6	2377.3	2363.0	2350.6	2352.7	2354.8	2360.9	2356.8	2358.8
40°	1919.9	1913.7	1919.9	1905.5	1901.4	1905.5	1915.8	1930.2	1938.4	1946.6	1960.9
42.5°	1460.4	1470.7	1485.1	1485.1	1491.2	1499.4	1511.7	1534.3	1546.6	1560.9	1577.4
45°	1099.4	1111.7	1130.2	1136.3	1140.5	1150.7	1165.1	1183.5	1191.7	1204.0	1218.4
47.5°	847.2	855.3	865.6	875.9	886.1	890.2	904.6	904.6	914.9	923.1	927.1
50°	660.5	668.7	676.9	683.0	687.2	693.3	697.4	703.5	705.6	709.7	711.7
52.5°	516.9	527.2	527.2	531.2	537.4	543.5	541.5	543.5	545.6	545.6	551.7
55°	404.1	404.1	410.2	410.2	414.4	412.3	414.4	414.4	414.4	414.4	416.4
57.5°	301.5	303.6	309.8	305.6	303.6	307.7	303.6	307.7	305.6	309.8	303.6
60°	231.8	231.8	233.9	233.9	235.9	235.9	235.9	233.9	233.9	231.8	231.8
62.5°	174.3	176.4	178.5	176.4	176.4	176.4	174.3	174.3	172.3	170.2	170.2
65°	116.9	114.9	119.0	114.9	116.9	116.9	114.9	116.9	110.8	112.8	110.8
67.5°	84.1	82.1	80.0	82.1	80.0	77.9	77.9	80.0	82.1	75.9	75.9
70°	55.4	57.4	55.4	57.4	59.5	59.5	57.4	55.4	57.4	53.4	55.4
72.5°	34.9	34.9	34.9	34.9	34.9	36.9	36.9	36.9	32.8	32.8	30.7
75°	16.4	22.5	18.5	16.4	22.5	22.5	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: P248715

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4248.0	4246.0	4248.0	4250.0	4248.0	4246.0	4248.0	4250.0	4241.8	4239.8	4243.9
5°	4338.2	4338.2	4342.3	4344.4	4342.3	4338.2	4338.2	4330.1	4323.9	4317.7	4315.7
7.5°	4416.2	4420.3	4424.4	4426.4	4424.4	4420.3	4416.2	4403.8	4391.5	4381.3	4373.1
10°	4463.4	4469.5	4477.7	4481.8	4477.7	4469.5	4463.4	4449.0	4432.6	4416.2	4403.8
12.5°	4483.9	4490.0	4500.3	4498.2	4500.3	4490.0	4483.9	4463.4	4444.9	4422.3	4403.8
15°	4469.5	4477.7	4487.9	4492.1	4487.9	4477.7	4469.5	4449.0	4432.6	4408.0	4389.5
17.5°	4424.4	4436.7	4442.9	4449.0	4442.9	4436.7	4424.4	4408.0	4385.4	4364.9	4346.4
20°	4362.8	4371.1	4379.3	4381.3	4379.3	4371.1	4362.8	4344.4	4309.5	4305.4	4291.1
22.5°	4274.7	4280.8	4299.2	4293.1	4299.2	4280.8	4274.7	4258.2	4246.0	4223.3	4209.0
25°	4147.4	4153.6	4155.7	4157.7	4155.7	4153.6	4147.4	4133.1	4120.8	4104.4	4096.2
27.5°	3928.0	3928.0	3932.1	3934.2	3932.1	3928.0	3928.0	3917.7	3909.5	3901.3	3893.1
30°	3595.7	3595.7	3595.7	3606.0	3595.7	3595.7	3595.7	3593.7	3593.7	3595.7	3595.7
32.5°	3212.1	3208.0	3204.0	3208.0	3204.0	3208.0	3212.1	3214.2	3212.1	3218.3	3228.5
35°	2777.3	2775.2	2781.4	2773.2	2781.4	2775.2	2777.3	2777.3	2785.5	2793.7	2795.7
37.5°	2360.9	2356.8	2365.0	2356.8	2365.0	2356.8	2360.9	2358.8	2356.8	2360.9	2354.8
40°	1965.1	1969.1	1969.1	1985.6	1969.1	1969.1	1965.1	1960.9	1946.6	1938.4	1930.2
42.5°	1585.6	1597.9	1593.7	1606.1	1593.7	1597.9	1585.6	1577.4	1560.9	1546.6	1534.3
