

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: P248606

Luminaire Tested: **LSR8B70D010 EC8B70935 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248606
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 EC8B70935 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6421.0 lumens
Efficiency: N/A
Efficacy: 84.6 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

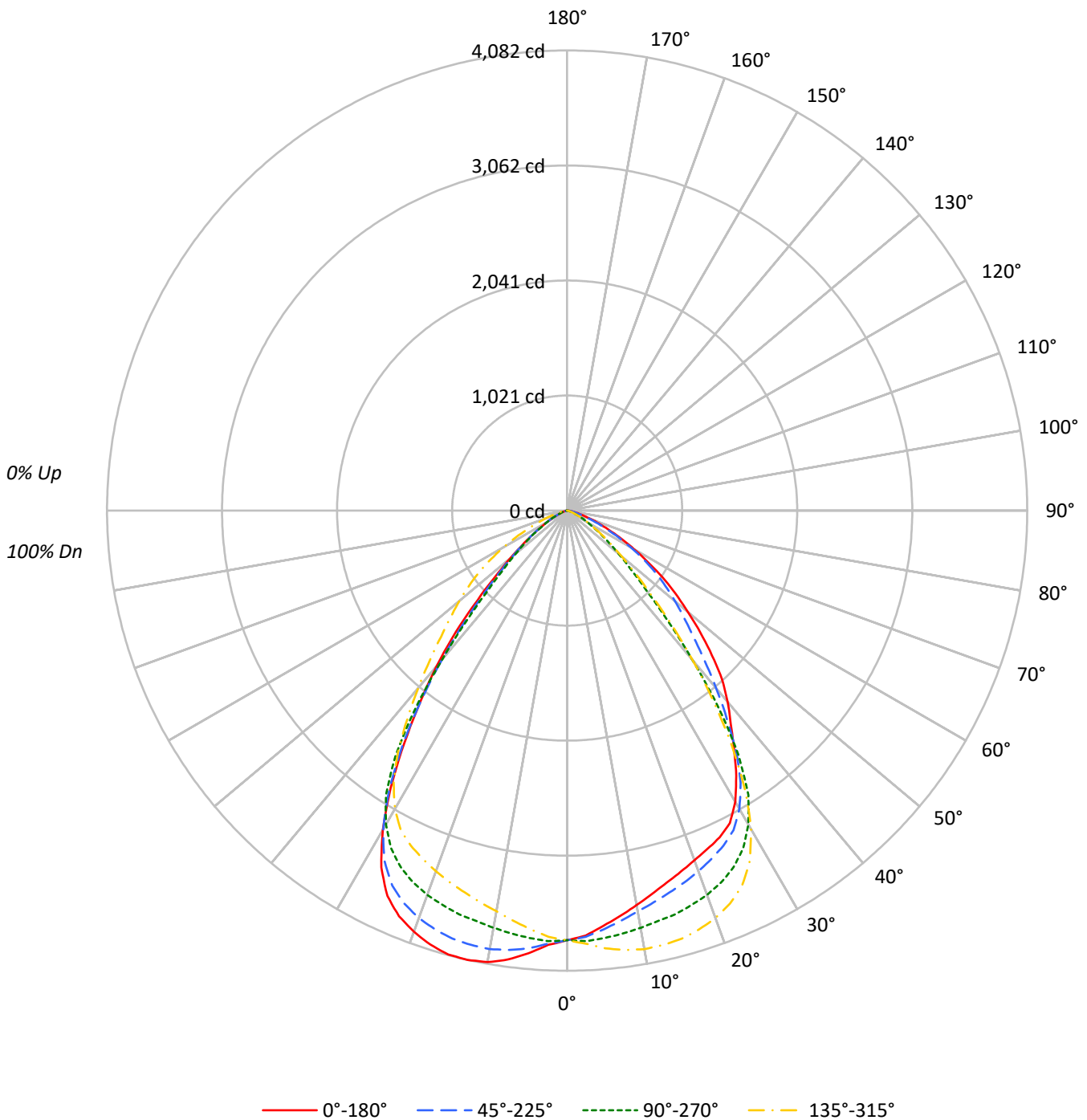
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

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°	117545	117545	117545	117545
5°	114425	117824	122030	117824
10°	111258	117667	127343	117667
15°	109037	118368	130132	118368
20°	108294	119044	130464	119044
25°	108864	118805	128370	118805
30°	106172	114454	116512	114454
35°	97114	99844	94732	99844
40°	89162	69454	72530	69454
45°	79220	42371	49025	42371
50°	67056	28304	31432	28304
55°	55536	19311	20413	19311
60°	42357	12859	12970	12859
65°	30010	8012	7333	8012
70°	21647	5364	4869	5364
75°	13749	2669	2216	2669
80°	9589	1989	1651	1989
85°	8562	0	637	0



TEST NUMBER: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.8	5.7
10°-20°	1050.7	16.4
20°-30°	1590.9	24.8
30°-40°	1594.5	24.8
40°-50°	1001.3	15.6
50°-60°	533.6	8.3
60°-70°	219.4	3.4
70°-80°	58.0	0.9
80°-90°	9.8	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°	3004.4	46.8
0°-40°	4599.0	71.6
0°-60°	6133.8	95.5
0°-90°	6421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6421.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3812	3812	3812	3812	3812	
5°	3697	3806	3942	3806	3697	349
15°	3416	3708	4076	3708	3416	966
25°	3200	3492	3773	3492	3200	1467
35°	2580	2652	2516	2652	2580	1616
45°	1817	972	1124	972	1817	1397
55°	1033	359	380	359	1033	921
65°	411	110	100	110	411	427
75°	115	22	19	22	115	131
85°	24	0	2	0	24	27
90°	0	0	0	0	0	



TEST NUMBER: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3772.9	3769.1	3767.3	3771.0	3772.9	3780.3	3778.5	3782.1	3782.1	3784.1	3787.7
5°	3696.6	3694.7	3696.6	3696.6	3704.0	3711.4	3709.6	3715.2	3718.9	3728.2	3731.9
7.5°	3625.9	3625.9	3623.9	3631.4	3635.1	3646.3	3644.4	3653.7	3659.3	3668.6	3681.6
10°	3553.2	3553.2	3555.1	3560.7	3562.6	3579.3	3579.3	3592.3	3599.7	3609.1	3625.9
12.5°	3482.5	3482.5	3493.7	3489.9	3497.4	3510.4	3516.0	3529.0	3540.2	3558.8	3575.6
15°	3415.5	3415.5	3419.2	3428.5	3434.1	3450.9	3460.1	3475.1	3488.1	3506.7	3530.9
17.5°	3357.8	3355.9	3357.8	3369.0	3380.2	3395.0	3402.4	3421.1	3434.1	3458.3	3480.7
