

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: P245962

Luminaire Tested: **LD8B40D010 ER8B40827 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P245962  
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: LD8B40D010 ER8B40827 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4085.0 lumens  
Efficiency: N/A  
Efficacy: 99.9 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

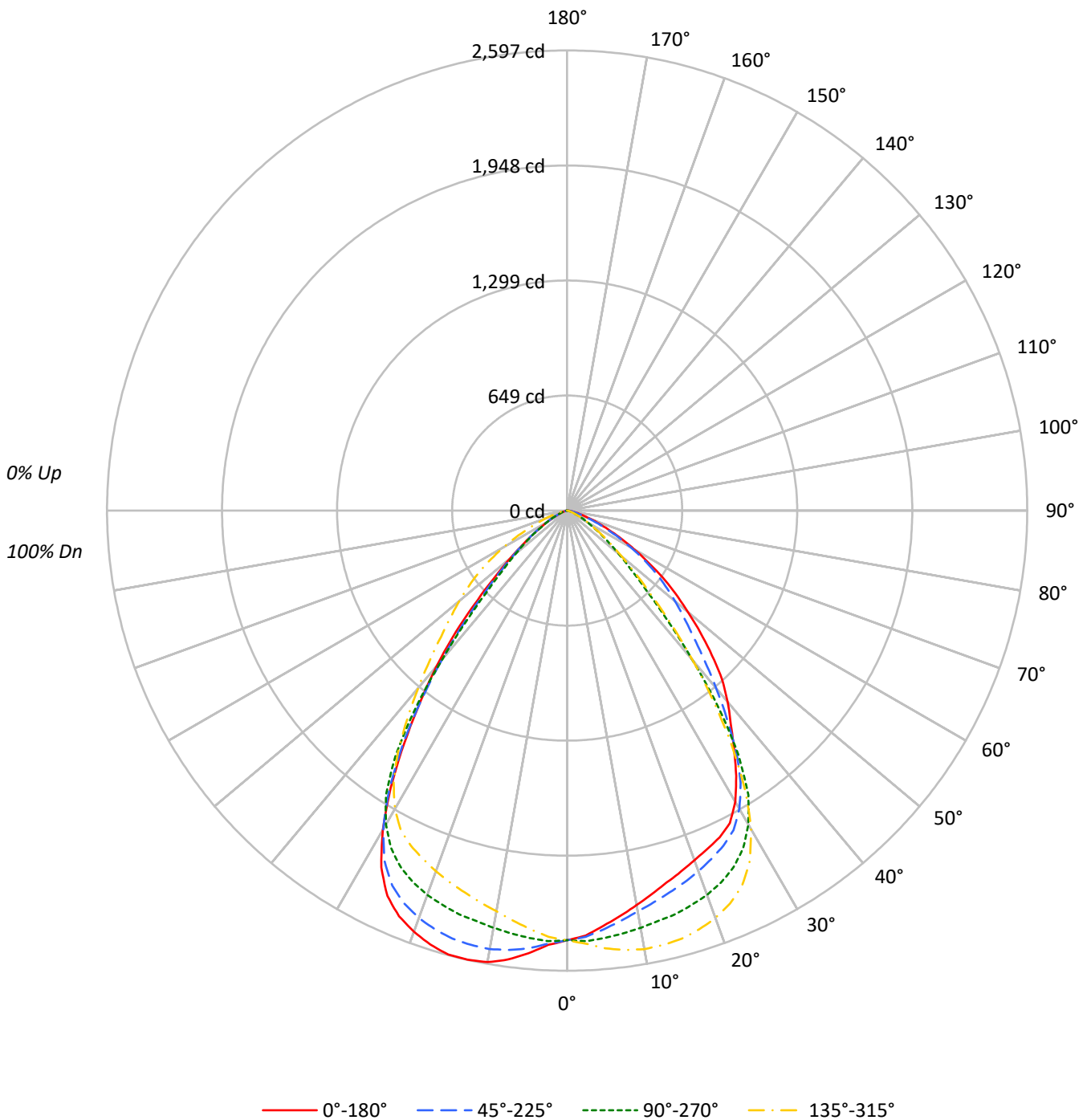
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	74781	74781	74781	74781
5°	72795	74958	77633	74958
10°	70781	74861	81014	74861
15°	69368	75303	82789	75303
20°	68896	75734	83000	75734
25°	69259	75581	81668	75581
30°	67546	72816	74126	72816
35°	61782	63521	60268	63521
40°	56722	44187	46143	44187
45°	50399	26955	31189	26955
50°	42662	18009	19995	18009
55°	35332	12284	12989	12284
60°	26951	8178	8252	8178
65°	19095	5093	4662	5093
70°	13776	3417	3101	3417
75°	8745	1692	1406	1692
80°	6109	1261	1048	1261
85°	5449	0	425	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.8	5.7
10°-20°	668.4	16.4
20°-30°	1012.1	24.8
30°-40°	1014.4	24.8
40°-50°	637.0	15.6
50°-60°	339.5	8.3
60°-70°	139.6	3.4
70°-80°	36.9	0.9
80°-90°	6.2	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°	1911.4	46.8
0°-40°	2925.8	71.6
0°-60°	3902.3	95.5
0°-90°	4085.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4085.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2425	2425	2425	2425	2425	
5°	2352	2422	2508	2422	2352	222
15°	2173	2359	2593	2359	2173	615
25°	2036	2221	2400	2221	2036	934
35°	1641	1687	1601	1687	1641	1028
45°	1156	618	715	618	1156	889
55°	657	228	242	228	657	586
65°	262	70	64	70	262	271
75°	73	14	12	14	73	83
85°	15	0	1	0	15	17
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°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2400.3	2397.9	2396.7	2399.1	2400.3	2405.0	2403.8	2406.2	2406.2	2407.4	2409.7
5°	2351.7	2350.5	2351.7	2351.7	2356.5	2361.2	2360.0	2363.6	2365.9	2371.9	2374.2
7.5°	2306.7	2306.7	2305.5	2310.3	2312.6	2319.8	2318.5	2324.5	2328.0	2333.9	2342.2
10°	2260.5	2260.5	2261.7	2265.3	2266.5	2277.1	2277.1	2285.4	2290.1	2296.1	2306.7
12.5°	2215.6	2215.6	2222.7	2220.3	2225.0	2233.3	2236.9	2245.1	2252.3	2264.1	2274.8
15°	2172.9	2172.9	2175.3	2181.2	2184.7	2195.4	2201.3	2210.8	2219.1	2231.0	2246.4
17.5°	2136.2	2135.0	2136.2	2143.3	2150.4	2159.9	2164.6	2176.5	2184.7	2200.1	2214.4
20°	2099.5	2101.9	2101.9	2107.8	2112.5	2124.4	2129.1	2142.1	2151.6	2165.8	2182.4
