

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: P248966

Luminaire Tested: **LD8B70D010 ER8B709730 8LBSW0B**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248966  
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 8LBSW0B  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH SPECULAR BLACK TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4238.0 lumens  
Efficiency: N/A  
Efficacy: 55.8 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

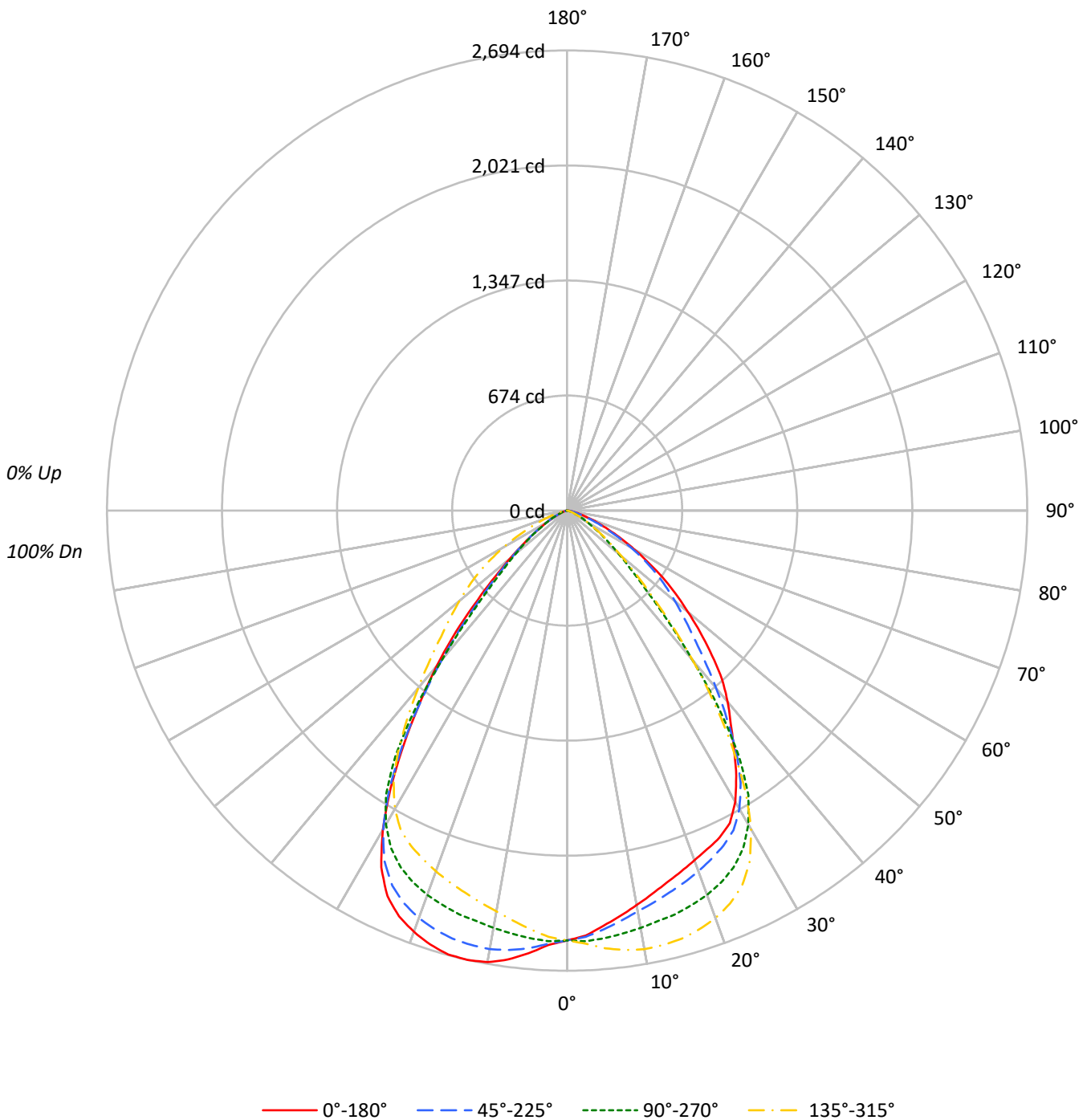
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	239.5	5.7
10°-20°	693.5	16.4
20°-30°	1050.1	24.8
30°-40°	1052.4	24.8
40°-50°	660.9	15.6
50°-60°	352.2	8.3
60°-70°	144.8	3.4
70°-80°	38.3	0.9
80°-90°	6.5	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°	1983.0	46.8
0°-40°	3035.4	71.6
0°-60°	4048.5	95.5
0°-90°	4238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4238.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2516	2516	2516	2516	2516	
5°	2440	2512	2602	2512	2440	230
15°	2254	2447	2690	2447	2254	638
25°	2112	2305	2490	2305	2112	969
35°	1703	1751	1661	1751	1703	1067
45°	1199	641	742	641	1199	922
55°	682	237	251	237	682	608
65°	272	72	66	72	272	282
75°	76	15	12	15	76	86
85°	16	0	1	0	16	18
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°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2490.2	2487.7	2486.5	2489.0	2490.2	2495.1	2493.9	2496.3	2496.3	2497.6	2500.0
5°	2439.8	2438.5	2439.8	2439.8	2444.7	2449.6	2448.4	2452.1	2454.5	2460.7	2463.1
7.5°	2393.1	2393.1	2391.9	2396.8	2399.3	2406.6	2405.4	2411.5	2415.2	2421.4	2430.0
10°	2345.2	2345.2	2346.4	2350.1	2351.4	2362.4	2362.4	2371.0	2375.9	2382.1	2393.1
12.5°	2298.5	2298.5	2305.9	2303.4	2308.3	2316.9	2320.6	2329.2	2336.6	2348.9	2360.0
15°	2254.3	2254.3	2256.8	2262.9	2266.6	2277.6	2283.8	2293.6	2302.2	2314.5	2330.5
17.5°	2216.2	2215.0	2216.2	2223.6	2231.0	2240.8	2245.7	2258.0	2266.6	2282.6	2297.3
20°	2178.1	2180.6	2180.6	2186.7	2191.6	2203.9	2208.8	2222.4	2232.2	2246.9	2264.1
22.5°	2145.0	2143.7	2143.7	2152.3	2156.0	2167.1	2172.0	2184.3	2195.3	2207.6	2223.6
25°	2111.8	2109.3	2114.3	2115.5	2117.9	2130.2	2133.9	2142.5	2153.6	2164.6	2180.6
27.5°	2062.6	2060.2	2061.4	2066.3	2070.0	2079.8	2082.3	2090.9	2099.5	2109.3	2122.9
30°	1968.0	1965.6	1964.4	1973.0	1976.7	1984.0	1987.7	2002.5	2004.9	2016.0	2025.8
32.5°	1842.7	1841.5	1844.0	1851.3	1855.0	1864.9	1869.8	1878.4	1884.5	1890.7	1900.5
