

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: P212812

Luminaire Tested: **LE_6B30D010 EC6B30508040 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212812
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_6B30D010 EC6B30508040 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3656.0 lumens
Efficiency: N/A
Efficacy: 130.6 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

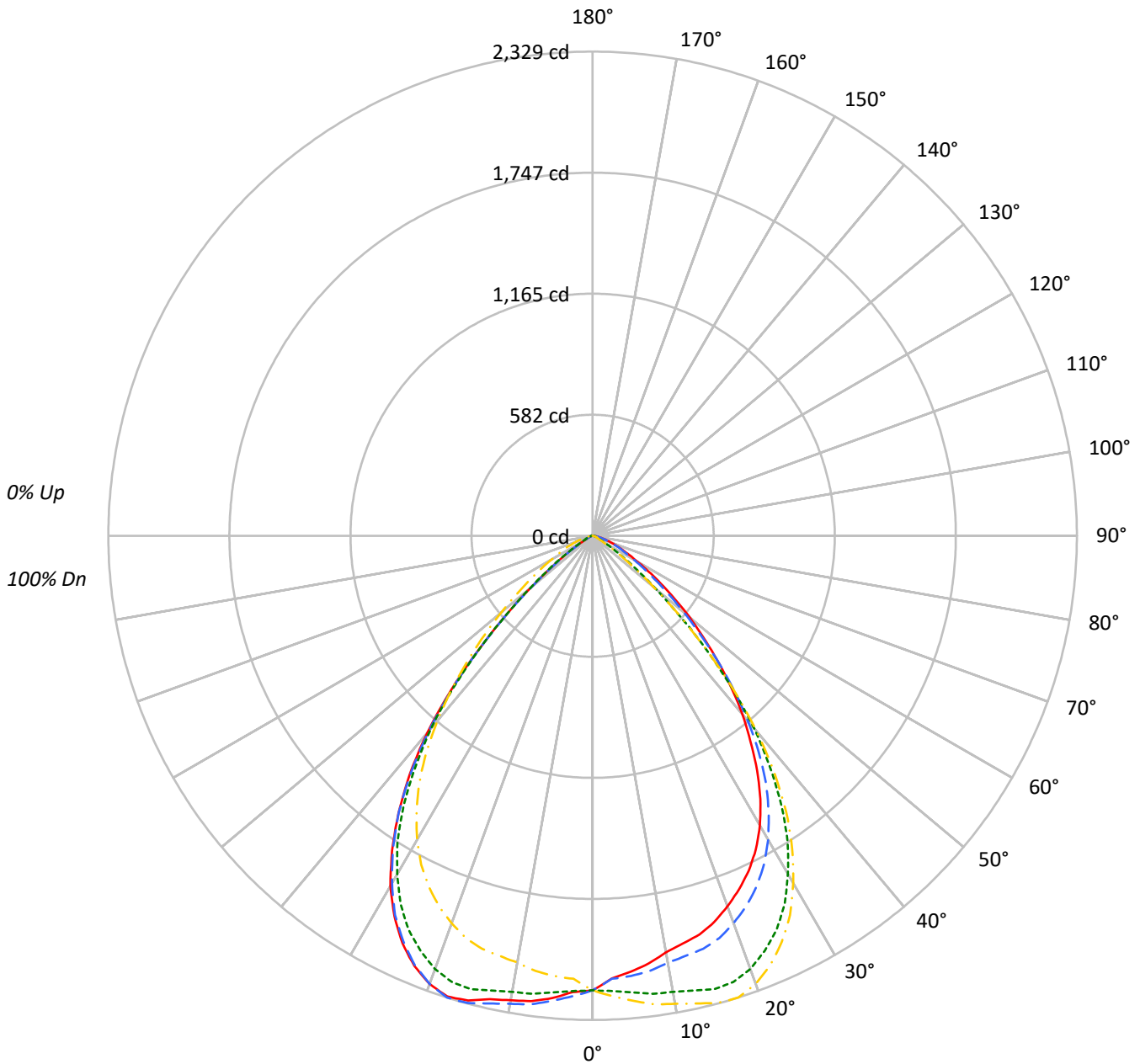
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

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	99	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°	119881	119881	119881	119881
5°	115848	121313	122854	121313
10°	113224	123990	126256	123990
15°	112691	128151	131329	128151
20°	110639	129348	133805	129348
25°	107480	126570	130883	126570
30°	101845	118917	123114	118917
35°	92340	105966	108857	105966
40°	80157	86347	88530	86347
45°	65728	59603	59998	59603
50°	51674	33432	32784	33432
55°	38192	16544	14833	16544
60°	27070	7247	5307	7247
65°	20132	4618	3308	4618
70°	14682	3670	2436	3670
75°	10781	2711	1610	2711
80°	7229	2399	789	2399
85°	4780	1572	1572	1572



TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	5.7
10°-20°	620.0	17.0
20°-30°	925.2	25.3
30°-40°	950.6	26.0
40°-50°	615.6	16.8
50°-60°	228.9	6.3
60°-70°	75.1	2.1
70°-80°	26.5	0.7
80°-90°	4.7	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°	1754.6	48.0
0°-40°	2705.2	74.0
0°-60°	3549.7	97.1
0°-90°	3656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3656.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2187	2187	2187	2187	2187	
5°	2105	2204	2232	2204	2105	199
15°	1986	2258	2314	2258	1986	558
25°	1777	2092	2164	2092	1777	814
35°	1380	1583	1627	1583	1380	857
45°	848	769	774	769	848	655
55°	400	173	155	173	400	364
65°	155	36	26	36	155	158
75°	51	13	8	13	51	56
85°	8	2	2	2	8	10
90°	0	0	0	0	0	



TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2130.8	2161.2	2140.9	2153.6	2133.2	2133.2	2174.0	2151.1	2168.9	2151.1	2133.2
5°	2105.2	2143.4	2118.0	2130.8	2112.9	2115.4	2153.6	2135.8	2153.6	2140.9	2125.6
7.5°	2074.8	2112.9	2090.0	2102.8	2084.9	2090.0	2130.8	2112.9	2133.2	2120.5	2110.4
10°	2034.0	2074.8	2054.4	2067.0	2051.8	2054.4	2095.1	2082.4	2100.1	2092.5	2084.9
12.5°	2008.5	2046.8	2023.8	2036.5	2026.4	2031.4	2069.6	2059.4	2082.4	2074.8	2069.6
15°	1985.6	2021.2	2000.9	2013.6	2006.0	2008.5	2049.2	2039.0	2064.5	2059.4	2056.9
17.5°	1947.4	1985.6	1962.8	1978.0	1970.4	1972.9	2013.6	2006.0	2031.4	2031.4	2028.9
20°	1896.5	1934.8	1916.9	1927.0	1922.0	1927.0	1962.8	1957.6	1983.0	1983.0	1983.0
22.5°	1840.5	1878.6	1858.4	1868.5	1863.4	1871.0	1904.1	1904.1	1924.5	1927.0	1929.6
