

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: P244979

Luminaire Tested: **LD8B50D010 ER8B50850 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244979  
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: LD8B50D010 ER8B50850 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 5000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5528.0 lumens  
Efficiency: N/A  
Efficacy: 104.3 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

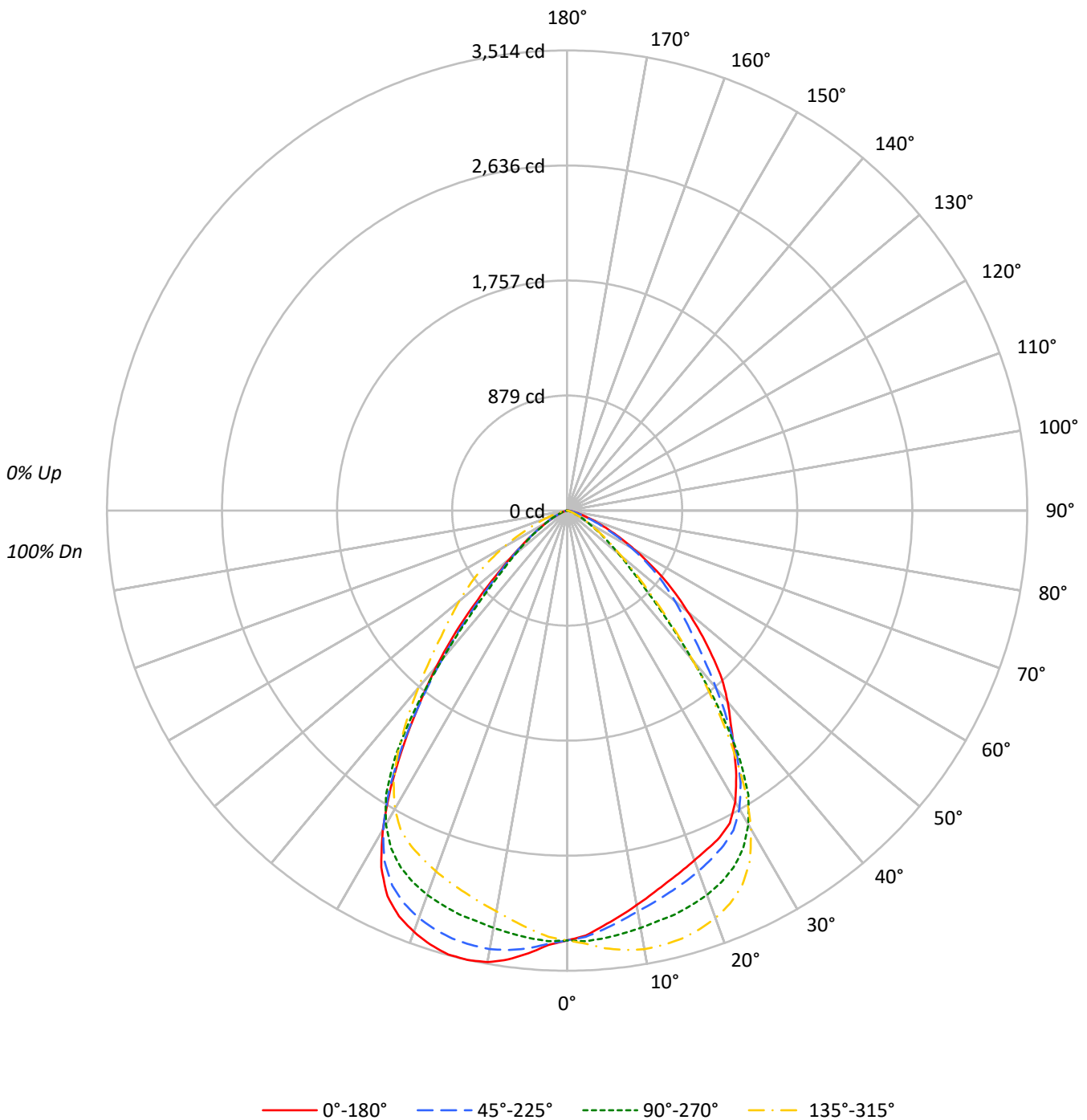
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	101199	101199	101199	101199
5°	98511	101437	105058	101437
10°	95787	101304	109633	101304
15°	93873	101905	112034	101905
20°	93232	102489	112320	102489
25°	93723	102283	110517	102283
30°	91406	98538	100308	98538
35°	83608	85961	81556	85961
40°	76760	59793	62442	59793
45°	68205	36479	42209	36479
50°	57730	24365	27061	24365
55°	47815	16628	17575	16628
60°	36467	11070	11169	11070
65°	25837	6895	6311	6895
70°	18636	4616	4192	4616
75°	11831	2299	1906	2299
80°	8257	1705	1421	1705
85°	7359	0	566	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.4	5.7
10°-20°	904.6	16.4
20°-30°	1369.7	24.8
30°-40°	1372.8	24.8
40°-50°	862.0	15.6
50°-60°	459.4	8.3
60°-70°	188.9	3.4
70°-80°	49.9	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°	2586.6	46.8
0°-40°	3959.4	71.6
0°-60°	5280.7	95.5
0°-90°	5528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3282	3282	3282	3282	3282	
5°	3182	3277	3394	3277	3182	300
15°	2940	3192	3509	3192	2940	832
25°	2755	3006	3248	3006	2755	1263
35°	2221	2284	2166	2284	2221	1391
45°	1564	836	968	836	1564	1203
55°	889	309	327	309	889	793
65°	354	94	86	94	354	367
75°	99	19	16	19	99	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°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3248.2	3244.9	3243.3	3246.6	3248.2	3254.6	3253.0	3256.1	3256.1	3257.8	3261.0
5°	3182.5	3180.8	3182.5	3182.5	3188.9	3195.3	3193.7	3198.5	3201.7	3209.7	3212.9
7.5°	3121.6	3121.6	3119.9	3126.3	3129.6	3139.2	3137.5	3145.6	3150.4	3158.4	3169.6
10°	3059.1	3059.1	3060.6	3065.5	3067.1	3081.5	3081.5	3092.7	3099.1	3107.1	3121.6
12.5°	2998.2	2998.2	3007.8	3004.6	3011.0	3022.2	3027.0	3038.2	3047.8	3063.9	3078.3
15°	2940.5	2940.5	2943.7	2951.7	2956.5	2970.9	2978.9	2991.8	3003.0	3019.0	3039.9
17.5°	2890.8	2889.2	2890.8	2900.4	2910.1	2922.9	2929.3	2945.3	2956.5	2977.3	2996.6
