

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: P249074

Luminaire Tested: **LSR8B70D010 EC8B709730 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249074
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 EC8B709730 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5488.0 lumens
Efficiency: N/A
Efficacy: 72.3 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

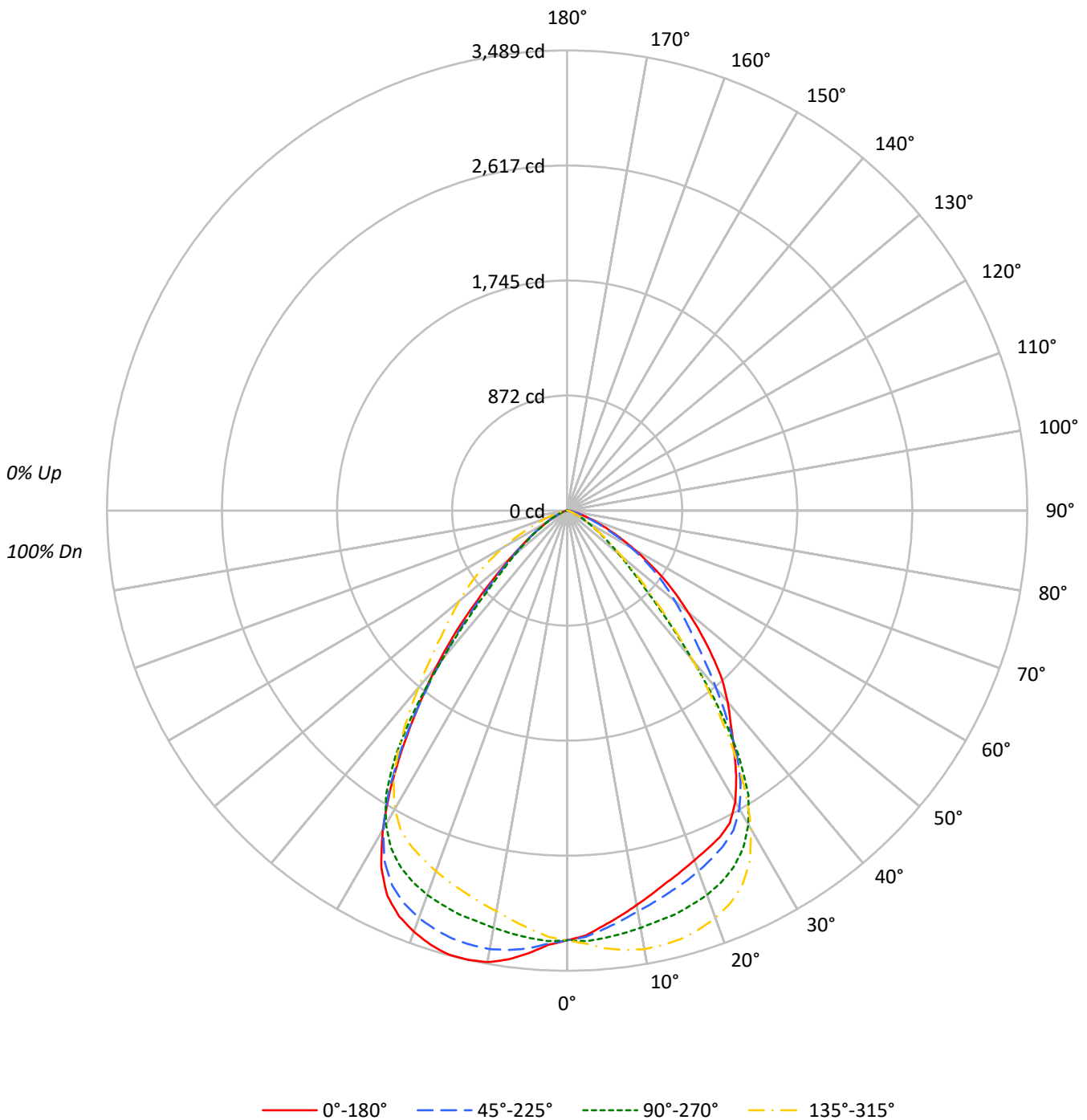
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	310.1	5.7
10°-20°	898.0	16.4
20°-30°	1359.8	24.8
30°-40°	1362.8	24.8
40°-50°	855.8	15.6
50°-60°	456.0	8.3
60°-70°	187.5	3.4
70°-80°	49.5	0.9
80°-90°	8.4	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°	2567.9	46.8
0°-40°	3930.7	71.6
0°-60°	5242.5	95.5
0°-90°	5488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5488.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3258	3258	3258	3258	3258	
5°	3159	3253	3369	3253	3159	298
15°	2919	3169	3484	3169	2919	826
25°	2735	2984	3225	2984	2735	1254
35°	2205	2267	2151	2267	2205	1381
45°	1553	830	961	830	1553	1194
55°	883	307	324	307	883	787
65°	352	94	86	94	352	365
75°	99	19	16	19	99	112
85°	21	0	2	0	21	23
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°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3224.7	3221.4	3219.9	3223.1	3224.7	3231.0	3229.4	3232.6	3232.6	3234.2	3237.4
5°	3159.4	3157.8	3159.4	3159.4	3165.8	3172.1	3170.6	3175.3	3178.5	3186.5	3189.6
7.5°	3099.0	3099.0	3097.4	3103.7	3106.9	3116.5	3114.8	3122.8	3127.6	3135.5	3146.7
10°	3036.9	3036.9	3038.5	3043.3	3044.9	3059.2	3059.2	3070.3	3076.7	3084.7	3099.0
12.5°	2976.5	2976.5	2986.0	2982.8	2989.2	3000.3	3005.1	3016.2	3025.8	3041.7	3056.0
15°	2919.2	2919.2	2922.4	2930.3	2935.1	2949.4	2957.4	2970.1	2981.3	2997.2	3017.9
17.5°	2869.9	2868.3	2869.9	2879.4	2889.0	2901.7	2908.1	2924.0	2935.1	2955.8	2974.9
20°	2820.6	2823.8	2823.8	2831.7	2838.1	2854.0	2860.3	2877.9	2890.6	2909.6	2932.0
22.5°	2777.6	2776.0	2776.0	2787.2	2792.0	2806.2	2812.6	2828.5	2842.8	2858.8	2879.4
25°	2734.7	2731.5	2737.9	2739.4	2742.6	2758.5	2763.3	2774.4	2788.8	2803.1	2823.8
27.5°	2671.0	2667.9	2669.4	2675.8	2680.6	2693.3	2696.5	2707.6	2718.8	2731.5	2749.0
30°	2548.5	2545.4	2543.8	2554.9	2559.7	2569.2	2574.0	2593.1	2596.2	2610.6	2623.3
32.5°	2386.2	2384.7	2387.9	2397.4	2402.2	2414.9	2421.3	2432.4	2440.3	2448.3	2461.0
35°	2204.9	2201.7	2204.9	2214.5	2214.5	2225.6	2230.4	2235.1	2233.5	2235.1	2232.0
