

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: P248741

Luminaire Tested: **LSR8B70D010 EC8B70927 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248741
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 EC8B70927 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5846.6 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

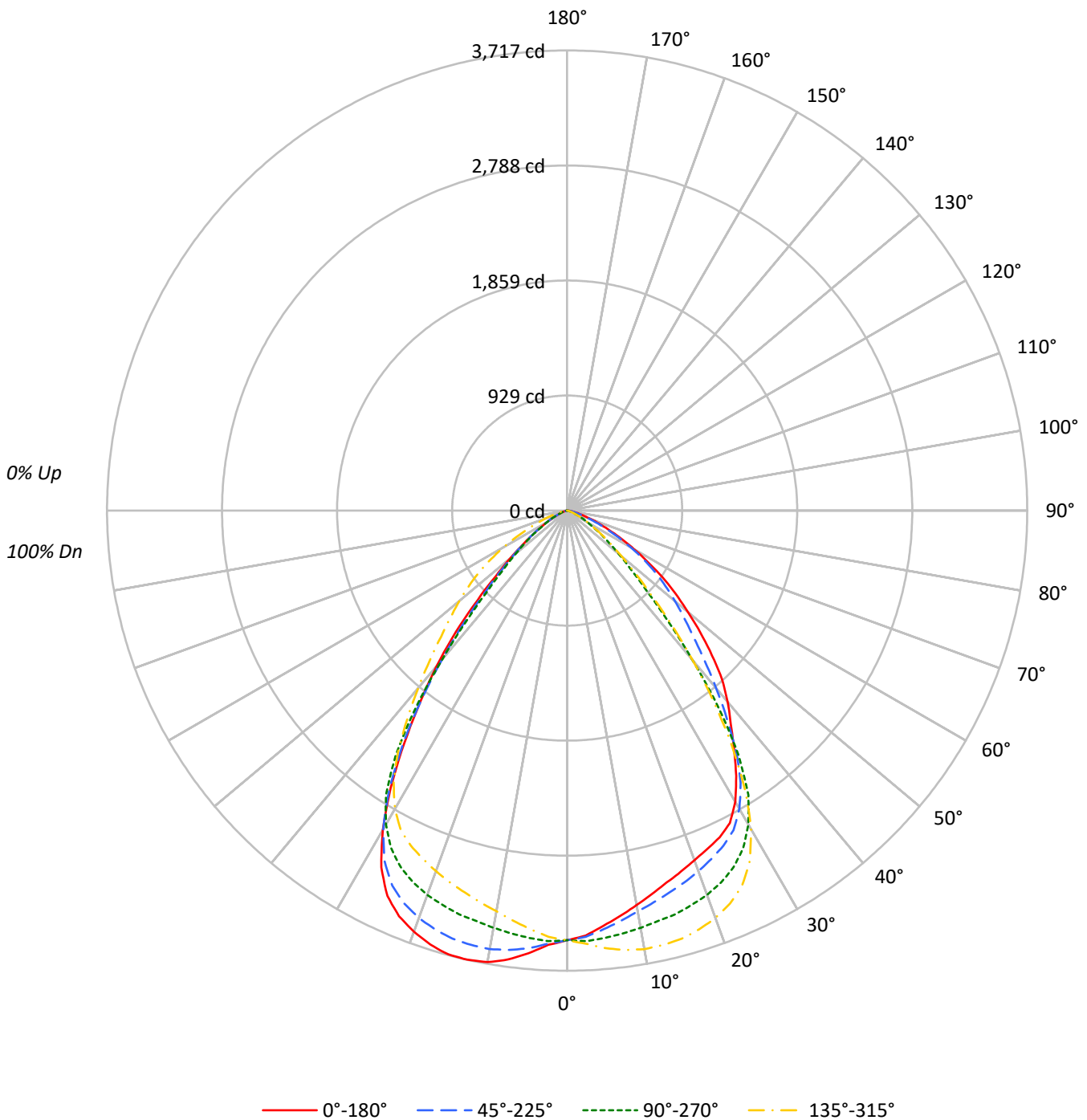
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	Luminaire represents a point source (luminous area is zero).			
5°	No luminance values can be calculated.			