20°	2841.1	2844.4	2844.4	2852.3	2858.7	2874.8	2881.2	2898.8	2911.6	2930.8	2953.3
22.5°	2797.9	2796.3	2796.3	2807.5	2812.3	2826.7	2833.1	2849.1	2863.6	2879.6	2900.4
25°	2754.6	2751.4	2757.8	2759.4	2762.6	2778.6	2783.4	2794.6	2809.1	2823.5	2844.4
27.5°	2690.5	2687.3	2688.9	2695.3	2700.1	2712.9	2716.1	2727.4	2738.6	2751.4	2769.0
30°	2567.1	2563.9	2562.3	2573.5	2578.4	2587.9	2592.7	2612.0	2615.2	2629.6	2642.4
32.5°	2403.6	2402.1	2405.3	2414.8	2419.7	2432.5	2438.9	2450.1	2458.1	2466.2	2479.0
35°	2221.0	2217.8	2221.0	2230.6	2230.6	2241.8	2246.7	2251.4	2249.8	2251.4	2248.2
37.5°	2051.2	2049.5	2051.2	2055.9	2051.2	2055.9	2051.2	2041.5	2023.9	2004.7	1985.4
40°	1906.9	1908.5	1898.9	1905.3	1887.6	1884.5	1866.9	1842.8	1807.6	1769.1	1714.6
42.5°	1753.1	1748.3	1741.9	1745.0	1730.7	1719.4	1690.6	1660.2	1615.2	1551.2	1485.4
45°	1564.0	1562.4	1559.2	1557.6	1548.0	1536.8	1512.7	1477.5	1427.8	1362.1	1283.5
47.5°	1379.7	1374.9	1374.9	1376.5	1365.3	1363.7	1344.4	1314.0	1270.7	1206.6	1124.9
50°	1203.4	1201.8	1205.0	1211.4	1203.4	1200.2	1187.4	1166.6	1128.1	1073.7	996.7
52.5°	1044.8	1043.2	1046.4	1054.4	1051.2	1054.4	1041.6	1025.6	999.9	947.0	879.7
55°	889.4	889.4	889.4	898.9	898.9	898.9	892.5	883.0	858.9	820.4	758.0
57.5°	727.5	729.1	738.7	740.3	738.7	742.0	740.3	730.7	714.7	687.5	639.4
60°	591.3	591.3	596.1	600.9	599.3	600.9	600.9	596.1	580.1	557.7	519.2
62.5°	467.9	472.7	469.5	472.7	479.1	472.7	469.5	466.3	455.1	440.7	408.6
65°	354.1	357.4	357.4	358.9	355.7	357.4	351.0	346.1	339.7	323.7	302.9
67.5°	269.2	269.2	269.2	269.2	267.6	266.0	264.4	259.6	248.4	242.0	219.5
70°	206.7	197.1	197.1	197.1	197.1	198.7	193.9	187.5	184.3	173.1	157.0
72.5°	137.8	141.0	137.8	137.8	134.6	136.2	129.8	126.6	123.4	117.0	107.4
75°	99.3	91.4	94.5	96.2	91.4	94.5	88.1	81.7	81.7	76.9	72.1
77.5°	64.1	62.5	64.1	65.7	64.1	62.5	59.3	56.1	56.1	54.5	49.7
80°	46.5	44.9	44.9	44.9	43.3	44.9	41.7	41.7	38.5	36.9	33.6
82.5°	30.5	30.5	28.8	30.5	28.8	30.5	25.7	25.7	25.7	24.0	20.8
85°	20.8	17.6	17.6	19.3	16.0	19.3	17.6	16.0	14.4	14.4	12.8
87.5°	9.6	11.2	9.6	11.2	9.6	9.6	11.2	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°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3265.8	3267.4	3267.4	3273.8	3277.0	3278.6	3278.6	3291.4	3286.6	3289.8	3293.0
5°	3219.3	3228.9	3232.1	3232.1	3249.7	3256.1	3262.5	3277.0	3278.6	3288.2	3299.4
7.5°	3174.4	3185.6	3192.1	3206.5	3217.7	3228.9	3248.2	3257.8	3267.4	3280.2	3294.6
