

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P212834

Luminaire Tested: **LE\_6B40D010 EC6B30509730 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212834  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B40D010 EC6B30509730 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3724.9 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

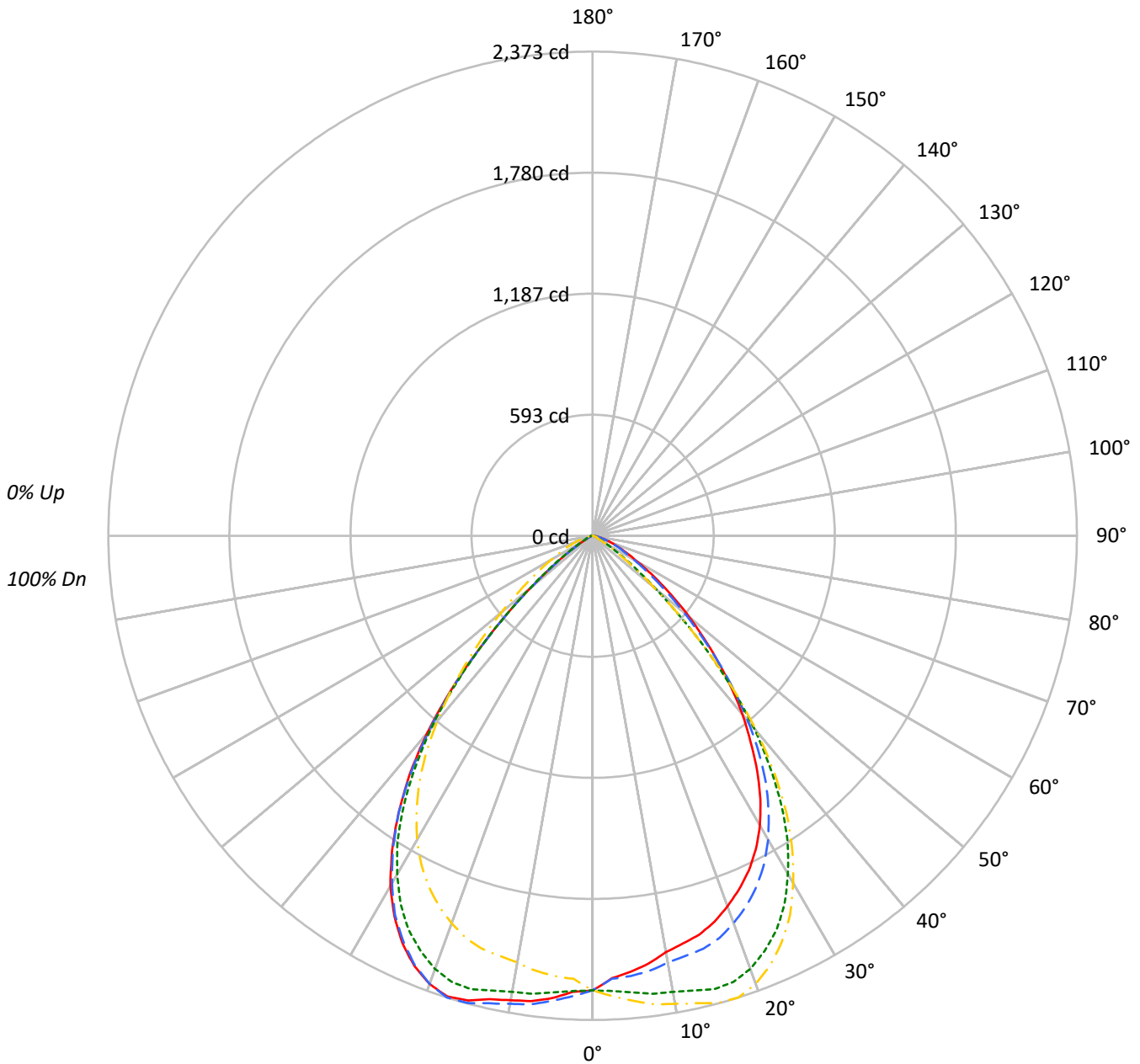
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	110	107	104	102	103	100	98	99	97	96	95	94	93	91								
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82								
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73								
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66								
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60								
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54								
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49								
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45								
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42								
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	122134	122134	122134	122134
5°	118033	123602	125170	123602
10°	115351	126328	128638	126328
15°	114813	130563	133803	130563
20°	112721	131786	136331	131786
25°	109506	128959	133350	128959
30°	103756	121164	125431	121164
35°	94080	107960	110918	107960
40°	81667	87979	90205	87979
45°	66953	60719	61130	60719
50°	52638	34063	33398	34063
55°	38919	16860	15120	16860
60°	27586	7390	5394	7390
65°	20521	4696	3360	4696
70°	14970	3751	2484	3751
75°	10993	2754	1652	2754
80°	7387	2462	821	2462
85°	4906	1635	1635	1635



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.3	5.7
10°-20°	631.7	17.0
20°-30°	942.7	25.3
30°-40°	968.5	26.0
40°-50°	627.2	16.8
50°-60°	233.2	6.3
60°-70°	76.5	2.1
70°-80°	27.0	0.7
80°-90°	4.8	0.1
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°	1787.6	48.0
0°-40°	2756.2	74.0
0°-60°	3616.6	97.1
0°-90°	3724.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3724.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2228	2228	2228	2228	2228	
5°	2145	2246	2275	2246	2145	203
15°	2023	2300	2358	2300	2023	569
25°	1810	2132	2205	2132	1810	830
35°	1406	1613	1657	1613	1406	873
45°	864	783	788	783	864	668
55°	407	176	158	176	407	371
65°	158	36	26	36	158	161
75°	52	13	8	13	52	57
85°	8	3	3	3	8	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2170.9	2202.0	2181.2	2194.2	2173.5	2173.5	2215.0	2191.6	2209.8	2191.6	2173.5
5°	2144.9	2183.9	2157.9	2170.9	2152.8	2155.2	2194.2	2176.0	2194.2	2181.2	2165.6
7.5°	2113.8	2152.8	2129.4	2142.4	2124.1	2129.4	2170.9	2152.8	2173.5	2160.5	2150.1
10°	2072.2	2113.8	2093.0	2106.0	2090.5	2093.0	2134.5	2121.6	2139.8	2132.0	2124.1