10°				
15°				
20°				
25°				
30°				
35°				
40°				
45°				
50°				
55°				
60°				
65°				
70°				
75°				
80°				
85°				



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.4	5.7
10°-20°	956.7	16.4
20°-30°	1448.6	24.8
30°-40°	1451.9	24.8
40°-50°	911.7	15.6
50°-60°	485.8	8.3
60°-70°	199.8	3.4
70°-80°	52.8	0.9
80°-90°	8.9	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2735.7	46.8
0°-40°	4187.6	71.6
0°-60°	5585.1	95.5
0°-90°	5846.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5846.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3471	3471	3471	3471	3471	
5°	3366	3466	3590	3466	3366	317
15°	3110	3376	3712	3376	3110	880
25°	2913	3180	3435	3180	2913	1336
35°	2349	2415	2291	2415	2349	1472
45°	1654	885	1024	885	1654	1272
55°	941	327	346	327	941	839
65°	374	100	92	100	374	389
75°	105	20	17	20	105	119
85°	22	0	2	0	22	24
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°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3435.4	3431.9	3430.2	3433.7	3435.4	3442.2	3440.5	3443.8	3443.8	3445.5	3448.9
5°	3365.9	3364.2	3365.9	3365.9	3372.6	3379.4	3377.8	3382.9	3386.2	3394.7	3398.1
7.5°	3301.5	3301.5	3299.7	3306.5	3310.0	3320.1	3318.4	3326.8	3332.0	3340.5	3352.3
10°	3235.4	3235.4	3237.1	3242.1	3243.9	3259.1	3259.1	3270.9	3277.7	3286.2	3301.5
12.5°	3171.0	3171.0	3181.2	3177.8	3184.5	3196.4	3201.5	3213.3	3223.6	3240.5	3255.8
15°	3110.0	3110.0	3113.3	3121.8	3126.9	3142.1	3150.7	3164.2	3176.1	3193.1	3215.0
17.5°	3057.4	3055.7	3057.4	3067.6	3077.8	3091.3	3098.1	3115.0	3126.9	3149.0	3169.4
20°	3004.9	3008.4	3008.4	3016.8	3023.5	3040.4	3047.3	3066.0	3079.5	3099.7	3123.6
22.5°	2959.1	2957.4	2957.4	2969.3	2974.4	2989.6	2996.4	3013.3	3028.6	3045.6	3067.6
25°	2913.4	2909.9	2916.8	2918.5	2921.8	2938.7	2943.9	2955.7	2971.0	2986.3	3008.4
27.5°	2845.6	2842.2	2843.9	2850.6	2855.7	2869.3	2872.7	2884.6	2896.4	2909.9	2928.6
30°	2715.1	2711.7	2710.0	2721.8	2727.0	2737.1	2742.2	2762.5	2765.9	2781.2	2794.7
32.5°	2542.2	2540.5	2544.0	2554.1	2559.2	2572.8	2579.5	2591.3	2599.8	2608.3	2621.8
35°	2349.0	2345.6	2349.0	2359.2	2359.2	2371.0	2376.1	2381.2	2379.5	2381.2	2377.8
37.5°	2169.3	2167.6	2169.3	2174.4	2169.3	2174.4	2169.3	2159.2	2140.5	2120.2	2099.8
40°	2016.8	2018.5	2008.4	2015.1	1996.4	1993.0	1974.5	1949.1	1911.7	1871.1	1813.5
42.5°	1854.1	1849.0	1842.3	1845.7	1830.4	1818.4	1788.0	1755.9	1708.3	1640.6	1571.1
45°	1654.1	1652.5	1649.0	1647.3	1637.2	1625.3	1599.9	1562.6	1510.1	1440.6	1357.5
47.5°	1459.2	1454.2	1454.2	1455.9	1443.9	1442.2	1421.9	1389.7	1344.0	1276.2	1189.8
50°	1272.7	1271.1	1274.5	1281.3	1272.7	1269.4	1255.8	1233.8	1193.2	1135.6	1054.1
52.5°	1105.0	1103.3	1106.8	1115.2	1111.7	1115.2	1101.6	1084.7	1057.5	1001.6	930.5
