

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: P248642

Luminaire Tested: **LD8B70D010 ER8B709730 8LBSW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248642  
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: LD8B70D010 ER8B709730 8LBSW0H  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5547.0 lumens  
Efficiency: N/A  
Efficacy: 73.1 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

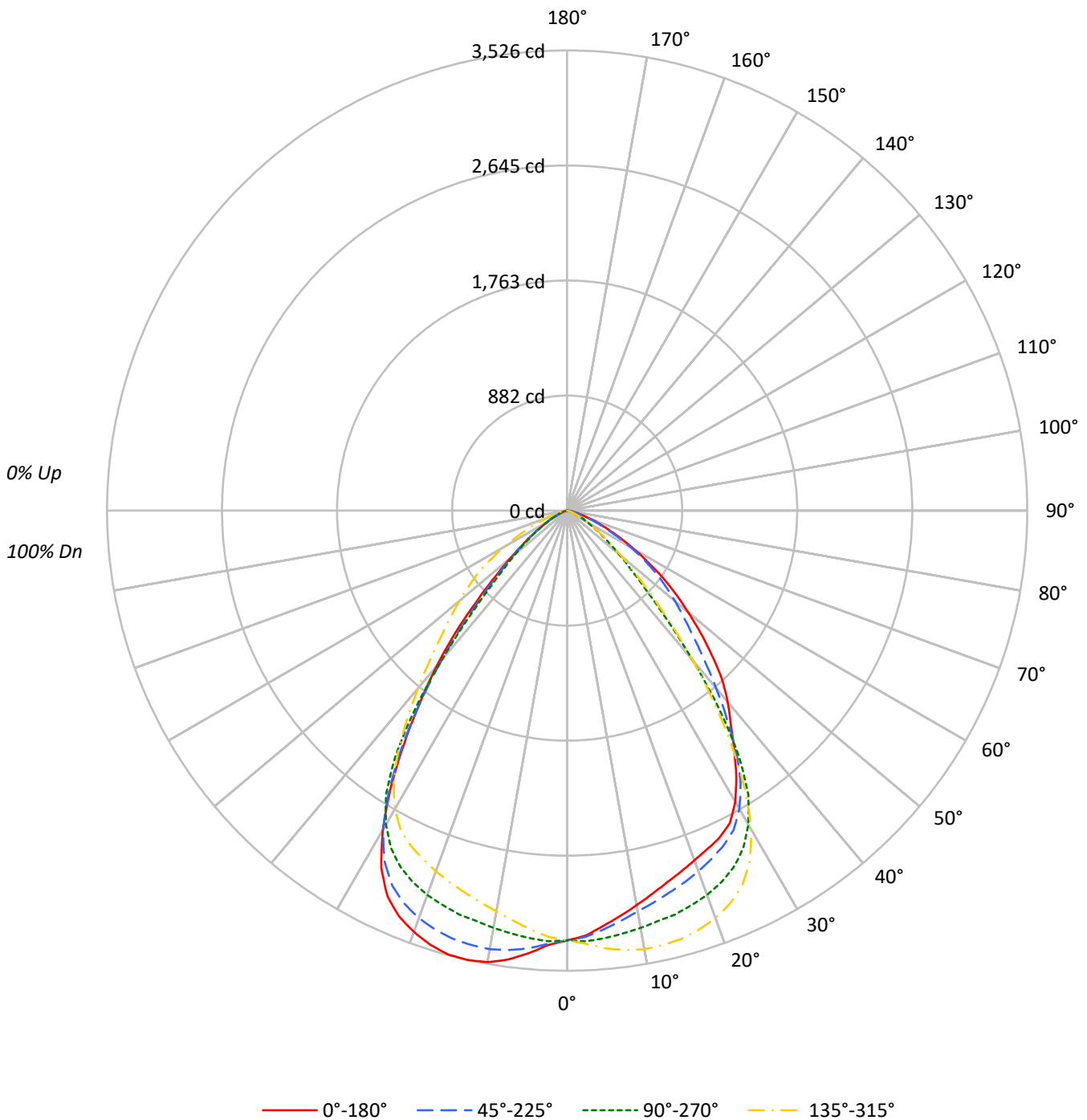
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	313.4	5.7
10°-20°	907.7	16.4
20°-30°	1374.4	24.8
30°-40°	1377.5	24.8
40°-50°	865.0	15.6
50°-60°	460.9	8.3
60°-70°	189.5	3.4
70°-80°	50.1	0.9
80°-90°	8.5	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°	2595.5	46.8
0°-40°	3973.0	71.6
0°-60°	5298.9	95.5
0°-90°	5547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5547.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3293	3293	3293	3293	3293	
5°	3193	3288	3406	3288	3193	301
15°	2951	3203	3521	3203	2951	835
25°	2764	3016	3259	3016	2764	1268
35°	2229	2291	2174	2291	2229	1396
45°	1569	839	971	839	1569	1207
55°	892	310	328	310	892	796
65°	355	95	87	95	355	369
75°	100	19	16	19	100	113
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°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3259.3	3256.1	3254.5	3257.7	3259.3	3265.7	3264.2	3267.3	3267.3	3269.0	3272.2
5°	3193.4	3191.7	3193.4	3193.4	3199.8	3206.2	3204.7	3209.5	3212.7	3220.7	3223.9
7.5°	3132.3	3132.3	3130.7	3137.1	3140.3	3150.0	3148.3	3156.4	3161.2	3169.2	3180.5
10°	3069.6	3069.6	3071.2	3076.0	3077.6	3092.1	3092.1	3103.3	3109.7	3117.8	3132.3
12.5°	3008.5	3008.5	3018.1	3014.9	3021.3	3032.6	3037.4	3048.7	3058.3	3074.4	3088.9
15°	2950.6	2950.6	2953.8	2961.8	2966.7	2981.2	2989.2	3002.1	3013.3	3029.4	3050.3
17.5°	2900.7	2899.1	2900.7	2910.4	2920.1	2932.9	2939.3	2955.4	2966.7	2987.6	3006.9
20°	2850.9	2854.1	2854.1	2862.2	2868.6	2884.7	2891.1	2908.8	2921.7	2940.9	2963.5
22.5°	2807.5	2805.9	2805.9	2817.1	2822.0	2836.4	2842.8	2858.9	2873.4	2889.5	2910.4
25°	2764.1	2760.8	2767.3	2768.9	2772.1	2788.2	2793.0	2804.2	2818.7	2833.2	2854.1
27.5°	2699.7	2696.6	2698.1	2704.6	2709.4	2722.2	2725.5	2736.7	2748.0	2760.8	2778.6
30°	2575.9	2572.7	2571.1	2582.4	2587.2	2596.8	2601.6	2621.0	2624.2	2638.6	2651.5
32.5°	2411.9	2410.3	2413.6	2423.1	2428.0	2440.9	2447.3	2458.6	2466.6	2474.6	2487.5
