

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: CORELITE

Report Number: P#

Luminaire Tested: **44ID-80-L840-CFR2**

Issue Date: 9/24/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (13890049.01)
Test Lab: INNOVATION CENTER
Issue Date: 9/24/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 44ID-80-L840-CFR2
Description: 8000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 4000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

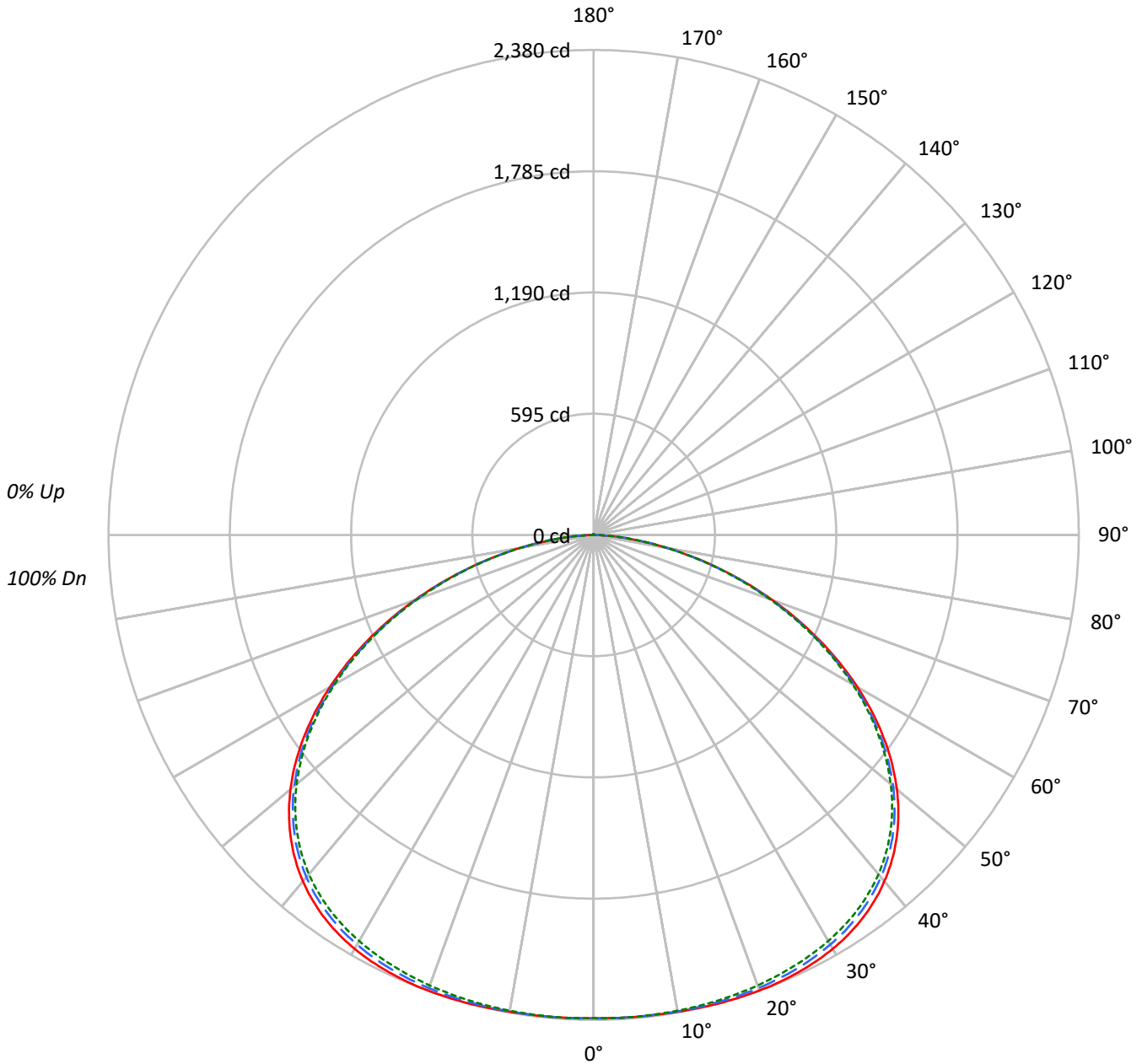
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8589.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57
Luminous Opening: Rectangular (W 3.88' x L: 3.88' x H: 0')
CIE Type: Direct

Input Watts (W): 63.4
Input Voltage (V):
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

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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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	82								
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68								
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	63	58	56								
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47								
5	74	61	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35								
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30								
8	58	44	36	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27								
9	54	41	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24								
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1693	1693	1693
5°	1701	1701	1701
10°	1723	1721	1719
15°	1759	1754	1748
20°	1807	1798	1788
25°	1867	1852	1837
30°	1933	1914	1897
35°	2003	1980	1962
40°	2068	2043	2026
45°	2122	2096	2078
50°	2156	2130	2113
55°	2163	2136	2121
60°	2135	2108	2096
65°	2065	2042	2032
70°	1947	1926	1917
75°	1763	1752	1744
80°	1500	1505	1489
85°	1117	1144	1143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	2.6
10°-20°	672.3	7.8
20°-30°	1086.8	12.7
30°-40°	1423.5	16.6
40°-50°	1601.2	18.6
50°-60°	1532.2	17.8
60°-70°	1195.0	13.9