55°	940.6	940.6	940.6	950.7	950.7	950.7	944.0	933.9	908.4	867.7	801.7
57.5°	769.5	771.1	781.3	783.0	781.3	784.7	783.0	772.8	755.9	727.1	676.2
60°	625.4	625.4	630.4	635.6	633.8	635.6	635.6	630.4	613.6	589.8	549.1
62.5°	494.9	500.0	496.6	500.0	506.7	500.0	496.6	493.2	481.4	466.1	432.1
65°	374.5	378.0	378.0	379.7	376.2	378.0	371.1	366.1	359.3	342.3	320.3
67.5°	284.7	284.7	284.7	284.7	283.0	281.4	279.7	274.6	262.7	255.9	232.2
70°	218.6	208.5	208.5	208.5	208.5	210.2	205.1	198.3	195.0	183.0	166.0
72.5°	145.7	149.2	145.7	145.7	142.4	144.0	137.2	133.9	130.5	123.8	113.5
75°	105.1	96.6	100.0	101.7	96.6	100.0	93.1	86.4	86.4	81.3	76.3
77.5°	67.8	66.1	67.8	69.5	67.8	66.1	62.7	59.3	59.3	57.6	52.5
80°	49.2	47.5	47.5	47.5	45.8	47.5	44.1	44.1	40.7	39.0	35.6
82.5°	32.2	32.2	30.5	32.2	30.5	32.2	27.1	27.1	27.1	25.4	22.0
85°	22.0	18.7	18.7	20.4	17.0	20.4	18.7	17.0	15.3	15.3	13.5
87.5°	10.2	11.8	10.2	11.8	10.2	10.2	11.8	10.2	10.2	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3454.0	3455.7	3455.7	3462.5	3465.9	3467.6	3467.6	3481.1	3476.0	3479.5	3482.8
5°	3404.9	3415.0	3418.4	3418.4	3437.1	3443.8	3450.6	3465.9	3467.6	3477.7	3489.6
7.5°	3357.3	3369.3	3376.1	3391.3	3403.1	3415.0	3435.4	3445.5	3455.7	3469.3	3484.5
10°	3311.7	3325.3	3338.8	3350.6	3369.3	3384.6	3398.1	3421.8	3433.7	3452.3	3472.6
12.5°	3267.6	3286.2	3298.0	3318.4	3338.8	3352.3	3372.6	3394.7	3413.4	3431.9	3455.7
15°	3228.6	3250.7	3264.2	3286.2	3308.3	3326.8	3348.9	3376.1	3389.6	3411.7	3433.7
17.5°	3186.2	3210.0	3227.0	3247.2	3274.4	3294.7	3313.4	3340.5	3357.3	3381.1	3406.6
20°	3142.1	3165.9	3186.2	3206.6	3233.7	3254.0	3276.0	3303.2	3321.8	3345.5	3365.9
22.5°	3089.7	3111.8	3133.7	3157.4	3184.5	3201.5	3227.0	3250.7	3270.9	3293.0	3313.4
25°	3021.9	3049.0	3066.0	3087.9	3110.0	3128.6	3155.7	3179.5	3196.4	3216.7	3235.4
27.5°	2942.2	2962.6	2976.1	2994.8	3016.8	3033.7	3054.0	3077.8	3094.8	3113.3	3126.9
30°	2806.5	2825.2	2837.1	2850.6	2872.7	2888.0	2905.0	2926.9	2938.7	2952.3	2964.3
32.5°	2628.6	2643.9	2650.6	2660.8	2676.2	2691.3	2705.0	2723.5	2728.7	2737.1	2737.1
35°	2371.0	2374.4	2372.7	2376.1	2382.9	2391.4	2403.2	2415.0	2421.8	2421.8	2416.8
37.5°	2069.3	2049.1	2027.0	2010.0	2005.0	2001.5	2008.4	2013.4	2020.3	2023.5	2015.1
40°	1755.9	1710.1	1661.0	1616.9	1586.4	1572.8	1567.7	1571.1	1571.1	1582.9	1582.9
42.5°	1486.4	1415.1	1342.4	1276.2	1232.1	1198.2	1182.9	1182.9	1184.6	1193.2	1198.2
45°	1262.7	1172.8	1088.0	1015.2	954.2	910.1	889.8	884.7	883.0	886.4	898.2
47.5°	1091.5	998.2	910.1	820.4	755.9	711.8	693.2	686.4	679.6	686.4	688.2
50°	957.6	861.0	767.8	677.9	610.1	571.2	547.4	537.2	535.5	535.5	539.0
52.5°	835.5	745.8	652.5	561.0	489.8	452.5	430.5	425.4	418.6	425.4	425.4