35°	2228.6	2225.4	2228.6	2238.3	2238.3	2249.5	2254.4	2259.1	2257.6	2259.1	2256.0
37.5°	2058.2	2056.6	2058.2	2063.0	2058.2	2063.0	2058.2	2048.5	2030.9	2011.5	1992.2
40°	1913.5	1915.0	1905.5	1911.9	1894.1	1891.0	1873.3	1849.1	1813.8	1775.2	1720.5
42.5°	1759.1	1754.3	1747.9	1751.0	1736.6	1725.3	1696.4	1665.9	1620.8	1556.5	1490.5
45°	1569.4	1567.8	1564.5	1562.9	1553.3	1542.0	1517.9	1482.5	1432.7	1366.8	1288.0
47.5°	1384.4	1379.6	1379.6	1381.2	1370.0	1368.4	1349.0	1318.5	1275.1	1210.8	1128.8
50°	1207.5	1205.9	1209.2	1215.6	1207.5	1204.4	1191.5	1170.6	1132.0	1077.4	1000.1
52.5°	1048.4	1046.8	1050.0	1058.0	1054.8	1058.0	1045.2	1029.1	1003.4	950.3	882.8
55°	892.4	892.4	892.4	902.0	902.0	902.0	895.6	886.0	861.9	823.3	760.6
57.5°	730.0	731.6	741.3	742.9	741.3	744.5	742.9	733.2	717.2	689.8	641.6
60°	593.3	593.3	598.2	603.0	601.4	603.0	603.0	598.2	582.1	559.6	521.0
62.5°	469.5	474.3	471.1	474.3	480.8	474.3	471.1	467.9	456.7	442.2	410.0
65°	355.3	358.6	358.6	360.2	356.9	358.6	352.2	347.3	340.9	324.8	303.9
67.5°	270.2	270.2	270.2	270.2	268.5	266.9	265.3	260.5	249.3	242.8	220.3
70°	207.4	197.8	197.8	197.8	197.8	199.4	194.6	188.2	184.9	173.7	157.6
72.5°	138.3	141.5	138.3	138.3	135.1	136.7	130.3	127.0	123.8	117.4	107.7
75°	99.7	91.7	94.8	96.5	91.7	94.8	88.4	82.0	82.0	77.2	72.3
77.5°	64.3	62.7	64.3	65.9	64.3	62.7	59.5	56.3	56.3	54.7	49.8
80°	46.7	45.0	45.0	45.0	43.4	45.0	41.8	41.8	38.6	37.0	33.8
82.5°	30.6	30.6	28.9	30.6	28.9	30.6	25.7	25.7	25.7	24.1	20.9
85°	20.9	17.7	17.7	19.3	16.1	19.3	17.7	16.1	14.5	14.5	12.8
87.5°	9.7	11.3	9.7	11.3	9.7	9.7	11.3	9.7	9.7	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°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3277.0	3278.6	3278.6	3285.1	3288.2	3289.8	3289.8	3302.7	3297.9	3301.2	3304.3
5°	3230.4	3240.0	3243.2	3243.2	3260.9	3267.3	3273.8	3288.2	3289.8	3299.5	3310.7
7.5°	3185.3	3196.6	3203.1	3217.5	3228.7	3240.0	3259.3	3269.0	3278.6	3291.5	3305.9
10°	3141.9	3154.8	3167.7	3178.9	3196.6	3211.1	3223.9	3246.4	3257.7	3275.4	3294.7
12.5°	3100.2	3117.8	3129.1	3148.3	3167.7	3180.5	3199.8	3220.7	3238.4	3256.1	3278.6
15°	3063.2	3084.1	3096.9	3117.8	3138.7	3156.4	3177.3	3203.1	3215.9	3236.8	3257.7
17.5°	3022.9	3045.5	3061.6	3080.8	3106.6	3125.8	3143.6	3169.2	3185.3	3207.8	3232.0
20°	2981.2	3003.7	3022.9	3042.2	3068.0	3087.2	3108.2	3133.9	3151.6	3174.1	3193.4