12.5°	2046.4	2085.2	2061.9	2074.9	2064.5	2069.8	2108.6	2098.2	2121.6	2113.8	2108.6
15°	2023.0	2059.4	2038.6	2051.5	2043.8	2046.4	2087.9	2077.5	2103.4	2098.2	2095.6
17.5°	1984.1	2023.0	1999.6	2015.2	2007.5	2010.0	2051.5	2043.8	2069.8	2069.8	2067.1
20°	1932.2	1971.1	1953.0	1963.4	1958.2	1963.4	1999.6	1994.5	2020.4	2020.4	2020.4
22.5°	1875.2	1914.1	1893.4	1903.8	1898.5	1906.4	1940.0	1940.0	1960.8	1963.4	1966.0
25°	1810.4	1849.2	1828.5	1841.5	1836.2	1841.5	1872.6	1875.2	1893.4	1893.4	1898.5
27.5°	1732.5	1771.5	1750.8	1761.1	1758.5	1761.1	1794.8	1800.0	1810.4	1813.0	1818.1
30°	1639.1	1675.5	1654.8	1665.1	1665.1	1665.1	1698.9	1701.4	1711.8	1714.4	1719.6
32.5°	1530.2	1561.4	1545.8	1556.1	1553.6	1558.8	1582.1	1592.5	1605.5	1602.9	1605.5
35°	1405.8	1439.5	1423.9	1431.6	1434.2	1442.0	1457.6	1470.6	1473.1	1475.8	1481.0
37.5°	1270.9	1304.6	1289.0	1296.9	1299.4	1315.0	1320.1	1333.1	1338.2	1338.2	1338.2
40°	1141.2	1156.8	1143.8	1151.6	1154.1	1167.1	1172.4	1182.8	1187.9	1185.2	1182.8
42.5°	1001.1	1014.1	1001.1	1008.9	1008.9	1019.2	1021.9	1034.9	1034.9	1029.6	1021.9
45°	863.6	876.6	863.6	868.9	868.9	879.2	879.2	879.2	884.4	876.6	863.6
47.5°	734.0	747.0	734.0	739.1	736.6	744.4	741.8	744.4	736.6	731.4	715.9
50°	617.2	622.5	617.2	614.8	617.2	622.5	619.9	619.9	609.5	601.8	583.6
52.5°	503.1	511.0	503.1	503.1	503.1	508.4	508.4	505.8	495.4	485.0	466.9
55°	407.2	412.4	409.8	407.2	407.2	412.4	407.2	407.2	396.9	389.0	370.9
57.5°	324.2	326.8	324.2	324.2	324.2	326.8	326.8	321.6	313.9	306.0	293.1
60°	251.6	254.1	254.1	251.6	251.6	256.8	256.8	254.1	246.4	241.2	228.2
62.5°	199.8	199.8	199.8	199.8	199.8	202.2	202.2	202.2	197.1	191.9	181.5
65°	158.2	160.8	158.2	158.2	160.8	163.4	160.8	163.4	158.2	155.6	147.9
67.5°	121.9	124.5	121.9	124.5	124.5	127.1	124.5	127.1	121.9	119.2	114.1
70°	93.4	93.4	93.4	93.4	93.4	96.0	93.4	96.0	93.4	90.8	85.6
72.5°	70.0	70.0	72.6	72.6	70.0	72.6	70.0	70.0	70.0	67.4	64.9
75°	51.9	51.9	54.5	51.9	51.9	51.9	51.9	51.9	49.2	49.2	46.6
77.5°	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	33.8	33.8	31.1
80°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	20.8	20.8
82.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	13.0	13.0
85°	7.8	7.8	7.8	10.4	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	2.6	2.6	2.6	5.1	2.6	2.6	5.1	5.1	2.6	2.6	2.6
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):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2194.2	2202.0	2202.0	2194.2	2212.4	2196.8	2227.9	2199.4	2207.1	2233.1	2230.5
5°	2186.4	2196.8	2199.4	2194.2	2217.5	2204.6	2235.8	2207.1	2220.1	2246.1	2246.1
7.5°	2176.0	2189.0	2194.2	2199.4	2220.1	2207.1	2243.5	2215.0	2233.1	2264.2	2261.6
10°	2152.8	2170.9	2181.2	2189.0	2209.8	2202.0	2240.9	2217.5	2233.1	2269.4	2266.9