25°	1776.9	1815.0	1794.6	1807.4	1802.4	1807.4	1838.0	1840.5	1858.4	1858.4	1863.4
27.5°	1700.5	1738.6	1718.2	1728.5	1726.0	1728.5	1761.6	1766.6	1776.9	1779.4	1784.5
30°	1608.9	1644.5	1624.1	1634.2	1634.2	1634.2	1667.4	1670.0	1680.1	1682.6	1687.8
32.5°	1501.9	1532.5	1517.2	1527.4	1524.9	1529.9	1552.9	1563.0	1575.8	1573.2	1575.8
35°	1379.8	1412.9	1397.5	1405.2	1407.8	1415.4	1430.6	1443.4	1445.9	1448.5	1453.5
37.5°	1247.4	1280.5	1265.1	1272.9	1275.4	1290.6	1295.8	1308.5	1313.5	1313.5	1313.5
40°	1120.1	1135.4	1122.6	1130.2	1132.8	1145.5	1150.6	1160.9	1165.9	1163.4	1160.9
42.5°	982.6	995.4	982.6	990.2	990.2	1000.4	1003.0	1015.8	1015.8	1010.6	1003.0
45°	847.8	860.4	847.8	852.8	852.8	863.0	863.0	863.0	868.1	860.4	847.8
47.5°	720.4	733.1	720.4	725.5	723.0	730.6	728.0	730.6	723.0	717.9	702.6
50°	605.9	611.0	605.9	603.4	605.9	611.0	608.4	608.4	598.2	590.6	572.8
52.5°	493.9	501.5	493.9	493.9	493.9	499.0	499.0	496.4	486.2	476.0	458.2
55°	399.6	404.8	402.2	399.6	399.6	404.8	399.6	399.6	389.5	381.9	364.0
57.5°	318.2	320.8	318.2	318.2	318.2	320.8	320.8	315.6	308.0	300.4	287.6
60°	246.9	249.5	249.5	246.9	246.9	252.0	252.0	249.5	241.9	236.8	224.0
62.5°	196.0	196.0	196.0	196.0	196.0	198.5	198.5	198.5	193.5	188.4	178.2
65°	155.2	157.9	155.2	155.2	157.9	160.4	157.9	160.4	155.2	152.8	145.1
67.5°	119.6	122.2	119.6	122.2	122.2	124.8	122.2	124.8	119.6	117.1	112.0
70°	91.6	91.6	91.6	91.6	91.6	94.2	91.6	94.2	91.6	89.1	84.0
72.5°	68.8	68.8	71.2	71.2	68.8	71.2	68.8	68.8	68.8	66.1	63.6
75°	50.9	50.9	53.5	50.9	50.9	50.9	50.9	50.9	48.4	48.4	45.9
77.5°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	33.1	33.1	30.5
80°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	20.4	20.4
82.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	12.8	12.8
85°	7.6	7.6	7.6	10.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	2.5	2.5	2.5	5.1	2.5	2.5	5.1	5.1	2.5	2.5	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



TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2153.6	2161.2	2161.2	2153.6	2171.4	2156.1	2186.8	2158.8	2166.4	2191.8	2189.2
5°	2146.0	2156.1	2158.8	2153.6	2176.5	2163.8	2194.4	2166.4	2179.1	2204.5	2204.5
7.5°	2135.8	2148.5	2153.6	2158.8	2179.1	2166.4	2202.0	2174.0	2191.8	2222.4	2219.8
10°	2112.9	2130.8	2140.9	2148.5	2168.9	2161.2	2199.4	2176.5	2191.8	2227.4	2224.9
12.5°	2100.1	2120.5	2135.8	2148.5	2171.4	2166.4	2204.5	2184.1	2204.5	2240.1	2240.1
15°	2090.0	2112.9	2130.8	2153.6	2176.5	2171.4	2212.1	2194.4	2214.8	2258.0	2255.5
17.5°	2064.5	2092.5	2110.4	2135.8	2158.8	2156.1	2199.4	2186.8	2209.6	2250.4	2252.9