20°	3300.1	3303.8	3303.8	3313.1	3320.6	3339.2	3346.6	3367.1	3382.0	3404.3	3430.4
22.5°	3249.8	3248.0	3248.0	3261.0	3266.6	3283.3	3290.7	3309.4	3326.1	3344.8	3369.0
25°	3199.6	3195.8	3203.3	3205.2	3208.8	3227.5	3233.1	3246.1	3262.9	3279.6	3303.8
27.5°	3125.1	3121.4	3123.3	3130.7	3136.3	3151.2	3154.9	3167.9	3181.0	3195.8	3216.4
30°	2981.8	2978.1	2976.3	2989.3	2994.9	3006.0	3011.6	3033.9	3037.6	3054.4	3069.3
32.5°	2791.9	2790.1	2793.8	2804.9	2810.5	2825.5	2832.9	2845.9	2855.2	2864.6	2879.4
35°	2579.8	2576.0	2579.8	2591.0	2591.0	2604.0	2609.6	2615.1	2613.3	2615.1	2611.4
37.5°	2382.5	2380.6	2382.5	2388.0	2382.5	2388.0	2382.5	2371.3	2350.9	2328.5	2306.1
40°	2215.0	2216.8	2205.7	2213.1	2192.6	2188.9	2168.4	2140.5	2099.6	2054.9	1991.6
42.5°	2036.3	2030.7	2023.3	2026.9	2010.2	1997.1	1963.7	1928.3	1876.2	1801.8	1725.4
45°	1816.6	1814.8	1811.0	1809.2	1798.0	1785.0	1757.0	1716.1	1658.4	1582.1	1490.9
47.5°	1602.6	1597.0	1597.0	1598.8	1585.8	1584.0	1561.6	1526.3	1476.0	1401.6	1306.6
50°	1397.8	1396.0	1399.7	1407.1	1397.8	1394.1	1379.3	1355.0	1310.4	1247.1	1157.7
52.5°	1213.5	1211.7	1215.5	1224.7	1221.0	1224.7	1209.9	1191.3	1161.4	1100.0	1021.9
55°	1033.0	1033.0	1033.0	1044.2	1044.2	1044.2	1036.7	1025.6	997.7	953.0	880.4
57.5°	845.0	846.9	858.1	859.9	858.1	861.8	859.9	848.7	830.2	798.5	742.7
60°	686.8	686.8	692.4	698.0	696.1	698.0	698.0	692.4	673.8	647.8	603.1
62.5°	543.5	549.1	545.3	549.1	556.5	549.1	545.3	541.7	528.6	511.8	474.6
65°	411.3	415.1	415.1	416.9	413.2	415.1	407.7	402.1	394.6	376.0	351.8
67.5°	312.7	312.7	312.7	312.7	310.8	309.0	307.1	301.5	288.5	281.1	255.0
70°	240.1	228.9	228.9	228.9	228.9	230.8	225.2	217.8	214.1	201.0	182.4
72.5°	160.0	163.8	160.0	160.0	156.4	158.2	150.8	147.0	143.3	135.9	124.7
75°	115.4	106.1	109.8	111.7	106.1	109.8	102.4	94.9	94.9	89.3	83.7
77.5°	74.5	72.6	74.5	76.3	74.5	72.6	68.9	65.1	65.1	63.3	57.7
80°	54.0	52.1	52.1	52.1	50.3	52.1	48.4	48.4	44.7	42.8	39.1
82.5°	35.4	35.4	33.5	35.4	33.5	35.4	29.8	29.8	29.8	27.9	24.2
85°	24.2	20.5	20.5	22.4	18.6	22.4	20.5	18.6	16.8	16.8	14.9
87.5°	11.2	13.0	11.2	13.0	11.2	11.2	13.0	11.2	11.2	7.4	7.4
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: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3793.3	3795.2	3795.2	3802.7	3806.4	3808.2	3808.2	3823.1	3817.5	3821.3	3825.0
5°	3739.4	3750.5	3754.3	3754.3	3774.7	3782.1	3789.6	3806.4	3808.2	3819.4	3832.4
7.5°	3687.2	3700.2	3707.8	3724.5	3737.5	3750.5	3772.9	3784.1	3795.2	3810.1	3826.8
10°	3637.0	3651.9	3666.8	3679.8	3700.2	3717.0	3731.9	3757.9	3771.0	3791.5	3813.8