12.5°	2139.8	2160.5	2176.0	2189.0	2212.4	2207.1	2246.1	2225.4	2246.1	2282.4	2282.4
15°	2129.4	2152.8	2170.9	2194.2	2217.5	2212.4	2253.9	2235.8	2256.5	2300.5	2298.0
17.5°	2103.4	2132.0	2150.1	2176.0	2199.4	2196.8	2240.9	2227.9	2251.2	2292.8	2295.4
20°	2059.4	2085.2	2106.0	2137.1	2163.1	2157.9	2204.6	2191.6	2215.0	2259.0	2261.6
22.5°	2002.2	2028.2	2049.0	2082.6	2106.0	2103.4	2150.1	2137.1	2160.5	2202.0	2204.6
25°	1934.9	1958.2	1979.0	2010.0	2036.0	2036.0	2077.5	2064.5	2090.5	2132.0	2132.0
27.5°	1851.9	1872.6	1890.8	1927.1	1947.9	1947.9	1986.8	1973.8	1999.6	2036.0	2033.4
30°	1750.8	1768.9	1784.4	1815.5	1833.8	1836.2	1870.0	1857.0	1883.0	1914.1	1914.1
32.5°	1628.8	1647.0	1657.4	1696.2	1709.2	1706.6	1732.5	1719.6	1745.5	1779.2	1771.5
35°	1499.1	1506.9	1514.6	1553.6	1558.8	1548.4	1574.4	1561.4	1579.5	1613.2	1608.0
37.5°	1351.2	1353.9	1353.9	1387.6	1390.1	1382.4	1398.0	1382.4	1395.4	1426.5	1423.9
40°	1187.9	1185.2	1182.8	1208.6	1206.0	1190.5	1200.9	1187.9	1206.0	1229.4	1216.4
42.5°	1021.9	1014.1	1003.8	1016.8	1006.4	993.4	998.5	977.8	990.8	1008.9	993.4
45°	858.5	842.9	822.1	824.8	811.8	796.2	788.5	767.8	765.1	783.2	770.2
47.5°	705.5	674.4	656.2	645.9	625.1	612.1	596.5	573.2	562.9	573.2	560.2
50°	568.0	536.9	513.5	490.2	469.5	453.9	428.0	412.4	396.9	399.4	389.0
52.5°	448.8	428.0	389.0	370.9	350.1	332.0	308.6	290.5	272.4	272.4	262.0
55°	355.4	326.8	300.9	274.9	254.1	238.6	215.2	197.1	179.0	176.4	166.0
57.5°	274.9	254.1	225.6	199.8	186.8	171.1	147.9	127.1	116.8	108.9	101.1
60°	212.6	191.9	168.6	147.9	132.2	121.9	98.5	83.0	72.6	67.4	59.6
62.5°	171.1	153.0	132.2	111.5	101.1	90.8	72.6	59.6	49.2	44.1	38.9
65°	137.5	121.9	106.4	90.8	83.0	72.6	59.6	49.2	41.5	36.2	31.1
67.5°	106.4	96.0	83.0	72.6	64.9	57.0	46.6	38.9	33.8	28.5	25.9
70°	80.4	72.6	64.9	54.5	49.2	44.1	36.2	28.5	25.9	23.4	20.8
72.5°	62.2	54.5	46.6	41.5	36.2	33.8	28.5	23.4	20.8	18.1	15.5
75°	41.5	38.9	33.8	28.5	25.9	23.4	20.8	18.1	15.5	13.0	13.0
77.5°	28.5	25.9	23.4	20.8	18.1	18.1	15.5	13.0	10.4	10.4	7.8
80°	18.1	15.5	15.5	13.0	13.0	13.0	10.4	7.8	7.8	7.8	5.1
82.5°	13.0	10.4	10.4	7.8	7.8	7.8	7.8	5.1	5.1	5.1	2.6
85°	7.8	5.1	5.1	5.1	5.1	5.1	5.1	2.6	2.6	2.6	2.6
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	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



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2209.8	2233.1	2233.1	2253.9	2256.5	2251.2	2227.9	2227.9	2259.0	2277.2	2246.1
5°	2230.5	2253.9	2253.9	2274.6	2285.0	2277.2	2253.9	2256.5	2287.6	2308.4	2277.2
7.5°	2248.6	2272.0	2277.2	2300.5	2308.4	2300.5	2277.2	2282.4	2316.1	2334.2	2303.1
10°	2256.5	2279.8	2282.4	2308.4	2318.8	2308.4	2290.1	2292.8	2329.1	2342.0	2313.5