22.5°	2067.5	2066.4	2066.4	2074.6	2078.2	2088.8	2093.6	2105.4	2116.1	2127.9	2143.3
25°	2035.6	2033.2	2037.9	2039.1	2041.4	2053.3	2056.9	2065.1	2075.8	2086.5	2101.9
27.5°	1988.2	1985.8	1987.0	1991.7	1995.3	2004.7	2007.1	2015.4	2023.7	2033.2	2046.2
30°	1897.0	1894.6	1893.5	1901.8	1905.3	1912.4	1915.9	1930.2	1932.5	1943.2	1952.6
32.5°	1776.2	1775.0	1777.4	1784.5	1788.0	1797.6	1802.3	1810.6	1816.5	1822.4	1831.9
35°	1641.2	1638.9	1641.2	1648.4	1648.4	1656.6	1660.2	1663.7	1662.5	1663.7	1661.4
37.5°	1515.7	1514.5	1515.7	1519.2	1515.7	1519.2	1515.7	1508.6	1495.6	1481.4	1467.1
40°	1409.1	1410.3	1403.2	1408.0	1394.9	1392.6	1379.6	1361.8	1335.7	1307.3	1267.1
42.5°	1295.5	1291.9	1287.2	1289.5	1278.9	1270.6	1249.3	1226.8	1193.6	1146.3	1097.7
45°	1155.7	1154.6	1152.2	1151.0	1143.9	1135.6	1117.8	1091.8	1055.1	1006.5	948.5
47.5°	1019.6	1016.0	1016.0	1017.2	1008.9	1007.7	993.5	971.0	939.0	891.7	831.3
50°	889.3	888.1	890.5	895.2	889.3	886.9	877.5	862.1	833.7	793.4	736.5
52.5°	772.1	770.9	773.3	779.2	776.8	779.2	769.7	757.9	738.9	699.8	650.1
55°	657.2	657.2	657.2	664.3	664.3	664.3	659.6	652.5	634.7	606.3	560.1
57.5°	537.6	538.8	545.9	547.1	545.9	548.3	547.1	539.9	528.2	508.0	472.5
60°	437.0	437.0	440.5	444.1	442.9	444.1	444.1	440.5	428.7	412.1	383.7
62.5°	345.8	349.3	346.9	349.3	354.1	349.3	346.9	344.6	336.3	325.6	301.9
65°	261.7	264.1	264.1	265.2	262.9	264.1	259.3	255.8	251.1	239.2	223.8
67.5°	199.0	199.0	199.0	199.0	197.7	196.6	195.4	191.8	183.6	178.8	162.2
70°	152.8	145.6	145.6	145.6	145.6	146.9	143.3	138.6	136.2	127.9	116.1
72.5°	101.8	104.2	101.8	101.8	99.5	100.6	95.9	93.5	91.2	86.5	79.3
75°	73.4	67.5	69.8	71.1	67.5	69.8	65.1	60.4	60.4	56.8	53.3
77.5°	47.4	46.2	47.4	48.5	47.4	46.2	43.8	41.4	41.4	40.3	36.7
80°	34.4	33.1	33.1	33.1	32.0	33.1	30.8	30.8	28.4	27.2	24.9
82.5°	22.5	22.5	21.3	22.5	21.3	22.5	19.0	19.0	19.0	17.7	15.4
85°	15.4	13.0	13.0	14.2	11.8	14.2	13.0	11.8	10.7	10.7	9.5
87.5°	7.1	8.3	7.1	8.3	7.1	7.1	8.3	7.1	7.1	4.7	4.7
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°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2413.3	2414.5	2414.5	2419.2	2421.6	2422.7	2422.7	2432.3	2428.7	2431.1	2433.4
5°	2379.0	2386.0	2388.4	2388.4	2401.4	2406.2	2410.9	2421.6	2422.7	2429.9	2438.1
7.5°	2345.8	2354.1	2358.8	2369.5	2377.8	2386.0	2400.3	2407.4	2414.5	2424.0	2434.6
10°	2313.8	2323.3	2332.8	2341.1	2354.1	2364.7	2374.2	2390.8	2399.1	2412.1	2426.3