12.5°	3588.6	3609.1	3622.1	3644.4	3666.8	3681.6	3704.0	3728.2	3748.7	3769.1	3795.2
15°	3545.8	3570.0	3584.9	3609.1	3633.3	3653.7	3677.9	3707.8	3722.6	3746.8	3771.0
17.5°	3499.2	3525.3	3544.0	3566.2	3596.0	3618.3	3638.9	3668.6	3687.2	3713.3	3741.2
20°	3450.9	3476.9	3499.2	3521.6	3551.4	3573.7	3597.9	3627.7	3648.1	3674.2	3696.6
22.5°	3393.2	3417.4	3441.5	3467.6	3497.4	3516.0	3544.0	3570.0	3592.3	3616.5	3638.9
25°	3318.7	3348.5	3367.1	3391.3	3415.5	3435.9	3465.7	3491.8	3510.4	3532.8	3553.2
27.5°	3231.2	3253.6	3268.5	3288.9	3313.1	3331.7	3354.0	3380.2	3398.8	3419.2	3434.1
30°	3082.3	3102.8	3115.8	3130.7	3154.9	3171.7	3190.3	3214.4	3227.5	3242.4	3255.4
32.5°	2886.8	2903.6	2911.1	2922.2	2939.0	2955.7	2970.7	2991.1	2996.7	3006.0	3006.0
35°	2604.0	2607.7	2605.8	2609.6	2617.0	2626.3	2639.3	2652.3	2659.8	2659.8	2654.2
37.5°	2272.6	2250.3	2226.1	2207.5	2201.9	2198.2	2205.7	2211.2	2218.7	2222.4	2213.1
40°	1928.3	1878.1	1824.1	1775.7	1742.2	1727.3	1721.7	1725.4	1725.4	1738.4	1738.4
42.5°	1632.4	1554.2	1474.2	1401.6	1353.1	1316.0	1299.2	1299.2	1301.0	1310.4	1316.0
45°	1386.7	1288.0	1194.9	1114.9	1047.9	999.5	977.2	971.6	969.8	973.4	986.5
47.5°	1198.7	1096.3	999.5	900.9	830.2	781.8	761.3	753.8	746.4	753.8	755.7
50°	1051.7	945.6	843.2	744.5	670.1	627.2	601.2	590.0	588.2	588.2	591.9
52.5°	917.6	819.0	716.6	616.1	537.9	497.0	472.8	467.2	459.8	467.2	467.2
55°	791.0	692.4	591.9	497.0	431.8	389.0	366.7	359.2	355.5	361.1	361.1
57.5°	653.4	569.5	476.5	390.9	325.8	296.0	279.2	269.9	268.0	271.7	268.0
60°	536.1	465.3	385.3	307.1	256.9	225.2	212.2	208.5	204.7	208.5	208.5
62.5°	424.4	364.8	299.6	240.1	197.3	175.0	160.0	160.0	158.2	158.2	160.0
65°	314.6	268.0	221.5	171.2	137.7	121.0	109.8	109.8	107.9	109.8	107.9
67.5°	228.9	197.3	160.0	124.7	98.7	89.3	81.9	76.3	80.1	76.3	74.5
70°	167.6	141.4	115.4	94.9	76.3	67.0	61.4	59.5	55.9	55.9	55.9
72.5°	111.7	94.9	78.1	61.4	50.3	40.9	39.1	35.4	31.6	33.5	37.2
75°	74.5	63.3	55.9	44.7	33.5	33.5	22.4	22.4	18.6	22.4	16.8
77.5°	52.1	42.8	33.5	27.9	22.4	20.5	14.9	14.9	13.0	13.0	13.0
80°	37.2	31.6	24.2	20.5	14.9	14.9	13.0	11.2	9.3	9.3	11.2
82.5°	22.4	16.8	16.8	14.9	9.3	7.4	5.6	7.4	3.8	3.8	3.8
85°	13.0	11.2	9.3	5.6	3.8	3.8	1.8	0.0	1.8	1.8	0.0
87.5°	7.4	3.8	3.8	1.8	0.0	1.8	1.8	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



TEST NUMBER: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3834.3	3832.4	3836.2	3836.2	3847.3	3845.4	3851.0	3851.0	3847.3	3849.2	3856.6