10°	3131.2	3144.0	3156.8	3168.0	3185.6	3200.1	3212.9	3235.3	3246.6	3264.2	3283.4
12.5°	3089.5	3107.1	3118.4	3137.5	3156.8	3169.6	3188.9	3209.7	3227.3	3244.9	3267.4
15°	3052.7	3073.5	3086.3	3107.1	3128.0	3145.6	3166.4	3192.1	3204.9	3225.7	3246.6
17.5°	3012.6	3035.1	3051.1	3070.3	3095.9	3115.1	3132.8	3158.4	3174.4	3196.8	3220.9
20°	2970.9	2993.4	3012.6	3031.8	3057.5	3076.7	3097.5	3123.2	3140.8	3163.2	3182.5
22.5°	2921.3	2942.1	2962.9	2985.3	3011.0	3027.0	3051.1	3073.5	3092.7	3113.5	3132.8
25°	2857.2	2882.8	2898.8	2919.6	2940.5	2958.1	2983.7	3006.2	3022.2	3041.4	3059.1
27.5°	2781.8	2801.1	2813.9	2831.5	2852.3	2868.4	2887.6	2910.1	2926.1	2943.7	2956.5
30°	2653.6	2671.3	2682.5	2695.3	2716.1	2730.6	2746.6	2767.4	2778.6	2791.5	2802.7
32.5°	2485.4	2499.8	2506.2	2515.8	2530.3	2544.7	2557.5	2575.1	2579.9	2587.9	2587.9
35°	2241.8	2245.0	2243.4	2246.7	2253.1	2261.0	2272.2	2283.5	2289.9	2289.9	2285.1
37.5°	1956.6	1937.4	1916.5	1900.5	1895.7	1892.5	1898.9	1903.7	1910.1	1913.3	1905.3
40°	1660.2	1616.9	1570.4	1528.7	1499.9	1487.1	1482.3	1485.4	1485.4	1496.6	1496.6
42.5°	1405.4	1338.0	1269.2	1206.6	1164.9	1133.0	1118.5	1118.5	1120.1	1128.1	1133.0
45°	1193.8	1108.9	1028.7	959.9	902.2	860.5	841.3	836.5	834.9	838.1	849.3
47.5°	1032.0	943.9	860.5	775.6	714.7	673.0	655.4	649.0	642.6	649.0	650.6
50°	905.4	814.1	725.9	641.0	576.9	540.0	517.6	507.9	506.4	506.4	509.6
52.5°	790.0	705.1	617.0	530.4	463.1	427.9	407.0	402.2	395.8	402.2	402.2
55°	681.0	596.1	509.6	427.9	371.7	334.9	315.7	309.3	306.0	310.9	310.9
57.5°	562.5	490.3	410.3	336.5	280.5	254.8	240.4	232.4	230.7	234.0	230.7
60°	461.5	400.6	331.7	264.4	221.2	193.9	182.7	179.5	176.2	179.5	179.5
62.5°	365.3	314.1	258.0	206.7	169.8	150.6	137.8	137.8	136.2	136.2	137.8
65°	270.8	230.7	190.7	147.4	118.6	104.1	94.5	94.5	92.9	94.5	92.9
67.5°	197.1	169.8	137.8	107.4	85.0	76.9	70.5	65.7	68.9	65.7	64.1
70°	144.2	121.8	99.3	81.7	65.7	57.7	52.9	51.2	48.1	48.1	48.1
72.5°	96.2	81.7	67.3	52.9	43.3	35.2	33.6	30.5	27.2	28.8	32.1
75°	64.1	54.5	48.1	38.5	28.8	28.8	19.3	19.3	16.0	19.3	14.4
77.5°	44.9	36.9	28.8	24.0	19.3	17.6	12.8	12.8	11.2	11.2	11.2
80°	32.1	27.2	20.8	17.6	12.8	12.8	11.2	9.6	8.0	8.0	9.6
82.5°	19.3	14.4	14.4	12.8	8.0	6.4	4.8	6.4	3.2	3.2	3.2
85°	11.2	9.6	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°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3301.1	3299.4	3302.6	3302.6	3312.3	3310.6	3315.4	3315.4	3312.3	3313.9	3320.3