70°-80°	673.4	7.8
80°-90°	166.6	1.9
90°-100°	0.6	0.0
100°-110°	1.0	0.0
110°-120°	1.8	0.0
120°-130°	2.7	0.0
130°-140°	2.2	0.0
140°-150°	1.3	0.0
150°-160°	1.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1985.8	23.1
0°-40°	3409.3	39.7
0°-60°	6542.6	76.2
0°-90°	8577.6	99.9
90°-120°	3.3	0.0
90°-150°	9.5	0.1
90°-180°	11.0	0.1
0°-180°	8589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2372	2372	2372	2372	2372	
5°	2374	2375	2374	2374	2374	227
15°	2380	2379	2373	2368	2365	674
25°	2370	2366	2351	2338	2333	1095
35°	2298	2290	2271	2258	2251	1439
45°	2102	2093	2076	2066	2058	1619
55°	1738	1729	1716	1709	1704	1549
65°	1222	1218	1209	1205	1203	1207
75°	639	639	635	634	632	678
85°	136	138	140	141	140	158
90°	1	1	1	1	1	7
95°	0	0	0	0	1	1
105°	1	1	1	1	1	1
115°	2	2	2	2	2	2
125°	3	3	3	3	3	3
135°	3	3	3	3	3	2
145°	2	2	2	2	2	1
155°	2	2	2	2	2	1
165°	2	2	2	2	2	1
175°	3	3	3	3	3	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2372.0	2372.0	2372.0	2372.0	2372.0
0.5°	2371.5	2373.2	2373.8	2373.2	2372.0
1°	2372.0	2373.2	2373.8	2373.8	2372.6
1.5°	2372.6	2373.8	2373.8	2373.8	2373.2
2°	2372.6	2373.8	2373.8	2374.3	2373.2
2.5°	2373.2	2374.3	2374.3	2374.3	2373.2
3°	2373.8	2374.3	2374.3	2374.3	2373.8
3.5°	2373.8	2374.3	2374.3	2374.3	2373.8
4°	2374.3	2374.3	2374.3	2374.3	2373.8
4.5°	2374.3	2374.9	2374.3	2374.3	2373.8
5°	2374.3	2374.9	2374.3	2374.3	2373.8
5.5°	2374.3	2374.9	2374.3	2374.3	2373.8
6°	2374.9	2374.9	2374.3	2374.3	2373.2
6.5°	2374.9	2375.5	2374.9	2374.3	2373.2
7°	2374.9	2375.5	2374.3	2374.3	2373.2
7.5°	2374.9	2375.5	2374.3	2373.8	2372.6
8°	2375.5	2375.5	2374.9	2373.8	2372.6
8.5°	2375.5	2376.1	2374.3	2373.8	2372.0
9°	2376.1	2376.1	2374.9	2373.2	2372.0
9.5°	2376.1	2376.7	2374.3	2373.2	2371.5
10°	2376.7	2376.7	2374.3	2372.6	2370.9
10.5°	2377.2	2377.2	2374.3	2372.6	2370.9
11°	2377.2	2377.2	2374.3	2372.0	2370.3
11.5°	2377.8	2377.8	2374.3	2371.5	2369.7
12°	2377.8	2377.8	2374.3	2371.5	2369.1
12.5°	2378.4	2377.8	2373.8	2370.9	2368.6
13°	2378.4	2377.8	2373.8	2370.3	2368.0
13.5°	2379.0	2378.4	2373.8	2369.7	2367.4