5°	3847.3	3852.9	3864.0	3873.4	3890.1	3897.6	3906.9	3916.2	3918.1	3923.6	3929.2
7.5°	3847.3	3866.0	3879.0	3895.7	3918.1	3931.1	3951.5	3968.3	3975.7	3985.0	3996.2
10°	3839.8	3858.4	3882.7	3901.3	3929.2	3949.7	3970.1	3996.2	4007.4	4022.2	4037.2
12.5°	3825.0	3845.4	3871.5	3895.7	3927.3	3945.9	3972.0	3996.2	4013.0	4033.4	4050.2
15°	3802.7	3826.8	3851.0	3875.2	3908.7	3931.1	3955.3	3983.2	4000.0	4022.2	4037.2
17.5°	3767.3	3793.3	3815.7	3838.0	3869.6	3895.7	3918.1	3944.1	3960.9	3979.5	4000.0
20°	3724.5	3748.7	3772.9	3791.5	3823.1	3845.4	3869.6	3893.8	3906.9	3910.6	3942.3
22.5°	3670.5	3687.2	3705.8	3735.6	3754.3	3774.7	3797.1	3819.4	3832.4	3852.9	3864.0
25°	3581.1	3597.9	3618.3	3631.4	3653.7	3670.5	3692.8	3717.0	3724.5	3739.4	3750.5
27.5°	3456.5	3465.7	3475.1	3486.2	3499.2	3508.6	3521.6	3532.8	3540.2	3547.6	3555.1
30°	3259.1	3259.1	3259.1	3251.7	3257.3	3262.9	3264.7	3262.9	3262.9	3261.0	3261.0
32.5°	2998.5	2983.7	2966.9	2952.0	2946.5	2939.0	2935.3	2929.7	2920.4	2914.8	2916.6
35°	2646.7	2613.3	2592.8	2574.2	2559.3	2548.1	2542.5	2537.0	2535.1	2527.7	2520.2
37.5°	2207.5	2183.3	2168.4	2157.3	2144.2	2133.1	2134.9	2136.8	2142.3	2138.6	2140.5
40°	1742.2	1736.6	1742.2	1729.1	1725.4	1729.1	1738.4	1751.5	1759.0	1766.4	1779.4
42.5°	1325.2	1334.5	1347.6	1347.6	1353.1	1360.6	1371.8	1392.3	1403.4	1416.4	1431.4
45°	997.7	1008.8	1025.6	1031.1	1034.9	1044.2	1057.3	1074.0	1081.4	1092.6	1105.6
47.5°	768.7	776.2	785.4	794.8	804.1	807.8	820.8	820.8	830.2	837.6	841.3
50°	599.3	606.8	614.2	619.8	623.6	629.1	632.8	638.4	640.3	644.0	645.8
52.5°	469.0	478.4	478.4	482.0	487.6	493.2	491.4	493.2	495.1	495.1	500.7
55°	366.7	366.7	372.3	372.3	376.0	374.1	376.0	376.0	376.0	376.0	377.9
57.5°	273.6	275.5	281.1	277.3	275.5	279.2	275.5	279.2	277.3	281.1	275.5
60°	210.3	210.3	212.2	212.2	214.1	214.1	214.1	212.2	212.2	210.3	210.3
62.5°	158.2	160.0	162.0	160.0	160.0	160.0	158.2	158.2	156.4	154.5	154.5
65°	106.1	104.3	107.9	104.3	106.1	106.1	104.3	106.1	100.5	102.4	100.5
67.5°	76.3	74.5	72.6	74.5	72.6	70.7	70.7	72.6	74.5	68.9	68.9
70°	50.3	52.1	50.3	52.1	54.0	54.0	52.1	50.3	52.1	48.4	50.3
72.5°	31.6	31.6	31.6	31.6	31.6	33.5	33.5	33.5	29.8	29.8	27.9
75°	14.9	20.5	16.8	14.9	20.5	20.5	18.6	18.6	16.8	16.8	16.8
77.5°	14.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	9.3	11.2	9.3
80°	7.4	7.4	7.4	5.6	7.4	7.4	9.3	7.4	7.4	5.6	9.3
82.5°	3.8	3.8	3.8	0.0	1.8	3.8	3.8	1.8	3.8	3.8	1.8