5°	3312.3	3317.1	3326.6	3334.7	3349.1	3355.5	3363.5	3371.6	3373.2	3378.0	3382.8
7.5°	3312.3	3328.3	3339.5	3353.9	3373.2	3384.4	3402.0	3416.4	3422.8	3430.8	3440.4
10°	3305.8	3321.8	3342.7	3358.7	3382.8	3400.4	3418.0	3440.4	3450.1	3462.9	3475.7
12.5°	3293.0	3310.6	3333.0	3353.9	3381.1	3397.2	3419.6	3440.4	3454.9	3472.5	3486.9
15°	3273.8	3294.6	3315.4	3336.3	3365.1	3384.4	3405.2	3429.2	3443.7	3462.9	3475.7
17.5°	3243.3	3265.8	3285.0	3304.2	3331.5	3353.9	3373.2	3395.6	3410.0	3426.0	3443.7
20°	3206.5	3227.3	3248.2	3264.2	3291.4	3310.6	3331.5	3352.3	3363.5	3366.8	3394.0
22.5°	3160.0	3174.4	3190.4	3216.1	3232.1	3249.7	3269.0	3288.2	3299.4	3317.1	3326.6
25°	3083.1	3097.5	3115.1	3126.3	3145.6	3160.0	3179.2	3200.1	3206.5	3219.3	3228.9
27.5°	2975.8	2983.7	2991.8	3001.3	3012.6	3020.6	3031.8	3041.4	3047.8	3054.2	3060.6
30°	2805.8	2805.8	2805.8	2799.4	2804.3	2809.1	2810.7	2809.1	2809.1	2807.5	2807.5
32.5°	2581.5	2568.7	2554.3	2541.5	2536.7	2530.3	2527.0	2522.2	2514.2	2509.4	2511.0
35°	2278.6	2249.8	2232.2	2216.2	2203.4	2193.8	2188.9	2184.1	2182.5	2176.1	2169.7
37.5°	1900.5	1879.7	1866.9	1857.2	1846.0	1836.4	1838.0	1839.6	1844.4	1841.2	1842.8
40°	1499.9	1495.1	1499.9	1488.7	1485.4	1488.7	1496.6	1507.9	1514.3	1520.7	1531.9
42.5°	1140.9	1148.9	1160.2	1160.2	1164.9	1171.4	1181.0	1198.7	1208.2	1219.4	1232.3
45°	858.9	868.5	883.0	887.7	891.0	898.9	910.2	924.6	931.0	940.6	951.8
47.5°	661.8	668.2	676.2	684.2	692.2	695.5	706.7	706.7	714.7	721.1	724.3
50°	516.0	522.4	528.8	533.6	536.8	541.6	544.8	549.6	551.2	554.4	556.0
52.5°	403.8	411.8	411.8	415.0	419.8	424.6	423.1	424.6	426.2	426.2	431.0
55°	315.7	315.7	320.5	320.5	323.7	322.1	323.7	323.7	323.7	323.7	325.3
57.5°	235.5	237.2	242.0	238.8	237.2	240.4	237.2	240.4	238.8	242.0	237.2
60°	181.1	181.1	182.7	182.7	184.3	184.3	184.3	182.7	182.7	181.1	181.1
62.5°	136.2	137.8	139.4	137.8	137.8	137.8	136.2	136.2	134.6	133.0	133.0
65°	91.4	89.8	92.9	89.8	91.4	91.4	89.8	91.4	86.5	88.1	86.5
67.5°	65.7	64.1	62.5	64.1	62.5	60.9	60.9	62.5	64.1	59.3	59.3
70°	43.3	44.9	43.3	44.9	46.5	46.5	44.9	43.3	44.9	41.7	43.3
72.5°	27.2	27.2	27.2	27.2	27.2	28.8	28.8	28.8	25.7	25.7	24.0
75°	12.8	17.6	14.4	12.8	17.6	17.6	16.0	16.0	14.4	14.4	14.4
77.5°	12.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.0	9.6	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: P244979