20°	2021.2	2046.8	2067.0	2097.6	2123.1	2118.0	2163.8	2151.1	2174.0	2217.2	2219.8
22.5°	1965.2	1990.8	2011.0	2044.1	2067.0	2064.5	2110.4	2097.6	2120.5	2161.2	2163.8
25°	1899.0	1922.0	1942.4	1972.9	1998.4	1998.4	2039.0	2026.4	2051.8	2092.5	2092.5
27.5°	1817.6	1838.0	1855.8	1891.4	1911.8	1911.8	1950.0	1937.2	1962.8	1998.4	1995.8
30°	1718.2	1736.1	1751.4	1782.0	1799.8	1802.4	1835.4	1822.6	1848.1	1878.6	1878.6
32.5°	1598.6	1616.5	1626.6	1664.9	1677.6	1675.0	1700.5	1687.8	1713.2	1746.2	1738.6
35°	1471.4	1479.0	1486.6	1524.9	1529.9	1519.8	1545.2	1532.5	1550.2	1583.4	1578.2
37.5°	1326.2	1328.9	1328.9	1361.9	1364.5	1356.9	1372.1	1356.9	1369.5	1400.1	1397.5
40°	1165.9	1163.4	1160.9	1186.2	1183.8	1168.5	1178.6	1165.9	1183.8	1206.6	1193.9
42.5°	1003.0	995.4	985.1	997.9	987.8	975.0	980.1	959.8	972.4	990.2	975.0
45°	842.6	827.4	807.0	809.5	796.8	781.5	773.9	753.5	751.0	768.8	756.0
47.5°	692.4	661.9	644.0	633.9	613.5	600.8	585.5	562.6	552.4	562.6	549.9
50°	557.5	527.0	504.0	481.1	460.8	445.5	420.0	404.8	389.5	392.0	381.9
52.5°	440.4	420.0	381.9	364.0	343.6	325.9	302.9	285.1	267.2	267.2	257.1
55°	348.8	320.8	295.2	269.9	249.5	234.2	211.2	193.5	175.6	173.1	162.9
57.5°	269.9	249.5	221.5	196.0	183.2	168.0	145.1	124.8	114.5	106.9	99.2
60°	208.8	188.4	165.5	145.1	129.9	119.6	96.8	81.5	71.2	66.1	58.5
62.5°	168.0	150.2	129.9	109.5	99.2	89.1	71.2	58.5	48.4	43.2	38.1
65°	134.9	119.6	104.4	89.1	81.5	71.2	58.5	48.4	40.8	35.6	30.5
67.5°	104.4	94.2	81.5	71.2	63.6	56.0	45.9	38.1	33.1	28.0	25.5
70°	78.9	71.2	63.6	53.5	48.4	43.2	35.6	28.0	25.5	22.9	20.4
72.5°	61.1	53.5	45.9	40.8	35.6	33.1	28.0	22.9	20.4	17.9	15.2
75°	40.8	38.1	33.1	28.0	25.5	22.9	20.4	17.9	15.2	12.8	12.8
77.5°	28.0	25.5	22.9	20.4	17.9	17.9	15.2	12.8	10.1	10.1	7.6
80°	17.9	15.2	15.2	12.8	12.8	12.8	10.1	7.6	7.6	7.6	5.1
82.5°	12.8	10.1	10.1	7.6	7.6	7.6	7.6	5.1	5.1	5.1	2.5
85°	7.6	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	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: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2168.9	2191.8	2191.8	2212.1	2214.8	2209.6	2186.8	2186.8	2217.2	2235.1	2204.5
5°	2189.2	2212.1	2212.1	2232.5	2242.8	2235.1	2212.1	2214.8	2245.2	2265.6	2235.1
7.5°	2207.1	2230.0	2235.1	2258.0	2265.6	2258.0	2235.1	2240.1	2273.2	2291.1	2260.5
10°	2214.8	2237.6	2240.1	2265.6	2275.8	2265.6	2247.8	2250.4	2286.0	2298.8	2270.8
12.5°	2232.5	2255.5	2255.5	2283.5	2293.6	2286.0	2263.1	2268.1	2303.8	2316.5	2288.5
15°	2250.4	2273.2	2273.2	2303.8	2316.5	2306.4	2288.5	2291.1	2326.8	2339.5	2316.5
17.5°	2250.4	2270.8	2270.8	2303.8	2316.5	2308.9	2288.5	2291.1	2329.2	2339.5	2316.5
20°	2217.2	2240.1	2235.1	2268.1	2280.9	2273.2	2255.5	2255.5	2293.6	2303.8	2280.9