55°	720.2	630.4	539.0	452.5	393.2	354.3	333.9	327.2	323.7	328.7	328.7
57.5°	594.9	518.6	433.9	356.0	296.7	269.4	254.2	245.8	244.0	247.4	244.0
60°	488.1	423.7	350.8	279.7	233.9	205.1	193.3	189.8	186.4	189.8	189.8
62.5°	386.4	332.2	272.8	218.6	179.7	159.3	145.7	145.7	144.0	144.0	145.7
65°	286.4	244.0	201.7	155.9	125.4	110.1	100.0	100.0	98.3	100.0	98.3
67.5°	208.5	179.7	145.7	113.5	89.9	81.3	74.6	69.5	72.9	69.5	67.8
70°	152.5	128.8	105.1	86.4	69.5	61.1	55.9	54.2	50.8	50.8	50.8
72.5°	101.7	86.4	71.1	55.9	45.8	37.2	35.6	32.2	28.8	30.5	33.9
75°	67.8	57.6	50.8	40.7	30.5	30.5	20.4	20.4	17.0	20.4	15.3
77.5°	47.5	39.0	30.5	25.4	20.4	18.7	13.5	13.5	11.8	11.8	11.8
80°	33.9	28.8	22.0	18.7	13.5	13.5	11.8	10.2	8.4	8.4	10.2
82.5°	20.4	15.3	15.3	13.5	8.4	6.8	5.1	6.8	3.4	3.4	3.4
85°	11.8	10.2	8.4	5.1	3.4	3.4	1.7	0.0	1.7	1.7	0.0
87.5°	6.8	3.4	3.4	1.7	0.0	1.7	1.7	0.0	0.0	0.0	3.4
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°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3491.3	3489.6	3493.0	3493.0	3503.1	3501.4	3506.5	3506.5	3503.1	3504.8	3511.6
5°	3503.1	3508.3	3518.4	3526.9	3542.1	3548.9	3557.4	3565.9	3567.6	3572.7	3577.7
7.5°	3503.1	3520.1	3532.0	3547.2	3567.6	3579.4	3598.1	3613.4	3620.1	3628.6	3638.7
10°	3496.4	3513.3	3535.3	3552.3	3577.7	3596.4	3615.0	3638.7	3648.9	3662.4	3676.0
12.5°	3482.8	3501.4	3525.2	3547.2	3576.0	3592.9	3616.6	3638.7	3654.0	3672.7	3687.9
15°	3462.5	3484.5	3506.5	3528.6	3559.0	3579.4	3601.5	3626.9	3642.2	3662.4	3676.0
17.5°	3430.2	3454.0	3474.3	3494.7	3523.5	3547.2	3567.6	3591.3	3606.5	3623.5	3642.2
20°	3391.3	3413.4	3435.4	3452.3	3481.1	3501.4	3523.5	3545.6	3557.4	3560.8	3589.6
22.5°	3342.2	3357.3	3374.3	3401.4	3418.4	3437.1	3457.5	3477.7	3489.6	3508.3	3518.4
25°	3260.8	3276.0	3294.7	3306.5	3326.8	3342.2	3362.5	3384.6	3391.3	3404.9	3415.0
27.5°	3147.3	3155.7	3164.2	3174.3	3186.2	3194.7	3206.6	3216.7	3223.6	3230.3	3237.1
30°	2967.5	2967.5	2967.5	2960.8	2966.0	2971.0	2972.7	2971.0	2971.0	2969.3	2969.3
32.5°	2730.4	2716.8	2701.5	2688.0	2682.9	2676.2	2672.7	2667.6	2659.2	2654.1	2655.8
35°	2410.0	2379.5	2360.9	2343.9	2330.4	2320.2	2315.1	2310.0	2308.4	2301.5	2294.8
37.5°	2010.0	1988.0	1974.5	1964.2	1952.4	1942.2	1943.9	1945.7	1950.6	1947.4	1949.1
40°	1586.4	1581.2	1586.4	1574.4	1571.1	1574.4	1582.9	1594.8	1601.7	1608.4	1620.2
42.5°	1206.7	1215.1	1227.0	1227.0	1232.1	1239.0	1249.1	1267.8	1277.9	1289.7	1303.3
45°	908.4	918.6	933.9	938.9	942.3	950.7	962.7	977.8	984.6	994.8	1006.6
47.5°	700.0	706.7	715.2	723.7	732.2	735.5	747.4	747.4	755.9	762.6	766.0
50°	545.7	552.5	559.2	564.3	567.8	572.8	576.2	581.3	583.0	586.4	588.0
