

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: P248624

Luminaire Tested: **LSR8B70D010 EC8B70950 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248624  
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 EC8B70950 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6943.0 lumens  
Efficiency: N/A  
Efficacy: 91.5 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

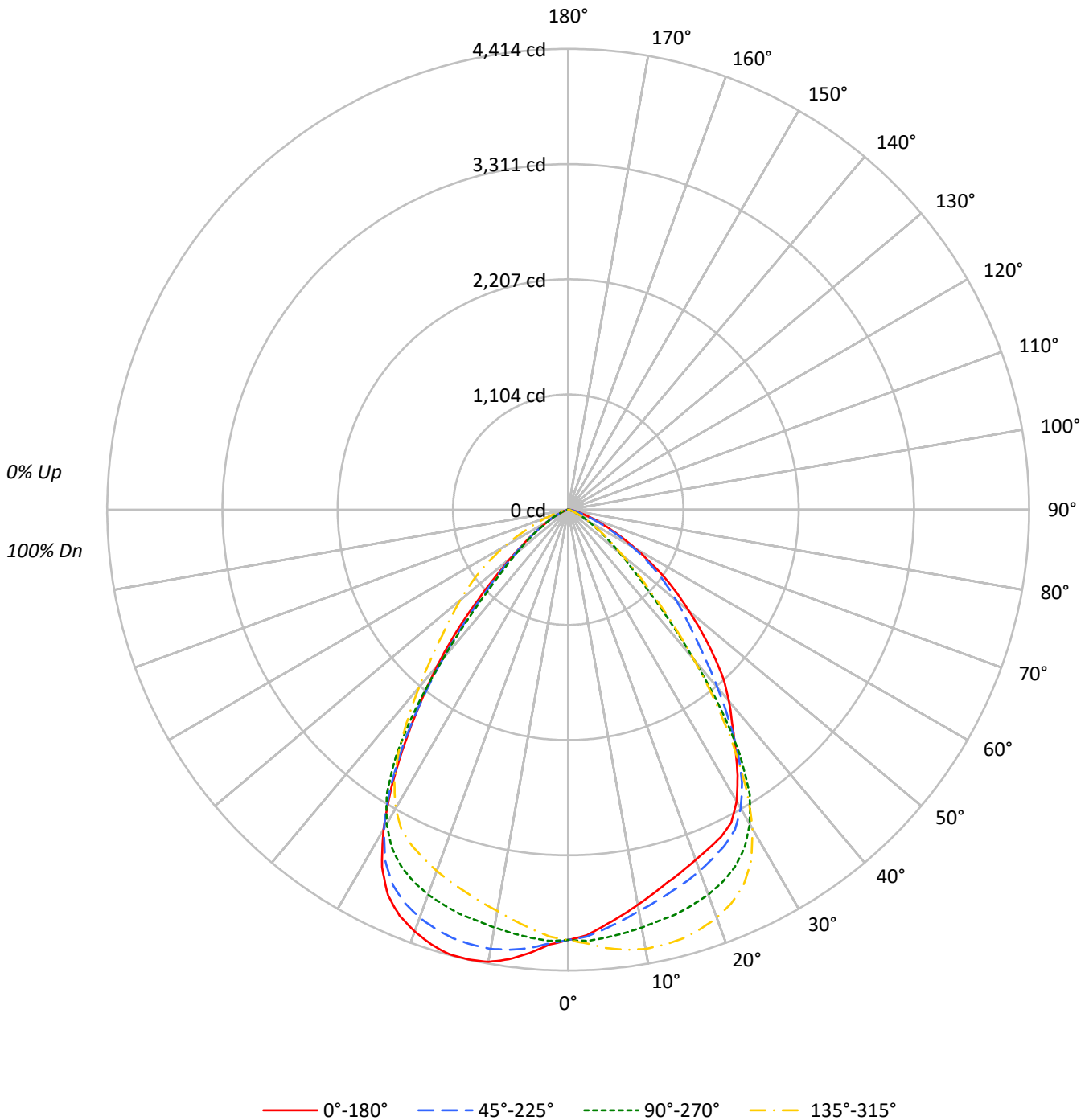
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	127101	127101	127101	127101
5°	123727	127401	131951	127401
10°	120304	127233	137695	127233
15°	117899	127990	140709	127990
20°	117098	128721	141073	128721
25°	117713	128461	138805	128461
30°	114803	123762	125984	123762
35°	105008	107964	102434	107964
40°	96408	75102	78427	75102
45°	85661	45816	53011	45816
50°	72506	30607	33989	30607
55°	60052	20881	22074	20881
60°	45804	13901	14024	13901
65°	32455	8661	7931	8661
70°	23405	5806	5265	5806
75°	14869	2883	2395	2883
80°	10371	2149	1776	2149
85°	9270	0	708	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.3	5.7
10°-20°	1136.1	16.4
20°-30°	1720.3	24.8
30°-40°	1724.1	24.8
40°-50°	1082.7	15.6
50°-60°	577.0	8.3
60°-70°	237.3	3.4
70°-80°	62.7	0.9
80°-90°	10.6	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°	3248.7	46.8
0°-40°	4972.8	71.6
0°-60°	6632.5	95.5
0°-90°	6943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4122	4122	4122	4122	4122	
5°	3997	4116	4263	4116	3997	377
15°	3693	4009	4408	4009	3693	1045
25°	3460	3776	4080	3776	3460	1587
35°	2790	2868	2721	2868	2790	1748
45°	1964	1051	1216	1051	1964	1511
55°	1117	388	411	388	1117	996
65°	445	119	109	119	445	461
75°	125	24	20	24	125	141
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°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4079.6	4075.5	4073.5	4077.6	4079.6	4087.6	4085.6	4089.6	4089.6	4091.7	4095.7
5°	3997.1	3995.0	3997.1	3997.1	4005.1	4013.2	4011.2	4017.2	4021.2	4031.3	4035.3
7.5°	3920.6	3920.6	3918.5	3926.6	3930.6	3942.7	3940.7	3950.8	3956.8	3966.8	3980.9
10°	3842.1	3842.1	3844.1	3850.1	3852.2	3870.3	3870.3	3884.3	3892.4	3902.5	3920.6
12.5°	3765.6	3765.6	3777.7	3773.7	3781.7	3795.8	3801.8	3815.9	3828.0	3848.1	3866.3
15°	3693.1	3693.1	3697.2	3707.2	3713.3	3731.4	3741.4	3757.6	3771.7	3791.8	3818.0
17.5°	3630.8	3628.8	3630.8	3642.9	3654.9	3671.0	3679.1	3699.2	3713.3	3739.4	3763.6
20°	3568.4	3572.4	3572.4	3582.5	3590.5	3610.6	3618.7	3640.9	3656.9	3681.0	3709.3