12.5°	2274.6	2298.0	2298.0	2326.5	2336.9	2329.1	2305.8	2310.9	2347.2	2360.2	2331.6
15°	2292.8	2316.1	2316.1	2347.2	2360.2	2349.9	2331.6	2334.2	2370.6	2383.5	2360.2
17.5°	2292.8	2313.5	2313.5	2347.2	2360.2	2352.4	2331.6	2334.2	2373.1	2383.5	2360.2
20°	2259.0	2282.4	2277.2	2310.9	2323.9	2316.1	2298.0	2298.0	2336.9	2347.2	2323.9
22.5°	2204.6	2225.4	2220.1	2251.2	2266.9	2256.5	2240.9	2238.2	2277.2	2287.6	2264.2
25°	2129.4	2150.1	2144.9	2176.0	2191.6	2178.6	2160.5	2163.1	2194.2	2209.8	2189.0
27.5°	2041.1	2054.1	2046.4	2077.5	2093.0	2080.1	2061.9	2064.5	2095.6	2106.0	2090.5
30°	1921.9	1932.2	1924.5	1950.4	1960.8	1953.0	1937.5	1937.5	1966.0	1979.0	1963.4
32.5°	1779.2	1787.0	1779.2	1800.0	1820.8	1805.1	1789.6	1789.6	1820.8	1831.1	1813.0
35°	1613.2	1621.0	1615.9	1636.6	1652.1	1631.4	1618.4	1613.2	1654.8	1649.5	1639.1
37.5°	1429.1	1434.2	1418.8	1455.0	1462.8	1439.5	1429.1	1423.9	1460.2	1457.6	1447.2
40°	1221.6	1226.8	1216.4	1242.4	1245.0	1226.8	1219.0	1211.2	1247.5	1245.0	1237.1
42.5°	1001.1	1003.8	990.8	1011.5	1016.8	998.5	996.0	985.6	1019.2	1014.1	1011.5
45°	772.9	772.9	762.5	778.1	783.2	767.8	762.5	759.9	783.2	783.2	778.1
47.5°	560.2	552.5	539.5	562.9	565.4	555.0	552.5	544.6	568.0	568.0	562.9
50°	383.9	381.2	378.6	383.9	386.5	373.5	381.2	373.5	386.5	386.5	386.5
52.5°	256.8	254.1	249.0	254.1	254.1	246.4	246.4	243.8	254.1	254.1	249.0
55°	160.8	158.2	155.6	158.2	158.2	150.4	155.6	150.4	155.6	155.6	153.0
57.5°	98.5	93.4	93.4	90.8	90.8	85.6	88.1	88.1	88.1	88.1	88.1
60°	57.0	54.5	51.9	51.9	51.9	49.2	49.2	49.2	49.2	49.2	49.2
62.5°	36.2	36.2	33.8	33.8	33.8	33.8	33.8	31.1	33.8	33.8	33.8
65°	31.1	28.5	28.5	28.5	28.5	25.9	25.9	25.9	25.9	25.9	25.9
67.5°	25.9	23.4	23.4	23.4	23.4	20.8	20.8	20.8	20.8	20.8	20.8
70°	20.8	18.1	18.1	18.1	18.1	18.1	15.5	18.1	18.1	15.5	15.5
72.5°	15.5	15.5	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
75°	10.4	10.4	10.4	10.4	10.4	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	5.1	5.1	5.1	5.1	5.1	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	2.6	2.6	2.6	2.6	2.6	0.0	2.6	0.0	2.6	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: P212834

CATALOG NUMBER: LE\_6B40D010 EC6B30509730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2282.4	2256.5	2243.5	2269.4	2279.8	2266.9	2256.5	2238.2	2256.5	2266.9	2279.8
5°	2313.5	2290.1	2279.8	2298.0	2313.5	2300.5	2292.8	2274.6	2292.8	2300.5	2313.5
7.5°	2342.0	2318.8	2305.8	2323.9	2342.0	2323.9	2316.1	2300.5	2316.1	2323.9	2342.0
10°	2352.4	2326.5	2316.1	2331.6	2349.9	2331.6	2321.2	2310.9	2321.2	2331.6	2349.9
12.5°	2370.6	2344.6	2331.6	2344.6	2362.8	2344.6	2334.2	2326.5	2334.2	2344.6	2362.8
15°	2396.5	2373.1	2357.6	2370.6	2393.9	2373.1	2360.2	2357.6	2360.2	2373.1	2393.9