35°	1702.7	1700.2	1702.7	1710.1	1710.1	1718.7	1722.4	1726.0	1724.8	1726.0	1723.6
37.5°	1572.5	1571.2	1572.5	1576.1	1572.5	1576.1	1572.5	1565.1	1551.6	1536.9	1522.1
40°	1461.9	1463.1	1455.8	1460.7	1447.2	1444.7	1431.2	1412.8	1385.8	1356.3	1314.5
42.5°	1344.0	1340.3	1335.4	1337.8	1326.8	1318.2	1296.1	1272.7	1238.3	1189.2	1138.8
45°	1199.0	1197.8	1195.3	1194.1	1186.7	1178.1	1159.7	1132.7	1094.6	1044.2	984.0
47.5°	1057.7	1054.1	1054.1	1055.3	1046.7	1045.5	1030.7	1007.4	974.2	925.1	862.4
50°	922.6	921.4	923.8	928.7	922.6	920.2	910.3	894.4	864.9	823.1	764.1
52.5°	801.0	799.8	802.2	808.3	805.9	808.3	798.5	786.3	766.6	726.0	674.5
55°	681.8	681.8	681.8	689.2	689.2	689.2	684.3	676.9	658.5	629.0	581.1
57.5°	557.7	559.0	566.3	567.6	566.3	568.8	567.6	560.2	547.9	527.1	490.2
60°	453.3	453.3	457.0	460.7	459.4	460.7	460.7	457.0	444.7	427.5	398.1
62.5°	358.7	362.4	359.9	362.4	367.3	362.4	359.9	357.5	348.9	337.8	313.3
65°	271.5	274.0	274.0	275.2	272.7	274.0	269.1	265.4	260.5	248.2	232.2
67.5°	206.4	206.4	206.4	206.4	205.1	203.9	202.7	199.0	190.4	185.5	168.3
70°	158.5	151.1	151.1	151.1	151.1	152.4	148.7	143.8	141.3	132.7	120.4
72.5°	105.6	108.1	105.6	105.6	103.2	104.4	99.5	97.0	94.6	89.7	82.3
75°	76.2	70.0	72.5	73.7	70.0	72.5	67.6	62.7	62.7	59.0	55.3
77.5°	49.2	47.9	49.2	50.4	49.2	47.9	45.5	43.0	43.0	41.8	38.1
80°	35.6	34.4	34.4	34.4	33.2	34.4	32.0	32.0	29.5	28.3	25.8
82.5°	23.4	23.4	22.1	23.4	22.1	23.4	19.7	19.7	19.7	18.4	16.0
85°	16.0	13.5	13.5	14.8	12.3	14.8	13.5	12.3	11.1	11.1	9.8
87.5°	7.4	8.6	7.4	8.6	7.4	7.4	8.6	7.4	7.4	4.9	4.9
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°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2503.7	2504.9	2504.9	2509.8	2512.3	2513.5	2513.5	2523.3	2519.7	2522.1	2524.6
5°	2468.1	2475.4	2477.9	2477.9	2491.4	2496.3	2501.2	2512.3	2513.5	2520.9	2529.5
7.5°	2433.6	2442.2	2447.2	2458.2	2466.8	2475.4	2490.2	2497.6	2504.9	2514.8	2525.8
10°	2400.5	2410.3	2420.1	2428.7	2442.2	2453.3	2463.1	2480.3	2489.0	2502.5	2517.2
12.5°	2368.6	2382.1	2390.7	2405.4	2420.1	2430.0	2444.7	2460.7	2474.2	2487.7	2504.9
15°	2340.3	2356.3	2366.1	2382.1	2398.0	2411.5	2427.5	2447.2	2457.0	2473.0	2489.0
17.5°	2309.6	2326.8	2339.1	2353.8	2373.5	2388.2	2401.7	2421.4	2433.6	2450.8	2469.3
20°	2277.6	2294.8	2309.6	2324.3	2344.0	2358.7	2374.7	2394.4	2407.9	2425.0	2439.8