22.5°	3514.0	3512.0	3512.0	3526.1	3532.2	3550.2	3558.3	3578.4	3596.5	3616.7	3642.9
25°	3459.7	3455.6	3463.7	3465.7	3469.7	3489.8	3495.9	3510.0	3528.1	3546.3	3572.4
27.5°	3379.2	3375.2	3377.2	3385.2	3391.3	3407.3	3411.4	3425.5	3439.6	3455.6	3477.8
30°	3224.2	3220.2	3218.2	3232.3	3238.3	3250.4	3256.4	3280.6	3284.6	3302.7	3318.8
32.5°	3018.9	3016.9	3021.0	3033.0	3039.0	3055.2	3063.2	3077.3	3087.3	3097.4	3113.5
35°	2789.5	2785.4	2789.5	2801.6	2801.6	2815.7	2821.7	2827.7	2825.7	2827.7	2823.7
37.5°	2576.2	2574.1	2576.2	2582.2	2576.2	2582.2	2576.2	2564.1	2542.0	2517.8	2493.6
40°	2395.0	2397.0	2385.0	2393.0	2370.8	2366.9	2344.7	2314.5	2270.3	2222.0	2153.5
42.5°	2201.8	2195.8	2187.7	2191.7	2173.7	2159.5	2123.3	2085.1	2028.7	1948.3	1865.7
45°	1964.3	1962.3	1958.3	1956.3	1944.2	1930.1	1899.9	1855.6	1793.3	1710.8	1612.1
47.5°	1732.9	1726.8	1726.8	1728.8	1714.7	1712.7	1688.5	1650.4	1596.0	1515.5	1412.9
50°	1511.4	1509.4	1513.5	1521.5	1511.4	1507.5	1491.4	1465.2	1416.9	1348.5	1251.8
52.5°	1312.2	1310.2	1314.3	1324.3	1320.2	1324.3	1308.2	1288.1	1255.9	1189.4	1104.9
55°	1117.0	1117.0	1117.0	1129.0	1129.0	1129.0	1121.0	1109.0	1078.8	1030.5	952.0
57.5°	913.7	915.7	927.8	929.8	927.8	931.9	929.8	917.7	897.7	863.5	803.1
60°	742.7	742.7	748.7	754.8	752.7	754.8	754.8	748.7	728.6	700.4	652.1
62.5°	587.7	593.7	589.7	593.7	601.8	593.7	589.7	585.7	571.6	553.5	513.2
65°	444.8	448.8	448.8	450.8	446.8	448.8	440.8	434.7	426.7	406.6	380.4
67.5°	338.2	338.2	338.2	338.2	336.1	334.1	332.1	326.1	312.0	303.9	275.7
70°	259.6	247.5	247.5	247.5	247.5	249.6	243.6	235.5	231.5	217.4	197.2
72.5°	173.1	177.1	173.1	173.1	169.1	171.1	163.0	159.0	155.0	147.0	134.9
75°	124.8	114.7	118.7	120.8	114.7	118.7	110.7	102.6	102.6	96.6	90.5
77.5°	80.5	78.5	80.5	82.5	80.5	78.5	74.5	70.4	70.4	68.4	62.4
80°	58.4	56.3	56.3	56.3	54.3	56.3	52.4	52.4	48.3	46.3	42.2
82.5°	38.3	38.3	36.2	38.3	36.2	38.3	32.2	32.2	32.2	30.2	26.2
85°	26.2	22.1	22.1	24.2	20.1	24.2	22.1	20.1	18.1	18.1	16.1
87.5°	12.1	14.1	12.1	14.1	12.1	12.1	14.1	12.1	12.1	8.0	8.0
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°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4101.7	4103.7	4103.7	4111.8	4115.8	4117.8	4117.8	4133.9	4127.9	4131.9	4135.9
5°	4043.4	4055.4	4059.5	4059.5	4081.6	4089.6	4097.6	4115.8	4117.8	4129.9	4144.0
7.5°	3987.0	4001.1	4009.2	4027.2	4041.3	4055.4	4079.6	4091.7	4103.7	4119.9	4137.9
10°	3932.6	3948.8	3964.9	3978.9	4001.1	4019.2	4035.3	4063.4	4077.6	4099.7	4123.8