17.5°	2396.5	2378.4	2362.8	2373.1	2396.5	2381.0	2362.8	2368.0	2362.8	2381.0	2396.5
20°	2362.8	2344.6	2331.6	2331.6	2365.4	2344.6	2329.1	2336.9	2329.1	2344.6	2365.4
22.5°	2303.1	2287.6	2274.6	2272.0	2305.8	2287.6	2266.9	2282.4	2266.9	2287.6	2305.8
25°	2225.4	2209.8	2199.4	2194.2	2227.9	2207.1	2189.0	2204.6	2189.0	2207.1	2227.9
27.5°	2124.1	2111.2	2100.9	2093.0	2124.1	2106.0	2087.9	2103.4	2087.9	2106.0	2124.1
30°	1994.5	1986.8	1976.4	1966.0	1997.1	1979.0	1960.8	1981.5	1960.8	1979.0	1997.1
32.5°	1844.1	1838.9	1825.9	1815.5	1846.6	1825.9	1813.0	1828.5	1813.0	1825.9	1846.6
35°	1670.2	1662.5	1654.8	1636.6	1670.2	1652.1	1652.1	1657.4	1652.1	1652.1	1670.2
37.5°	1475.8	1470.6	1460.2	1444.6	1473.1	1460.2	1455.0	1470.6	1455.0	1460.2	1473.1
40°	1257.9	1255.4	1247.5	1229.4	1260.5	1247.5	1239.8	1260.5	1239.8	1247.5	1260.5
42.5°	1029.6	1024.5	1016.8	1014.1	1029.6	1019.2	1027.1	1027.1	1027.1	1019.2	1029.6
45°	793.6	788.5	783.2	772.9	791.0	785.9	783.2	788.5	783.2	785.9	791.0
47.5°	575.8	570.6	565.4	557.6	575.8	568.0	568.0	573.2	568.0	568.0	575.8
50°	386.5	389.0	386.5	381.2	386.5	383.9	386.5	391.6	386.5	383.9	386.5
52.5°	256.8	256.8	251.6	249.0	254.1	251.6	259.4	254.1	259.4	251.6	254.1
55°	155.6	158.2	155.6	153.0	155.6	153.0	160.8	158.2	160.8	153.0	155.6
57.5°	88.1	88.1	90.8	88.1	93.4	90.8	90.8	90.8	90.8	90.8	93.4
60°	49.2	49.2	49.2	49.2	49.2	49.2	51.9	49.2	51.9	49.2	49.2
62.5°	33.8	33.8	33.8	31.1	33.8	31.1	33.8	33.8	33.8	31.1	33.8
65°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
67.5°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
70°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
72.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	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: P212834

CATALOG NUMBER: LE\_6B40D010 EC6B30509730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2269.4	2243.5	2256.5	2282.4	2246.1	2277.2	2259.0	2227.9	2227.9	2251.2	2256.5
5°	2298.0	2279.8	2290.1	2313.5	2277.2	2308.4	2287.6	2256.5	2253.9	2277.2	2285.0
7.5°	2323.9	2305.8	2318.8	2342.0	2303.1	2334.2	2316.1	2282.4	2277.2	2300.5	2308.4
10°	2331.6	2316.1	2326.5	2352.4	2313.5	2342.0	2329.1	2292.8	2290.1	2308.4	2318.8
12.5°	2344.6	2331.6	2344.6	2370.6	2331.6	2360.2	2347.2	2310.9	2305.8	2329.1	2336.9
15°	2370.6	2357.6	2373.1	2396.5	2360.2	2383.5	2370.6	2334.2	2331.6	2349.9	2360.2
17.5°	2373.1	2362.8	2378.4	2396.5	2360.2	2383.5	2373.1	2334.2	2331.6	2352.4	2360.2
20°	2331.6	2331.6	2344.6	2362.8	2323.9	2347.2	2336.9	2298.0	2298.0	2316.1	2323.9
22.5°	2272.0	2274.6	2287.6	2303.1	2264.2	2287.6	2277.2	2238.2	2240.9	2256.5	2266.9
25°	2194.2	2199.4	2209.8	2225.4	2189.0	2209.8	2194.2	2163.1	2160.5	2178.6	2191.6
27.5°	2093.0	2100.9	2111.2	2124.1	2090.5	2106.0	2095.6	2064.5	2061.9	2080.1	2093.0