22.5°	2163.8	2184.1	2179.1	2209.6	2224.9	2214.8	2199.4	2196.9	2235.1	2245.2	2222.4
25°	2090.0	2110.4	2105.2	2135.8	2151.1	2138.4	2120.5	2123.1	2153.6	2168.9	2148.5
27.5°	2003.4	2016.1	2008.5	2039.0	2054.4	2041.6	2023.8	2026.4	2056.9	2067.0	2051.8
30°	1886.4	1896.5	1888.9	1914.4	1924.5	1916.9	1901.6	1901.6	1929.6	1942.4	1927.0
32.5°	1746.2	1754.0	1746.2	1766.6	1787.0	1771.8	1756.5	1756.5	1787.0	1797.2	1779.4
35°	1583.4	1591.0	1585.9	1606.2	1621.6	1601.2	1588.5	1583.4	1624.1	1619.0	1608.9
37.5°	1402.6	1407.8	1392.5	1428.1	1435.8	1412.9	1402.6	1397.5	1433.2	1430.6	1420.5
40°	1199.0	1204.1	1193.9	1219.4	1221.9	1204.1	1196.5	1188.9	1224.5	1221.9	1214.2
42.5°	982.6	985.1	972.4	992.8	997.9	980.1	977.5	967.4	1000.4	995.4	992.8
45°	758.6	758.6	748.4	763.8	768.8	753.5	748.4	745.9	768.8	768.8	763.8
47.5°	549.9	542.2	529.5	552.4	555.0	544.8	542.2	534.6	557.5	557.5	552.4
50°	376.8	374.2	371.6	376.8	379.2	366.6	374.2	366.6	379.2	379.2	379.2
52.5°	252.0	249.5	244.4	249.5	249.5	241.9	241.9	239.2	249.5	249.5	244.4
55°	157.9	155.2	152.8	155.2	155.2	147.6	152.8	147.6	152.8	152.8	150.2
57.5°	96.8	91.6	91.6	89.1	89.1	84.0	86.5	86.5	86.5	86.5	86.5
60°	56.0	53.5	50.9	50.9	50.9	48.4	48.4	48.4	48.4	48.4	48.4
62.5°	35.6	35.6	33.1	33.1	33.1	33.1	33.1	30.5	33.1	33.1	33.1
65°	30.5	28.0	28.0	28.0	28.0	25.5	25.5	25.5	25.5	25.5	25.5
67.5°	25.5	22.9	22.9	22.9	22.9	20.4	20.4	20.4	20.4	20.4	20.4
70°	20.4	17.9	17.9	17.9	17.9	17.9	15.2	17.9	17.9	15.2	15.2
72.5°	15.2	15.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
75°	10.1	10.1	10.1	10.1	10.1	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	7.6	7.6	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	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	2.5	2.5	0.0	2.5	0.0	2.5	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: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2240.1	2214.8	2202.0	2227.4	2237.6	2224.9	2214.8	2196.9	2214.8	2224.9	2237.6
5°	2270.8	2247.8	2237.6	2255.5	2270.8	2258.0	2250.4	2232.5	2250.4	2258.0	2270.8
7.5°	2298.8	2275.8	2263.1	2280.9	2298.8	2280.9	2273.2	2258.0	2273.2	2280.9	2298.8
10°	2308.9	2283.5	2273.2	2288.5	2306.4	2288.5	2278.4	2268.1	2278.4	2288.5	2306.4
12.5°	2326.8	2301.2	2288.5	2301.2	2319.1	2301.2	2291.1	2283.5	2291.1	2301.2	2319.1
15°	2352.1	2329.2	2314.0	2326.8	2349.6	2329.2	2316.5	2314.0	2316.5	2329.2	2349.6
17.5°	2352.1	2334.4	2319.1	2329.2	2352.1	2336.9	2319.1	2324.1	2319.1	2336.9	2352.1
20°	2319.1	2301.2	2288.5	2288.5	2321.6	2301.2	2286.0	2293.6	2286.0	2301.2	2321.6
22.5°	2260.5	2245.2	2232.5	2230.0	2263.1	2245.2	2224.9	2240.1	2224.9	2245.2	2263.1