22.5°	2931.3	2952.2	2973.1	2995.6	3021.3	3037.4	3061.6	3084.1	3103.3	3124.2	3143.6
25°	2867.0	2892.7	2908.8	2929.7	2950.6	2968.2	2994.0	3016.5	3032.6	3051.9	3069.6
27.5°	2791.4	2810.7	2823.6	2841.2	2862.2	2878.2	2897.5	2920.1	2936.1	2953.8	2966.7
30°	2662.7	2680.5	2691.7	2704.6	2725.5	2740.0	2756.1	2776.9	2788.2	2801.1	2812.3
32.5°	2493.9	2508.4	2514.8	2524.5	2539.0	2553.4	2566.3	2584.0	2588.8	2596.8	2596.8
35°	2249.5	2252.7	2251.1	2254.4	2260.8	2268.8	2280.1	2291.3	2297.7	2297.7	2293.0
37.5°	1963.3	1944.0	1923.1	1907.0	1902.2	1899.0	1905.5	1910.2	1916.7	1919.9	1911.9
40°	1665.9	1622.4	1575.8	1534.0	1505.0	1492.2	1487.4	1490.5	1490.5	1501.8	1501.8
42.5°	1410.2	1342.6	1273.5	1210.8	1169.0	1136.9	1122.4	1122.4	1123.9	1132.0	1136.9
45°	1197.9	1112.7	1032.3	963.2	905.3	863.4	844.2	839.4	837.8	840.9	852.2
47.5°	1035.5	947.1	863.4	778.3	717.2	675.3	657.7	651.2	644.8	651.2	652.8
50°	908.5	816.8	728.4	643.2	578.9	541.9	519.4	509.7	508.1	508.1	511.3
52.5°	792.7	707.5	619.1	532.3	464.7	429.3	408.4	403.6	397.2	403.6	403.6
55°	683.4	598.2	511.3	429.3	373.0	336.1	316.8	310.3	307.1	311.9	311.9
57.5°	564.4	492.0	411.7	337.7	281.4	255.7	241.2	233.2	231.5	234.8	231.5
60°	463.1	402.0	332.8	265.3	221.9	194.6	183.3	180.1	176.8	180.1	180.1
62.5°	366.6	315.2	258.8	207.4	170.4	151.2	138.3	138.3	136.7	136.7	138.3
65°	271.8	231.5	191.3	147.9	119.0	104.5	94.8	94.8	93.3	94.8	93.3
67.5°	197.8	170.4	138.3	107.7	85.2	77.2	70.8	65.9	69.2	65.9	64.3
70°	144.7	122.2	99.7	82.0	65.9	57.9	53.1	51.4	48.2	48.2	48.2
72.5°	96.5	82.0	67.5	53.1	43.4	35.3	33.8	30.6	27.3	28.9	32.2
75°	64.3	54.7	48.2	38.6	28.9	28.9	19.3	19.3	16.1	19.3	14.5
77.5°	45.0	37.0	28.9	24.1	19.3	17.7	12.8	12.8	11.3	11.3	11.3
80°	32.2	27.3	20.9	17.7	12.8	12.8	11.3	9.7	8.0	8.0	9.7
82.5°	19.3	14.5	14.5	12.8	8.0	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.3	9.7	8.0	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°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3312.4	3310.7	3314.0	3314.0	3323.7	3322.0	3326.8	3326.8	3323.7	3325.2	3331.7
5°	3323.7	3328.5	3338.1	3346.2	3360.6	3367.1	3375.1	3383.2	3384.7	3389.6	3394.4
7.5°	3323.7	3339.7	3351.0	3365.4	3384.7	3396.0	3413.7	3428.2	3434.6	3442.6	3452.3
10°	3317.2	3333.3	3354.2	3370.2	3394.4	3412.1	3429.7	3452.3	3461.9	3474.8	3487.7
12.5°	3304.3	3322.0	3344.5	3365.4	3392.8	3408.8	3431.3	3452.3	3466.7	3484.4	3498.9