12.5°	3880.4	3902.5	3916.6	3940.7	3964.9	3980.9	4005.1	4031.3	4053.4	4075.5	4103.7
15°	3834.0	3860.2	3876.3	3902.5	3928.7	3950.8	3977.0	4009.2	4025.2	4051.4	4077.6
17.5°	3783.7	3811.9	3832.1	3856.2	3888.4	3912.5	3934.7	3966.8	3987.0	4015.1	4045.4
20°	3731.4	3759.6	3783.7	3807.9	3840.1	3864.2	3890.4	3922.6	3944.7	3972.9	3997.1
22.5°	3669.0	3695.2	3721.3	3749.5	3781.7	3801.8	3832.1	3860.2	3884.3	3910.5	3934.7
25°	3588.5	3620.7	3640.9	3667.0	3693.1	3715.3	3747.5	3775.6	3795.8	3820.0	3842.1
27.5°	3493.9	3518.1	3534.2	3556.3	3582.5	3602.6	3626.7	3654.9	3675.1	3697.2	3713.3
30°	3332.9	3355.1	3369.1	3385.2	3411.4	3429.5	3449.7	3475.8	3489.8	3506.0	3520.1
32.5°	3121.5	3139.7	3147.7	3159.8	3177.9	3196.0	3212.2	3234.3	3240.3	3250.4	3250.4
35°	2815.7	2819.7	2817.7	2821.7	2829.8	2839.8	2853.9	2868.0	2876.0	2876.0	2870.0
37.5°	2457.4	2433.3	2407.1	2387.0	2380.9	2376.9	2385.0	2391.0	2399.1	2403.1	2393.0
40°	2085.1	2030.8	1972.4	1920.0	1883.8	1867.7	1861.7	1865.7	1865.7	1879.7	1879.7
42.5°	1765.1	1680.5	1594.0	1515.5	1463.1	1423.0	1404.8	1404.8	1406.8	1416.9	1423.0
45°	1499.4	1392.7	1292.1	1205.6	1133.1	1080.7	1056.6	1050.6	1048.6	1052.6	1066.7
47.5°	1296.1	1185.5	1080.7	974.1	897.7	845.3	823.2	815.1	807.0	815.1	817.1
50°	1137.2	1022.4	911.7	805.0	724.5	678.2	650.1	638.0	636.0	636.0	640.0
52.5°	992.2	885.6	774.9	666.2	581.6	537.4	511.2	505.2	497.1	505.2	505.2
55°	855.3	748.7	640.0	537.4	466.9	420.7	396.5	388.4	384.4	390.4	390.4
57.5°	706.5	615.8	515.3	422.7	352.2	320.0	301.9	291.8	289.8	293.8	289.8
60°	579.6	503.2	416.6	332.1	277.8	243.6	229.5	225.4	221.4	225.4	225.4
62.5°	458.9	394.5	324.0	259.6	213.3	189.2	173.1	173.1	171.1	171.1	173.1
65°	340.1	289.8	239.5	185.1	148.9	130.8	118.7	118.7	116.7	118.7	116.7
67.5°	247.5	213.3	173.1	134.9	106.7	96.6	88.6	82.5	86.6	82.5	80.5
70°	181.2	152.9	124.8	102.6	82.5	72.5	66.4	64.4	60.4	60.4	60.4
72.5°	120.8	102.6	84.5	66.4	54.3	44.2	42.2	38.3	34.2	36.2	40.3
75°	80.5	68.4	60.4	48.3	36.2	36.2	24.2	24.2	20.1	24.2	18.1
77.5°	56.3	46.3	36.2	30.2	24.2	22.1	16.1	16.1	14.1	14.1	14.1
80°	40.3	34.2	26.2	22.1	16.1	16.1	14.1	12.1	10.0	10.0	12.1
82.5°	24.2	18.1	18.1	16.1	10.0	8.0	6.0	8.0	4.1	4.1	4.1
85°	14.1	12.1	10.0	6.0	4.1	4.1	2.0	0.0	2.0	2.0	0.0
87.5°	8.0	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°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4146.0	4144.0	4148.0	4148.0	4160.1	4158.0	4164.1	4164.1	4160.1	4162.1	4170.1