14°	2379.0	2378.4	2373.8	2369.1	2366.2
14.5°	2379.6	2378.4	2373.2	2368.6	2365.7
15°	2379.6	2379.0	2373.2	2368.0	2365.1
15.5°	2380.1	2379.0	2372.6	2366.8	2363.9
16°	2379.6	2379.0	2372.0	2366.2	2362.8
16.5°	2380.1	2379.0	2372.0	2365.1	2361.6
17°	2380.1	2378.4	2371.5	2363.9	2361.0
17.5°	2380.1	2378.4	2370.3	2363.4	2359.9
18°	2380.1	2378.4	2369.7	2362.2	2358.1
18.5°	2380.1	2377.8	2369.1	2361.0	2357.0
19°	2379.6	2377.8	2368.6	2359.9	2355.8
19.5°	2379.6	2377.2	2367.4	2358.1	2354.1
20°	2379.0	2376.7	2366.2	2357.0	2352.9
20.5°	2378.4	2376.1	2365.7	2355.8	2351.2
21°	2378.4	2375.5	2364.5	2354.1	2349.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	2376.1	2372.6	2360.5	2348.9	2343.7
23°	2374.9	2371.5	2358.7	2347.2	2341.9
23.5°	2373.8	2370.3	2357.0	2344.8	2339.6
24°	2372.6	2369.1	2355.3	2342.5	2337.3
24.5°	2371.5	2367.4	2353.5	2340.2	2335.0
25°	2369.7	2365.7	2351.2	2337.9	2332.7
25.5°	2368.0	2363.9	2348.9	2335.6	2329.8
26°	2366.2	2362.2	2346.6	2333.3	2327.5
26.5°	2364.5	2359.9	2344.3	2330.4	2324.6
27°	2362.2	2357.6	2341.4	2327.5	2321.7
27.5°	2359.9	2355.3	2338.5	2324.6	2318.8
28°	2357.6	2352.4	2335.6	2321.7	2315.9
28.5°	2354.7	2349.5	2332.7	2318.2	2312.4
29°	2351.8	2346.6	2329.2	2314.8	2309.0
29.5°	2348.9	2343.1	2325.7	2311.3	2304.9
30°	2345.4	2339.6	2321.7	2307.2	2300.9
30.5°	2341.9	2336.2	2317.6	2303.2	2297.4
31°	2337.9	2332.1	2313.6	2299.1	2292.8
31.5°	2334.4	2328.1	2309.0	2295.1	2288.7
32°	2329.8	2323.4	2304.9	2290.5	2284.1
32.5°	2325.2	2318.8	2299.7	2285.3	2278.9
33°	2320.5	2313.6	2294.5	2280.6	2273.7
33.5°	2315.3	2308.4	2289.3	2275.4	2268.5
34°	2309.5	2302.6	2283.5	2269.6	2263.3
34.5°	2303.8	2296.8	2277.7	2263.8	2257.5
35°	2298.0	2290.5	2271.4	2257.5	2251.1
35.5°	2291.6	2284.1	2265.0	2251.1	2244.8
36°	2285.3	2277.2	2258.1	2244.8	2237.8
36.5°	2277.7	2270.2	2251.1	2237.8	2231.4
37°	2270.2	2262.7	2243.6	2230.3	2223.9
37.5°	2262.7	2254.6	2236.1	2222.8	2215.8
38°	2254.6	2247.1	2228.0	2215.2	2208.3
38.5°	2246.5	2238.4	2219.3	2206.6	2200.2
39°	2237.8	2229.1	2210.6	2198.5	2191.5