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: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3854.8	3852.9	3854.8	3856.6	3854.8	3852.9	3854.8	3856.6	3849.2	3847.3	3851.0
5°	3936.7	3936.7	3940.3	3942.3	3940.3	3936.7	3936.7	3929.2	3923.6	3918.1	3916.2
7.5°	4007.4	4011.1	4014.8	4016.7	4014.8	4011.1	4007.4	3996.2	3985.0	3975.7	3968.3
10°	4050.2	4055.8	4063.2	4066.9	4063.2	4055.8	4050.2	4037.2	4022.2	4007.4	3996.2
12.5°	4068.8	4074.4	4083.7	4081.9	4083.7	4074.4	4068.8	4050.2	4033.4	4013.0	3996.2
15°	4055.8	4063.2	4072.5	4076.3	4072.5	4063.2	4055.8	4037.2	4022.2	4000.0	3983.2
17.5°	4014.8	4026.0	4031.6	4037.2	4031.6	4026.0	4014.8	4000.0	3979.5	3960.9	3944.1
20°	3959.0	3966.5	3973.9	3975.7	3973.9	3966.5	3959.0	3942.3	3910.6	3906.9	3893.8
22.5°	3879.0	3884.6	3901.3	3895.7	3901.3	3884.6	3879.0	3864.0	3852.9	3832.4	3819.4
25°	3763.5	3769.1	3771.0	3772.9	3771.0	3769.1	3763.5	3750.5	3739.4	3724.5	3717.0
27.5°	3564.4	3564.4	3568.1	3570.0	3568.1	3564.4	3564.4	3555.1	3547.6	3540.2	3532.8
30°	3262.9	3262.9	3262.9	3272.2	3262.9	3262.9	3262.9	3261.0	3261.0	3262.9	3262.9
32.5°	2914.8	2911.1	2907.4	2911.1	2907.4	2911.1	2914.8	2916.6	2914.8	2920.4	2929.7
35°	2520.2	2518.3	2523.9	2516.5	2523.9	2518.3	2520.2	2520.2	2527.7	2535.1	2537.0
37.5°	2142.3	2138.6	2146.1	2138.6	2146.1	2138.6	2142.3	2140.5	2138.6	2142.3	2136.8
40°	1783.2	1786.8	1786.8	1801.8	1786.8	1786.8	1783.2	1779.4	1766.4	1759.0	1751.5
42.5°	1438.8	1450.0	1446.2	1457.4	1446.2	1450.0	1438.8	1431.4	1416.4	1403.4	1392.3
45°	1113.0	1120.5	1120.5	1124.2	1120.5	1120.5	1113.0	1105.6	1092.6	1081.4	1074.0
47.5°	854.3	854.3	854.3	856.2	854.3	854.3	854.3	841.3	837.6	830.2	820.8
50°	649.6	651.4	653.4	655.2	653.4	651.4	649.6	645.8	644.0	640.3	638.4
52.5°	498.8	500.7	497.0	500.7	497.0	500.7	498.8	500.7	495.1	495.1	493.2
55°	377.9	376.0	377.9	379.7	377.9	376.0	377.9	377.9	376.0	376.0	376.0
57.5°	277.3	273.6	273.6	273.6	273.6	273.6	277.3	275.5	281.1	277.3	279.2
60°	206.6	208.5	208.5	210.3	208.5	208.5	206.6	210.3	210.3	212.2	212.2
62.5°	152.6	158.2	154.5	158.2	154.5	158.2	152.6	154.5	154.5	156.4	158.2
65°	98.7	98.7	98.7	100.5	98.7	98.7	98.7	100.5	102.4	100.5	106.1
67.5°	67.0	68.9	72.6	70.7	72.6	68.9	67.0	68.9	68.9	74.5	72.6
70°	54.0	48.4	48.4	54.0	48.4	48.4	54.0	50.3	48.4	52.1	50.3
72.5°	31.6	27.9	31.6	31.6	31.6	27.9	31.6	27.9	29.8	29.8	33.5
75°	16.8	14.9	13.0	18.6	13.0	14.9	16.8	16.8	16.8	16.8	18.6
77.5°	11.2	9.3	13.0	13.0	13.0	9.3	11.2	9.3	11.2	9.3	11.2
80°	5.6	7.4	5.6	9.3	5.6	7.4	5.6	9.3	5.6	7.4	7.4
82.5°	1.8	3.8	3.8	3.8	3.8	3.8	1.8	1.8	3.8	3.8	1.8