25°	2184.1	2168.9	2158.8	2153.6	2186.8	2166.4	2148.5	2163.8	2148.5	2166.4	2186.8
27.5°	2084.9	2072.1	2062.0	2054.4	2084.9	2067.0	2049.2	2064.5	2049.2	2067.0	2084.9
30°	1957.6	1950.0	1939.8	1929.6	1960.1	1942.4	1924.5	1944.9	1924.5	1942.4	1960.1
32.5°	1810.0	1804.9	1792.1	1782.0	1812.5	1792.1	1779.4	1794.6	1779.4	1792.1	1812.5
35°	1639.4	1631.8	1624.1	1606.2	1639.4	1621.6	1621.6	1626.6	1621.6	1621.6	1639.4
37.5°	1448.5	1443.4	1433.2	1417.9	1445.9	1433.2	1428.1	1443.4	1428.1	1433.2	1445.9
40°	1234.6	1232.1	1224.5	1206.6	1237.1	1224.5	1216.9	1237.1	1216.9	1224.5	1237.1
42.5°	1010.6	1005.5	997.9	995.4	1010.6	1000.4	1008.1	1008.1	1008.1	1000.4	1010.6
45°	779.0	773.9	768.8	758.6	776.4	771.4	768.8	773.9	768.8	771.4	776.4
47.5°	565.1	560.0	555.0	547.4	565.1	557.5	557.5	562.6	557.5	557.5	565.1
50°	379.2	381.9	379.2	374.2	379.2	376.8	379.2	384.4	379.2	376.8	379.2
52.5°	252.0	252.0	246.9	244.4	249.5	246.9	254.6	249.5	254.6	246.9	249.5
55°	152.8	155.2	152.8	150.2	152.8	150.2	157.9	155.2	157.9	150.2	152.8
57.5°	86.5	86.5	89.1	86.5	91.6	89.1	89.1	89.1	89.1	89.1	91.6
60°	48.4	48.4	48.4	48.4	48.4	48.4	50.9	48.4	50.9	48.4	48.4
62.5°	33.1	33.1	33.1	30.5	33.1	30.5	33.1	33.1	33.1	30.5	33.1
65°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
67.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
70°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
72.5°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
75°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	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: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2227.4	2202.0	2214.8	2240.1	2204.5	2235.1	2217.2	2186.8	2186.8	2209.6	2214.8
5°	2255.5	2237.6	2247.8	2270.8	2235.1	2265.6	2245.2	2214.8	2212.1	2235.1	2242.8
7.5°	2280.9	2263.1	2275.8	2298.8	2260.5	2291.1	2273.2	2240.1	2235.1	2258.0	2265.6
10°	2288.5	2273.2	2283.5	2308.9	2270.8	2298.8	2286.0	2250.4	2247.8	2265.6	2275.8
12.5°	2301.2	2288.5	2301.2	2326.8	2288.5	2316.5	2303.8	2268.1	2263.1	2286.0	2293.6
15°	2326.8	2314.0	2329.2	2352.1	2316.5	2339.5	2326.8	2291.1	2288.5	2306.4	2316.5
17.5°	2329.2	2319.1	2334.4	2352.1	2316.5	2339.5	2329.2	2291.1	2288.5	2308.9	2316.5
20°	2288.5	2288.5	2301.2	2319.1	2280.9	2303.8	2293.6	2255.5	2255.5	2273.2	2280.9
22.5°	2230.0	2232.5	2245.2	2260.5	2222.4	2245.2	2235.1	2196.9	2199.4	2214.8	2224.9
25°	2153.6	2158.8	2168.9	2184.1	2148.5	2168.9	2153.6	2123.1	2120.5	2138.4	2151.1
27.5°	2054.4	2062.0	2072.1	2084.9	2051.8	2067.0	2056.9	2026.4	2023.8	2041.6	2054.4
30°	1929.6	1939.8	1950.0	1957.6	1927.0	1942.4	1929.6	1901.6	1901.6	1916.9	1924.5