37.5°	2036.3	2034.7	2036.3	2041.0	2036.3	2041.0	2036.3	2026.8	2009.3	1990.2	1971.0
40°	1893.1	1894.7	1885.2	1891.5	1874.0	1870.8	1853.4	1829.5	1794.5	1756.3	1702.2
42.5°	1740.4	1735.6	1729.3	1732.4	1718.1	1706.9	1678.3	1648.1	1603.6	1540.0	1474.7
45°	1552.7	1551.1	1547.9	1546.3	1536.8	1525.6	1501.7	1466.8	1417.5	1352.2	1274.3
47.5°	1369.7	1364.9	1364.9	1366.5	1355.4	1353.8	1334.7	1304.5	1261.5	1197.9	1116.8
50°	1194.7	1193.1	1196.3	1202.7	1194.7	1191.6	1178.8	1158.2	1120.0	1065.9	989.5
52.5°	1037.2	1035.6	1038.8	1046.8	1043.6	1046.8	1034.1	1018.2	992.7	940.2	873.4
55°	882.9	882.9	882.9	892.4	892.4	892.4	886.1	876.6	852.7	814.5	752.5
57.5°	722.3	723.8	733.4	735.0	733.4	736.6	735.0	725.4	709.5	682.5	634.8
60°	587.0	587.0	591.8	596.6	595.0	596.6	596.6	591.8	575.9	553.6	515.5
62.5°	464.5	469.3	466.1	469.3	475.7	469.3	466.1	462.9	451.8	437.5	405.7
65°	351.6	354.8	354.8	356.3	353.1	354.8	348.4	343.6	337.3	321.4	300.7
67.5°	267.3	267.3	267.3	267.3	265.7	264.1	262.5	257.7	246.6	240.2	217.9
70°	205.2	195.7	195.7	195.7	195.7	197.3	192.5	186.2	183.0	171.8	155.9
72.5°	136.8	140.0	136.8	136.8	133.6	135.2	128.9	125.7	122.5	116.2	106.6
75°	98.6	90.7	93.8	95.5	90.7	93.8	87.5	81.1	81.1	76.4	71.6
77.5°	63.6	62.1	63.6	65.2	63.6	62.1	58.9	55.7	55.7	54.1	49.3
80°	46.2	44.5	44.5	44.5	43.0	44.5	41.4	41.4	38.2	36.6	33.4
82.5°	30.3	30.3	28.6	30.3	28.6	30.3	25.5	25.5	25.5	23.8	20.7
85°	20.7	17.5	17.5	19.1	15.9	19.1	17.5	15.9	14.3	14.3	12.7
87.5°	9.6	11.1	9.6	11.1	9.6	9.6	11.1	9.6	9.6	6.4	6.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3242.1	3243.7	3243.7	3250.1	3253.3	3254.8	3254.8	3267.6	3262.8	3266.0	3269.2
5°	3196.0	3205.5	3208.7	3208.7	3226.2	3232.6	3238.9	3253.3	3254.8	3264.4	3275.5
7.5°	3151.4	3162.6	3169.0	3183.3	3194.4	3205.5	3224.7	3234.2	3243.7	3256.5	3270.8
10°	3108.5	3121.3	3134.0	3145.1	3162.6	3176.9	3189.6	3211.9	3223.1	3240.6	3259.6
12.5°	3067.2	3084.7	3095.8	3114.8	3134.0	3146.7	3165.8	3186.5	3204.0	3221.4	3243.7
15°	3030.6	3051.3	3064.0	3084.7	3105.4	3122.8	3143.5	3169.0	3181.7	3202.4	3223.1
17.5°	2990.8	3013.1	3029.0	3048.1	3073.5	3092.6	3110.1	3135.5	3151.4	3173.7	3197.6
20°	2949.4	2971.7	2990.8	3009.9	3035.4	3054.4	3075.1	3100.6	3118.1	3140.3	3159.4
22.5°	2900.1	2920.8	2941.5	2963.7	2989.2	3005.1	3029.0	3051.3	3070.3	3091.0	3110.1
25°	2836.5	2862.0	2877.9	2898.5	2919.2	2936.7	2962.1	2984.4	3000.3	3019.4	3036.9