12.5°	2283.1	2296.1	2304.4	2318.5	2332.8	2342.2	2356.5	2371.9	2384.9	2397.9	2414.5
15°	2255.8	2271.2	2280.7	2296.1	2311.5	2324.5	2339.9	2358.8	2368.3	2383.7	2399.1
17.5°	2226.2	2242.8	2254.6	2268.8	2287.8	2302.0	2315.0	2333.9	2345.8	2362.4	2380.1
20°	2195.4	2212.0	2226.2	2240.4	2259.4	2273.6	2289.0	2307.9	2320.9	2337.5	2351.7
22.5°	2158.7	2174.1	2189.5	2206.0	2225.0	2236.9	2254.6	2271.2	2285.4	2300.8	2315.0
25°	2111.3	2130.3	2142.1	2157.5	2172.9	2185.9	2204.9	2221.4	2233.3	2247.5	2260.5
27.5°	2055.7	2069.9	2079.4	2092.4	2107.8	2119.6	2133.8	2150.4	2162.3	2175.3	2184.7
30°	1960.9	1974.0	1982.3	1991.7	2007.1	2017.8	2029.7	2045.0	2053.3	2062.8	2071.1
32.5°	1836.6	1847.3	1852.0	1859.1	1869.8	1880.4	1889.9	1902.9	1906.5	1912.4	1912.4
35°	1656.6	1659.0	1657.8	1660.2	1664.9	1670.8	1679.1	1687.4	1692.1	1692.1	1688.6
37.5°	1445.8	1431.7	1416.3	1404.4	1400.9	1398.5	1403.2	1406.7	1411.5	1413.9	1408.0
40°	1226.8	1194.8	1160.5	1129.7	1108.4	1098.9	1095.3	1097.7	1097.7	1106.0	1106.0
42.5°	1038.5	988.8	937.9	891.7	860.9	837.2	826.5	826.5	827.7	833.7	837.2
45°	882.2	819.4	760.2	709.3	666.7	635.9	621.7	618.1	617.0	619.3	627.6
47.5°	762.6	697.5	635.9	573.1	528.2	497.3	484.3	479.6	474.8	479.6	480.8
50°	669.1	601.6	536.4	473.7	426.3	399.0	382.5	375.4	374.2	374.2	376.6
52.5°	583.8	521.0	455.9	392.0	342.2	316.2	300.8	297.2	292.5	297.2	297.2
55°	503.2	440.5	376.6	316.2	274.7	247.5	233.3	228.5	226.2	229.7	229.7
57.5°	415.7	362.3	303.2	248.7	207.2	188.3	177.6	171.7	170.5	172.9	170.5
60°	341.0	296.1	245.1	195.4	163.4	143.3	135.0	132.6	130.2	132.6	132.6
62.5°	270.0	232.1	190.6	152.8	125.5	111.3	101.8	101.8	100.6	100.6	101.8
65°	200.1	170.5	140.9	108.9	87.6	77.0	69.8	69.8	68.7	69.8	68.7
67.5°	145.6	125.5	101.8	79.3	62.8	56.8	52.1	48.5	50.9	48.5	47.4
70°	106.6	90.0	73.4	60.4	48.5	42.6	39.1	37.9	35.5	35.5	35.5
72.5°	71.1	60.4	49.7	39.1	32.0	26.0	24.9	22.5	20.1	21.3	23.7
75°	47.4	40.3	35.5	28.4	21.3	21.3	14.2	14.2	11.8	14.2	10.7
77.5°	33.1	27.2	21.3	17.7	14.2	13.0	9.5	9.5	8.3	8.3	8.3
80°	23.7	20.1	15.4	13.0	9.5	9.5	8.3	7.1	5.9	5.9	7.1
82.5°	14.2	10.7	10.7	9.5	5.9	4.7	3.6	4.7	2.4	2.4	2.4
85°	8.3	7.1	5.9	3.6	2.4	2.4	1.2	0.0	1.2	1.2	0.0
87.5°	4.7	2.4	2.4	1.2	0.0	1.2	1.2	0.0	0.0	0.0	2.4
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°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2439.4	2438.1	2440.5	2440.5	2447.7	2446.4	2450.0	2450.0	2447.7	2448.8	2453.6
5°	2447.7	2451.2	2458.3	2464.2	2474.9	2479.6	2485.5	2491.5	2492.6	2496.2	2499.8