5°	4160.1	4166.2	4178.2	4188.3	4206.3	4214.5	4224.5	4234.6	4236.6	4242.6	4248.7
7.5°	4160.1	4180.2	4194.3	4212.4	4236.6	4250.7	4272.8	4290.9	4299.0	4309.0	4321.1
10°	4152.0	4172.1	4198.3	4218.4	4248.7	4270.8	4292.9	4321.1	4333.2	4349.2	4365.4
12.5°	4135.9	4158.0	4186.2	4212.4	4246.6	4266.7	4294.9	4321.1	4339.2	4361.3	4379.5
15°	4111.8	4137.9	4164.1	4190.3	4226.5	4250.7	4276.8	4307.0	4325.1	4349.2	4365.4
17.5°	4073.5	4101.7	4125.9	4150.0	4184.2	4212.4	4236.6	4264.7	4282.9	4303.0	4325.1
20°	4027.2	4053.4	4079.6	4099.7	4133.9	4158.0	4184.2	4210.4	4224.5	4228.5	4262.8
22.5°	3968.9	3987.0	4007.1	4039.3	4059.5	4081.6	4105.8	4129.9	4144.0	4166.2	4178.2
25°	3872.2	3890.4	3912.5	3926.6	3950.8	3968.9	3993.0	4019.2	4027.2	4043.4	4055.4
27.5°	3737.5	3747.5	3757.6	3769.6	3783.7	3793.8	3807.9	3820.0	3828.0	3836.0	3844.1
30°	3524.1	3524.1	3524.1	3516.0	3522.1	3528.1	3530.1	3528.1	3528.1	3526.1	3526.1
32.5°	3242.3	3226.2	3208.1	3192.0	3186.0	3177.9	3173.9	3167.8	3157.8	3151.8	3153.8
35°	2861.9	2825.7	2803.6	2783.5	2767.4	2755.3	2749.2	2743.2	2741.2	2733.2	2725.1
37.5°	2387.0	2360.8	2344.7	2332.6	2318.6	2306.5	2308.4	2310.5	2316.5	2312.5	2314.5
40°	1883.8	1877.8	1883.8	1869.7	1865.7	1869.7	1879.7	1893.9	1901.9	1910.0	1924.1
42.5°	1433.0	1443.0	1457.2	1457.2	1463.1	1471.3	1483.3	1505.5	1517.5	1531.6	1547.7
45°	1078.8	1090.9	1109.0	1115.0	1119.0	1129.0	1143.2	1161.3	1169.3	1181.4	1195.5
47.5°	831.2	839.3	849.3	859.4	869.4	873.5	887.6	887.6	897.7	905.7	909.7
50°	648.1	656.1	664.1	670.2	674.2	680.3	684.3	690.3	692.3	696.4	698.4
52.5°	507.2	517.3	517.3	521.2	527.3	533.3	531.3	533.3	535.3	535.3	541.4
55°	396.5	396.5	402.5	402.5	406.6	404.5	406.6	406.6	406.6	406.6	408.6
57.5°	295.8	297.9	303.9	299.9	297.9	301.9	297.9	301.9	299.9	303.9	297.9
60°	227.4	227.4	229.5	229.5	231.5	231.5	231.5	229.5	229.5	227.4	227.4
62.5°	171.1	173.1	175.1	173.1	173.1	173.1	171.1	171.1	169.1	167.0	167.0
65°	114.7	112.7	116.7	112.7	114.7	114.7	112.7	114.7	108.7	110.7	108.7
67.5°	82.5	80.5	78.5	80.5	78.5	76.5	76.5	78.5	80.5	74.5	74.5
70°	54.3	56.3	54.3	56.3	58.4	58.4	56.3	54.3	56.3	52.4	54.3
72.5°	34.2	34.2	34.2	34.2	34.2	36.2	36.2	36.2	32.2	32.2	30.2
75°	16.1	22.1	18.1	16.1	22.1	22.1	20.1	20.1	18.1	18.1	18.1
77.5°	16.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	10.0	12.1	10.0
80°	8.0	8.0	8.0	6.0	8.0	8.0	10.0	8.0	8.0	6.0	10.0
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: P248624