27.5°	2761.7	2780.8	2793.5	2811.0	2831.7	2847.6	2866.7	2889.0	2904.9	2922.4	2935.1
30°	2634.4	2652.0	2663.1	2675.8	2696.5	2710.8	2726.7	2747.4	2758.5	2771.3	2782.4
32.5°	2467.4	2481.7	2488.1	2497.6	2512.0	2526.2	2539.0	2556.5	2561.3	2569.2	2569.2
35°	2225.6	2228.8	2227.2	2230.4	2236.8	2244.7	2255.8	2266.9	2273.3	2273.3	2268.6
37.5°	1942.4	1923.4	1902.7	1886.8	1882.0	1878.8	1885.2	1889.9	1896.3	1899.5	1891.5
40°	1648.1	1605.2	1559.0	1517.6	1489.0	1476.3	1471.5	1474.7	1474.7	1485.8	1485.8
42.5°	1395.2	1328.3	1260.0	1197.9	1156.5	1124.8	1110.4	1110.4	1112.0	1120.0	1124.8
45°	1185.2	1100.9	1021.3	952.9	895.6	854.3	835.2	830.4	828.9	832.0	843.1
47.5°	1024.5	937.0	854.3	770.0	709.5	668.2	650.7	644.3	637.9	644.3	645.9
50°	898.9	808.2	720.7	636.3	572.7	536.1	513.8	504.3	502.7	502.7	505.9
52.5°	784.3	700.0	612.5	526.6	459.7	424.8	404.1	399.3	392.9	399.3	399.3
55°	676.1	591.8	505.9	424.8	369.0	332.5	313.4	307.0	303.8	308.6	308.6
57.5°	558.4	486.8	407.3	334.1	278.4	253.0	238.6	230.7	229.1	232.3	229.1
60°	458.2	397.7	329.3	262.5	219.6	192.5	181.4	178.2	175.0	178.2	178.2
62.5°	362.7	311.8	256.1	205.2	168.6	149.6	136.8	136.8	135.2	135.2	136.8
65°	268.9	229.1	189.3	146.3	117.7	103.4	93.8	93.8	92.3	93.8	92.3
67.5°	195.7	168.6	136.8	106.6	84.3	76.4	70.0	65.2	68.4	65.2	63.6
70°	143.2	120.9	98.6	81.1	65.2	57.3	52.5	50.9	47.7	47.7	47.7
72.5°	95.5	81.1	66.8	52.5	43.0	35.0	33.4	30.3	27.0	28.6	31.8
75°	63.6	54.1	47.7	38.2	28.6	28.6	19.1	19.1	15.9	19.1	14.3
77.5°	44.5	36.6	28.6	23.8	19.1	17.5	12.7	12.7	11.1	11.1	11.1
80°	31.8	27.0	20.7	17.5	12.7	12.7	11.1	9.6	7.9	7.9	9.6
82.5°	19.1	14.3	14.3	12.7	7.9	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.1	9.6	7.9	4.8	3.2	3.2	1.6	0.0	1.6	1.6	0.0
87.5°	6.4	3.2	3.2	1.6	0.0	1.6	1.6	0.0	0.0	0.0	3.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3277.2	3275.5	3278.7	3278.7	3288.3	3286.7	3291.4	3291.4	3288.3	3289.9	3296.2
5°	3288.3	3293.1	3302.6	3310.6	3324.8	3331.3	3339.2	3347.2	3348.7	3353.5	3358.3
7.5°	3288.3	3304.2	3315.3	3329.6	3348.7	3359.9	3377.4	3391.7	3398.0	3406.0	3415.5
10°	3281.9	3297.8	3318.5	3334.4	3358.3	3375.8	3393.3	3415.5	3425.1	3437.8	3450.6
12.5°	3269.2	3286.7	3308.9	3329.6	3356.7	3372.6	3394.8	3415.5	3429.9	3447.4	3461.7
15°	3250.1	3270.8	3291.4	3312.1	3340.8	3359.9	3380.6	3404.4	3418.7	3437.8	3450.6
17.5°	3219.9	3242.1	3261.3	3280.3	3307.4	3329.6	3348.7	3371.0	3385.3	3401.3	3418.7