52.5°	427.0	435.6	435.6	439.0	444.0	449.1	447.4	449.1	450.8	450.8	455.8
55°	333.9	333.9	339.0	339.0	342.3	340.7	342.3	342.3	342.3	342.3	344.0
57.5°	249.1	250.9	255.9	252.6	250.9	254.2	250.9	254.2	252.6	255.9	250.9
60°	191.5	191.5	193.3	193.3	195.0	195.0	195.0	193.3	193.3	191.5	191.5
62.5°	144.0	145.7	147.5	145.7	145.7	145.7	144.0	144.0	142.4	140.6	140.6
65°	96.6	95.0	98.3	95.0	96.6	96.6	95.0	96.6	91.6	93.1	91.6
67.5°	69.5	67.8	66.1	67.8	66.1	64.4	64.4	66.1	67.8	62.7	62.7
70°	45.8	47.5	45.8	47.5	49.2	49.2	47.5	45.8	47.5	44.1	45.8
72.5°	28.8	28.8	28.8	28.8	28.8	30.5	30.5	30.5	27.1	27.1	25.4
75°	13.5	18.7	15.3	13.5	18.7	18.7	17.0	17.0	15.3	15.3	15.3
77.5°	13.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	8.4	10.2	8.4
80°	6.8	6.8	6.8	5.1	6.8	6.8	8.4	6.8	6.8	5.1	8.4
82.5°	3.4	3.4	3.4	0.0	1.7	3.4	3.4	1.7	3.4	3.4	1.7
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: P248741

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3510.0	3508.3	3510.0	3511.6	3510.0	3508.3	3510.0	3511.6	3504.8	3503.1	3506.5
5°	3584.5	3584.5	3587.8	3589.6	3587.8	3584.5	3584.5	3577.7	3572.7	3567.6	3565.9
7.5°	3648.9	3652.3	3655.7	3657.4	3655.7	3652.3	3648.9	3638.7	3628.6	3620.1	3613.4
10°	3687.9	3693.0	3699.8	3703.2	3699.8	3693.0	3687.9	3676.0	3662.4	3648.9	3638.7
12.5°	3704.8	3709.9	3718.4	3716.8	3718.4	3709.9	3704.8	3687.9	3672.7	3654.0	3638.7
15°	3693.0	3699.8	3708.2	3711.6	3708.2	3699.8	3693.0	3676.0	3662.4	3642.2	3626.9
17.5°	3655.7	3665.8	3671.0	3676.0	3671.0	3665.8	3655.7	3642.2	3623.5	3606.5	3591.3
20°	3604.8	3611.7	3618.4	3620.1	3618.4	3611.7	3604.8	3589.6	3560.8	3557.4	3545.6
22.5°	3532.0	3537.1	3552.3	3547.2	3552.3	3537.1	3532.0	3518.4	3508.3	3489.6	3477.7
25°	3426.9	3431.9	3433.7	3435.4	3433.7	3431.9	3426.9	3415.0	3404.9	3391.3	3384.6
27.5°	3245.5	3245.5	3248.9	3250.7	3248.9	3245.5	3245.5	3237.1	3230.3	3223.6	3216.7
30°	2971.0	2971.0	2971.0	2979.5	2971.0	2971.0	2971.0	2969.3	2969.3	2971.0	2971.0
32.5°	2654.1	2650.6	2647.4	2650.6	2647.4	2650.6	2654.1	2655.8	2654.1	2659.2	2667.6
35°	2294.8	2293.1	2298.2	2291.4	2298.2	2293.1	2294.8	2294.8	2301.5	2308.4	2310.0
37.5°	1950.6	1947.4	1954.1	1947.4	1954.1	1947.4	1950.6	1949.1	1947.4	1950.6	1945.7
40°	1623.6	1627.0	1627.0	1640.6	1627.0	1627.0	1623.6	1620.2	1608.4	1601.7	1594.8
42.5°	1310.1	1320.3	1316.8	1327.0	1316.8	1320.3	1310.1	1303.3	1289.7	1277.9	1267.8
45°	1013.5	1020.3	1020.3	1023.6	1020.3	1020.3	1013.5	1006.6	994.8	984.6	977.8
47.5°	777.9	777.9	777.9	779.6	777.9	777.9	777.9	766.0	762.6	755.9	747.4
50°	591.5	593.2	594.9	596.6	594.9	593.2	591.5	588.0	586.4	583.0	581.3
52.5°	454.2	455.8	452.5	455.8	452.5	455.8	454.2	455.8	450.8	450.8	449.1
55°	344.0	342.3	344.0	345.7	344.0	342.3	344.0	344.0	342.3	342.3	342.3