32.5°	1782.0	1792.1	1804.9	1810.0	1779.4	1797.2	1787.0	1756.5	1756.5	1771.8	1787.0
35°	1606.2	1624.1	1631.8	1639.4	1608.9	1619.0	1624.1	1583.4	1588.5	1601.2	1621.6
37.5°	1417.9	1433.2	1443.4	1448.5	1420.5	1430.6	1433.2	1397.5	1402.6	1412.9	1435.8
40°	1206.6	1224.5	1232.1	1234.6	1214.2	1221.9	1224.5	1188.9	1196.5	1204.1	1221.9
42.5°	995.4	997.9	1005.5	1010.6	992.8	995.4	1000.4	967.4	977.5	980.1	997.9
45°	758.6	768.8	773.9	779.0	763.8	768.8	768.8	745.9	748.4	753.5	768.8
47.5°	547.4	555.0	560.0	565.1	552.4	557.5	557.5	534.6	542.2	544.8	555.0
50°	374.2	379.2	381.9	379.2	379.2	379.2	379.2	366.6	374.2	366.6	379.2
52.5°	244.4	246.9	252.0	252.0	244.4	249.5	249.5	239.2	241.9	241.9	249.5
55°	150.2	152.8	155.2	152.8	150.2	152.8	152.8	147.6	152.8	147.6	155.2
57.5°	86.5	89.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	84.0	89.1
60°	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	50.9
62.5°	30.5	33.1	33.1	33.1	33.1	33.1	33.1	30.5	33.1	33.1	33.1
65°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	28.0
67.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	22.9
70°	15.2	15.2	15.2	15.2	15.2	15.2	17.9	17.9	15.2	17.9	17.9
72.5°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
75°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.1
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.0	2.5
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: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2212.1	2191.8	2191.8	2168.9	2189.2	2191.8	2166.4	2158.8	2186.8	2156.1	2171.4
5°	2232.5	2212.1	2212.1	2189.2	2204.5	2204.5	2179.1	2166.4	2194.4	2163.8	2176.5
7.5°	2258.0	2235.1	2230.0	2207.1	2219.8	2222.4	2191.8	2174.0	2202.0	2166.4	2179.1
10°	2265.6	2240.1	2237.6	2214.8	2224.9	2227.4	2191.8	2176.5	2199.4	2161.2	2168.9
12.5°	2283.5	2255.5	2255.5	2232.5	2240.1	2240.1	2204.5	2184.1	2204.5	2166.4	2171.4
15°	2303.8	2273.2	2273.2	2250.4	2255.5	2258.0	2214.8	2194.4	2212.1	2171.4	2176.5
17.5°	2303.8	2270.8	2270.8	2250.4	2252.9	2250.4	2209.6	2186.8	2199.4	2156.1	2158.8
20°	2268.1	2235.1	2240.1	2217.2	2219.8	2217.2	2174.0	2151.1	2163.8	2118.0	2123.1
22.5°	2209.6	2179.1	2184.1	2163.8	2163.8	2161.2	2120.5	2097.6	2110.4	2064.5	2067.0
25°	2135.8	2105.2	2110.4	2090.0	2092.5	2092.5	2051.8	2026.4	2039.0	1998.4	1998.4
27.5°	2039.0	2008.5	2016.1	2003.4	1995.8	1998.4	1962.8	1937.2	1950.0	1911.8	1911.8
30°	1914.4	1888.9	1896.5	1886.4	1878.6	1878.6	1848.1	1822.6	1835.4	1802.4	1799.8
32.5°	1766.6	1746.2	1754.0	1746.2	1738.6	1746.2	1713.2	1687.8	1700.5	1675.0	1677.6
35°	1606.2	1585.9	1591.0	1583.4	1578.2	1583.4	1550.2	1532.5	1545.2	1519.8	1529.9
37.5°	1428.1	1392.5	1407.8	1402.6	1397.5	1400.1	1369.5	1356.9	1372.1	1356.9	1364.5