20°	3183.3	3204.0	3224.7	3240.6	3267.6	3286.7	3307.4	3328.1	3339.2	3342.4	3369.4
22.5°	3137.2	3151.4	3167.4	3192.8	3208.7	3226.2	3245.3	3264.4	3275.5	3293.1	3302.6
25°	3060.8	3075.1	3092.6	3103.7	3122.8	3137.2	3156.2	3176.9	3183.3	3196.0	3205.5
27.5°	2954.2	2962.1	2970.1	2979.6	2990.8	2998.7	3009.9	3019.4	3025.8	3032.1	3038.5
30°	2785.5	2785.5	2785.5	2779.2	2784.0	2788.8	2790.3	2788.8	2788.8	2787.2	2787.2
32.5°	2562.8	2550.1	2535.8	2523.1	2518.3	2512.0	2508.8	2504.0	2496.1	2491.3	2492.8
35°	2262.2	2233.5	2216.1	2200.1	2187.4	2177.9	2173.1	2168.3	2166.8	2160.4	2154.0
37.5°	1886.8	1866.1	1853.4	1843.8	1832.7	1823.1	1824.7	1826.3	1831.0	1827.9	1829.5
40°	1489.0	1484.2	1489.0	1477.9	1474.7	1477.9	1485.8	1497.0	1503.4	1509.7	1520.9
42.5°	1132.7	1140.6	1151.8	1151.8	1156.5	1162.9	1172.4	1190.0	1199.5	1210.6	1223.4
45°	852.7	862.2	876.6	881.3	884.5	892.4	903.6	917.9	924.3	933.8	945.0
47.5°	657.0	663.4	671.3	679.3	687.2	690.4	701.6	701.6	709.5	715.9	719.0
50°	512.3	518.6	525.0	529.7	532.9	537.7	540.9	545.6	547.2	550.4	552.0
52.5°	400.9	408.9	408.9	412.0	416.8	421.6	420.0	421.6	423.1	423.1	427.9
55°	313.4	313.4	318.2	318.2	321.4	319.7	321.4	321.4	321.4	321.4	323.0
57.5°	233.8	235.5	240.2	237.0	235.5	238.6	235.5	238.6	237.0	240.2	235.5
60°	179.7	179.7	181.4	181.4	183.0	183.0	183.0	181.4	181.4	179.7	179.7
62.5°	135.2	136.8	138.4	136.8	136.8	136.8	135.2	135.2	133.6	132.0	132.0
65°	90.7	89.1	92.3	89.1	90.7	90.7	89.1	90.7	85.9	87.5	85.9
67.5°	65.2	63.6	62.1	63.6	62.1	60.4	60.4	62.1	63.6	58.9	58.9
70°	43.0	44.5	43.0	44.5	46.2	46.2	44.5	43.0	44.5	41.4	43.0
72.5°	27.0	27.0	27.0	27.0	27.0	28.6	28.6	28.6	25.5	25.5	23.8
75°	12.7	17.5	14.3	12.7	17.5	17.5	15.9	15.9	14.3	14.3	14.3
77.5°	12.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	7.9	9.6	7.9
80°	6.4	6.4	6.4	4.8	6.4	6.4	7.9	6.4	6.4	4.8	7.9
82.5°	3.2	3.2	3.2	0.0	1.6	3.2	3.2	1.6	3.2	3.2	1.6
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: P249074

CATALOG NUMBER: LSR8B70D010 EC8B709730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3294.7	3293.1	3294.7	3296.2	3294.7	3293.1	3294.7	3296.2	3289.9	3288.3	3291.4
5°	3364.7	3364.7	3367.8	3369.4	3367.8	3364.7	3364.7	3358.3	3353.5	3348.7	3347.2
7.5°	3425.1	3428.3	3431.4	3433.0	3431.4	3428.3	3425.1	3415.5	3406.0	3398.0	3391.7
10°	3461.7	3466.5	3472.8	3476.0	3472.8	3466.5	3461.7	3450.6	3437.8	3425.1	3415.5