45°	1226.6	1234.8	1234.8	1238.9	1234.8	1234.8	1226.6	1218.4	1204.0	1191.7	1183.5
47.5°	941.5	941.5	941.5	943.6	941.5	941.5	941.5	927.1	923.1	914.9	904.6
50°	715.9	717.9	720.0	722.0	720.0	717.9	715.9	711.7	709.7	705.6	703.5
52.5°	549.7	551.7	547.7	551.7	547.7	551.7	549.7	551.7	545.6	545.6	543.5
55°	416.4	414.4	416.4	418.4	416.4	414.4	416.4	416.4	414.4	414.4	414.4
57.5°	305.6	301.5	301.5	301.5	301.5	301.5	305.6	303.6	309.8	305.6	307.7
60°	227.7	229.7	229.7	231.8	229.7	229.7	227.7	231.8	231.8	233.9	233.9
62.5°	168.2	174.3	170.2	174.3	170.2	174.3	168.2	170.2	170.2	172.3	174.3
65°	108.7	108.7	108.7	110.8	108.7	108.7	108.7	110.8	112.8	110.8	116.9
67.5°	73.9	75.9	80.0	77.9	80.0	75.9	73.9	75.9	75.9	82.1	80.0
70°	59.5	53.4	53.4	59.5	53.4	53.4	59.5	55.4	53.4	57.4	55.4
72.5°	34.9	30.7	34.9	34.9	34.9	30.7	34.9	30.7	32.8	32.8	36.9
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: P248715

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4243.9	4237.7	4239.8	4227.5	4227.5	4223.3	4225.5	4215.1	4211.1	4207.0	4213.1
5°	4305.4	4295.2	4286.9	4268.5	4258.2	4246.0	4239.8	4223.3	4209.0	4196.7	4194.6
7.5°	4354.6	4332.1	4317.7	4293.1	4274.7	4260.3	4239.8	4217.2	4198.8	4182.3	4170.1
10°	4375.1	4352.6	4330.1	4299.2	4278.7	4252.0	4231.5	4202.8	4178.3	4155.7	4141.3
12.5°	4377.2	4348.5	4327.9	4293.1	4266.4	4237.7	4215.1	4182.3	4153.6	4131.1	4108.5
15°	4358.8	4332.1	4307.4	4270.5	4243.9	4217.2	4190.6	4155.7	4129.0	4102.4	4086.0
17.5°	4317.7	4293.1	4264.4	4229.5	4204.9	4180.3	4151.6	4122.9	4092.1	4063.3	4042.8
20°	4264.4	4237.7	4213.1	4178.3	4157.7	4131.1	4104.4	4073.6	4049.0	4020.3	3997.7
22.5°	4184.4	4159.8	4137.2	4116.7	4083.9	4063.3	4044.9	4010.1	3985.4	3958.7	3934.2
25°	4069.5	4044.9	4026.5	4001.8	3987.4	3964.9	3946.4	3915.7	3893.1	3868.5	3848.0
27.5°	3880.8	3866.5	3856.2	3841.8	3829.6	3819.3	3809.1	3784.4	3768.0	3745.5	3725.0
30°	3597.7	3595.7	3589.5	3583.4	3591.6	3591.6	3591.6	3587.5	3573.2	3556.7	3542.3
32.5°	3234.7	3238.8	3247.0	3253.2	3269.6	3288.0	3304.4	3312.6	3312.6	3302.4	3296.2
35°	2801.9	2808.1	2820.4	2836.8	2857.3	2879.8	2916.7	2925.0	2931.1	2931.1	2922.9
37.5°	2352.7	2350.6	2363.0	2377.3	2389.6	2406.0	2432.7	2438.9	2449.1	2445.0	2436.8
40°	1915.8	1905.5	1901.4	1905.5	1919.9	1913.7	1919.9	1915.8	1915.8	1901.4	1901.4
42.5°	1511.7	1499.4	1491.2	1485.1	1485.1	1470.7	1460.4	1450.2	1444.1	1433.8	1431.7
45°	1165.1	1150.7	1140.5	1136.3	1130.2	1111.7	1099.4	1087.1	1072.7	1068.7	1070.7
47.5°	904.6	890.2	886.1	875.9	865.6	855.3	847.2	832.8	830.7	822.5	830.7
50°	697.4	693.3	687.2	683.0	676.9	668.7	660.5	652.3	648.2	648.2	650.2