85°	0.0	3.8	1.8	1.8	1.8	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.0	0.0	1.8	0.0	0.0	1.8	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: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3851.0	3845.4	3847.3	3836.2	3836.2	3832.4	3834.3	3825.0	3821.3	3817.5	3823.1
5°	3906.9	3897.6	3890.1	3873.4	3864.0	3852.9	3847.3	3832.4	3819.4	3808.2	3806.4
7.5°	3951.5	3931.1	3918.1	3895.7	3879.0	3866.0	3847.3	3826.8	3810.1	3795.2	3784.1
10°	3970.1	3949.7	3929.2	3901.3	3882.7	3858.4	3839.8	3813.8	3791.5	3771.0	3757.9
12.5°	3972.0	3945.9	3927.3	3895.7	3871.5	3845.4	3825.0	3795.2	3769.1	3748.7	3728.2
15°	3955.3	3931.1	3908.7	3875.2	3851.0	3826.8	3802.7	3771.0	3746.8	3722.6	3707.8
17.5°	3918.1	3895.7	3869.6	3838.0	3815.7	3793.3	3767.3	3741.2	3713.3	3687.2	3668.6
20°	3869.6	3845.4	3823.1	3791.5	3772.9	3748.7	3724.5	3696.6	3674.2	3648.1	3627.7
22.5°	3797.1	3774.7	3754.3	3735.6	3705.8	3687.2	3670.5	3638.9	3616.5	3592.3	3570.0
25°	3692.8	3670.5	3653.7	3631.4	3618.3	3597.9	3581.1	3553.2	3532.8	3510.4	3491.8
27.5°	3521.6	3508.6	3499.2	3486.2	3475.1	3465.7	3456.5	3434.1	3419.2	3398.8	3380.2
30°	3264.7	3262.9	3257.3	3251.7	3259.1	3259.1	3259.1	3255.4	3242.4	3227.5	3214.4
32.5°	2935.3	2939.0	2946.5	2952.0	2966.9	2983.7	2998.5	3006.0	3006.0	2996.7	2991.1
35°	2542.5	2548.1	2559.3	2574.2	2592.8	2613.3	2646.7	2654.2	2659.8	2659.8	2652.3
37.5°	2134.9	2133.1	2144.2	2157.3	2168.4	2183.3	2207.5	2213.1	2222.4	2218.7	2211.2
40°	1738.4	1729.1	1725.4	1729.1	1742.2	1736.6	1742.2	1738.4	1738.4	1725.4	1725.4
42.5°	1371.8	1360.6	1353.1	1347.6	1347.6	1334.5	1325.2	1316.0	1310.4	1301.0	1299.2
45°	1057.3	1044.2	1034.9	1031.1	1025.6	1008.8	997.7	986.5	973.4	969.8	971.6
47.5°	820.8	807.8	804.1	794.8	785.4	776.2	768.7	755.7	753.8	746.4	753.8
50°	632.8	629.1	623.6	619.8	614.2	606.8	599.3	591.9	588.2	588.2	590.0
52.5°	491.4	493.2	487.6	482.0	478.4	478.4	469.0	467.2	467.2	459.8	467.2
55°	376.0	374.1	376.0	372.3	372.3	366.7	366.7	361.1	361.1	355.5	359.2
57.5°	275.5	279.2	275.5	277.3	281.1	275.5	273.6	268.0	271.7	268.0	269.9
60°	214.1	214.1	214.1	212.2	212.2	210.3	210.3	208.5	208.5	204.7	208.5
62.5°	158.2	160.0	160.0	160.0	162.0	160.0	158.2	160.0	158.2	158.2	160.0
65°	104.3	106.1	106.1	104.3	107.9	104.3	106.1	107.9	109.8	107.9	109.8
67.5°	70.7	70.7	72.6	74.5	72.6	74.5	76.3	74.5	76.3	80.1	76.3
70°	52.1	54.0	54.0	52.1	50.3	52.1	50.3	55.9	55.9	55.9	59.5
72.5°	33.5	33.5	31.6	31.6	31.6	31.6	31.6	37.2	33.5	31.6	35.4
75°	18.6	20.5	20.5	14.9	16.8	20.5	14.9	16.8	22.4	18.6	22.4