22.5°	2239.6	2255.6	2271.5	2288.7	2308.3	2320.6	2339.1	2356.3	2371.0	2387.0	2401.7
25°	2190.4	2210.1	2222.4	2238.3	2254.3	2267.8	2287.5	2304.7	2316.9	2331.7	2345.2
27.5°	2132.7	2147.4	2157.3	2170.8	2186.7	2199.0	2213.7	2231.0	2243.3	2256.8	2266.6
30°	2034.4	2047.9	2056.5	2066.3	2082.3	2093.4	2105.7	2121.6	2130.2	2140.1	2148.7
32.5°	1905.4	1916.5	1921.4	1928.7	1939.8	1950.8	1960.7	1974.2	1977.9	1984.0	1984.0
35°	1718.7	1721.1	1719.9	1722.4	1727.3	1733.4	1742.0	1750.6	1755.5	1755.5	1751.9
37.5°	1500.0	1485.3	1469.3	1457.0	1453.3	1450.8	1455.8	1459.4	1464.4	1466.8	1460.7
40°	1272.7	1239.6	1203.9	1172.0	1149.9	1140.1	1136.4	1138.8	1138.8	1147.4	1147.4
42.5°	1077.4	1025.8	973.0	925.1	893.1	868.6	857.5	857.5	858.7	864.9	868.6
45°	915.2	850.1	788.7	735.9	691.6	659.7	645.0	641.3	640.1	642.5	651.1
47.5°	791.2	723.6	659.7	594.6	547.9	516.0	502.5	497.5	492.6	497.5	498.8
50°	694.1	624.1	556.5	491.4	442.3	414.0	396.8	389.4	388.2	388.2	390.7
52.5°	605.6	540.6	473.0	406.7	355.0	328.0	312.0	308.4	303.4	308.4	308.4
55°	522.1	457.0	390.7	328.0	285.0	256.8	242.0	237.1	234.6	238.3	238.3
57.5°	431.2	375.9	314.5	258.0	215.0	195.3	184.3	178.1	176.9	179.4	176.9
60°	353.8	307.1	254.3	202.7	169.5	148.7	140.1	137.6	135.1	137.6	137.6
62.5°	280.1	240.8	197.8	158.5	130.2	115.5	105.6	105.6	104.4	104.4	105.6
65°	207.6	176.9	146.2	113.0	90.9	79.8	72.5	72.5	71.2	72.5	71.2
67.5°	151.1	130.2	105.6	82.3	65.1	59.0	54.1	50.4	52.8	50.4	49.2
70°	110.6	93.3	76.2	62.7	50.4	44.2	40.6	39.3	36.9	36.9	36.9
72.5°	73.7	62.7	51.6	40.6	33.2	27.0	25.8	23.4	20.9	22.1	24.6
75°	49.2	41.8	36.9	29.5	22.1	22.1	14.8	14.8	12.3	14.8	11.1
77.5°	34.4	28.3	22.1	18.4	14.8	13.5	9.8	9.8	8.6	8.6	8.6
80°	24.6	20.9	16.0	13.5	9.8	9.8	8.6	7.4	6.1	6.1	7.4
82.5°	14.8	11.1	11.1	9.8	6.1	4.9	3.7	4.9	2.5	2.5	2.5
85°	8.6	7.4	6.1	3.7	2.5	2.5	1.2	0.0	1.2	1.2	0.0
87.5°	4.9	2.5	2.5	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.5
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°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2530.7	2529.5	2531.9	2531.9	2539.3	2538.1	2541.8	2541.8	2539.3	2540.5	2545.4
5°	2539.3	2543.0	2550.4	2556.5	2567.5	2572.5	2578.6	2584.8	2586.0	2589.7	2593.4
7.5°	2539.3	2551.6	2560.2	2571.2	2586.0	2594.6	2608.1	2619.2	2624.1	2630.2	2637.6
10°	2534.4	2546.7	2562.6	2574.9	2593.4	2606.9	2620.4	2637.6	2645.0	2654.8	2664.6
12.5°	2524.6	2538.1	2555.3	2571.2	2592.1	2604.4	2621.6	2637.6	2648.7	2662.2	2673.2