39.5°	2228.6	2219.9	2201.9	2189.2	2182.8
40°	2218.7	2210.6	2192.1	2180.0	2173.6
40.5°	2209.5	2200.8	2182.3	2170.7	2163.8
41°	2199.0	2190.4	2172.4	2160.3	2153.3
41.5°	2188.1	2179.4	2161.4	2149.9	2142.9
42°	2177.1	2168.4	2150.4	2139.5	2131.9
42.5°	2165.5	2156.8	2138.9	2127.9	2120.9
43°	2153.9	2144.7	2127.3	2116.3	2109.4
43.5°	2141.8	2132.5	2115.2	2104.2	2097.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	2101.9	2092.6	2075.8	2066.0	2058.5
45.5°	2088.0	2078.1	2061.9	2052.1	2045.2
46°	2073.5	2063.7	2047.5	2037.6	2030.7
46.5°	2058.5	2048.6	2033.0	2023.2	2016.2
47°	2042.8	2033.6	2017.4	2008.7	2001.2
47.5°	2027.2	2017.4	2001.8	1993.1	1985.6
48°	2011.6	2001.2	1986.1	1976.9	1969.4
48.5°	1994.8	1985.0	1969.9	1961.3	1954.3
49°	1976.9	1967.6	1952.6	1943.3	1937.0
49.5°	1959.5	1950.3	1935.2	1926.6	1919.6
50°	1941.6	1931.8	1917.9	1909.2	1902.3
50.5°	1923.1	1913.2	1899.4	1890.7	1884.3
51°	1904.6	1894.7	1880.8	1872.2	1865.2
51.5°	1884.9	1875.1	1861.2	1853.1	1846.7
52°	1865.2	1855.4	1841.5	1834.0	1827.6
52.5°	1845.6	1835.7	1821.8	1813.7	1808.0
53°	1824.2	1814.9	1802.2	1794.6	1788.3
53.5°	1802.7	1793.5	1780.8	1773.2	1767.5
54°	1781.3	1772.1	1759.4	1751.8	1746.6
54.5°	1760.5	1750.7	1738.5	1731.0	1725.8
55°	1737.9	1728.7	1716.5	1709.0	1703.8
55.5°	1715.4	1706.1	1694.0	1686.5	1681.8
56°	1691.7	1683.0	1670.8	1664.5	1659.8
56.5°	1667.9	1659.8	1647.7	1641.3	1636.7
57°	1644.8	1636.1	1624.6	1618.8	1614.1
57.5°	1621.7	1612.4	1600.8	1595.0	1590.4
58°	1596.2	1587.5	1576.5	1570.7	1566.7
58.5°	1571.3	1563.2	1551.7	1546.4	1542.4
59°	1546.4	1538.3	1527.4	1522.2	1518.1
59.5°	1520.4	1512.9	1501.9	1496.7	1492.6
60°	1495.0	1486.9	1476.4	1471.8	1467.8
60.5°	1468.9	1462.0	1451.0	1446.4	1442.3
61°	1442.3	1435.4	1425.0	1420.3	1416.3
61.5°	1415.1	1409.3	1398.9	1394.3	1390.8
62°	1388.5	1382.7	1372.3	1368.3	1364.8
62.5°	1361.3	1355.5	1345.1	1341.1	1337.6
63°	1334.1	1328.3	1318.5	1314.5	1311.0
63.5°	1306.4	1300.6	1291.3	1287.3	1283.8
64°	1278.6	1272.8	1263.0	1260.1	1256.0
64.5°	1250.8	1245.0	1235.2	1232.3	1228.8