77.5°	11.2	11.2	11.2	11.2	11.2	11.2	14.9	13.0	13.0	13.0	14.9
80°	9.3	7.4	7.4	5.6	7.4	7.4	7.4	11.2	9.3	9.3	11.2
82.5°	3.8	3.8	1.8	0.0	3.8	3.8	3.8	3.8	3.8	3.8	7.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	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: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3808.2	3808.2	3806.4	3802.7	3795.2	3795.2	3793.3	3787.7	3784.1	3782.1	3782.1
5°	3789.6	3782.1	3774.7	3754.3	3754.3	3750.5	3739.4	3731.9	3728.2	3718.9	3715.2
7.5°	3772.9	3750.5	3737.5	3724.5	3707.8	3700.2	3687.2	3681.6	3668.6	3659.3	3653.7
10°	3731.9	3717.0	3700.2	3679.8	3666.8	3651.9	3637.0	3625.9	3609.1	3599.7	3592.3
12.5°	3704.0	3681.6	3666.8	3644.4	3622.1	3609.1	3588.6	3575.6	3558.8	3540.2	3529.0
15°	3677.9	3653.7	3633.3	3609.1	3584.9	3570.0	3545.8	3530.9	3506.7	3488.1	3475.1
17.5°	3638.9	3618.3	3596.0	3566.2	3544.0	3525.3	3499.2	3480.7	3458.3	3434.1	3421.1
20°	3597.9	3573.7	3551.4	3521.6	3499.2	3476.9	3450.9	3430.4	3404.3	3382.0	3367.1
22.5°	3544.0	3516.0	3497.4	3467.6	3441.5	3417.4	3393.2	3369.0	3344.8	3326.1	3309.4
25°	3465.7	3435.9	3415.5	3391.3	3367.1	3348.5	3318.7	3303.8	3279.6	3262.9	3246.1
27.5°	3354.0	3331.7	3313.1	3288.9	3268.5	3253.6	3231.2	3216.4	3195.8	3181.0	3167.9
30°	3190.3	3171.7	3154.9	3130.7	3115.8	3102.8	3082.3	3069.3	3054.4	3037.6	3033.9
32.5°	2970.7	2955.7	2939.0	2922.2	2911.1	2903.6	2886.8	2879.4	2864.6	2855.2	2845.9
35°	2639.3	2626.3	2617.0	2609.6	2605.8	2607.7	2604.0	2611.4	2615.1	2613.3	2615.1
37.5°	2205.7	2198.2	2201.9	2207.5	2226.1	2250.3	2272.6	2306.1	2328.5	2350.9	2371.3
40°	1721.7	1727.3	1742.2	1775.7	1824.1	1878.1	1928.3	1991.6	2054.9	2099.6	2140.5
42.5°	1299.2	1316.0	1353.1	1401.6	1474.2	1554.2	1632.4	1725.4	1801.8	1876.2	1928.3
45°	977.2	999.5	1047.9	1114.9	1194.9	1288.0	1386.7	1490.9	1582.1	1658.4	1716.1
47.5°	761.3	781.8	830.2	900.9	999.5	1096.3	1198.7	1306.6	1401.6	1476.0	1526.3
50°	601.2	627.2	670.1	744.5	843.2	945.6	1051.7	1157.7	1247.1	1310.4	1355.0
52.5°	472.8	497.0	537.9	616.1	716.6	819.0	917.6	1021.9	1100.0	1161.4	1191.3
55°	366.7	389.0	431.8	497.0	591.9	692.4	791.0	880.4	953.0	997.7	1025.6
57.5°	279.2	296.0	325.8	390.9	476.5	569.5	653.4	742.7	798.5	830.2	848.7
60°	212.2	225.2	256.9	307.1	385.3	465.3	536.1	603.1	647.8	673.8	692.4
62.5°	160.0	175.0	197.3	240.1	299.6	364.8	424.4	474.6	511.8	528.6	541.7
65°	109.8	121.0	137.7	171.2	221.5	268.0	314.6	351.8	376.0	394.6	402.1
67.5°	81.9	89.3	98.7	124.7	160.0	197.3	228.9	255.0	281.1	288.5	301.5