7.5°	2447.7	2459.5	2467.8	2478.4	2492.6	2500.9	2513.9	2524.6	2529.3	2535.2	2542.4
10°	2442.9	2454.7	2470.1	2482.0	2499.8	2512.8	2525.8	2542.4	2549.5	2558.9	2568.4
12.5°	2433.4	2446.4	2463.0	2478.4	2498.5	2510.4	2527.0	2542.4	2553.0	2566.0	2576.7
15°	2419.2	2434.6	2450.0	2465.4	2486.7	2500.9	2516.3	2534.1	2544.7	2558.9	2568.4
17.5°	2396.7	2413.3	2427.5	2441.7	2461.8	2478.4	2492.6	2509.2	2519.9	2531.7	2544.7
20°	2369.5	2384.9	2400.3	2412.1	2432.3	2446.4	2461.8	2477.2	2485.5	2487.9	2508.0
22.5°	2335.2	2345.8	2357.6	2376.6	2388.4	2401.4	2415.7	2429.9	2438.1	2451.2	2458.3
25°	2278.3	2289.0	2302.0	2310.3	2324.5	2335.2	2349.3	2364.7	2369.5	2379.0	2386.0
27.5°	2199.0	2204.9	2210.8	2217.9	2226.2	2232.1	2240.4	2247.5	2252.3	2257.0	2261.7
30°	2073.4	2073.4	2073.4	2068.7	2072.3	2075.8	2077.0	2075.8	2075.8	2074.6	2074.6
32.5°	1907.7	1898.2	1887.5	1878.1	1874.5	1869.8	1867.4	1863.8	1857.9	1854.4	1855.6
35°	1683.8	1662.5	1649.5	1637.7	1628.2	1621.1	1617.6	1614.0	1612.8	1608.1	1603.3
37.5°	1404.4	1389.0	1379.6	1372.4	1364.2	1357.0	1358.2	1359.4	1362.9	1360.6	1361.8
40°	1108.4	1104.8	1108.4	1100.1	1097.7	1100.1	1106.0	1114.3	1119.0	1123.8	1132.0
42.5°	843.1	849.0	857.3	857.3	860.9	865.6	872.7	885.8	892.8	901.1	910.6
45°	634.7	641.8	652.5	656.0	658.4	664.3	672.6	683.2	688.0	695.1	703.4
47.5°	489.1	493.8	499.7	505.6	511.5	513.9	522.2	522.2	528.2	532.9	535.2
50°	381.3	386.0	390.8	394.3	396.7	400.3	402.6	406.2	407.3	409.7	410.9
52.5°	298.4	304.3	304.3	306.7	310.2	313.8	312.6	313.8	315.0	315.0	318.5
55°	233.3	233.3	236.8	236.8	239.2	238.0	239.2	239.2	239.2	239.2	240.4
57.5°	174.1	175.3	178.8	176.4	175.3	177.6	175.3	177.6	176.4	178.8	175.3
60°	133.8	133.8	135.0	135.0	136.2	136.2	136.2	135.0	135.0	133.8	133.8
62.5°	100.6	101.8	103.0	101.8	101.8	101.8	100.6	100.6	99.5	98.3	98.3
65°	67.5	66.3	68.7	66.3	67.5	67.5	66.3	67.5	63.9	65.1	63.9
67.5°	48.5	47.4	46.2	47.4	46.2	45.0	45.0	46.2	47.4	43.8	43.8
70°	32.0	33.1	32.0	33.1	34.4	34.4	33.1	32.0	33.1	30.8	32.0
72.5°	20.1	20.1	20.1	20.1	20.1	21.3	21.3	21.3	19.0	19.0	17.7
75°	9.5	13.0	10.7	9.5	13.0	13.0	11.8	11.8	10.7	10.7	10.7
77.5°	9.5	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.9	7.1	5.9
80°	4.7	4.7	4.7	3.6	4.7	4.7	5.9	4.7	4.7	3.6	5.9
82.5°	2.4	2.4	2.4	0.0	1.2	2.4	2.4	1.2	2.4	2.4	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: P245962

CATALOG NUMBER: LD8B40D010 ER8B40827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2452.4	2451.2	2452.4	2453.6	2452.4	2451.2	2452.4	2453.6	2448.8	2447.7	2450.0