15°	3285.1	3305.9	3326.8	3347.7	3376.7	3396.0	3416.9	3441.0	3455.5	3474.8	3487.7
17.5°	3254.5	3277.0	3296.3	3315.6	3342.9	3365.4	3384.7	3407.2	3421.7	3437.8	3455.5
20°	3217.5	3238.4	3259.3	3275.4	3302.7	3322.0	3342.9	3363.8	3375.1	3378.3	3405.7
22.5°	3170.9	3185.3	3201.4	3227.2	3243.2	3260.9	3280.2	3299.5	3310.7	3328.5	3338.1
25°	3093.7	3108.2	3125.8	3137.1	3156.4	3170.9	3190.2	3211.1	3217.5	3230.4	3240.0
27.5°	2986.0	2994.0	3002.1	3011.7	3022.9	3031.0	3042.2	3051.9	3058.3	3064.7	3071.2
30°	2815.5	2815.5	2815.5	2809.1	2813.9	2818.7	2820.3	2818.7	2818.7	2817.1	2817.1
32.5°	2590.4	2577.6	2563.1	2550.2	2545.4	2539.0	2535.7	2530.9	2522.9	2518.1	2519.6
35°	2286.5	2257.6	2239.9	2223.8	2211.0	2201.3	2196.5	2191.6	2190.0	2183.6	2177.1
37.5°	1907.0	1886.1	1873.3	1863.6	1852.4	1842.7	1844.3	1846.0	1850.7	1847.5	1849.1
40°	1505.0	1500.2	1505.0	1493.8	1490.5	1493.8	1501.8	1513.1	1519.5	1526.0	1537.2
42.5°	1144.9	1152.9	1164.2	1164.2	1169.0	1175.4	1185.0	1202.8	1212.4	1223.6	1236.5
45°	861.9	871.5	886.0	890.8	894.0	902.0	913.3	927.8	934.2	943.9	955.1
47.5°	664.1	670.5	678.5	686.6	694.6	697.8	709.1	709.1	717.2	723.6	726.8
50°	517.8	524.2	530.6	535.4	538.7	543.5	546.7	551.5	553.1	556.3	557.9
52.5°	405.2	413.3	413.3	416.4	421.3	426.1	424.5	426.1	427.7	427.7	432.5
55°	316.8	316.8	321.6	321.6	324.8	323.2	324.8	324.8	324.8	324.8	326.4
57.5°	236.3	238.0	242.8	239.6	238.0	241.2	238.0	241.2	239.6	242.8	238.0
60°	181.7	181.7	183.3	183.3	184.9	184.9	184.9	183.3	183.3	181.7	181.7
62.5°	136.7	138.3	139.9	138.3	138.3	138.3	136.7	136.7	135.1	133.4	133.4
65°	91.7	90.1	93.3	90.1	91.7	91.7	90.1	91.7	86.8	88.4	86.8
67.5°	65.9	64.3	62.7	64.3	62.7	61.1	61.1	62.7	64.3	59.5	59.5
70°	43.4	45.0	43.4	45.0	46.7	46.7	45.0	43.4	45.0	41.8	43.4
72.5°	27.3	27.3	27.3	27.3	27.3	28.9	28.9	28.9	25.7	25.7	24.1
75°	12.8	17.7	14.5	12.8	17.7	17.7	16.1	16.1	14.5	14.5	14.5
77.5°	12.8	9.7	9.7	9.7	9.7	9.7	9.7	9.7	8.0	9.7	8.0
80°	6.4	6.4	6.4	4.8	6.4	6.4	8.0	6.4	6.4	4.8	8.0
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: P248642

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3330.1	3328.5	3330.1	3331.7	3330.1	3328.5	3330.1	3331.7	3325.2	3323.7	3326.8
5°	3400.8	3400.8	3404.0	3405.7	3404.0	3400.8	3400.8	3394.4	3389.6	3384.7	3383.2
7.5°	3461.9	3465.2	3468.3	3469.9	3468.3	3465.2	3461.9	3452.3	3442.6	3434.6	3428.2