30°	1966.0	1976.4	1986.8	1994.5	1963.4	1979.0	1966.0	1937.5	1937.5	1953.0	1960.8
32.5°	1815.5	1825.9	1838.9	1844.1	1813.0	1831.1	1820.8	1789.6	1789.6	1805.1	1820.8
35°	1636.6	1654.8	1662.5	1670.2	1639.1	1649.5	1654.8	1613.2	1618.4	1631.4	1652.1
37.5°	1444.6	1460.2	1470.6	1475.8	1447.2	1457.6	1460.2	1423.9	1429.1	1439.5	1462.8
40°	1229.4	1247.5	1255.4	1257.9	1237.1	1245.0	1247.5	1211.2	1219.0	1226.8	1245.0
42.5°	1014.1	1016.8	1024.5	1029.6	1011.5	1014.1	1019.2	985.6	996.0	998.5	1016.8
45°	772.9	783.2	788.5	793.6	778.1	783.2	783.2	759.9	762.5	767.8	783.2
47.5°	557.6	565.4	570.6	575.8	562.9	568.0	568.0	544.6	552.5	555.0	565.4
50°	381.2	386.5	389.0	386.5	386.5	386.5	386.5	373.5	381.2	373.5	386.5
52.5°	249.0	251.6	256.8	256.8	249.0	254.1	254.1	243.8	246.4	246.4	254.1
55°	153.0	155.6	158.2	155.6	153.0	155.6	155.6	150.4	155.6	150.4	158.2
57.5°	88.1	90.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	85.6	90.8
60°	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	51.9
62.5°	31.1	33.8	33.8	33.8	33.8	33.8	33.8	31.1	33.8	33.8	33.8
65°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	28.5
67.5°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	23.4
70°	15.5	15.5	15.5	15.5	15.5	15.5	18.1	18.1	15.5	18.1	18.1
72.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	10.4
77.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	2.6	0.0	2.6
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: P212834

CATALOG NUMBER: LE\_6B40D010 EC6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2253.9	2233.1	2233.1	2209.8	2230.5	2233.1	2207.1	2199.4	2227.9	2196.8	2212.4
5°	2274.6	2253.9	2253.9	2230.5	2246.1	2246.1	2220.1	2207.1	2235.8	2204.6	2217.5
7.5°	2300.5	2277.2	2272.0	2248.6	2261.6	2264.2	2233.1	2215.0	2243.5	2207.1	2220.1
10°	2308.4	2282.4	2279.8	2256.5	2266.9	2269.4	2233.1	2217.5	2240.9	2202.0	2209.8
12.5°	2326.5	2298.0	2298.0	2274.6	2282.4	2282.4	2246.1	2225.4	2246.1	2207.1	2212.4
15°	2347.2	2316.1	2316.1	2292.8	2298.0	2300.5	2256.5	2235.8	2253.9	2212.4	2217.5
17.5°	2347.2	2313.5	2313.5	2292.8	2295.4	2292.8	2251.2	2227.9	2240.9	2196.8	2199.4
20°	2310.9	2277.2	2282.4	2259.0	2261.6	2259.0	2215.0	2191.6	2204.6	2157.9	2163.1
22.5°	2251.2	2220.1	2225.4	2204.6	2204.6	2202.0	2160.5	2137.1	2150.1	2103.4	2106.0
25°	2176.0	2144.9	2150.1	2129.4	2132.0	2132.0	2090.5	2064.5	2077.5	2036.0	2036.0
27.5°	2077.5	2046.4	2054.1	2041.1	2033.4	2036.0	1999.6	1973.8	1986.8	1947.9	1947.9
30°	1950.4	1924.5	1932.2	1921.9	1914.1	1914.1	1883.0	1857.0	1870.0	1836.2	1833.8
32.5°	1800.0	1779.2	1787.0	1779.2	1771.5	1779.2	1745.5	1719.6	1732.5	1706.6	1709.2
35°	1636.6	1615.9	1621.0	1613.2	1608.0	1613.2	1579.5	1561.4	1574.4	1548.4	1558.8