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4168.1	4166.2	4168.1	4170.1	4168.1	4166.2	4168.1	4170.1	4162.1	4160.1	4164.1
5°	4256.7	4256.7	4260.7	4262.8	4260.7	4256.7	4256.7	4248.7	4242.6	4236.6	4234.6
7.5°	4333.2	4337.2	4341.2	4343.2	4341.2	4337.2	4333.2	4321.1	4309.0	4299.0	4290.9
10°	4379.5	4385.5	4393.6	4397.5	4393.6	4385.5	4379.5	4365.4	4349.2	4333.2	4321.1
12.5°	4399.6	4405.7	4415.7	4413.7	4415.7	4405.7	4399.6	4379.5	4361.3	4339.2	4321.1
15°	4385.5	4393.6	4403.6	4407.6	4403.6	4393.6	4385.5	4365.4	4349.2	4325.1	4307.0
17.5°	4341.2	4353.3	4359.3	4365.4	4359.3	4353.3	4341.2	4325.1	4303.0	4282.9	4264.7
20°	4280.8	4288.9	4297.0	4299.0	4297.0	4288.9	4280.8	4262.8	4228.5	4224.5	4210.4
22.5°	4194.3	4200.4	4218.4	4212.4	4218.4	4200.4	4194.3	4178.2	4166.2	4144.0	4129.9
25°	4069.5	4075.5	4077.6	4079.6	4077.6	4075.5	4069.5	4055.4	4043.4	4027.2	4019.2
27.5°	3854.2	3854.2	3858.2	3860.2	3858.2	3854.2	3854.2	3844.1	3836.0	3828.0	3820.0
30°	3528.1	3528.1	3528.1	3538.2	3528.1	3528.1	3528.1	3526.1	3526.1	3528.1	3528.1
32.5°	3151.8	3147.7	3143.7	3147.7	3143.7	3147.7	3151.8	3153.8	3151.8	3157.8	3167.8
35°	2725.1	2723.1	2729.1	2721.1	2729.1	2723.1	2725.1	2725.1	2733.2	2741.2	2743.2
37.5°	2316.5	2312.5	2320.5	2312.5	2320.5	2312.5	2316.5	2314.5	2312.5	2316.5	2310.5
40°	1928.1	1932.1	1932.1	1948.3	1932.1	1932.1	1928.1	1924.1	1910.0	1901.9	1893.9
42.5°	1555.8	1567.8	1563.8	1575.9	1563.8	1567.8	1555.8	1547.7	1531.6	1517.5	1505.5
45°	1203.5	1211.6	1211.6	1215.6	1211.6	1211.6	1203.5	1195.5	1181.4	1169.3	1161.3
47.5°	923.8	923.8	923.8	925.8	923.8	923.8	923.8	909.7	905.7	897.7	887.6
50°	702.4	704.4	706.5	708.5	706.5	704.4	702.4	698.4	696.4	692.3	690.3
52.5°	539.4	541.4	537.4	541.4	537.4	541.4	539.4	541.4	535.3	535.3	533.3
55°	408.6	406.6	408.6	410.6	408.6	406.6	408.6	408.6	406.6	406.6	406.6
57.5°	299.9	295.8	295.8	295.8	295.8	295.8	299.9	297.9	303.9	299.9	301.9
60°	223.4	225.4	225.4	227.4	225.4	225.4	223.4	227.4	227.4	229.5	229.5
62.5°	165.0	171.1	167.0	171.1	167.0	171.1	165.0	167.0	167.0	169.1	171.1
65°	106.7	106.7	106.7	108.7	106.7	106.7	106.7	108.7	110.7	108.7	114.7
67.5°	72.5	74.5	78.5	76.5	78.5	74.5	72.5	74.5	74.5	80.5	78.5
70°	58.4	52.4	52.4	58.4	52.4	52.4	58.4	54.3	52.4	56.3	54.3
72.5°	34.2	30.2	34.2	34.2	34.2	30.2	34.2	30.2	32.2	32.2	36.2
75°	18.1	16.1	14.1	20.1	14.1	16.1	18.1	18.1	18.1	18.1	20.1
77.5°	12.1	10.0	14.1	14.1	14.1	10.0	12.1	10.0	12.1	10.0	12.1
80°	6.0	8.0	6.0	10.0	6.0	8.0	6.0	10.0	6.0	8.0	8.0