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3318.7	3317.1	3318.7	3320.3	3318.7	3317.1	3318.7	3320.3	3313.9	3312.3	3315.4
5°	3389.2	3389.2	3392.3	3394.0	3392.3	3389.2	3389.2	3382.8	3378.0	3373.2	3371.6
7.5°	3450.1	3453.3	3456.5	3458.0	3456.5	3453.3	3450.1	3440.4	3430.8	3422.8	3416.4
10°	3486.9	3491.7	3498.1	3501.3	3498.1	3491.7	3486.9	3475.7	3462.9	3450.1	3440.4
12.5°	3503.0	3507.8	3515.8	3514.2	3515.8	3507.8	3503.0	3486.9	3472.5	3454.9	3440.4
15°	3491.7	3498.1	3506.1	3509.4	3506.1	3498.1	3491.7	3475.7	3462.9	3443.7	3429.2
17.5°	3456.5	3466.1	3470.9	3475.7	3470.9	3466.1	3456.5	3443.7	3426.0	3410.0	3395.6
20°	3408.4	3414.8	3421.2	3422.8	3421.2	3414.8	3408.4	3394.0	3366.8	3363.5	3352.3
22.5°	3339.5	3344.3	3358.7	3353.9	3358.7	3344.3	3339.5	3326.6	3317.1	3299.4	3288.2
25°	3240.1	3244.9	3246.6	3248.2	3246.6	3244.9	3240.1	3228.9	3219.3	3206.5	3200.1
27.5°	3068.7	3068.7	3071.9	3073.5	3071.9	3068.7	3068.7	3060.6	3054.2	3047.8	3041.4
30°	2809.1	2809.1	2809.1	2817.1	2809.1	2809.1	2809.1	2807.5	2807.5	2809.1	2809.1
32.5°	2509.4	2506.2	2503.0	2506.2	2503.0	2506.2	2509.4	2511.0	2509.4	2514.2	2522.2
35°	2169.7	2168.1	2172.9	2166.5	2172.9	2168.1	2169.7	2169.7	2176.1	2182.5	2184.1
37.5°	1844.4	1841.2	1847.6	1841.2	1847.6	1841.2	1844.4	1842.8	1841.2	1844.4	1839.6
40°	1535.2	1538.3	1538.3	1551.2	1538.3	1538.3	1535.2	1531.9	1520.7	1514.3	1507.9
42.5°	1238.7	1248.3	1245.1	1254.7	1245.1	1248.3	1238.7	1232.3	1219.4	1208.2	1198.7
45°	958.2	964.7	964.7	967.9	964.7	964.7	958.2	951.8	940.6	931.0	924.6
47.5°	735.5	735.5	735.5	737.1	735.5	735.5	735.5	724.3	721.1	714.7	706.7
50°	559.3	560.8	562.5	564.1	562.5	560.8	559.3	556.0	554.4	551.2	549.6
52.5°	429.5	431.0	427.9	431.0	427.9	431.0	429.5	431.0	426.2	426.2	424.6
55°	325.3	323.7	325.3	326.9	325.3	323.7	325.3	325.3	323.7	323.7	323.7
57.5°	238.8	235.5	235.5	235.5	235.5	235.5	238.8	237.2	242.0	238.8	240.4
60°	177.9	179.5	179.5	181.1	179.5	179.5	177.9	181.1	181.1	182.7	182.7
62.5°	131.4	136.2	133.0	136.2	133.0	136.2	131.4	133.0	133.0	134.6	136.2
65°	85.0	85.0	85.0	86.5	85.0	85.0	85.0	86.5	88.1	86.5	91.4
67.5°	57.7	59.3	62.5	60.9	62.5	59.3	57.7	59.3	59.3	64.1	62.5
70°	46.5	41.7	41.7	46.5	41.7	41.7	46.5	43.3	41.7	44.9	43.3
72.5°	27.2	24.0	27.2	27.2	27.2	24.0	27.2	24.0	25.7	25.7	28.8
75°	14.4	12.8	11.2	16.0	11.2	12.8	14.4	14.4	14.4	14.4	16.0
77.5°	9.6	8.0	11.2	11.2	11.2	8.0	9.6	8.0	9.6	8.0	9.6