12.5°	3477.6	3482.4	3490.3	3488.7	3490.3	3482.4	3477.6	3461.7	3447.4	3429.9	3415.5
15°	3466.5	3472.8	3480.8	3484.0	3480.8	3472.8	3466.5	3450.6	3437.8	3418.7	3404.4
17.5°	3431.4	3441.0	3445.8	3450.6	3445.8	3441.0	3431.4	3418.7	3401.3	3385.3	3371.0
20°	3383.7	3390.1	3396.5	3398.0	3396.5	3390.1	3383.7	3369.4	3342.4	3339.2	3328.1
22.5°	3315.3	3320.1	3334.4	3329.6	3334.4	3320.1	3315.3	3302.6	3293.1	3275.5	3264.4
25°	3216.7	3221.4	3223.1	3224.7	3223.1	3221.4	3216.7	3205.5	3196.0	3183.3	3176.9
27.5°	3046.5	3046.5	3049.6	3051.3	3049.6	3046.5	3046.5	3038.5	3032.1	3025.8	3019.4
30°	2788.8	2788.8	2788.8	2796.7	2788.8	2788.8	2788.8	2787.2	2787.2	2788.8	2788.8
32.5°	2491.3	2488.1	2484.9	2488.1	2484.9	2488.1	2491.3	2492.8	2491.3	2496.1	2504.0
35°	2154.0	2152.4	2157.2	2150.8	2157.2	2152.4	2154.0	2154.0	2160.4	2166.8	2168.3
37.5°	1831.0	1827.9	1834.2	1827.9	1834.2	1827.9	1831.0	1829.5	1827.9	1831.0	1826.3
40°	1524.1	1527.2	1527.2	1540.0	1527.2	1527.2	1524.1	1520.9	1509.7	1503.4	1497.0
42.5°	1229.7	1239.3	1236.1	1245.6	1236.1	1239.3	1229.7	1223.4	1210.6	1199.5	1190.0
45°	951.3	957.7	957.7	960.9	957.7	957.7	951.3	945.0	933.8	924.3	917.9
47.5°	730.2	730.2	730.2	731.8	730.2	730.2	730.2	719.0	715.9	709.5	701.6
50°	555.2	556.8	558.4	560.0	558.4	556.8	555.2	552.0	550.4	547.2	545.6
52.5°	426.3	427.9	424.8	427.9	424.8	427.9	426.3	427.9	423.1	423.1	421.6
55°	323.0	321.4	323.0	324.5	323.0	321.4	323.0	323.0	321.4	321.4	321.4
57.5°	237.0	233.8	233.8	233.8	233.8	233.8	237.0	235.5	240.2	237.0	238.6
60°	176.6	178.2	178.2	179.7	178.2	178.2	176.6	179.7	179.7	181.4	181.4
62.5°	130.4	135.2	132.0	135.2	132.0	135.2	130.4	132.0	132.0	133.6	135.2
65°	84.3	84.3	84.3	85.9	84.3	84.3	84.3	85.9	87.5	85.9	90.7
67.5°	57.3	58.9	62.1	60.4	62.1	58.9	57.3	58.9	58.9	63.6	62.1
70°	46.2	41.4	41.4	46.2	41.4	41.4	46.2	43.0	41.4	44.5	43.0
72.5°	27.0	23.8	27.0	27.0	27.0	23.8	27.0	23.8	25.5	25.5	28.6
75°	14.3	12.7	11.1	15.9	11.1	12.7	14.3	14.3	14.3	14.3	15.9
77.5°	9.6	7.9	11.1	11.1	11.1	7.9	9.6	7.9	9.6	7.9	9.6
80°	4.8	6.4	4.8	7.9	4.8	6.4	4.8	7.9	4.8	6.4	6.4
82.5°	1.6	3.2	3.2	3.2	3.2	3.2	1.6	1.6	3.2	3.2	1.6
85°	0.0	3.2	1.6	1.6	1.6	3.2	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.0	0.0	1.6	0.0	0.0	1.6	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: P249074

CATALOG NUMBER: LSR8B70D010 EC8B709730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3291.4	3286.7	3288.3	3278.7	3278.7	3275.5	3277.2	3269.2	3266.0	3262.8	3267.6