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: P248624

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4164.1	4158.0	4160.1	4148.0	4148.0	4144.0	4146.0	4135.9	4131.9	4127.9	4133.9
5°	4224.5	4214.5	4206.3	4188.3	4178.2	4166.2	4160.1	4144.0	4129.9	4117.8	4115.8
7.5°	4272.8	4250.7	4236.6	4212.4	4194.3	4180.2	4160.1	4137.9	4119.9	4103.7	4091.7
10°	4292.9	4270.8	4248.7	4218.4	4198.3	4172.1	4152.0	4123.8	4099.7	4077.6	4063.4
12.5°	4294.9	4266.7	4246.6	4212.4	4186.2	4158.0	4135.9	4103.7	4075.5	4053.4	4031.3
15°	4276.8	4250.7	4226.5	4190.3	4164.1	4137.9	4111.8	4077.6	4051.4	4025.2	4009.2
17.5°	4236.6	4212.4	4184.2	4150.0	4125.9	4101.7	4073.5	4045.4	4015.1	3987.0	3966.8
20°	4184.2	4158.0	4133.9	4099.7	4079.6	4053.4	4027.2	3997.1	3972.9	3944.7	3922.6
22.5°	4105.8	4081.6	4059.5	4039.3	4007.1	3987.0	3968.9	3934.7	3910.5	3884.3	3860.2
25°	3993.0	3968.9	3950.8	3926.6	3912.5	3890.4	3872.2	3842.1	3820.0	3795.8	3775.6
27.5°	3807.9	3793.8	3783.7	3769.6	3757.6	3747.5	3737.5	3713.3	3697.2	3675.1	3654.9
30°	3530.1	3528.1	3522.1	3516.0	3524.1	3524.1	3524.1	3520.1	3506.0	3489.8	3475.8
32.5°	3173.9	3177.9	3186.0	3192.0	3208.1	3226.2	3242.3	3250.4	3250.4	3240.3	3234.3
35°	2749.2	2755.3	2767.4	2783.5	2803.6	2825.7	2861.9	2870.0	2876.0	2876.0	2868.0
37.5°	2308.4	2306.5	2318.6	2332.6	2344.7	2360.8	2387.0	2393.0	2403.1	2399.1	2391.0
40°	1879.7	1869.7	1865.7	1869.7	1883.8	1877.8	1883.8	1879.7	1879.7	1865.7	1865.7
42.5°	1483.3	1471.3	1463.1	1457.2	1457.2	1443.0	1433.0	1423.0	1416.9	1406.8	1404.8
45°	1143.2	1129.0	1119.0	1115.0	1109.0	1090.9	1078.8	1066.7	1052.6	1048.6	1050.6
47.5°	887.6	873.5	869.4	859.4	849.3	839.3	831.2	817.1	815.1	807.0	815.1
50°	684.3	680.3	674.2	670.2	664.1	656.1	648.1	640.0	636.0	636.0	638.0
52.5°	531.3	533.3	527.3	521.2	517.3	517.3	507.2	505.2	505.2	497.1	505.2
55°	406.6	404.5	406.6	402.5	402.5	396.5	396.5	390.4	390.4	384.4	388.4
57.5°	297.9	301.9	297.9	299.9	303.9	297.9	295.8	289.8	293.8	289.8	291.8
60°	231.5	231.5	231.5	229.5	229.5	227.4	227.4	225.4	225.4	221.4	225.4
62.5°	171.1	173.1	173.1	173.1	175.1	173.1	171.1	173.1	171.1	171.1	173.1
65°	112.7	114.7	114.7	112.7	116.7	112.7	114.7	116.7	118.7	116.7	118.7
67.5°	76.5	76.5	78.5	80.5	78.5	80.5	82.5	80.5	82.5	86.6	82.5
70°	56.3	58.4	58.4	56.3	54.3	56.3	54.3	60.4	60.4	60.4	64.4
72.5°	36.2	36.2	34.2	34.2	34.2	34.2	34.2	40.3	36.2	34.2	38.3
75°	20.1	22.1	22.1	16.1	18.1	22.1	16.1	18.1	24.2	20.1	24.2
77.5°	12.1	12.1	12.1	12.1	12.1	12.1	16.1	14.1	14.1	14.1	16.1