10°	3498.9	3503.7	3510.2	3513.3	3510.2	3503.7	3498.9	3487.7	3474.8	3461.9	3452.3
12.5°	3515.0	3519.8	3527.8	3526.2	3527.8	3519.8	3515.0	3498.9	3484.4	3466.7	3452.3
15°	3503.7	3510.2	3518.2	3521.4	3518.2	3510.2	3503.7	3487.7	3474.8	3455.5	3441.0
17.5°	3468.3	3478.0	3482.8	3487.7	3482.8	3478.0	3468.3	3455.5	3437.8	3421.7	3407.2
20°	3420.1	3426.6	3433.0	3434.6	3433.0	3426.6	3420.1	3405.7	3378.3	3375.1	3363.8
22.5°	3351.0	3355.8	3370.2	3365.4	3370.2	3355.8	3351.0	3338.1	3328.5	3310.7	3299.5
25°	3251.2	3256.1	3257.7	3259.3	3257.7	3256.1	3251.2	3240.0	3230.4	3217.5	3211.1
27.5°	3079.2	3079.2	3082.4	3084.1	3082.4	3079.2	3079.2	3071.2	3064.7	3058.3	3051.9
30°	2818.7	2818.7	2818.7	2826.8	2818.7	2818.7	2818.7	2817.1	2817.1	2818.7	2818.7
32.5°	2518.1	2514.8	2511.6	2514.8	2511.6	2514.8	2518.1	2519.6	2518.1	2522.9	2530.9
35°	2177.1	2175.6	2180.4	2174.0	2180.4	2175.6	2177.1	2177.1	2183.6	2190.0	2191.6
37.5°	1850.7	1847.5	1854.0	1847.5	1854.0	1847.5	1850.7	1849.1	1847.5	1850.7	1846.0
40°	1540.4	1543.6	1543.6	1556.5	1543.6	1543.6	1540.4	1537.2	1526.0	1519.5	1513.1
42.5°	1242.9	1252.6	1249.4	1259.0	1249.4	1252.6	1242.9	1236.5	1223.6	1212.4	1202.8
45°	961.5	968.0	968.0	971.2	968.0	968.0	961.5	955.1	943.9	934.2	927.8
47.5°	738.0	738.0	738.0	739.7	738.0	738.0	738.0	726.8	723.6	717.2	709.1
50°	561.2	562.8	564.4	566.0	564.4	562.8	561.2	557.9	556.3	553.1	551.5
52.5°	430.9	432.5	429.3	432.5	429.3	432.5	430.9	432.5	427.7	427.7	426.1
55°	326.4	324.8	326.4	328.0	326.4	324.8	326.4	326.4	324.8	324.8	324.8
57.5°	239.6	236.3	236.3	236.3	236.3	236.3	239.6	238.0	242.8	239.6	241.2
60°	178.5	180.1	180.1	181.7	180.1	180.1	178.5	181.7	181.7	183.3	183.3
62.5°	131.8	136.7	133.4	136.7	133.4	136.7	131.8	133.4	133.4	135.1	136.7
65°	85.2	85.2	85.2	86.8	85.2	85.2	85.2	86.8	88.4	86.8	91.7
67.5°	57.9	59.5	62.7	61.1	62.7	59.5	57.9	59.5	59.5	64.3	62.7
70°	46.7	41.8	41.8	46.7	41.8	41.8	46.7	43.4	41.8	45.0	43.4
72.5°	27.3	24.1	27.3	27.3	27.3	24.1	27.3	24.1	25.7	25.7	28.9
75°	14.5	12.8	11.3	16.1	11.3	12.8	14.5	14.5	14.5	14.5	16.1
77.5°	9.7	8.0	11.3	11.3	11.3	8.0	9.7	8.0	9.7	8.0	9.7
80°	4.8	6.4	4.8	8.0	4.8	6.4	4.8	8.0	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: P248642

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3326.8	3322.0	3323.7	3314.0	3314.0	3310.7	3312.4	3304.3	3301.2	3297.9	3302.7