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: P244979

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3315.4	3310.6	3312.3	3302.6	3302.6	3299.4	3301.1	3293.0	3289.8	3286.6	3291.4
5°	3363.5	3355.5	3349.1	3334.7	3326.6	3317.1	3312.3	3299.4	3288.2	3278.6	3277.0
7.5°	3402.0	3384.4	3373.2	3353.9	3339.5	3328.3	3312.3	3294.6	3280.2	3267.4	3257.8
10°	3418.0	3400.4	3382.8	3358.7	3342.7	3321.8	3305.8	3283.4	3264.2	3246.6	3235.3
12.5°	3419.6	3397.2	3381.1	3353.9	3333.0	3310.6	3293.0	3267.4	3244.9	3227.3	3209.7
15°	3405.2	3384.4	3365.1	3336.3	3315.4	3294.6	3273.8	3246.6	3225.7	3204.9	3192.1
17.5°	3373.2	3353.9	3331.5	3304.2	3285.0	3265.8	3243.3	3220.9	3196.8	3174.4	3158.4
20°	3331.5	3310.6	3291.4	3264.2	3248.2	3227.3	3206.5	3182.5	3163.2	3140.8	3123.2
22.5°	3269.0	3249.7	3232.1	3216.1	3190.4	3174.4	3160.0	3132.8	3113.5	3092.7	3073.5
25°	3179.2	3160.0	3145.6	3126.3	3115.1	3097.5	3083.1	3059.1	3041.4	3022.2	3006.2
27.5°	3031.8	3020.6	3012.6	3001.3	2991.8	2983.7	2975.8	2956.5	2943.7	2926.1	2910.1
30°	2810.7	2809.1	2804.3	2799.4	2805.8	2805.8	2805.8	2802.7	2791.5	2778.6	2767.4
32.5°	2527.0	2530.3	2536.7	2541.5	2554.3	2568.7	2581.5	2587.9	2587.9	2579.9	2575.1
35°	2188.9	2193.8	2203.4	2216.2	2232.2	2249.8	2278.6	2285.1	2289.9	2289.9	2283.5
37.5°	1838.0	1836.4	1846.0	1857.2	1866.9	1879.7	1900.5	1905.3	1913.3	1910.1	1903.7
40°	1496.6	1488.7	1485.4	1488.7	1499.9	1495.1	1499.9	1496.6	1496.6	1485.4	1485.4
42.5°	1181.0	1171.4	1164.9	1160.2	1160.2	1148.9	1140.9	1133.0	1128.1	1120.1	1118.5
45°	910.2	898.9	891.0	887.7	883.0	868.5	858.9	849.3	838.1	834.9	836.5
47.5°	706.7	695.5	692.2	684.2	676.2	668.2	661.8	650.6	649.0	642.6	649.0
50°	544.8	541.6	536.8	533.6	528.8	522.4	516.0	509.6	506.4	506.4	507.9
52.5°	423.1	424.6	419.8	415.0	411.8	411.8	403.8	402.2	402.2	395.8	402.2
55°	323.7	322.1	323.7	320.5	320.5	315.7	315.7	310.9	310.9	306.0	309.3
57.5°	237.2	240.4	237.2	238.8	242.0	237.2	235.5	230.7	234.0	230.7	232.4
60°	184.3	184.3	184.3	182.7	182.7	181.1	181.1	179.5	179.5	176.2	179.5
62.5°	136.2	137.8	137.8	137.8	139.4	137.8	136.2	137.8	136.2	136.2	137.8
65°	89.8	91.4	91.4	89.8	92.9	89.8	91.4	92.9	94.5	92.9	94.5
67.5°	60.9	60.9	62.5	64.1	62.5	64.1	65.7	64.1	65.7	68.9	65.7
70°	44.9	46.5	46.5	44.9	43.3	44.9	43.3	48.1	48.1	48.1	51.2
72.5°	28.8	28.8	27.2	27.2	27.2	27.2	27.2	32.1	28.8	27.2	30.5
75°	16.0	17.6	17.6	12.8	14.4	17.6	12.8	14.4	19.3	16.0	19.3