52.5°	541.5	543.5	537.4	531.2	527.2	527.2	516.9	514.8	514.8	506.7	514.8
55°	414.4	412.3	414.4	410.2	410.2	404.1	404.1	397.9	397.9	391.7	395.9
57.5°	303.6	307.7	303.6	305.6	309.8	303.6	301.5	295.3	299.5	295.3	297.4
60°	235.9	235.9	235.9	233.9	233.9	231.8	231.8	229.7	229.7	225.6	229.7
62.5°	174.3	176.4	176.4	176.4	178.5	176.4	174.3	176.4	174.3	174.3	176.4
65°	114.9	116.9	116.9	114.9	119.0	114.9	116.9	119.0	121.0	119.0	121.0
67.5°	77.9	77.9	80.0	82.1	80.0	82.1	84.1	82.1	84.1	88.2	84.1
70°	57.4	59.5	59.5	57.4	55.4	57.4	55.4	61.5	61.5	61.5	65.6
72.5°	36.9	36.9	34.9	34.9	34.9	34.9	34.9	41.0	36.9	34.9	39.0
75°	20.5	22.5	22.5	16.4	18.5	22.5	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: P248715

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4196.7	4196.7	4194.6	4190.6	4182.3	4182.3	4180.3	4174.1	4170.1	4168.0	4168.0
5°	4176.1	4168.0	4159.8	4137.2	4137.2	4133.1	4120.8	4112.6	4108.5	4098.2	4094.2
7.5°	4157.7	4133.1	4118.7	4104.4	4086.0	4077.7	4063.3	4057.2	4042.8	4032.6	4026.5
10°	4112.6	4096.2	4077.7	4055.2	4040.8	4024.4	4008.0	3995.7	3977.2	3966.9	3958.7
12.5°	4081.8	4057.2	4040.8	4016.2	3991.6	3977.2	3954.7	3940.3	3921.8	3901.3	3889.0
15°	4053.1	4026.5	4003.9	3977.2	3950.6	3934.2	3907.5	3891.1	3864.4	3843.9	3829.6
17.5°	4010.1	3987.4	3962.9	3930.0	3905.5	3885.0	3856.2	3835.7	3811.1	3784.4	3770.0
20°	3964.9	3938.2	3913.7	3880.8	3856.2	3831.6	3802.9	3780.3	3751.6	3727.0	3710.6
22.5°	3905.5	3874.7	3854.1	3821.3	3792.6	3766.0	3739.3	3712.6	3686.0	3665.4	3646.9
25°	3819.3	3786.4	3763.9	3737.2	3710.6	3690.1	3657.2	3640.9	3614.2	3595.7	3577.2
27.5°	3696.2	3671.6	3651.1	3624.4	3601.9	3585.5	3560.8	3544.5	3521.8	3505.4	3491.1
30°	3515.7	3495.2	3476.7	3450.1	3433.7	3419.3	3396.7	3382.4	3366.0	3347.5	3343.4
32.5°	3273.7	3257.2	3238.8	3220.3	3208.0	3199.8	3181.3	3173.1	3156.8	3146.5	3136.2
35°	2908.5	2894.2	2884.0	2875.8	2871.6	2873.7	2869.6	2877.8	2881.9	2879.8	2881.9
37.5°	2430.7	2422.4	2426.5	2432.7	2453.2	2479.9	2504.5	2541.4	2566.0	2590.7	2613.2
40°	1897.3	1903.5	1919.9	1956.8	2010.1	2069.7	2125.1	2194.8	2264.5	2313.7	2358.8
42.5°	1431.7	1450.2	1491.2	1544.5	1624.6	1712.7	1798.9	1901.4	1985.6	2067.6	2125.1
45°	1076.9	1101.4	1154.8	1228.7	1316.8	1419.4	1528.1	1643.0	1743.5	1827.6	1891.2
47.5°	839.0	861.5	914.9	992.8	1101.4	1208.2	1321.0	1439.9	1544.5	1626.6	1682.0
50°	662.5	691.2	738.4	820.5	929.2	1042.0	1158.9	1275.8	1374.3	1444.1	1493.3
52.5°	521.0	547.7	592.8	679.0	789.7	902.5	1011.2	1126.1	1212.2	1279.9	1312.8
55°	404.1	428.7	475.8	547.7	652.3	763.1	871.7	970.2	1050.2	1099.4	1130.2
57.5°	307.7	326.1	359.0	430.8	525.1	627.6	720.0	818.4	880.0	914.9	935.3