5°	3375.1	3367.1	3360.6	3346.2	3338.1	3328.5	3323.7	3310.7	3299.5	3289.8	3288.2
7.5°	3413.7	3396.0	3384.7	3365.4	3351.0	3339.7	3323.7	3305.9	3291.5	3278.6	3269.0
10°	3429.7	3412.1	3394.4	3370.2	3354.2	3333.3	3317.2	3294.7	3275.4	3257.7	3246.4
12.5°	3431.3	3408.8	3392.8	3365.4	3344.5	3322.0	3304.3	3278.6	3256.1	3238.4	3220.7
15°	3416.9	3396.0	3376.7	3347.7	3326.8	3305.9	3285.1	3257.7	3236.8	3215.9	3203.1
17.5°	3384.7	3365.4	3342.9	3315.6	3296.3	3277.0	3254.5	3232.0	3207.8	3185.3	3169.2
20°	3342.9	3322.0	3302.7	3275.4	3259.3	3238.4	3217.5	3193.4	3174.1	3151.6	3133.9
22.5°	3280.2	3260.9	3243.2	3227.2	3201.4	3185.3	3170.9	3143.6	3124.2	3103.3	3084.1
25°	3190.2	3170.9	3156.4	3137.1	3125.8	3108.2	3093.7	3069.6	3051.9	3032.6	3016.5
27.5°	3042.2	3031.0	3022.9	3011.7	3002.1	2994.0	2986.0	2966.7	2953.8	2936.1	2920.1
30°	2820.3	2818.7	2813.9	2809.1	2815.5	2815.5	2815.5	2812.3	2801.1	2788.2	2776.9
32.5°	2535.7	2539.0	2545.4	2550.2	2563.1	2577.6	2590.4	2596.8	2596.8	2588.8	2584.0
35°	2196.5	2201.3	2211.0	2223.8	2239.9	2257.6	2286.5	2293.0	2297.7	2297.7	2291.3
37.5°	1844.3	1842.7	1852.4	1863.6	1873.3	1886.1	1907.0	1911.9	1919.9	1916.7	1910.2
40°	1501.8	1493.8	1490.5	1493.8	1505.0	1500.2	1505.0	1501.8	1501.8	1490.5	1490.5
42.5°	1185.0	1175.4	1169.0	1164.2	1164.2	1152.9	1144.9	1136.9	1132.0	1123.9	1122.4
45°	913.3	902.0	894.0	890.8	886.0	871.5	861.9	852.2	840.9	837.8	839.4
47.5°	709.1	697.8	694.6	686.6	678.5	670.5	664.1	652.8	651.2	644.8	651.2
50°	546.7	543.5	538.7	535.4	530.6	524.2	517.8	511.3	508.1	508.1	509.7
52.5°	424.5	426.1	421.3	416.4	413.3	413.3	405.2	403.6	403.6	397.2	403.6
55°	324.8	323.2	324.8	321.6	321.6	316.8	316.8	311.9	311.9	307.1	310.3
57.5°	238.0	241.2	238.0	239.6	242.8	238.0	236.3	231.5	234.8	231.5	233.2
60°	184.9	184.9	184.9	183.3	183.3	181.7	181.7	180.1	180.1	176.8	180.1
62.5°	136.7	138.3	138.3	138.3	139.9	138.3	136.7	138.3	136.7	136.7	138.3
65°	90.1	91.7	91.7	90.1	93.3	90.1	91.7	93.3	94.8	93.3	94.8
67.5°	61.1	61.1	62.7	64.3	62.7	64.3	65.9	64.3	65.9	69.2	65.9
70°	45.0	46.7	46.7	45.0	43.4	45.0	43.4	48.2	48.2	48.2	51.4
72.5°	28.9	28.9	27.3	27.3	27.3	27.3	27.3	32.2	28.9	27.3	30.6
75°	16.1	17.7	17.7	12.8	14.5	17.7	12.8	14.5	19.3	16.1	19.3
77.5°	9.7	9.7	9.7	9.7	9.7	9.7	12.8	11.3	11.3	11.3	12.8
80°	8.0	6.4	6.4	4.8	6.4	6.4	6.4	9.7	8.0	8.0	9.7
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: P248642