40°	1219.4	1193.9	1204.1	1199.0	1193.9	1206.6	1183.8	1165.9	1178.6	1168.5	1183.8
42.5°	992.8	972.4	985.1	982.6	975.0	990.2	972.4	959.8	980.1	975.0	987.8
45°	763.8	748.4	758.6	758.6	756.0	768.8	751.0	753.5	773.9	781.5	796.8
47.5°	552.4	529.5	542.2	549.9	549.9	562.6	552.4	562.6	585.5	600.8	613.5
50°	376.8	371.6	374.2	376.8	381.9	392.0	389.5	404.8	420.0	445.5	460.8
52.5°	249.5	244.4	249.5	252.0	257.1	267.2	267.2	285.1	302.9	325.9	343.6
55°	155.2	152.8	155.2	157.9	162.9	173.1	175.6	193.5	211.2	234.2	249.5
57.5°	89.1	91.6	91.6	96.8	99.2	106.9	114.5	124.8	145.1	168.0	183.2
60°	50.9	50.9	53.5	56.0	58.5	66.1	71.2	81.5	96.8	119.6	129.9
62.5°	33.1	33.1	35.6	35.6	38.1	43.2	48.4	58.5	71.2	89.1	99.2
65°	28.0	28.0	28.0	30.5	30.5	35.6	40.8	48.4	58.5	71.2	81.5
67.5°	22.9	22.9	22.9	25.5	25.5	28.0	33.1	38.1	45.9	56.0	63.6
70°	17.9	17.9	17.9	20.4	20.4	22.9	25.5	28.0	35.6	43.2	48.4
72.5°	12.8	12.8	15.2	15.2	15.2	17.9	20.4	22.9	28.0	33.1	35.6
75°	10.1	10.1	10.1	10.1	12.8	12.8	15.2	17.9	20.4	22.9	25.5
77.5°	5.1	5.1	7.6	7.6	7.6	10.1	10.1	12.8	15.2	17.9	17.9
80°	5.1	5.1	5.1	5.1	5.1	7.6	7.6	7.6	10.1	12.8	12.8
82.5°	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1	7.6	7.6	7.6
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	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



TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8	2186.8
2.5°	2153.6	2161.2	2161.2	2153.6	2133.2	2151.1	2168.9	2151.1	2174.0	2133.2	2133.2
5°	2153.6	2158.8	2156.1	2146.0	2125.6	2140.9	2153.6	2135.8	2153.6	2115.4	2112.9
7.5°	2158.8	2153.6	2148.5	2135.8	2110.4	2120.5	2133.2	2112.9	2130.8	2090.0	2084.9
10°	2148.5	2140.9	2130.8	2112.9	2084.9	2092.5	2100.1	2082.4	2095.1	2054.4	2051.8
12.5°	2148.5	2135.8	2120.5	2100.1	2069.6	2074.8	2082.4	2059.4	2069.6	2031.4	2026.4
15°	2153.6	2130.8	2112.9	2090.0	2056.9	2059.4	2064.5	2039.0	2049.2	2008.5	2006.0
17.5°	2135.8	2110.4	2092.5	2064.5	2028.9	2031.4	2031.4	2006.0	2013.6	1972.9	1970.4
20°	2097.6	2067.0	2046.8	2021.2	1983.0	1983.0	1983.0	1957.6	1962.8	1927.0	1922.0
22.5°	2044.1	2011.0	1990.8	1965.2	1929.6	1927.0	1924.5	1904.1	1904.1	1871.0	1863.4
25°	1972.9	1942.4	1922.0	1899.0	1863.4	1858.4	1858.4	1840.5	1838.0	1807.4	1802.4
27.5°	1891.4	1855.8	1838.0	1817.6	1784.5	1779.4	1776.9	1766.6	1761.6	1728.5	1726.0
30°	1782.0	1751.4	1736.1	1718.2	1687.8	1682.6	1680.1	1670.0	1667.4	1634.2	1634.2
32.5°	1664.9	1626.6	1616.5	1598.6	1575.8	1573.2	1575.8	1563.0	1552.9	1529.9	1524.9
35°	1524.9	1486.6	1479.0	1471.4	1453.5	1448.5	1445.9	1443.4	1430.6	1415.4	1407.8
37.5°	1361.9	1328.9	1328.9	1326.2	1313.5	1313.5	1313.5	1308.5	1295.8	1290.6	1275.4