5°	2504.5	2504.5	2506.8	2508.0	2506.8	2504.5	2504.5	2499.8	2496.2	2492.6	2491.5
7.5°	2549.5	2551.9	2554.2	2555.4	2554.2	2551.9	2549.5	2542.4	2535.2	2529.3	2524.6
10°	2576.7	2580.3	2585.0	2587.3	2585.0	2580.3	2576.7	2568.4	2558.9	2549.5	2542.4
12.5°	2588.6	2592.1	2598.0	2596.8	2598.0	2592.1	2588.6	2576.7	2566.0	2553.0	2542.4
15°	2580.3	2585.0	2590.9	2593.3	2590.9	2585.0	2580.3	2568.4	2558.9	2544.7	2534.1
17.5°	2554.2	2561.3	2564.9	2568.4	2564.9	2561.3	2554.2	2544.7	2531.7	2519.9	2509.2
20°	2518.7	2523.4	2528.2	2529.3	2528.2	2523.4	2518.7	2508.0	2487.9	2485.5	2477.2
22.5°	2467.8	2471.3	2482.0	2478.4	2482.0	2471.3	2467.8	2458.3	2451.2	2438.1	2429.9
25°	2394.3	2397.9	2399.1	2400.3	2399.1	2397.9	2394.3	2386.0	2379.0	2369.5	2364.7
27.5°	2267.7	2267.7	2270.0	2271.2	2270.0	2267.7	2267.7	2261.7	2257.0	2252.3	2247.5
30°	2075.8	2075.8	2075.8	2081.8	2075.8	2075.8	2075.8	2074.6	2074.6	2075.8	2075.8
32.5°	1854.4	1852.0	1849.7	1852.0	1849.7	1852.0	1854.4	1855.6	1854.4	1857.9	1863.8
35°	1603.3	1602.2	1605.7	1601.0	1605.7	1602.2	1603.3	1603.3	1608.1	1612.8	1614.0
37.5°	1362.9	1360.6	1365.3	1360.6	1365.3	1360.6	1362.9	1361.8	1360.6	1362.9	1359.4
40°	1134.4	1136.8	1136.8	1146.3	1136.8	1136.8	1134.4	1132.0	1123.8	1119.0	1114.3
42.5°	915.3	922.5	920.1	927.2	920.1	922.5	915.3	910.6	901.1	892.8	885.8
45°	708.1	712.9	712.9	715.2	712.9	712.9	708.1	703.4	695.1	688.0	683.2
47.5°	543.5	543.5	543.5	544.7	543.5	543.5	543.5	535.2	532.9	528.2	522.2
50°	413.3	414.4	415.7	416.8	415.7	414.4	413.3	410.9	409.7	407.3	406.2
52.5°	317.3	318.5	316.2	318.5	316.2	318.5	317.3	318.5	315.0	315.0	313.8
55°	240.4	239.2	240.4	241.6	240.4	239.2	240.4	240.4	239.2	239.2	239.2
57.5°	176.4	174.1	174.1	174.1	174.1	174.1	176.4	175.3	178.8	176.4	177.6
60°	131.5	132.6	132.6	133.8	132.6	132.6	131.5	133.8	133.8	135.0	135.0
62.5°	97.1	100.6	98.3	100.6	98.3	100.6	97.1	98.3	98.3	99.5	100.6
65°	62.8	62.8	62.8	63.9	62.8	62.8	62.8	63.9	65.1	63.9	67.5
67.5°	42.6	43.8	46.2	45.0	46.2	43.8	42.6	43.8	43.8	47.4	46.2
70°	34.4	30.8	30.8	34.4	30.8	30.8	34.4	32.0	30.8	33.1	32.0
72.5°	20.1	17.7	20.1	20.1	20.1	17.7	20.1	17.7	19.0	19.0	21.3
75°	10.7	9.5	8.3	11.8	8.3	9.5	10.7	10.7	10.7	10.7	11.8
77.5°	7.1	5.9	8.3	8.3	8.3	5.9	7.1	5.9	7.1	5.9	7.1
80°	3.6	4.7	3.6	5.9	3.6	4.7	3.6	5.9	3.6	4.7	4.7
82.5°	1.2	2.4	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	1.2