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	12.8	11.2	11.2	11.2	12.8
80°	8.0	6.4	6.4	4.8	6.4	6.4	6.4	9.6	8.0	8.0	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: P244979

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3278.6	3278.6	3277.0	3273.8	3267.4	3267.4	3265.8	3261.0	3257.8	3256.1	3256.1
5°	3262.5	3256.1	3249.7	3232.1	3232.1	3228.9	3219.3	3212.9	3209.7	3201.7	3198.5
7.5°	3248.2	3228.9	3217.7	3206.5	3192.1	3185.6	3174.4	3169.6	3158.4	3150.4	3145.6
10°	3212.9	3200.1	3185.6	3168.0	3156.8	3144.0	3131.2	3121.6	3107.1	3099.1	3092.7
12.5°	3188.9	3169.6	3156.8	3137.5	3118.4	3107.1	3089.5	3078.3	3063.9	3047.8	3038.2
15°	3166.4	3145.6	3128.0	3107.1	3086.3	3073.5	3052.7	3039.9	3019.0	3003.0	2991.8
17.5°	3132.8	3115.1	3095.9	3070.3	3051.1	3035.1	3012.6	2996.6	2977.3	2956.5	2945.3
20°	3097.5	3076.7	3057.5	3031.8	3012.6	2993.4	2970.9	2953.3	2930.8	2911.6	2898.8
22.5°	3051.1	3027.0	3011.0	2985.3	2962.9	2942.1	2921.3	2900.4	2879.6	2863.6	2849.1
25°	2983.7	2958.1	2940.5	2919.6	2898.8	2882.8	2857.2	2844.4	2823.5	2809.1	2794.6
27.5°	2887.6	2868.4	2852.3	2831.5	2813.9	2801.1	2781.8	2769.0	2751.4	2738.6	2727.4
30°	2746.6	2730.6	2716.1	2695.3	2682.5	2671.3	2653.6	2642.4	2629.6	2615.2	2612.0
32.5°	2557.5	2544.7	2530.3	2515.8	2506.2	2499.8	2485.4	2479.0	2466.2	2458.1	2450.1
35°	2272.2	2261.0	2253.1	2246.7	2243.4	2245.0	2241.8	2248.2	2251.4	2249.8	2251.4
37.5°	1898.9	1892.5	1895.7	1900.5	1916.5	1937.4	1956.6	1985.4	2004.7	2023.9	2041.5
40°	1482.3	1487.1	1499.9	1528.7	1570.4	1616.9	1660.2	1714.6	1769.1	1807.6	1842.8
42.5°	1118.5	1133.0	1164.9	1206.6	1269.2	1338.0	1405.4	1485.4	1551.2	1615.2	1660.2
45°	841.3	860.5	902.2	959.9	1028.7	1108.9	1193.8	1283.5	1362.1	1427.8	1477.5
47.5°	655.4	673.0	714.7	775.6	860.5	943.9	1032.0	1124.9	1206.6	1270.7	1314.0
50°	517.6	540.0	576.9	641.0	725.9	814.1	905.4	996.7	1073.7	1128.1	1166.6
52.5°	407.0	427.9	463.1	530.4	617.0	705.1	790.0	879.7	947.0	999.9	1025.6
55°	315.7	334.9	371.7	427.9	509.6	596.1	681.0	758.0	820.4	858.9	883.0
57.5°	240.4	254.8	280.5	336.5	410.3	490.3	562.5	639.4	687.5	714.7	730.7
60°	182.7	193.9	221.2	264.4	331.7	400.6	461.5	519.2	557.7	580.1	596.1
62.5°	137.8	150.6	169.8	206.7	258.0	314.1	365.3	408.6	440.7	455.1	466.3
65°	94.5	104.1	118.6	147.4	190.7	230.7	270.8	302.9	323.7	339.7	346.1
67.5°	70.5	76.9	85.0	107.4	137.8	169.8	197.1	219.5	242.0	248.4	259.6