40°	1186.2	1160.9	1163.4	1165.9	1160.9	1163.4	1165.9	1160.9	1150.6	1145.5	1132.8
42.5°	997.9	985.1	995.4	1003.0	1003.0	1010.6	1015.8	1015.8	1003.0	1000.4	990.2
45°	809.5	807.0	827.4	842.6	847.8	860.4	868.1	863.0	863.0	863.0	852.8
47.5°	633.9	644.0	661.9	692.4	702.6	717.9	723.0	730.6	728.0	730.6	723.0
50°	481.1	504.0	527.0	557.5	572.8	590.6	598.2	608.4	608.4	611.0	605.9
52.5°	364.0	381.9	420.0	440.4	458.2	476.0	486.2	496.4	499.0	499.0	493.9
55°	269.9	295.2	320.8	348.8	364.0	381.9	389.5	399.6	399.6	404.8	399.6
57.5°	196.0	221.5	249.5	269.9	287.6	300.4	308.0	315.6	320.8	320.8	318.2
60°	145.1	165.5	188.4	208.8	224.0	236.8	241.9	249.5	252.0	252.0	246.9
62.5°	109.5	129.9	150.2	168.0	178.2	188.4	193.5	198.5	198.5	198.5	196.0
65°	89.1	104.4	119.6	134.9	145.1	152.8	155.2	160.4	157.9	160.4	157.9
67.5°	71.2	81.5	94.2	104.4	112.0	117.1	119.6	124.8	122.2	124.8	122.2
70°	53.5	63.6	71.2	78.9	84.0	89.1	91.6	94.2	91.6	94.2	91.6
72.5°	40.8	45.9	53.5	61.1	63.6	66.1	68.8	68.8	68.8	71.2	68.8
75°	28.0	33.1	38.1	40.8	45.9	48.4	48.4	50.9	50.9	50.9	50.9
77.5°	20.4	22.9	25.5	28.0	30.5	33.1	33.1	35.6	35.6	35.6	35.6
80°	12.8	15.2	15.2	17.9	20.4	20.4	22.9	22.9	22.9	22.9	22.9
82.5°	7.6	10.1	10.1	12.8	12.8	12.8	15.2	15.2	15.2	15.2	15.2
85°	5.1	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.1	5.1	2.5	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



TEST NUMBER: P212812

CATALOG NUMBER: LE_6B30D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2186.8	2186.8	2186.8	2186.8
2.5°	2153.6	2140.9	2161.2	2130.8
5°	2130.8	2118.0	2143.4	2105.2
7.5°	2102.8	2090.0	2112.9	2074.8
10°	2067.0	2054.4	2074.8	2034.0
12.5°	2036.5	2023.8	2046.8	2008.5
15°	2013.6	2000.9	2021.2	1985.6
17.5°	1978.0	1962.8	1985.6	1947.4
20°	1927.0	1916.9	1934.8	1896.5
22.5°	1868.5	1858.4	1878.6	1840.5
25°	1807.4	1794.6	1815.0	1776.9
27.5°	1728.5	1718.2	1738.6	1700.5
30°	1634.2	1624.1	1644.5	1608.9
32.5°	1527.4	1517.2	1532.5	1501.9
35°	1405.2	1397.5	1412.9	1379.8
37.5°	1272.9	1265.1	1280.5	1247.4
40°	1130.2	1122.6	1135.4	1120.1
42.5°	990.2	982.6	995.4	982.6
45°	852.8	847.8	860.4	847.8
47.5°	725.5	720.4	733.1	720.4
50°	603.4	605.9	611.0	605.9
52.5°	493.9	493.9	501.5	493.9
55°	399.6	402.2	404.8	399.6
57.5°	318.2	318.2	320.8	318.2
60°	246.9	249.5	249.5	246.9
62.5°	196.0	196.0	196.0	196.0
65°	155.2	155.2	157.9	155.2
67.5°	122.2	119.6	122.2	119.6
70°	91.6	91.6	91.6	91.6
72.5°	71.2	71.2	68.8	68.8
75°	50.9	53.5	50.9	50.9
77.5°	35.6	35.6	35.6	35.6
80°	22.9	22.9	22.9	22.9
82.5°	15.2	15.2	15.2	15.2
85°	10.1	7.6	7.6	7.6
87.5°	5.1	2.5	2.5	2.5
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)