57.5°	252.6	249.1	249.1	249.1	249.1	249.1	252.6	250.9	255.9	252.6	254.2
60°	188.1	189.8	189.8	191.5	189.8	189.8	188.1	191.5	191.5	193.3	193.3
62.5°	138.9	144.0	140.6	144.0	140.6	144.0	138.9	140.6	140.6	142.4	144.0
65°	89.9	89.9	89.9	91.6	89.9	89.9	89.9	91.6	93.1	91.6	96.6
67.5°	61.1	62.7	66.1	64.4	66.1	62.7	61.1	62.7	62.7	67.8	66.1
70°	49.2	44.1	44.1	49.2	44.1	44.1	49.2	45.8	44.1	47.5	45.8
72.5°	28.8	25.4	28.8	28.8	28.8	25.4	28.8	25.4	27.1	27.1	30.5
75°	15.3	13.5	11.8	17.0	11.8	13.5	15.3	15.3	15.3	15.3	17.0
77.5°	10.2	8.4	11.8	11.8	11.8	8.4	10.2	8.4	10.2	8.4	10.2
80°	5.1	6.8	5.1	8.4	5.1	6.8	5.1	8.4	5.1	6.8	6.8
82.5°	1.7	3.4	3.4	3.4	3.4	3.4	1.7	1.7	3.4	3.4	1.7
85°	0.0	3.4	1.7	1.7	1.7	3.4	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	0.0	0.0	1.7	0.0	0.0	1.7	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: P248741

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3506.5	3501.4	3503.1	3493.0	3493.0	3489.6	3491.3	3482.8	3479.5	3476.0	3481.1
5°	3557.4	3548.9	3542.1	3526.9	3518.4	3508.3	3503.1	3489.6	3477.7	3467.6	3465.9
7.5°	3598.1	3579.4	3567.6	3547.2	3532.0	3520.1	3503.1	3484.5	3469.3	3455.7	3445.5
10°	3615.0	3596.4	3577.7	3552.3	3535.3	3513.3	3496.4	3472.6	3452.3	3433.7	3421.8
12.5°	3616.6	3592.9	3576.0	3547.2	3525.2	3501.4	3482.8	3455.7	3431.9	3413.4	3394.7
15°	3601.5	3579.4	3559.0	3528.6	3506.5	3484.5	3462.5	3433.7	3411.7	3389.6	3376.1
17.5°	3567.6	3547.2	3523.5	3494.7	3474.3	3454.0	3430.2	3406.6	3381.1	3357.3	3340.5
20°	3523.5	3501.4	3481.1	3452.3	3435.4	3413.4	3391.3	3365.9	3345.5	3321.8	3303.2
22.5°	3457.5	3437.1	3418.4	3401.4	3374.3	3357.3	3342.2	3313.4	3293.0	3270.9	3250.7
25°	3362.5	3342.2	3326.8	3306.5	3294.7	3276.0	3260.8	3235.4	3216.7	3196.4	3179.5
27.5°	3206.6	3194.7	3186.2	3174.3	3164.2	3155.7	3147.3	3126.9	3113.3	3094.8	3077.8
30°	2972.7	2971.0	2966.0	2960.8	2967.5	2967.5	2967.5	2964.3	2952.3	2938.7	2926.9
32.5°	2672.7	2676.2	2682.9	2688.0	2701.5	2716.8	2730.4	2737.1	2737.1	2728.7	2723.5
35°	2315.1	2320.2	2330.4	2343.9	2360.9	2379.5	2410.0	2416.8	2421.8	2421.8	2415.0
37.5°	1943.9	1942.2	1952.4	1964.2	1974.5	1988.0	2010.0	2015.1	2023.5	2020.3	2013.4
40°	1582.9	1574.4	1571.1	1574.4	1586.4	1581.2	1586.4	1582.9	1582.9	1571.1	1571.1
42.5°	1249.1	1239.0	1232.1	1227.0	1227.0	1215.1	1206.7	1198.2	1193.2	1184.6	1182.9
45°	962.7	950.7	942.3	938.9	933.9	918.6	908.4	898.2	886.4	883.0	884.7
47.5°	747.4	735.5	732.2	723.7	715.2	706.7	700.0	688.2	686.4	679.6	686.4
50°	576.2	572.8	567.8	564.3	559.2	552.5	545.7	539.0	535.5	535.5	537.2
52.5°	447.4	449.1	444.0	439.0	435.6	435.6	427.0	425.4	425.4	418.6	425.4
55°	342.3	340.7	342.3	339.0	339.0	333.9	333.9	328.7	328.7	323.7	327.2