15°	2509.8	2525.8	2541.8	2557.7	2579.8	2594.6	2610.6	2629.0	2640.1	2654.8	2664.6
17.5°	2486.5	2503.7	2518.4	2533.2	2554.0	2571.2	2586.0	2603.2	2614.3	2626.6	2640.1
20°	2458.2	2474.2	2490.2	2502.5	2523.3	2538.1	2554.0	2570.0	2578.6	2581.1	2602.0
22.5°	2422.6	2433.6	2445.9	2465.6	2477.9	2491.4	2506.2	2520.9	2529.5	2543.0	2550.4
25°	2363.6	2374.7	2388.2	2396.8	2411.5	2422.6	2437.3	2453.3	2458.2	2468.1	2475.4
27.5°	2281.3	2287.5	2293.6	2301.0	2309.6	2315.7	2324.3	2331.7	2336.6	2341.5	2346.4
30°	2151.1	2151.1	2151.1	2146.2	2149.9	2153.6	2154.8	2153.6	2153.6	2152.3	2152.3
32.5°	1979.1	1969.3	1958.2	1948.4	1944.7	1939.8	1937.3	1933.6	1927.5	1923.8	1925.1
35°	1746.9	1724.8	1711.3	1699.0	1689.2	1681.8	1678.1	1674.4	1673.2	1668.3	1663.4
37.5°	1457.0	1441.0	1431.2	1423.8	1415.2	1407.9	1409.1	1410.3	1414.0	1411.6	1412.8
40°	1149.9	1146.2	1149.9	1141.3	1138.8	1141.3	1147.4	1156.0	1160.9	1165.9	1174.4
42.5°	874.7	880.8	889.5	889.5	893.1	898.1	905.4	918.9	926.3	934.9	944.7
45°	658.5	665.9	676.9	680.6	683.0	689.2	697.8	708.8	713.7	721.1	729.7
47.5°	507.4	512.3	518.4	524.6	530.7	533.2	541.8	541.8	547.9	552.8	555.3
50°	395.6	400.5	405.4	409.1	411.6	415.2	417.7	421.4	422.6	425.1	426.3
52.5°	309.6	315.7	315.7	318.2	321.9	325.5	324.3	325.5	326.8	326.8	330.4
55°	242.0	242.0	245.7	245.7	248.2	246.9	248.2	248.2	248.2	248.2	249.4
57.5°	180.6	181.8	185.5	183.0	181.8	184.3	181.8	184.3	183.0	185.5	181.8
60°	138.8	138.8	140.1	140.1	141.3	141.3	141.3	140.1	140.1	138.8	138.8
62.5°	104.4	105.6	106.9	105.6	105.6	105.6	104.4	104.4	103.2	101.9	101.9
65°	70.0	68.8	71.2	68.8	70.0	70.0	68.8	70.0	66.3	67.6	66.3
67.5°	50.4	49.2	47.9	49.2	47.9	46.7	46.7	47.9	49.2	45.5	45.5
70°	33.2	34.4	33.2	34.4	35.6	35.6	34.4	33.2	34.4	32.0	33.2
72.5°	20.9	20.9	20.9	20.9	20.9	22.1	22.1	22.1	19.7	19.7	18.4
75°	9.8	13.5	11.1	9.8	13.5	13.5	12.3	12.3	11.1	11.1	11.1
77.5°	9.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.1	7.4	6.1
80°	4.9	4.9	4.9	3.7	4.9	4.9	6.1	4.9	4.9	3.7	6.1
82.5°	2.5	2.5	2.5	0.0	1.2	2.5	2.5	1.2	2.5	2.5	1.2
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: P248966

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2544.2	2543.0	2544.2	2545.4	2544.2	2543.0	2544.2	2545.4	2540.5	2539.3	2541.8
5°	2598.3	2598.3	2600.7	2602.0	2600.7	2598.3	2598.3	2593.4	2589.7	2586.0	2584.8
7.5°	2645.0	2647.4	2649.9	2651.1	2649.9	2647.4	2645.0	2637.6	2630.2	2624.1	2619.2