70°	61.4	67.0	76.3	94.9	115.4	141.4	167.6	182.4	201.0	214.1	217.8
72.5°	39.1	40.9	50.3	61.4	78.1	94.9	111.7	124.7	135.9	143.3	147.0
75°	22.4	33.5	33.5	44.7	55.9	63.3	74.5	83.7	89.3	94.9	94.9
77.5°	14.9	20.5	22.4	27.9	33.5	42.8	52.1	57.7	63.3	65.1	65.1
80°	13.0	14.9	14.9	20.5	24.2	31.6	37.2	39.1	42.8	44.7	48.4
82.5°	5.6	7.4	9.3	14.9	16.8	16.8	22.4	24.2	27.9	29.8	29.8
85°	1.8	3.8	3.8	5.6	9.3	11.2	13.0	14.9	16.8	16.8	18.6
87.5°	1.8	1.8	0.0	1.8	3.8	3.8	7.4	7.4	7.4	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P248606

CATALOG NUMBER: LSR8B70D010 EC8B70935 8LBSW0H

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9	3811.9
2.5°	3778.5	3780.3	3772.9	3771.0	3767.3	3769.1	3772.9
5°	3709.6	3711.4	3704.0	3696.6	3696.6	3694.7	3696.6
7.5°	3644.4	3646.3	3635.1	3631.4	3623.9	3625.9	3625.9
10°	3579.3	3579.3	3562.6	3560.7	3555.1	3553.2	3553.2
12.5°	3516.0	3510.4	3497.4	3489.9	3493.7	3482.5	3482.5
15°	3460.1	3450.9	3434.1	3428.5	3419.2	3415.5	3415.5
17.5°	3402.4	3395.0	3380.2	3369.0	3357.8	3355.9	3357.8
20°	3346.6	3339.2	3320.6	3313.1	3303.8	3303.8	3300.1
22.5°	3290.7	3283.3	3266.6	3261.0	3248.0	3248.0	3249.8
25°	3233.1	3227.5	3208.8	3205.2	3203.3	3195.8	3199.6
27.5°	3154.9	3151.2	3136.3	3130.7	3123.3	3121.4	3125.1
30°	3011.6	3006.0	2994.9	2989.3	2976.3	2978.1	2981.8
32.5°	2832.9	2825.5	2810.5	2804.9	2793.8	2790.1	2791.9
35°	2609.6	2604.0	2591.0	2591.0	2579.8	2576.0	2579.8
37.5°	2382.5	2388.0	2382.5	2388.0	2382.5	2380.6	2382.5
40°	2168.4	2188.9	2192.6	2213.1	2205.7	2216.8	2215.0
42.5°	1963.7	1997.1	2010.2	2026.9	2023.3	2030.7	2036.3
45°	1757.0	1785.0	1798.0	1809.2	1811.0	1814.8	1816.6
47.5°	1561.6	1584.0	1585.8	1598.8	1597.0	1597.0	1602.6
50°	1379.3	1394.1	1397.8	1407.1	1399.7	1396.0	1397.8
52.5°	1209.9	1224.7	1221.0	1224.7	1215.5	1211.7	1213.5
55°	1036.7	1044.2	1044.2	1044.2	1033.0	1033.0	1033.0
57.5°	859.9	861.8	858.1	859.9	858.1	846.9	845.0
60°	698.0	698.0	696.1	698.0	692.4	686.8	686.8
62.5°	545.3	549.1	556.5	549.1	545.3	549.1	543.5
65°	407.7	415.1	413.2	416.9	415.1	415.1	411.3
67.5°	307.1	309.0	310.8	312.7	312.7	312.7	312.7
70°	225.2	230.8	228.9	228.9	228.9	228.9	240.1
72.5°	150.8	158.2	156.4	160.0	160.0	163.8	160.0
75°	102.4	109.8	106.1	111.7	109.8	106.1	115.4
77.5°	68.9	72.6	74.5	76.3	74.5	72.6	74.5
80°	48.4	52.1	50.3	52.1	52.1	52.1	54.0
82.5°	29.8	35.4	33.5	35.4	33.5	35.4	35.4
85°	20.5	22.4	18.6	22.4	20.5	20.5	24.2
87.5°	13.0	11.2	11.2	13.0	11.2	13.0	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)