37.5°	1455.0	1418.8	1434.2	1429.1	1423.9	1426.5	1395.4	1382.4	1398.0	1382.4	1390.1
40°	1242.4	1216.4	1226.8	1221.6	1216.4	1229.4	1206.0	1187.9	1200.9	1190.5	1206.0
42.5°	1011.5	990.8	1003.8	1001.1	993.4	1008.9	990.8	977.8	998.5	993.4	1006.4
45°	778.1	762.5	772.9	772.9	770.2	783.2	765.1	767.8	788.5	796.2	811.8
47.5°	562.9	539.5	552.5	560.2	560.2	573.2	562.9	573.2	596.5	612.1	625.1
50°	383.9	378.6	381.2	383.9	389.0	399.4	396.9	412.4	428.0	453.9	469.5
52.5°	254.1	249.0	254.1	256.8	262.0	272.4	272.4	290.5	308.6	332.0	350.1
55°	158.2	155.6	158.2	160.8	166.0	176.4	179.0	197.1	215.2	238.6	254.1
57.5°	90.8	93.4	93.4	98.5	101.1	108.9	116.8	127.1	147.9	171.1	186.8
60°	51.9	51.9	54.5	57.0	59.6	67.4	72.6	83.0	98.5	121.9	132.2
62.5°	33.8	33.8	36.2	36.2	38.9	44.1	49.2	59.6	72.6	90.8	101.1
65°	28.5	28.5	28.5	31.1	31.1	36.2	41.5	49.2	59.6	72.6	83.0
67.5°	23.4	23.4	23.4	25.9	25.9	28.5	33.8	38.9	46.6	57.0	64.9
70°	18.1	18.1	18.1	20.8	20.8	23.4	25.9	28.5	36.2	44.1	49.2
72.5°	13.0	13.0	15.5	15.5	15.5	18.1	20.8	23.4	28.5	33.8	36.2
75°	10.4	10.4	10.4	10.4	13.0	13.0	15.5	18.1	20.8	23.4	25.9
77.5°	5.1	5.1	7.8	7.8	7.8	10.4	10.4	13.0	15.5	18.1	18.1
80°	5.1	5.1	5.1	5.1	5.1	7.8	7.8	7.8	10.4	13.0	13.0
82.5°	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1	7.8	7.8	7.8
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
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: P212834

CATALOG NUMBER: LE\_6B40D010 EC6B30509730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9	2227.9
2.5°	2194.2	2202.0	2202.0	2194.2	2173.5	2191.6	2209.8	2191.6	2215.0	2173.5	2173.5
5°	2194.2	2199.4	2196.8	2186.4	2165.6	2181.2	2194.2	2176.0	2194.2	2155.2	2152.8
7.5°	2199.4	2194.2	2189.0	2176.0	2150.1	2160.5	2173.5	2152.8	2170.9	2129.4	2124.1
10°	2189.0	2181.2	2170.9	2152.8	2124.1	2132.0	2139.8	2121.6	2134.5	2093.0	2090.5
12.5°	2189.0	2176.0	2160.5	2139.8	2108.6	2113.8	2121.6	2098.2	2108.6	2069.8	2064.5
15°	2194.2	2170.9	2152.8	2129.4	2095.6	2098.2	2103.4	2077.5	2087.9	2046.4	2043.8
17.5°	2176.0	2150.1	2132.0	2103.4	2067.1	2069.8	2069.8	2043.8	2051.5	2010.0	2007.5
20°	2137.1	2106.0	2085.2	2059.4	2020.4	2020.4	2020.4	1994.5	1999.6	1963.4	1958.2
22.5°	2082.6	2049.0	2028.2	2002.2	1966.0	1963.4	1960.8	1940.0	1940.0	1906.4	1898.5
25°	2010.0	1979.0	1958.2	1934.9	1898.5	1893.4	1893.4	1875.2	1872.6	1841.5	1836.2
27.5°	1927.1	1890.8	1872.6	1851.9	1818.1	1813.0	1810.4	1800.0	1794.8	1761.1	1758.5
30°	1815.5	1784.4	1768.9	1750.8	1719.6	1714.4	1711.8	1701.4	1698.9	1665.1	1665.1
32.5°	1696.2	1657.4	1647.0	1628.8	1605.5	1602.9	1605.5	1592.5	1582.1	1558.8	1553.6
35°	1553.6	1514.6	1506.9	1499.1	1481.0	1475.8	1473.1	1470.6	1457.6	1442.0	1434.2