10°	2673.2	2676.9	2681.8	2684.3	2681.8	2676.9	2673.2	2664.6	2654.8	2645.0	2637.6
12.5°	2685.5	2689.2	2695.3	2694.1	2695.3	2689.2	2685.5	2673.2	2662.2	2648.7	2637.6
15°	2676.9	2681.8	2687.9	2690.4	2687.9	2681.8	2676.9	2664.6	2654.8	2640.1	2629.0
17.5°	2649.9	2657.2	2660.9	2664.6	2660.9	2657.2	2649.9	2640.1	2626.6	2614.3	2603.2
20°	2613.0	2618.0	2622.9	2624.1	2622.9	2618.0	2613.0	2602.0	2581.1	2578.6	2570.0
22.5°	2560.2	2563.9	2574.9	2571.2	2574.9	2563.9	2560.2	2550.4	2543.0	2529.5	2520.9
25°	2484.0	2487.7	2489.0	2490.2	2489.0	2487.7	2484.0	2475.4	2468.1	2458.2	2453.3
27.5°	2352.6	2352.6	2355.0	2356.3	2355.0	2352.6	2352.6	2346.4	2341.5	2336.6	2331.7
30°	2153.6	2153.6	2153.6	2159.7	2153.6	2153.6	2153.6	2152.3	2152.3	2153.6	2153.6
32.5°	1923.8	1921.4	1918.9	1921.4	1918.9	1921.4	1923.8	1925.1	1923.8	1927.5	1933.6
35°	1663.4	1662.2	1665.8	1660.9	1665.8	1662.2	1663.4	1663.4	1668.3	1673.2	1674.4
37.5°	1414.0	1411.6	1416.5	1411.6	1416.5	1411.6	1414.0	1412.8	1411.6	1414.0	1410.3
40°	1176.9	1179.4	1179.4	1189.2	1179.4	1179.4	1176.9	1174.4	1165.9	1160.9	1156.0
42.5°	949.6	957.0	954.5	961.9	954.5	957.0	949.6	944.7	934.9	926.3	918.9
45°	734.6	739.6	739.6	742.0	739.6	739.6	734.6	729.7	721.1	713.7	708.8
47.5°	563.9	563.9	563.9	565.1	563.9	563.9	563.9	555.3	552.8	547.9	541.8
50°	428.7	430.0	431.2	432.4	431.2	430.0	428.7	426.3	425.1	422.6	421.4
52.5°	329.2	330.4	328.0	330.4	328.0	330.4	329.2	330.4	326.8	326.8	325.5
55°	249.4	248.2	249.4	250.6	249.4	248.2	249.4	249.4	248.2	248.2	248.2
57.5°	183.0	180.6	180.6	180.6	180.6	180.6	183.0	181.8	185.5	183.0	184.3
60°	136.4	137.6	137.6	138.8	137.6	137.6	136.4	138.8	138.8	140.1	140.1
62.5°	100.7	104.4	101.9	104.4	101.9	104.4	100.7	101.9	101.9	103.2	104.4
65°	65.1	65.1	65.1	66.3	65.1	65.1	65.1	66.3	67.6	66.3	70.0
67.5°	44.2	45.5	47.9	46.7	47.9	45.5	44.2	45.5	45.5	49.2	47.9
70°	35.6	32.0	32.0	35.6	32.0	32.0	35.6	33.2	32.0	34.4	33.2
72.5°	20.9	18.4	20.9	20.9	20.9	18.4	20.9	18.4	19.7	19.7	22.1
75°	11.1	9.8	8.6	12.3	8.6	9.8	11.1	11.1	11.1	11.1	12.3
77.5°	7.4	6.1	8.6	8.6	8.6	6.1	7.4	6.1	7.4	6.1	7.4
80°	3.7	4.9	3.7	6.1	3.7	4.9	3.7	6.1	3.7	4.9	4.9
82.5°	1.2	2.5	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	1.2
85°	0.0	2.5	1.2	1.2	1.2	2.5	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	0.0	0.0	1.2	0.0	0.0	1.2	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: P248966