70°	52.9	57.7	65.7	81.7	99.3	121.8	144.2	157.0	173.1	184.3	187.5
72.5°	33.6	35.2	43.3	52.9	67.3	81.7	96.2	107.4	117.0	123.4	126.6
75°	19.3	28.8	28.8	38.5	48.1	54.5	64.1	72.1	76.9	81.7	81.7
77.5°	12.8	17.6	19.3	24.0	28.8	36.9	44.9	49.7	54.5	56.1	56.1
80°	11.2	12.8	12.8	17.6	20.8	27.2	32.1	33.6	36.9	38.5	41.7
82.5°	4.8	6.4	8.0	12.8	14.4	14.4	19.3	20.8	24.0	25.7	25.7
85°	1.6	3.2	3.2	4.8	8.0	9.6	11.2	12.8	14.4	14.4	16.0
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: P244979

CATALOG NUMBER: LD8B50D010 ER8B50850 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8	3281.8
2.5°	3253.0	3254.6	3248.2	3246.6	3243.3	3244.9	3248.2
5°	3193.7	3195.3	3188.9	3182.5	3182.5	3180.8	3182.5
7.5°	3137.5	3139.2	3129.6	3126.3	3119.9	3121.6	3121.6
10°	3081.5	3081.5	3067.1	3065.5	3060.6	3059.1	3059.1
12.5°	3027.0	3022.2	3011.0	3004.6	3007.8	2998.2	2998.2
15°	2978.9	2970.9	2956.5	2951.7	2943.7	2940.5	2940.5
17.5°	2929.3	2922.9	2910.1	2900.4	2890.8	2889.2	2890.8
20°	2881.2	2874.8	2858.7	2852.3	2844.4	2844.4	2841.1
22.5°	2833.1	2826.7	2812.3	2807.5	2796.3	2796.3	2797.9
25°	2783.4	2778.6	2762.6	2759.4	2757.8	2751.4	2754.6
27.5°	2716.1	2712.9	2700.1	2695.3	2688.9	2687.3	2690.5
30°	2592.7	2587.9	2578.4	2573.5	2562.3	2563.9	2567.1
32.5°	2438.9	2432.5	2419.7	2414.8	2405.3	2402.1	2403.6
35°	2246.7	2241.8	2230.6	2230.6	2221.0	2217.8	2221.0
37.5°	2051.2	2055.9	2051.2	2055.9	2051.2	2049.5	2051.2
40°	1866.9	1884.5	1887.6	1905.3	1898.9	1908.5	1906.9
42.5°	1690.6	1719.4	1730.7	1745.0	1741.9	1748.3	1753.1
45°	1512.7	1536.8	1548.0	1557.6	1559.2	1562.4	1564.0
47.5°	1344.4	1363.7	1365.3	1376.5	1374.9	1374.9	1379.7
50°	1187.4	1200.2	1203.4	1211.4	1205.0	1201.8	1203.4
52.5°	1041.6	1054.4	1051.2	1054.4	1046.4	1043.2	1044.8
55°	892.5	898.9	898.9	898.9	889.4	889.4	889.4
57.5°	740.3	742.0	738.7	740.3	738.7	729.1	727.5
60°	600.9	600.9	599.3	600.9	596.1	591.3	591.3
62.5°	469.5	472.7	479.1	472.7	469.5	472.7	467.9
65°	351.0	357.4	355.7	358.9	357.4	357.4	354.1
67.5°	264.4	266.0	267.6	269.2	269.2	269.2	269.2
70°	193.9	198.7	197.1	197.1	197.1	197.1	206.7
72.5°	129.8	136.2	134.6	137.8	137.8	141.0	137.8
75°	88.1	94.5	91.4	96.2	94.5	91.4	99.3
77.5°	59.3	62.5	64.1	65.7	64.1	62.5	64.1
80°	41.7	44.9	43.3	44.9	44.9	44.9	46.5
82.5°	25.7	30.5	28.8	30.5	28.8	30.5	30.5
85°	17.6	19.3	16.0	19.3	17.6	17.6	20.8
87.5°	11.2	9.6	9.6	11.2	9.6	11.2	9.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)