5°	3339.2	3331.3	3324.8	3310.6	3302.6	3293.1	3288.3	3275.5	3264.4	3254.8	3253.3
7.5°	3377.4	3359.9	3348.7	3329.6	3315.3	3304.2	3288.3	3270.8	3256.5	3243.7	3234.2
10°	3393.3	3375.8	3358.3	3334.4	3318.5	3297.8	3281.9	3259.6	3240.6	3223.1	3211.9
12.5°	3394.8	3372.6	3356.7	3329.6	3308.9	3286.7	3269.2	3243.7	3221.4	3204.0	3186.5
15°	3380.6	3359.9	3340.8	3312.1	3291.4	3270.8	3250.1	3223.1	3202.4	3181.7	3169.0
17.5°	3348.7	3329.6	3307.4	3280.3	3261.3	3242.1	3219.9	3197.6	3173.7	3151.4	3135.5
20°	3307.4	3286.7	3267.6	3240.6	3224.7	3204.0	3183.3	3159.4	3140.3	3118.1	3100.6
22.5°	3245.3	3226.2	3208.7	3192.8	3167.4	3151.4	3137.2	3110.1	3091.0	3070.3	3051.3
25°	3156.2	3137.2	3122.8	3103.7	3092.6	3075.1	3060.8	3036.9	3019.4	3000.3	2984.4
27.5°	3009.9	2998.7	2990.8	2979.6	2970.1	2962.1	2954.2	2935.1	2922.4	2904.9	2889.0
30°	2790.3	2788.8	2784.0	2779.2	2785.5	2785.5	2785.5	2782.4	2771.3	2758.5	2747.4
32.5°	2508.8	2512.0	2518.3	2523.1	2535.8	2550.1	2562.8	2569.2	2569.2	2561.3	2556.5
35°	2173.1	2177.9	2187.4	2200.1	2216.1	2233.5	2262.2	2268.6	2273.3	2273.3	2266.9
37.5°	1824.7	1823.1	1832.7	1843.8	1853.4	1866.1	1886.8	1891.5	1899.5	1896.3	1889.9
40°	1485.8	1477.9	1474.7	1477.9	1489.0	1484.2	1489.0	1485.8	1485.8	1474.7	1474.7
42.5°	1172.4	1162.9	1156.5	1151.8	1151.8	1140.6	1132.7	1124.8	1120.0	1112.0	1110.4
45°	903.6	892.4	884.5	881.3	876.6	862.2	852.7	843.1	832.0	828.9	830.4
47.5°	701.6	690.4	687.2	679.3	671.3	663.4	657.0	645.9	644.3	637.9	644.3
50°	540.9	537.7	532.9	529.7	525.0	518.6	512.3	505.9	502.7	502.7	504.3
52.5°	420.0	421.6	416.8	412.0	408.9	408.9	400.9	399.3	399.3	392.9	399.3
55°	321.4	319.7	321.4	318.2	318.2	313.4	313.4	308.6	308.6	303.8	307.0
57.5°	235.5	238.6	235.5	237.0	240.2	235.5	233.8	229.1	232.3	229.1	230.7
60°	183.0	183.0	183.0	181.4	181.4	179.7	179.7	178.2	178.2	175.0	178.2
62.5°	135.2	136.8	136.8	136.8	138.4	136.8	135.2	136.8	135.2	135.2	136.8
65°	89.1	90.7	90.7	89.1	92.3	89.1	90.7	92.3	93.8	92.3	93.8
67.5°	60.4	60.4	62.1	63.6	62.1	63.6	65.2	63.6	65.2	68.4	65.2
70°	44.5	46.2	46.2	44.5	43.0	44.5	43.0	47.7	47.7	47.7	50.9
72.5°	28.6	28.6	27.0	27.0	27.0	27.0	27.0	31.8	28.6	27.0	30.3
75°	15.9	17.5	17.5	12.7	14.3	17.5	12.7	14.3	19.1	15.9	19.1
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	12.7	11.1	11.1	11.1	12.7
80°	7.9	6.4	6.4	4.8	6.4	6.4	6.4	9.6	7.9	7.9	9.6