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2541.8	2538.1	2539.3	2531.9	2531.9	2529.5	2530.7	2524.6	2522.1	2519.7	2523.3
5°	2578.6	2572.5	2567.5	2556.5	2550.4	2543.0	2539.3	2529.5	2520.9	2513.5	2512.3
7.5°	2608.1	2594.6	2586.0	2571.2	2560.2	2551.6	2539.3	2525.8	2514.8	2504.9	2497.6
10°	2620.4	2606.9	2593.4	2574.9	2562.6	2546.7	2534.4	2517.2	2502.5	2489.0	2480.3
12.5°	2621.6	2604.4	2592.1	2571.2	2555.3	2538.1	2524.6	2504.9	2487.7	2474.2	2460.7
15°	2610.6	2594.6	2579.8	2557.7	2541.8	2525.8	2509.8	2489.0	2473.0	2457.0	2447.2
17.5°	2586.0	2571.2	2554.0	2533.2	2518.4	2503.7	2486.5	2469.3	2450.8	2433.6	2421.4
20°	2554.0	2538.1	2523.3	2502.5	2490.2	2474.2	2458.2	2439.8	2425.0	2407.9	2394.4
22.5°	2506.2	2491.4	2477.9	2465.6	2445.9	2433.6	2422.6	2401.7	2387.0	2371.0	2356.3
25°	2437.3	2422.6	2411.5	2396.8	2388.2	2374.7	2363.6	2345.2	2331.7	2316.9	2304.7
27.5°	2324.3	2315.7	2309.6	2301.0	2293.6	2287.5	2281.3	2266.6	2256.8	2243.3	2231.0
30°	2154.8	2153.6	2149.9	2146.2	2151.1	2151.1	2151.1	2148.7	2140.1	2130.2	2121.6
32.5°	1937.3	1939.8	1944.7	1948.4	1958.2	1969.3	1979.1	1984.0	1984.0	1977.9	1974.2
35°	1678.1	1681.8	1689.2	1699.0	1711.3	1724.8	1746.9	1751.9	1755.5	1755.5	1750.6
37.5°	1409.1	1407.9	1415.2	1423.8	1431.2	1441.0	1457.0	1460.7	1466.8	1464.4	1459.4
40°	1147.4	1141.3	1138.8	1141.3	1149.9	1146.2	1149.9	1147.4	1147.4	1138.8	1138.8
42.5°	905.4	898.1	893.1	889.5	889.5	880.8	874.7	868.6	864.9	858.7	857.5
45°	697.8	689.2	683.0	680.6	676.9	665.9	658.5	651.1	642.5	640.1	641.3
47.5°	541.8	533.2	530.7	524.6	518.4	512.3	507.4	498.8	497.5	492.6	497.5
50°	417.7	415.2	411.6	409.1	405.4	400.5	395.6	390.7	388.2	388.2	389.4
52.5°	324.3	325.5	321.9	318.2	315.7	315.7	309.6	308.4	308.4	303.4	308.4
55°	248.2	246.9	248.2	245.7	245.7	242.0	242.0	238.3	238.3	234.6	237.1
57.5°	181.8	184.3	181.8	183.0	185.5	181.8	180.6	176.9	179.4	176.9	178.1
60°	141.3	141.3	141.3	140.1	140.1	138.8	138.8	137.6	137.6	135.1	137.6
62.5°	104.4	105.6	105.6	105.6	106.9	105.6	104.4	105.6	104.4	104.4	105.6
65°	68.8	70.0	70.0	68.8	71.2	68.8	70.0	71.2	72.5	71.2	72.5
67.5°	46.7	46.7	47.9	49.2	47.9	49.2	50.4	49.2	50.4	52.8	50.4
70°	34.4	35.6	35.6	34.4	33.2	34.4	33.2	36.9	36.9	36.9	39.3
72.5°	22.1	22.1	20.9	20.9	20.9	20.9	20.9	24.6	22.1	20.9	23.4
75°	12.3	13.5	13.5	9.8	11.1	13.5	9.8	11.1	14.8	12.3	14.8
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	9.8	8.6	8.6	8.6	9.8
80°	6.1	4.9	4.9	3.7	4.9	4.9	4.9	7.4	6.1	6.1	7.4