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3289.8	3289.8	3288.2	3285.1	3278.6	3278.6	3277.0	3272.2	3269.0	3267.3	3267.3
5°	3273.8	3267.3	3260.9	3243.2	3243.2	3240.0	3230.4	3223.9	3220.7	3212.7	3209.5
7.5°	3259.3	3240.0	3228.7	3217.5	3203.1	3196.6	3185.3	3180.5	3169.2	3161.2	3156.4
10°	3223.9	3211.1	3196.6	3178.9	3167.7	3154.8	3141.9	3132.3	3117.8	3109.7	3103.3
12.5°	3199.8	3180.5	3167.7	3148.3	3129.1	3117.8	3100.2	3088.9	3074.4	3058.3	3048.7
15°	3177.3	3156.4	3138.7	3117.8	3096.9	3084.1	3063.2	3050.3	3029.4	3013.3	3002.1
17.5°	3143.6	3125.8	3106.6	3080.8	3061.6	3045.5	3022.9	3006.9	2987.6	2966.7	2955.4
20°	3108.2	3087.2	3068.0	3042.2	3022.9	3003.7	2981.2	2963.5	2940.9	2921.7	2908.8
22.5°	3061.6	3037.4	3021.3	2995.6	2973.1	2952.2	2931.3	2910.4	2889.5	2873.4	2858.9
25°	2994.0	2968.2	2950.6	2929.7	2908.8	2892.7	2867.0	2854.1	2833.2	2818.7	2804.2
27.5°	2897.5	2878.2	2862.2	2841.2	2823.6	2810.7	2791.4	2778.6	2760.8	2748.0	2736.7
30°	2756.1	2740.0	2725.5	2704.6	2691.7	2680.5	2662.7	2651.5	2638.6	2624.2	2621.0
32.5°	2566.3	2553.4	2539.0	2524.5	2514.8	2508.4	2493.9	2487.5	2474.6	2466.6	2458.6
35°	2280.1	2268.8	2260.8	2254.4	2251.1	2252.7	2249.5	2256.0	2259.1	2257.6	2259.1
37.5°	1905.5	1899.0	1902.2	1907.0	1923.1	1944.0	1963.3	1992.2	2011.5	2030.9	2048.5
40°	1487.4	1492.2	1505.0	1534.0	1575.8	1622.4	1665.9	1720.5	1775.2	1813.8	1849.1
42.5°	1122.4	1136.9	1169.0	1210.8	1273.5	1342.6	1410.2	1490.5	1556.5	1620.8	1665.9
45°	844.2	863.4	905.3	963.2	1032.3	1112.7	1197.9	1288.0	1366.8	1432.7	1482.5
47.5°	657.7	675.3	717.2	778.3	863.4	947.1	1035.5	1128.8	1210.8	1275.1	1318.5
50°	519.4	541.9	578.9	643.2	728.4	816.8	908.5	1000.1	1077.4	1132.0	1170.6
52.5°	408.4	429.3	464.7	532.3	619.1	707.5	792.7	882.8	950.3	1003.4	1029.1
55°	316.8	336.1	373.0	429.3	511.3	598.2	683.4	760.6	823.3	861.9	886.0
57.5°	241.2	255.7	281.4	337.7	411.7	492.0	564.4	641.6	689.8	717.2	733.2
60°	183.3	194.6	221.9	265.3	332.8	402.0	463.1	521.0	559.6	582.1	598.2
62.5°	138.3	151.2	170.4	207.4	258.8	315.2	366.6	410.0	442.2	456.7	467.9
65°	94.8	104.5	119.0	147.9	191.3	231.5	271.8	303.9	324.8	340.9	347.3
67.5°	70.8	77.2	85.2	107.7	138.3	170.4	197.8	220.3	242.8	249.3	260.5
70°	53.1	57.9	65.9	82.0	99.7	122.2	144.7	157.6	173.7	184.9	188.2
72.5°	33.8	35.3	43.4	53.1	67.5	82.0	96.5	107.7	117.4	123.8	127.0