37.5°	1387.6	1353.9	1353.9	1351.2	1338.2	1338.2	1338.2	1333.1	1320.1	1315.0	1299.4
40°	1208.6	1182.8	1185.2	1187.9	1182.8	1185.2	1187.9	1182.8	1172.4	1167.1	1154.1
42.5°	1016.8	1003.8	1014.1	1021.9	1021.9	1029.6	1034.9	1034.9	1021.9	1019.2	1008.9
45°	824.8	822.1	842.9	858.5	863.6	876.6	884.4	879.2	879.2	879.2	868.9
47.5°	645.9	656.2	674.4	705.5	715.9	731.4	736.6	744.4	741.8	744.4	736.6
50°	490.2	513.5	536.9	568.0	583.6	601.8	609.5	619.9	619.9	622.5	617.2
52.5°	370.9	389.0	428.0	448.8	466.9	485.0	495.4	505.8	508.4	508.4	503.1
55°	274.9	300.9	326.8	355.4	370.9	389.0	396.9	407.2	407.2	412.4	407.2
57.5°	199.8	225.6	254.1	274.9	293.1	306.0	313.9	321.6	326.8	326.8	324.2
60°	147.9	168.6	191.9	212.6	228.2	241.2	246.4	254.1	256.8	256.8	251.6
62.5°	111.5	132.2	153.0	171.1	181.5	191.9	197.1	202.2	202.2	202.2	199.8
65°	90.8	106.4	121.9	137.5	147.9	155.6	158.2	163.4	160.8	163.4	160.8
67.5°	72.6	83.0	96.0	106.4	114.1	119.2	121.9	127.1	124.5	127.1	124.5
70°	54.5	64.9	72.6	80.4	85.6	90.8	93.4	96.0	93.4	96.0	93.4
72.5°	41.5	46.6	54.5	62.2	64.9	67.4	70.0	70.0	70.0	72.6	70.0
75°	28.5	33.8	38.9	41.5	46.6	49.2	49.2	51.9	51.9	51.9	51.9
77.5°	20.8	23.4	25.9	28.5	31.1	33.8	33.8	36.2	36.2	36.2	36.2
80°	13.0	15.5	15.5	18.1	20.8	20.8	23.4	23.4	23.4	23.4	23.4
82.5°	7.8	10.4	10.4	13.0	13.0	13.0	15.5	15.5	15.5	15.5	15.5
85°	5.1	5.1	5.1	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	2.6	2.6
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: P212834

CATALOG NUMBER: LE\_6B40D010 EC6B30509730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	2227.9	2227.9	2227.9	2227.9
2.5°	2194.2	2181.2	2202.0	2170.9
5°	2170.9	2157.9	2183.9	2144.9
7.5°	2142.4	2129.4	2152.8	2113.8
10°	2106.0	2093.0	2113.8	2072.2
12.5°	2074.9	2061.9	2085.2	2046.4
15°	2051.5	2038.6	2059.4	2023.0
17.5°	2015.2	1999.6	2023.0	1984.1
20°	1963.4	1953.0	1971.1	1932.2
22.5°	1903.8	1893.4	1914.1	1875.2
25°	1841.5	1828.5	1849.2	1810.4
27.5°	1761.1	1750.8	1771.5	1732.5
30°	1665.1	1654.8	1675.5	1639.1
32.5°	1556.1	1545.8	1561.4	1530.2
35°	1431.6	1423.9	1439.5	1405.8
37.5°	1296.9	1289.0	1304.6	1270.9
40°	1151.6	1143.8	1156.8	1141.2
42.5°	1008.9	1001.1	1014.1	1001.1
45°	868.9	863.6	876.6	863.6
47.5°	739.1	734.0	747.0	734.0
50°	614.8	617.2	622.5	617.2
52.5°	503.1	503.1	511.0	503.1
55°	407.2	409.8	412.4	407.2
57.5°	324.2	324.2	326.8	324.2
60°	251.6	254.1	254.1	251.6
62.5°	199.8	199.8	199.8	199.8
65°	158.2	158.2	160.8	158.2
67.5°	124.5	121.9	124.5	121.9
70°	93.4	93.4	93.4	93.4
72.5°	72.6	72.6	70.0	70.0
75°	51.9	54.5	51.9	51.9
77.5°	36.2	36.2	36.2	36.2
80°	23.4	23.4	23.4	23.4
82.5°	15.5	15.5	15.5	15.5
85°	10.4	7.8	7.8	7.8
87.5°	5.1	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°

























(END OF REPORT)