82.5°	2.5	2.5	1.2	0.0	2.5	2.5	2.5	2.5	2.5	2.5	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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: P248966

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2513.5	2513.5	2512.3	2509.8	2504.9	2504.9	2503.7	2500.0	2497.6	2496.3	2496.3
5°	2501.2	2496.3	2491.4	2477.9	2477.9	2475.4	2468.1	2463.1	2460.7	2454.5	2452.1
7.5°	2490.2	2475.4	2466.8	2458.2	2447.2	2442.2	2433.6	2430.0	2421.4	2415.2	2411.5
10°	2463.1	2453.3	2442.2	2428.7	2420.1	2410.3	2400.5	2393.1	2382.1	2375.9	2371.0
12.5°	2444.7	2430.0	2420.1	2405.4	2390.7	2382.1	2368.6	2360.0	2348.9	2336.6	2329.2
15°	2427.5	2411.5	2398.0	2382.1	2366.1	2356.3	2340.3	2330.5	2314.5	2302.2	2293.6
17.5°	2401.7	2388.2	2373.5	2353.8	2339.1	2326.8	2309.6	2297.3	2282.6	2266.6	2258.0
20°	2374.7	2358.7	2344.0	2324.3	2309.6	2294.8	2277.6	2264.1	2246.9	2232.2	2222.4
22.5°	2339.1	2320.6	2308.3	2288.7	2271.5	2255.6	2239.6	2223.6	2207.6	2195.3	2184.3
25°	2287.5	2267.8	2254.3	2238.3	2222.4	2210.1	2190.4	2180.6	2164.6	2153.6	2142.5
27.5°	2213.7	2199.0	2186.7	2170.8	2157.3	2147.4	2132.7	2122.9	2109.3	2099.5	2090.9
30°	2105.7	2093.4	2082.3	2066.3	2056.5	2047.9	2034.4	2025.8	2016.0	2004.9	2002.5
32.5°	1960.7	1950.8	1939.8	1928.7	1921.4	1916.5	1905.4	1900.5	1890.7	1884.5	1878.4
35°	1742.0	1733.4	1727.3	1722.4	1719.9	1721.1	1718.7	1723.6	1726.0	1724.8	1726.0
37.5°	1455.8	1450.8	1453.3	1457.0	1469.3	1485.3	1500.0	1522.1	1536.9	1551.6	1565.1
40°	1136.4	1140.1	1149.9	1172.0	1203.9	1239.6	1272.7	1314.5	1356.3	1385.8	1412.8
42.5°	857.5	868.6	893.1	925.1	973.0	1025.8	1077.4	1138.8	1189.2	1238.3	1272.7
45°	645.0	659.7	691.6	735.9	788.7	850.1	915.2	984.0	1044.2	1094.6	1132.7
47.5°	502.5	516.0	547.9	594.6	659.7	723.6	791.2	862.4	925.1	974.2	1007.4
50°	396.8	414.0	442.3	491.4	556.5	624.1	694.1	764.1	823.1	864.9	894.4
52.5°	312.0	328.0	355.0	406.7	473.0	540.6	605.6	674.5	726.0	766.6	786.3
55°	242.0	256.8	285.0	328.0	390.7	457.0	522.1	581.1	629.0	658.5	676.9
57.5°	184.3	195.3	215.0	258.0	314.5	375.9	431.2	490.2	527.1	547.9	560.2
60°	140.1	148.7	169.5	202.7	254.3	307.1	353.8	398.1	427.5	444.7	457.0
62.5°	105.6	115.5	130.2	158.5	197.8	240.8	280.1	313.3	337.8	348.9	357.5
65°	72.5	79.8	90.9	113.0	146.2	176.9	207.6	232.2	248.2	260.5	265.4
67.5°	54.1	59.0	65.1	82.3	105.6	130.2	151.1	168.3	185.5	190.4	199.0
70°	40.6	44.2	50.4	62.7	76.2	93.3	110.6	120.4	132.7	141.3	143.8