85°	0.0	2.4	1.2	1.2	1.2	2.4	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: P245962

CATALOG NUMBER: LD8B40D010 ER8B40827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2450.0	2446.4	2447.7	2440.5	2440.5	2438.1	2439.4	2433.4	2431.1	2428.7	2432.3
5°	2485.5	2479.6	2474.9	2464.2	2458.3	2451.2	2447.7	2438.1	2429.9	2422.7	2421.6
7.5°	2513.9	2500.9	2492.6	2478.4	2467.8	2459.5	2447.7	2434.6	2424.0	2414.5	2407.4
10°	2525.8	2512.8	2499.8	2482.0	2470.1	2454.7	2442.9	2426.3	2412.1	2399.1	2390.8
12.5°	2527.0	2510.4	2498.5	2478.4	2463.0	2446.4	2433.4	2414.5	2397.9	2384.9	2371.9
15°	2516.3	2500.9	2486.7	2465.4	2450.0	2434.6	2419.2	2399.1	2383.7	2368.3	2358.8
17.5°	2492.6	2478.4	2461.8	2441.7	2427.5	2413.3	2396.7	2380.1	2362.4	2345.8	2333.9
20°	2461.8	2446.4	2432.3	2412.1	2400.3	2384.9	2369.5	2351.7	2337.5	2320.9	2307.9
22.5°	2415.7	2401.4	2388.4	2376.6	2357.6	2345.8	2335.2	2315.0	2300.8	2285.4	2271.2
25°	2349.3	2335.2	2324.5	2310.3	2302.0	2289.0	2278.3	2260.5	2247.5	2233.3	2221.4
27.5°	2240.4	2232.1	2226.2	2217.9	2210.8	2204.9	2199.0	2184.7	2175.3	2162.3	2150.4
30°	2077.0	2075.8	2072.3	2068.7	2073.4	2073.4	2073.4	2071.1	2062.8	2053.3	2045.0
32.5°	1867.4	1869.8	1874.5	1878.1	1887.5	1898.2	1907.7	1912.4	1912.4	1906.5	1902.9
35°	1617.6	1621.1	1628.2	1637.7	1649.5	1662.5	1683.8	1688.6	1692.1	1692.1	1687.4
37.5°	1358.2	1357.0	1364.2	1372.4	1379.6	1389.0	1404.4	1408.0	1413.9	1411.5	1406.7
40°	1106.0	1100.1	1097.7	1100.1	1108.4	1104.8	1108.4	1106.0	1106.0	1097.7	1097.7
42.5°	872.7	865.6	860.9	857.3	857.3	849.0	843.1	837.2	833.7	827.7	826.5
45°	672.6	664.3	658.4	656.0	652.5	641.8	634.7	627.6	619.3	617.0	618.1
47.5°	522.2	513.9	511.5	505.6	499.7	493.8	489.1	480.8	479.6	474.8	479.6
50°	402.6	400.3	396.7	394.3	390.8	386.0	381.3	376.6	374.2	374.2	375.4
52.5°	312.6	313.8	310.2	306.7	304.3	304.3	298.4	297.2	297.2	292.5	297.2
55°	239.2	238.0	239.2	236.8	236.8	233.3	233.3	229.7	229.7	226.2	228.5
57.5°	175.3	177.6	175.3	176.4	178.8	175.3	174.1	170.5	172.9	170.5	171.7
60°	136.2	136.2	136.2	135.0	135.0	133.8	133.8	132.6	132.6	130.2	132.6
62.5°	100.6	101.8	101.8	101.8	103.0	101.8	100.6	101.8	100.6	100.6	101.8
65°	66.3	67.5	67.5	66.3	68.7	66.3	67.5	68.7	69.8	68.7	69.8
67.5°	45.0	45.0	46.2	47.4	46.2	47.4	48.5	47.4	48.5	50.9	48.5
70°	33.1	34.4	34.4	33.1	32.0	33.1	32.0	35.5	35.5	35.5	37.9
72.5°	21.3	21.3	20.1	20.1	20.1	20.1	20.1	23.7	21.3	20.1	22.5
75°	11.8	13.0	13.0	9.5	10.7	13.0	9.5	10.7	14.2	11.8	14.2