57.5°	250.9	254.2	250.9	252.6	255.9	250.9	249.1	244.0	247.4	244.0	245.8
60°	195.0	195.0	195.0	193.3	193.3	191.5	191.5	189.8	189.8	186.4	189.8
62.5°	144.0	145.7	145.7	145.7	147.5	145.7	144.0	145.7	144.0	144.0	145.7
65°	95.0	96.6	96.6	95.0	98.3	95.0	96.6	98.3	100.0	98.3	100.0
67.5°	64.4	64.4	66.1	67.8	66.1	67.8	69.5	67.8	69.5	72.9	69.5
70°	47.5	49.2	49.2	47.5	45.8	47.5	45.8	50.8	50.8	50.8	54.2
72.5°	30.5	30.5	28.8	28.8	28.8	28.8	28.8	33.9	30.5	28.8	32.2
75°	17.0	18.7	18.7	13.5	15.3	18.7	13.5	15.3	20.4	17.0	20.4
77.5°	10.2	10.2	10.2	10.2	10.2	10.2	13.5	11.8	11.8	11.8	13.5
80°	8.4	6.8	6.8	5.1	6.8	6.8	6.8	10.2	8.4	8.4	10.2
82.5°	3.4	3.4	1.7	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P248741

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3467.6	3467.6	3465.9	3462.5	3455.7	3455.7	3454.0	3448.9	3445.5	3443.8	3443.8
5°	3450.6	3443.8	3437.1	3418.4	3418.4	3415.0	3404.9	3398.1	3394.7	3386.2	3382.9
7.5°	3435.4	3415.0	3403.1	3391.3	3376.1	3369.3	3357.3	3352.3	3340.5	3332.0	3326.8
10°	3398.1	3384.6	3369.3	3350.6	3338.8	3325.3	3311.7	3301.5	3286.2	3277.7	3270.9
12.5°	3372.6	3352.3	3338.8	3318.4	3298.0	3286.2	3267.6	3255.8	3240.5	3223.6	3213.3
15°	3348.9	3326.8	3308.3	3286.2	3264.2	3250.7	3228.6	3215.0	3193.1	3176.1	3164.2
17.5°	3313.4	3294.7	3274.4	3247.2	3227.0	3210.0	3186.2	3169.4	3149.0	3126.9	3115.0
20°	3276.0	3254.0	3233.7	3206.6	3186.2	3165.9	3142.1	3123.6	3099.7	3079.5	3066.0
22.5°	3227.0	3201.5	3184.5	3157.4	3133.7	3111.8	3089.7	3067.6	3045.6	3028.6	3013.3
25°	3155.7	3128.6	3110.0	3087.9	3066.0	3049.0	3021.9	3008.4	2986.3	2971.0	2955.7
27.5°	3054.0	3033.7	3016.8	2994.8	2976.1	2962.6	2942.2	2928.6	2909.9	2896.4	2884.6
30°	2905.0	2888.0	2872.7	2850.6	2837.1	2825.2	2806.5	2794.7	2781.2	2765.9	2762.5
32.5°	2705.0	2691.3	2676.2	2660.8	2650.6	2643.9	2628.6	2621.8	2608.3	2599.8	2591.3
35°	2403.2	2391.4	2382.9	2376.1	2372.7	2374.4	2371.0	2377.8	2381.2	2379.5	2381.2
37.5°	2008.4	2001.5	2005.0	2010.0	2027.0	2049.1	2069.3	2099.8	2120.2	2140.5	2159.2
40°	1567.7	1572.8	1586.4	1616.9	1661.0	1710.1	1755.9	1813.5	1871.1	1911.7	1949.1
42.5°	1182.9	1198.2	1232.1	1276.2	1342.4	1415.1	1486.4	1571.1	1640.6	1708.3	1755.9
45°	889.8	910.1	954.2	1015.2	1088.0	1172.8	1262.7	1357.5	1440.6	1510.1	1562.6
47.5°	693.2	711.8	755.9	820.4	910.1	998.2	1091.5	1189.8	1276.2	1344.0	1389.7
50°	547.4	571.2	610.1	677.9	767.8	861.0	957.6	1054.1	1135.6	1193.2	1233.8
52.5°	430.5	452.5	489.8	561.0	652.5	745.8	835.5	930.5	1001.6	1057.5	1084.7
55°	333.9	354.3	393.2	452.5	539.0	630.4	720.2	801.7	867.7	908.4	933.9
57.5°	254.2	269.4	296.7	356.0	433.9	518.6	594.9	676.2	727.1	755.9	772.8
60°	193.3	205.1	233.9	279.7	350.8	423.7	488.1	549.1	589.8	613.6	630.4