72.5°	25.8	27.0	33.2	40.6	51.6	62.7	73.7	82.3	89.7	94.6	97.0
75°	14.8	22.1	22.1	29.5	36.9	41.8	49.2	55.3	59.0	62.7	62.7
77.5°	9.8	13.5	14.8	18.4	22.1	28.3	34.4	38.1	41.8	43.0	43.0
80°	8.6	9.8	9.8	13.5	16.0	20.9	24.6	25.8	28.3	29.5	32.0
82.5°	3.7	4.9	6.1	9.8	11.1	11.1	14.8	16.0	18.4	19.7	19.7
85°	1.2	2.5	2.5	3.7	6.1	7.4	8.6	9.8	11.1	11.1	12.3
87.5°	1.2	1.2	0.0	1.2	2.5	2.5	4.9	4.9	4.9	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: P248966

CATALOG NUMBER: LD8B70D010 ER8B709730 8LBSW0B

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0	2516.0
2.5°	2493.9	2495.1	2490.2	2489.0	2486.5	2487.7	2490.2
5°	2448.4	2449.6	2444.7	2439.8	2439.8	2438.5	2439.8
7.5°	2405.4	2406.6	2399.3	2396.8	2391.9	2393.1	2393.1
10°	2362.4	2362.4	2351.4	2350.1	2346.4	2345.2	2345.2
12.5°	2320.6	2316.9	2308.3	2303.4	2305.9	2298.5	2298.5
15°	2283.8	2277.6	2266.6	2262.9	2256.8	2254.3	2254.3
17.5°	2245.7	2240.8	2231.0	2223.6	2216.2	2215.0	2216.2
20°	2208.8	2203.9	2191.6	2186.7	2180.6	2180.6	2178.1
22.5°	2172.0	2167.1	2156.0	2152.3	2143.7	2143.7	2145.0
25°	2133.9	2130.2	2117.9	2115.5	2114.3	2109.3	2111.8
27.5°	2082.3	2079.8	2070.0	2066.3	2061.4	2060.2	2062.6
30°	1987.7	1984.0	1976.7	1973.0	1964.4	1965.6	1968.0
32.5°	1869.8	1864.9	1855.0	1851.3	1844.0	1841.5	1842.7
35°	1722.4	1718.7	1710.1	1710.1	1702.7	1700.2	1702.7
37.5°	1572.5	1576.1	1572.5	1576.1	1572.5	1571.2	1572.5
40°	1431.2	1444.7	1447.2	1460.7	1455.8	1463.1	1461.9
42.5°	1296.1	1318.2	1326.8	1337.8	1335.4	1340.3	1344.0
45°	1159.7	1178.1	1186.7	1194.1	1195.3	1197.8	1199.0
47.5°	1030.7	1045.5	1046.7	1055.3	1054.1	1054.1	1057.7
50°	910.3	920.2	922.6	928.7	923.8	921.4	922.6
52.5°	798.5	808.3	805.9	808.3	802.2	799.8	801.0
55°	684.3	689.2	689.2	689.2	681.8	681.8	681.8
57.5°	567.6	568.8	566.3	567.6	566.3	559.0	557.7
60°	460.7	460.7	459.4	460.7	457.0	453.3	453.3
62.5°	359.9	362.4	367.3	362.4	359.9	362.4	358.7
65°	269.1	274.0	272.7	275.2	274.0	274.0	271.5
67.5°	202.7	203.9	205.1	206.4	206.4	206.4	206.4
70°	148.7	152.4	151.1	151.1	151.1	151.1	158.5
72.5°	99.5	104.4	103.2	105.6	105.6	108.1	105.6
75°	67.6	72.5	70.0	73.7	72.5	70.0	76.2
77.5°	45.5	47.9	49.2	50.4	49.2	47.9	49.2
80°	32.0	34.4	33.2	34.4	34.4	34.4	35.6
82.5°	19.7	23.4	22.1	23.4	22.1	23.4	23.4
85°	13.5	14.8	12.3	14.8	13.5	13.5	16.0
87.5°	8.6	7.4	7.4	8.6	7.4	8.6	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)