80°	10.0	8.0	8.0	6.0	8.0	8.0	8.0	12.1	10.0	10.0	12.1
82.5°	4.1	4.1	2.0	0.0	4.1	4.1	4.1	4.1	4.1	4.1	8.0
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: P248624

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4117.8	4117.8	4115.8	4111.8	4103.7	4103.7	4101.7	4095.7	4091.7	4089.6	4089.6
5°	4097.6	4089.6	4081.6	4059.5	4059.5	4055.4	4043.4	4035.3	4031.3	4021.2	4017.2
7.5°	4079.6	4055.4	4041.3	4027.2	4009.2	4001.1	3987.0	3980.9	3966.8	3956.8	3950.8
10°	4035.3	4019.2	4001.1	3978.9	3964.9	3948.8	3932.6	3920.6	3902.5	3892.4	3884.3
12.5°	4005.1	3980.9	3964.9	3940.7	3916.6	3902.5	3880.4	3866.3	3848.1	3828.0	3815.9
15°	3977.0	3950.8	3928.7	3902.5	3876.3	3860.2	3834.0	3818.0	3791.8	3771.7	3757.6
17.5°	3934.7	3912.5	3888.4	3856.2	3832.1	3811.9	3783.7	3763.6	3739.4	3713.3	3699.2
20°	3890.4	3864.2	3840.1	3807.9	3783.7	3759.6	3731.4	3709.3	3681.0	3656.9	3640.9
22.5°	3832.1	3801.8	3781.7	3749.5	3721.3	3695.2	3669.0	3642.9	3616.7	3596.5	3578.4
25°	3747.5	3715.3	3693.1	3667.0	3640.9	3620.7	3588.5	3572.4	3546.3	3528.1	3510.0
27.5°	3626.7	3602.6	3582.5	3556.3	3534.2	3518.1	3493.9	3477.8	3455.6	3439.6	3425.5
30°	3449.7	3429.5	3411.4	3385.2	3369.1	3355.1	3332.9	3318.8	3302.7	3284.6	3280.6
32.5°	3212.2	3196.0	3177.9	3159.8	3147.7	3139.7	3121.5	3113.5	3097.4	3087.3	3077.3
35°	2853.9	2839.8	2829.8	2821.7	2817.7	2819.7	2815.7	2823.7	2827.7	2825.7	2827.7
37.5°	2385.0	2376.9	2380.9	2387.0	2407.1	2433.3	2457.4	2493.6	2517.8	2542.0	2564.1
40°	1861.7	1867.7	1883.8	1920.0	1972.4	2030.8	2085.1	2153.5	2222.0	2270.3	2314.5
42.5°	1404.8	1423.0	1463.1	1515.5	1594.0	1680.5	1765.1	1865.7	1948.3	2028.7	2085.1
45°	1056.6	1080.7	1133.1	1205.6	1292.1	1392.7	1499.4	1612.1	1710.8	1793.3	1855.6
47.5°	823.2	845.3	897.7	974.1	1080.7	1185.5	1296.1	1412.9	1515.5	1596.0	1650.4
50°	650.1	678.2	724.5	805.0	911.7	1022.4	1137.2	1251.8	1348.5	1416.9	1465.2
52.5°	511.2	537.4	581.6	666.2	774.9	885.6	992.2	1104.9	1189.4	1255.9	1288.1
55°	396.5	420.7	466.9	537.4	640.0	748.7	855.3	952.0	1030.5	1078.8	1109.0
57.5°	301.9	320.0	352.2	422.7	515.3	615.8	706.5	803.1	863.5	897.7	917.7
60°	229.5	243.6	277.8	332.1	416.6	503.2	579.6	652.1	700.4	728.6	748.7
62.5°	173.1	189.2	213.3	259.6	324.0	394.5	458.9	513.2	553.5	571.6	585.7
65°	118.7	130.8	148.9	185.1	239.5	289.8	340.1	380.4	406.6	426.7	434.7
67.5°	88.6	96.6	106.7	134.9	173.1	213.3	247.5	275.7	303.9	312.0	326.1
70°	66.4	72.5	82.5	102.6	124.8	152.9	181.2	197.2	217.4	231.5	235.5