60°	233.9	248.2	283.1	338.5	424.6	512.8	590.7	664.6	713.8	742.5	763.1
62.5°	176.4	192.8	217.4	264.6	330.2	402.0	467.6	523.0	564.1	582.6	596.9
65°	121.0	133.3	151.8	188.7	244.1	295.3	346.7	387.7	414.4	434.9	443.1
67.5°	90.3	98.4	108.7	137.4	176.4	217.4	252.3	281.0	309.8	318.0	332.3
70°	67.7	73.9	84.1	104.6	127.1	155.9	184.6	201.0	221.5	235.9	240.0
72.5°	43.1	45.1	55.4	67.7	86.1	104.6	123.1	137.4	149.8	158.0	162.0
75°	24.7	36.9	36.9	49.2	61.5	69.7	82.1	92.3	98.4	104.6	104.6
77.5°	16.4	22.5	24.7	30.7	36.9	47.2	57.4	63.6	69.7	71.8	71.8
80°	14.4	16.4	16.4	22.5	26.7	34.9	41.0	43.1	47.2	49.2	53.4
82.5°	6.2	8.2	10.2	16.4	18.5	18.5	24.7	26.7	30.7	32.8	32.8
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: P248715

CATALOG NUMBER: LSR8B80D010 EC8B80935 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8	4200.8
2.5°	4163.9	4165.9	4157.7	4155.7	4151.6	4153.6	4157.7
5°	4088.0	4090.0	4081.8	4073.6	4073.6	4071.5	4073.6
7.5°	4016.2	4018.3	4005.9	4001.8	3993.6	3995.7	3995.7
10°	3944.4	3944.4	3926.0	3923.9	3917.7	3915.7	3915.7
12.5°	3874.7	3868.5	3854.1	3845.9	3850.1	3837.8	3837.8
15°	3813.1	3802.9	3784.4	3778.2	3768.0	3763.9	3763.9
17.5°	3749.5	3741.3	3725.0	3712.6	3700.3	3698.3	3700.3
20°	3688.0	3679.8	3659.3	3651.1	3640.9	3640.9	3636.7
22.5°	3626.4	3618.2	3599.8	3593.7	3579.3	3579.3	3581.3
25°	3562.9	3556.7	3536.2	3532.1	3530.1	3521.8	3526.0
27.5°	3476.7	3472.6	3456.2	3450.1	3441.9	3439.8	3443.9
30°	3318.8	3312.6	3300.4	3294.2	3279.9	3281.9	3285.9
32.5°	3121.9	3113.7	3097.2	3091.1	3078.8	3074.7	3076.7
35°	2875.8	2869.6	2855.3	2855.3	2842.9	2838.8	2842.9
37.5°	2625.5	2631.6	2625.5	2631.6	2625.5	2623.4	2625.5
40°	2389.6	2412.2	2416.2	2438.9	2430.7	2442.9	2440.9
42.5°	2164.0	2200.9	2215.3	2233.7	2229.7	2237.8	2244.0
45°	1936.3	1967.1	1981.4	1993.8	1995.8	1999.9	2002.0
47.5°	1720.9	1745.5	1747.6	1761.9	1759.9	1759.9	1766.1
50°	1520.0	1536.3	1540.4	1550.7	1542.5	1538.4	1540.4
52.5°	1333.3	1349.7	1345.5	1349.7	1339.4	1335.3	1337.3
55°	1142.5	1150.7	1150.7	1150.7	1138.4	1138.4	1138.4
57.5°	947.6	949.7	945.6	947.6	945.6	933.3	931.2
60°	769.2	769.2	767.1	769.2	763.1	756.9	756.9
62.5°	601.0	605.1	613.3	605.1	601.0	605.1	598.9
65°	449.2	457.4	455.3	459.5	457.4	457.4	453.3
67.5°	338.5	340.5	342.5	344.6	344.6	344.6	344.6
70°	248.2	254.4	252.3	252.3	252.3	252.3	264.6
72.5°	166.2	174.3	172.3	176.4	176.4	180.5	176.4
75°	112.8	121.0	116.9	123.1	121.0	116.9	127.1
77.5°	75.9	80.0	82.1	84.1	82.1	80.0	82.1
80°	53.4	57.4	55.4	57.4	57.4	57.4	59.5
82.5°	32.8	39.0	36.9	39.0	36.9	39.0	39.0
85°	22.5	24.7	20.5	24.7	22.5	22.5	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)