82.5°	3.2	3.2	1.6	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	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: P249074

CATALOG NUMBER: LSR8B70D010 EC8B709730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3254.8	3254.8	3253.3	3250.1	3243.7	3243.7	3242.1	3237.4	3234.2	3232.6	3232.6
5°	3238.9	3232.6	3226.2	3208.7	3208.7	3205.5	3196.0	3189.6	3186.5	3178.5	3175.3
7.5°	3224.7	3205.5	3194.4	3183.3	3169.0	3162.6	3151.4	3146.7	3135.5	3127.6	3122.8
10°	3189.6	3176.9	3162.6	3145.1	3134.0	3121.3	3108.5	3099.0	3084.7	3076.7	3070.3
12.5°	3165.8	3146.7	3134.0	3114.8	3095.8	3084.7	3067.2	3056.0	3041.7	3025.8	3016.2
15°	3143.5	3122.8	3105.4	3084.7	3064.0	3051.3	3030.6	3017.9	2997.2	2981.3	2970.1
17.5°	3110.1	3092.6	3073.5	3048.1	3029.0	3013.1	2990.8	2974.9	2955.8	2935.1	2924.0
20°	3075.1	3054.4	3035.4	3009.9	2990.8	2971.7	2949.4	2932.0	2909.6	2890.6	2877.9
22.5°	3029.0	3005.1	2989.2	2963.7	2941.5	2920.8	2900.1	2879.4	2858.8	2842.8	2828.5
25°	2962.1	2936.7	2919.2	2898.5	2877.9	2862.0	2836.5	2823.8	2803.1	2788.8	2774.4
27.5°	2866.7	2847.6	2831.7	2811.0	2793.5	2780.8	2761.7	2749.0	2731.5	2718.8	2707.6
30°	2726.7	2710.8	2696.5	2675.8	2663.1	2652.0	2634.4	2623.3	2610.6	2596.2	2593.1
32.5°	2539.0	2526.2	2512.0	2497.6	2488.1	2481.7	2467.4	2461.0	2448.3	2440.3	2432.4
35°	2255.8	2244.7	2236.8	2230.4	2227.2	2228.8	2225.6	2232.0	2235.1	2233.5	2235.1
37.5°	1885.2	1878.8	1882.0	1886.8	1902.7	1923.4	1942.4	1971.0	1990.2	2009.3	2026.8
40°	1471.5	1476.3	1489.0	1517.6	1559.0	1605.2	1648.1	1702.2	1756.3	1794.5	1829.5
42.5°	1110.4	1124.8	1156.5	1197.9	1260.0	1328.3	1395.2	1474.7	1540.0	1603.6	1648.1
45°	835.2	854.3	895.6	952.9	1021.3	1100.9	1185.2	1274.3	1352.2	1417.5	1466.8
47.5°	650.7	668.2	709.5	770.0	854.3	937.0	1024.5	1116.8	1197.9	1261.5	1304.5
50°	513.8	536.1	572.7	636.3	720.7	808.2	898.9	989.5	1065.9	1120.0	1158.2
52.5°	404.1	424.8	459.7	526.6	612.5	700.0	784.3	873.4	940.2	992.7	1018.2
55°	313.4	332.5	369.0	424.8	505.9	591.8	676.1	752.5	814.5	852.7	876.6
57.5°	238.6	253.0	278.4	334.1	407.3	486.8	558.4	634.8	682.5	709.5	725.4
60°	181.4	192.5	219.6	262.5	329.3	397.7	458.2	515.5	553.6	575.9	591.8
62.5°	136.8	149.6	168.6	205.2	256.1	311.8	362.7	405.7	437.5	451.8	462.9
65°	93.8	103.4	117.7	146.3	189.3	229.1	268.9	300.7	321.4	337.3	343.6
67.5°	70.0	76.4	84.3	106.6	136.8	168.6	195.7	217.9	240.2	246.6	257.7
70°	52.5	57.3	65.2	81.1	98.6	120.9	143.2	155.9	171.8	183.0	186.2