75°	19.3	28.9	28.9	38.6	48.2	54.7	64.3	72.3	77.2	82.0	82.0
77.5°	12.8	17.7	19.3	24.1	28.9	37.0	45.0	49.8	54.7	56.3	56.3
80°	11.3	12.8	12.8	17.7	20.9	27.3	32.2	33.8	37.0	38.6	41.8
82.5°	4.8	6.4	8.0	12.8	14.5	14.5	19.3	20.9	24.1	25.7	25.7
85°	1.6	3.2	3.2	4.8	8.0	9.7	11.3	12.8	14.5	14.5	16.1
87.5°	1.6	1.6	0.0	1.6	3.2	3.2	6.4	6.4	6.4	9.7	9.7
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: P248642

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0H

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1	3293.1
2.5°	3264.2	3265.7	3259.3	3257.7	3254.5	3256.1	3259.3
5°	3204.7	3206.2	3199.8	3193.4	3193.4	3191.7	3193.4
7.5°	3148.3	3150.0	3140.3	3137.1	3130.7	3132.3	3132.3
10°	3092.1	3092.1	3077.6	3076.0	3071.2	3069.6	3069.6
12.5°	3037.4	3032.6	3021.3	3014.9	3018.1	3008.5	3008.5
15°	2989.2	2981.2	2966.7	2961.8	2953.8	2950.6	2950.6
17.5°	2939.3	2932.9	2920.1	2910.4	2900.7	2899.1	2900.7
20°	2891.1	2884.7	2868.6	2862.2	2854.1	2854.1	2850.9
22.5°	2842.8	2836.4	2822.0	2817.1	2805.9	2805.9	2807.5
25°	2793.0	2788.2	2772.1	2768.9	2767.3	2760.8	2764.1
27.5°	2725.5	2722.2	2709.4	2704.6	2698.1	2696.6	2699.7
30°	2601.6	2596.8	2587.2	2582.4	2571.1	2572.7	2575.9
32.5°	2447.3	2440.9	2428.0	2423.1	2413.6	2410.3	2411.9
35°	2254.4	2249.5	2238.3	2238.3	2228.6	2225.4	2228.6
37.5°	2058.2	2063.0	2058.2	2063.0	2058.2	2056.6	2058.2
40°	1873.3	1891.0	1894.1	1911.9	1905.5	1915.0	1913.5
42.5°	1696.4	1725.3	1736.6	1751.0	1747.9	1754.3	1759.1
45°	1517.9	1542.0	1553.3	1562.9	1564.5	1567.8	1569.4
47.5°	1349.0	1368.4	1370.0	1381.2	1379.6	1379.6	1384.4
50°	1191.5	1204.4	1207.5	1215.6	1209.2	1205.9	1207.5
52.5°	1045.2	1058.0	1054.8	1058.0	1050.0	1046.8	1048.4
55°	895.6	902.0	902.0	902.0	892.4	892.4	892.4
57.5°	742.9	744.5	741.3	742.9	741.3	731.6	730.0
60°	603.0	603.0	601.4	603.0	598.2	593.3	593.3
62.5°	471.1	474.3	480.8	474.3	471.1	474.3	469.5
65°	352.2	358.6	356.9	360.2	358.6	358.6	355.3
67.5°	265.3	266.9	268.5	270.2	270.2	270.2	270.2
70°	194.6	199.4	197.8	197.8	197.8	197.8	207.4
72.5°	130.3	136.7	135.1	138.3	138.3	141.5	138.3
75°	88.4	94.8	91.7	96.5	94.8	91.7	99.7
77.5°	59.5	62.7	64.3	65.9	64.3	62.7	64.3
80°	41.8	45.0	43.4	45.0	45.0	45.0	46.7
82.5°	25.7	30.6	28.9	30.6	28.9	30.6	30.6
85°	17.7	19.3	16.1	19.3	17.7	17.7	20.9
87.5°	11.3	9.7	9.7	11.3	9.7	11.3	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)