62.5°	145.7	159.3	179.7	218.6	272.8	332.2	386.4	432.1	466.1	481.4	493.2
65°	100.0	110.1	125.4	155.9	201.7	244.0	286.4	320.3	342.3	359.3	366.1
67.5°	74.6	81.3	89.9	113.5	145.7	179.7	208.5	232.2	255.9	262.7	274.6
70°	55.9	61.1	69.5	86.4	105.1	128.8	152.5	166.0	183.0	195.0	198.3
72.5°	35.6	37.2	45.8	55.9	71.1	86.4	101.7	113.5	123.8	130.5	133.9
75°	20.4	30.5	30.5	40.7	50.8	57.6	67.8	76.3	81.3	86.4	86.4
77.5°	13.5	18.7	20.4	25.4	30.5	39.0	47.5	52.5	57.6	59.3	59.3
80°	11.8	13.5	13.5	18.7	22.0	28.8	33.9	35.6	39.0	40.7	44.1
82.5°	5.1	6.8	8.4	13.5	15.3	15.3	20.4	22.0	25.4	27.1	27.1
85°	1.7	3.4	3.4	5.1	8.4	10.2	11.8	13.5	15.3	15.3	17.0
87.5°	1.7	1.7	0.0	1.7	3.4	3.4	6.8	6.8	6.8	10.2	10.2
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: P248741

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0	3471.0
2.5°	3440.5	3442.2	3435.4	3433.7	3430.2	3431.9	3435.4
5°	3377.8	3379.4	3372.6	3365.9	3365.9	3364.2	3365.9
7.5°	3318.4	3320.1	3310.0	3306.5	3299.7	3301.5	3301.5
10°	3259.1	3259.1	3243.9	3242.1	3237.1	3235.4	3235.4
12.5°	3201.5	3196.4	3184.5	3177.8	3181.2	3171.0	3171.0
15°	3150.7	3142.1	3126.9	3121.8	3113.3	3110.0	3110.0
17.5°	3098.1	3091.3	3077.8	3067.6	3057.4	3055.7	3057.4
20°	3047.3	3040.4	3023.5	3016.8	3008.4	3008.4	3004.9
22.5°	2996.4	2989.6	2974.4	2969.3	2957.4	2957.4	2959.1
25°	2943.9	2938.7	2921.8	2918.5	2916.8	2909.9	2913.4
27.5°	2872.7	2869.3	2855.7	2850.6	2843.9	2842.2	2845.6
30°	2742.2	2737.1	2727.0	2721.8	2710.0	2711.7	2715.1
32.5°	2579.5	2572.8	2559.2	2554.1	2544.0	2540.5	2542.2
35°	2376.1	2371.0	2359.2	2359.2	2349.0	2345.6	2349.0
37.5°	2169.3	2174.4	2169.3	2174.4	2169.3	2167.6	2169.3
40°	1974.5	1993.0	1996.4	2015.1	2008.4	2018.5	2016.8
42.5°	1788.0	1818.4	1830.4	1845.7	1842.3	1849.0	1854.1
45°	1599.9	1625.3	1637.2	1647.3	1649.0	1652.5	1654.1
47.5°	1421.9	1442.2	1443.9	1455.9	1454.2	1454.2	1459.2
50°	1255.8	1269.4	1272.7	1281.3	1274.5	1271.1	1272.7
52.5°	1101.6	1115.2	1111.7	1115.2	1106.8	1103.3	1105.0
55°	944.0	950.7	950.7	950.7	940.6	940.6	940.6
57.5°	783.0	784.7	781.3	783.0	781.3	771.1	769.5
60°	635.6	635.6	633.8	635.6	630.4	625.4	625.4
62.5°	496.6	500.0	506.7	500.0	496.6	500.0	494.9
65°	371.1	378.0	376.2	379.7	378.0	378.0	374.5
67.5°	279.7	281.4	283.0	284.7	284.7	284.7	284.7
70°	205.1	210.2	208.5	208.5	208.5	208.5	218.6
72.5°	137.2	144.0	142.4	145.7	145.7	149.2	145.7
75°	93.1	100.0	96.6	101.7	100.0	96.6	105.1
77.5°	62.7	66.1	67.8	69.5	67.8	66.1	67.8
80°	44.1	47.5	45.8	47.5	47.5	47.5	49.2
82.5°	27.1	32.2	30.5	32.2	30.5	32.2	32.2
85°	18.7	20.4	17.0	20.4	18.7	18.7	22.0
87.5°	11.8	10.2	10.2	11.8	10.2	11.8	10.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)