72.5°	33.4	35.0	43.0	52.5	66.8	81.1	95.5	106.6	116.2	122.5	125.7
75°	19.1	28.6	28.6	38.2	47.7	54.1	63.6	71.6	76.4	81.1	81.1
77.5°	12.7	17.5	19.1	23.8	28.6	36.6	44.5	49.3	54.1	55.7	55.7
80°	11.1	12.7	12.7	17.5	20.7	27.0	31.8	33.4	36.6	38.2	41.4
82.5°	4.8	6.4	7.9	12.7	14.3	14.3	19.1	20.7	23.8	25.5	25.5
85°	1.6	3.2	3.2	4.8	7.9	9.6	11.1	12.7	14.3	14.3	15.9
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.6	9.6
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: P249074

CATALOG NUMBER: LSR8B70D010 EC8B709730 8LBSW0MW

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1	3258.1
2.5°	3229.4	3231.0	3224.7	3223.1	3219.9	3221.4	3224.7
5°	3170.6	3172.1	3165.8	3159.4	3159.4	3157.8	3159.4
7.5°	3114.8	3116.5	3106.9	3103.7	3097.4	3099.0	3099.0
10°	3059.2	3059.2	3044.9	3043.3	3038.5	3036.9	3036.9
12.5°	3005.1	3000.3	2989.2	2982.8	2986.0	2976.5	2976.5
15°	2957.4	2949.4	2935.1	2930.3	2922.4	2919.2	2919.2
17.5°	2908.1	2901.7	2889.0	2879.4	2869.9	2868.3	2869.9
20°	2860.3	2854.0	2838.1	2831.7	2823.8	2823.8	2820.6
22.5°	2812.6	2806.2	2792.0	2787.2	2776.0	2776.0	2777.6
25°	2763.3	2758.5	2742.6	2739.4	2737.9	2731.5	2734.7
27.5°	2696.5	2693.3	2680.6	2675.8	2669.4	2667.9	2671.0
30°	2574.0	2569.2	2559.7	2554.9	2543.8	2545.4	2548.5
32.5°	2421.3	2414.9	2402.2	2397.4	2387.9	2384.7	2386.2
35°	2230.4	2225.6	2214.5	2214.5	2204.9	2201.7	2204.9
37.5°	2036.3	2041.0	2036.3	2041.0	2036.3	2034.7	2036.3
40°	1853.4	1870.8	1874.0	1891.5	1885.2	1894.7	1893.1
42.5°	1678.3	1706.9	1718.1	1732.4	1729.3	1735.6	1740.4
45°	1501.7	1525.6	1536.8	1546.3	1547.9	1551.1	1552.7
47.5°	1334.7	1353.8	1355.4	1366.5	1364.9	1364.9	1369.7
50°	1178.8	1191.6	1194.7	1202.7	1196.3	1193.1	1194.7
52.5°	1034.1	1046.8	1043.6	1046.8	1038.8	1035.6	1037.2
55°	886.1	892.4	892.4	892.4	882.9	882.9	882.9
57.5°	735.0	736.6	733.4	735.0	733.4	723.8	722.3
60°	596.6	596.6	595.0	596.6	591.8	587.0	587.0
62.5°	466.1	469.3	475.7	469.3	466.1	469.3	464.5
65°	348.4	354.8	353.1	356.3	354.8	354.8	351.6
67.5°	262.5	264.1	265.7	267.3	267.3	267.3	267.3
70°	192.5	197.3	195.7	195.7	195.7	195.7	205.2
72.5°	128.9	135.2	133.6	136.8	136.8	140.0	136.8
75°	87.5	93.8	90.7	95.5	93.8	90.7	98.6
77.5°	58.9	62.1	63.6	65.2	63.6	62.1	63.6
80°	41.4	44.5	43.0	44.5	44.5	44.5	46.2
82.5°	25.5	30.3	28.6	30.3	28.6	30.3	30.3
85°	17.5	19.1	15.9	19.1	17.5	17.5	20.7
87.5°	11.1	9.6	9.6	11.1	9.6	11.1	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)