72.5°	42.2	44.2	54.3	66.4	84.5	102.6	120.8	134.9	147.0	155.0	159.0
75°	24.2	36.2	36.2	48.3	60.4	68.4	80.5	90.5	96.6	102.6	102.6
77.5°	16.1	22.1	24.2	30.2	36.2	46.3	56.3	62.4	68.4	70.4	70.4
80°	14.1	16.1	16.1	22.1	26.2	34.2	40.3	42.2	46.3	48.3	52.4
82.5°	6.0	8.0	10.0	16.1	18.1	18.1	24.2	26.2	30.2	32.2	32.2
85°	2.0	4.1	4.1	6.0	10.0	12.1	14.1	16.1	18.1	18.1	20.1
87.5°	2.0	2.0	0.0	2.0	4.1	4.1	8.0	8.0	8.0	12.1	12.1
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: P248624

CATALOG NUMBER: LSR8B70D010 EC8B70950 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8	4121.8
2.5°	4085.6	4087.6	4079.6	4077.6	4073.5	4075.5	4079.6
5°	4011.2	4013.2	4005.1	3997.1	3997.1	3995.0	3997.1
7.5°	3940.7	3942.7	3930.6	3926.6	3918.5	3920.6	3920.6
10°	3870.3	3870.3	3852.2	3850.1	3844.1	3842.1	3842.1
12.5°	3801.8	3795.8	3781.7	3773.7	3777.7	3765.6	3765.6
15°	3741.4	3731.4	3713.3	3707.2	3697.2	3693.1	3693.1
17.5°	3679.1	3671.0	3654.9	3642.9	3630.8	3628.8	3630.8
20°	3618.7	3610.6	3590.5	3582.5	3572.4	3572.4	3568.4
22.5°	3558.3	3550.2	3532.2	3526.1	3512.0	3512.0	3514.0
25°	3495.9	3489.8	3469.7	3465.7	3463.7	3455.6	3459.7
27.5°	3411.4	3407.3	3391.3	3385.2	3377.2	3375.2	3379.2
30°	3256.4	3250.4	3238.3	3232.3	3218.2	3220.2	3224.2
32.5°	3063.2	3055.2	3039.0	3033.0	3021.0	3016.9	3018.9
35°	2821.7	2815.7	2801.6	2801.6	2789.5	2785.4	2789.5
37.5°	2576.2	2582.2	2576.2	2582.2	2576.2	2574.1	2576.2
40°	2344.7	2366.9	2370.8	2393.0	2385.0	2397.0	2395.0
42.5°	2123.3	2159.5	2173.7	2191.7	2187.7	2195.8	2201.8
45°	1899.9	1930.1	1944.2	1956.3	1958.3	1962.3	1964.3
47.5°	1688.5	1712.7	1714.7	1728.8	1726.8	1726.8	1732.9
50°	1491.4	1507.5	1511.4	1521.5	1513.5	1509.4	1511.4
52.5°	1308.2	1324.3	1320.2	1324.3	1314.3	1310.2	1312.2
55°	1121.0	1129.0	1129.0	1129.0	1117.0	1117.0	1117.0
57.5°	929.8	931.9	927.8	929.8	927.8	915.7	913.7
60°	754.8	754.8	752.7	754.8	748.7	742.7	742.7
62.5°	589.7	593.7	601.8	593.7	589.7	593.7	587.7
65°	440.8	448.8	446.8	450.8	448.8	448.8	444.8
67.5°	332.1	334.1	336.1	338.2	338.2	338.2	338.2
70°	243.6	249.6	247.5	247.5	247.5	247.5	259.6
72.5°	163.0	171.1	169.1	173.1	173.1	177.1	173.1
75°	110.7	118.7	114.7	120.8	118.7	114.7	124.8
77.5°	74.5	78.5	80.5	82.5	80.5	78.5	80.5
80°	52.4	56.3	54.3	56.3	56.3	56.3	58.4
82.5°	32.2	38.3	36.2	38.3	36.2	38.3	38.3
85°	22.1	24.2	20.1	24.2	22.1	22.1	26.2
87.5°	14.1	12.1	12.1	14.1	12.1	14.1	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)