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	9.5	8.3	8.3	8.3	9.5
80°	5.9	4.7	4.7	3.6	4.7	4.7	4.7	7.1	5.9	5.9	7.1
82.5°	2.4	2.4	1.2	0.0	2.4	2.4	2.4	2.4	2.4	2.4	4.7
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	2.4	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: P245962

CATALOG NUMBER: LD8B40D010 ER8B40827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2422.7	2422.7	2421.6	2419.2	2414.5	2414.5	2413.3	2409.7	2407.4	2406.2	2406.2
5°	2410.9	2406.2	2401.4	2388.4	2388.4	2386.0	2379.0	2374.2	2371.9	2365.9	2363.6
7.5°	2400.3	2386.0	2377.8	2369.5	2358.8	2354.1	2345.8	2342.2	2333.9	2328.0	2324.5
10°	2374.2	2364.7	2354.1	2341.1	2332.8	2323.3	2313.8	2306.7	2296.1	2290.1	2285.4
12.5°	2356.5	2342.2	2332.8	2318.5	2304.4	2296.1	2283.1	2274.8	2264.1	2252.3	2245.1
15°	2339.9	2324.5	2311.5	2296.1	2280.7	2271.2	2255.8	2246.4	2231.0	2219.1	2210.8
17.5°	2315.0	2302.0	2287.8	2268.8	2254.6	2242.8	2226.2	2214.4	2200.1	2184.7	2176.5
20°	2289.0	2273.6	2259.4	2240.4	2226.2	2212.0	2195.4	2182.4	2165.8	2151.6	2142.1
22.5°	2254.6	2236.9	2225.0	2206.0	2189.5	2174.1	2158.7	2143.3	2127.9	2116.1	2105.4
25°	2204.9	2185.9	2172.9	2157.5	2142.1	2130.3	2111.3	2101.9	2086.5	2075.8	2065.1
27.5°	2133.8	2119.6	2107.8	2092.4	2079.4	2069.9	2055.7	2046.2	2033.2	2023.7	2015.4
30°	2029.7	2017.8	2007.1	1991.7	1982.3	1974.0	1960.9	1952.6	1943.2	1932.5	1930.2
32.5°	1889.9	1880.4	1869.8	1859.1	1852.0	1847.3	1836.6	1831.9	1822.4	1816.5	1810.6
35°	1679.1	1670.8	1664.9	1660.2	1657.8	1659.0	1656.6	1661.4	1663.7	1662.5	1663.7
37.5°	1403.2	1398.5	1400.9	1404.4	1416.3	1431.7	1445.8	1467.1	1481.4	1495.6	1508.6
40°	1095.3	1098.9	1108.4	1129.7	1160.5	1194.8	1226.8	1267.1	1307.3	1335.7	1361.8
42.5°	826.5	837.2	860.9	891.7	937.9	988.8	1038.5	1097.7	1146.3	1193.6	1226.8
45°	621.7	635.9	666.7	709.3	760.2	819.4	882.2	948.5	1006.5	1055.1	1091.8
47.5°	484.3	497.3	528.2	573.1	635.9	697.5	762.6	831.3	891.7	939.0	971.0
50°	382.5	399.0	426.3	473.7	536.4	601.6	669.1	736.5	793.4	833.7	862.1
52.5°	300.8	316.2	342.2	392.0	455.9	521.0	583.8	650.1	699.8	738.9	757.9
55°	233.3	247.5	274.7	316.2	376.6	440.5	503.2	560.1	606.3	634.7	652.5
57.5°	177.6	188.3	207.2	248.7	303.2	362.3	415.7	472.5	508.0	528.2	539.9
60°	135.0	143.3	163.4	195.4	245.1	296.1	341.0	383.7	412.1	428.7	440.5
62.5°	101.8	111.3	125.5	152.8	190.6	232.1	270.0	301.9	325.6	336.3	344.6
65°	69.8	77.0	87.6	108.9	140.9	170.5	200.1	223.8	239.2	251.1	255.8
67.5°	52.1	56.8	62.8	79.3	101.8	125.5	145.6	162.2	178.8	183.6	191.8
70°	39.1	42.6	48.5	60.4	73.4	90.0	106.6	116.1	127.9	136.2	138.6
72.5°	24.9	26.0	32.0	39.1	49.7	60.4	71.1	79.3	86.5	91.2	93.5
75°	14.2	21.3	21.3	28.4	35.5	40.3	47.4	53.3	56.8	60.4	60.4
77.5°	9.5	13.0	14.2	17.7	21.3	27.2	33.1	36.7	40.3	41.4	41.4
80°	8.3	9.5	9.5	13.0	15.4	20.1	23.7	24.9	27.2	28.4	30.8
82.5°	3.6	4.7	5.9	9.5	10.7	10.7	14.2	15.4	17.7	19.0	19.0
85°	1.2	2.4	2.4	3.6	5.9	7.1	8.3	9.5	10.7	10.7	11.8
87.5°	1.2	1.2	0.0	1.2	2.4	2.4	4.7	4.7	4.7	7.1	7.1
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: P245962

CATALOG NUMBER: LD8B40D010 ER8B40827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1	2425.1
2.5°	2403.8	2405.0	2400.3	2399.1	2396.7	2397.9	2400.3
5°	2360.0	2361.2	2356.5	2351.7	2351.7	2350.5	2351.7
7.5°	2318.5	2319.8	2312.6	2310.3	2305.5	2306.7	2306.7
10°	2277.1	2277.1	2266.5	2265.3	2261.7	2260.5	2260.5
12.5°	2236.9	2233.3	2225.0	2220.3	2222.7	2215.6	2215.6
15°	2201.3	2195.4	2184.7	2181.2	2175.3	2172.9	2172.9
17.5°	2164.6	2159.9	2150.4	2143.3	2136.2	2135.0	2136.2
20°	2129.1	2124.4	2112.5	2107.8	2101.9	2101.9	2099.5
22.5°	2093.6	2088.8	2078.2	2074.6	2066.4	2066.4	2067.5
25°	2056.9	2053.3	2041.4	2039.1	2037.9	2033.2	2035.6
27.5°	2007.1	2004.7	1995.3	1991.7	1987.0	1985.8	1988.2
30°	1915.9	1912.4	1905.3	1901.8	1893.5	1894.6	1897.0
32.5°	1802.3	1797.6	1788.0	1784.5	1777.4	1775.0	1776.2
35°	1660.2	1656.6	1648.4	1648.4	1641.2	1638.9	1641.2
37.5°	1515.7	1519.2	1515.7	1519.2	1515.7	1514.5	1515.7
40°	1379.6	1392.6	1394.9	1408.0	1403.2	1410.3	1409.1
42.5°	1249.3	1270.6	1278.9	1289.5	1287.2	1291.9	1295.5
45°	1117.8	1135.6	1143.9	1151.0	1152.2	1154.6	1155.7
47.5°	993.5	1007.7	1008.9	1017.2	1016.0	1016.0	1019.6
50°	877.5	886.9	889.3	895.2	890.5	888.1	889.3
52.5°	769.7	779.2	776.8	779.2	773.3	770.9	772.1
55°	659.6	664.3	664.3	664.3	657.2	657.2	657.2
57.5°	547.1	548.3	545.9	547.1	545.9	538.8	537.6
60°	444.1	444.1	442.9	444.1	440.5	437.0	437.0
62.5°	346.9	349.3	354.1	349.3	346.9	349.3	345.8
65°	259.3	264.1	262.9	265.2	264.1	264.1	261.7
67.5°	195.4	196.6	197.7	199.0	199.0	199.0	199.0
70°	143.3	146.9	145.6	145.6	145.6	145.6	152.8
72.5°	95.9	100.6	99.5	101.8	101.8	104.2	101.8
75°	65.1	69.8	67.5	71.1	69.8	67.5	73.4
77.5°	43.8	46.2	47.4	48.5	47.4	46.2	47.4
80°	30.8	33.1	32.0	33.1	33.1	33.1	34.4
82.5°	19.0	22.5	21.3	22.5	21.3	22.5	22.5
85°	13.0	14.2	11.8	14.2	13.0	13.0	15.4
87.5°	8.3	7.1	7.1	8.3	7.1	8.3	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)