65°	1222.5	1217.8	1208.6	1205.1	1202.8
65.5°	1194.7	1188.9	1180.2	1177.3	1173.9
66°	1165.2	1160.6	1151.9	1149.0	1146.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1079.6	1074.4	1066.8	1063.9	1061.1
68°	1050.1	1045.4	1037.9	1035.6	1032.7
68.5°	1020.6	1015.9	1008.4	1006.7	1004.9
69°	991.0	986.4	980.1	978.3	976.0
69.5°	962.1	957.5	951.7	950.0	947.1
70°	932.6	928.6	922.8	921.0	918.2
70.5°	903.1	899.1	893.9	892.1	889.2
71°	873.6	870.1	865.5	863.2	860.3
71.5°	844.7	841.2	836.0	834.3	831.9
72°	815.2	812.3	807.1	805.9	803.0
72.5°	785.7	783.3	778.1	777.0	774.7
73°	756.2	753.8	748.6	747.5	745.7
73.5°	727.2	724.9	720.3	718.6	716.8
74°	698.3	696.6	691.9	690.8	688.5
74.5°	668.8	667.6	663.6	661.9	660.1
75°	639.3	639.3	635.2	634.1	632.3
75.5°	610.9	610.9	606.9	605.7	604.0
76°	582.6	582.6	578.5	577.4	575.1
76.5°	554.0	554.2	550.8	549.6	547.7
77°	526.5	526.8	523.7	522.1	520.2
77.5°	497.2	498.6	496.0	494.7	492.7
78°	469.8	471.6	469.0	467.9	466.2
78.5°	444.0	445.1	443.5	442.1	439.9
79°	417.0	417.9	416.8	415.6	413.4
79.5°	390.4	391.8	391.1	390.1	387.5
80°	364.9	365.9	366.1	364.5	362.2
80.5°	338.0	340.2	340.5	339.0	337.8
81°	313.2	315.2	315.8	314.9	313.3
81.5°	288.8	291.2	291.7	291.2	289.1
82°	264.3	267.2	268.1	267.7	265.4
82.5°	241.0	244.2	245.1	244.8	242.6
83°	218.3	221.8	222.7	223.0	221.0
83.5°	196.4	199.7	200.8	201.2	199.0
84°	175.3	178.3	179.7	180.3	178.5
84.5°	155.3	157.7	159.4	160.1	159.3
85°	136.4	138.2	139.7	140.8	139.5
85.5°	118.1	119.5	120.7	122.3	121.3
86°	101.1	102.5	103.3	104.6	104.6
86.5°	84.9	85.6	86.2	87.7	87.7
87°	69.4	69.5	69.7	71.6	71.7
87.5°	53.6	54.0	54.3	55.9	56.5
88°	37.8	39.1	39.5	41.0	40.9
88.5°	26.7	26.7	26.7	28.2	28.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	1.3	1.2	1.3	1.3	1.2
90.5°	0.4	0.3	0.4	0.5	0.4
91°	0.4	0.3	0.3	0.4	0.3
91.5°	0.5	0.4	0.5	0.3	0.3
92°	0.4	0.4	0.4	0.5	0.4
92.5°	0.5	0.4	0.4	0.5	0.4
93°	0.5	0.5	0.5	0.4	0.3
93.5°	0.5	0.4	0.5	0.5	0.5
94°	0.5	0.5	0.5	0.5	0.6
94.5°	0.5	0.5	0.5	0.5	0.5
95°	0.5	0.4	0.5	0.5	0.6
95.5°	0.5	0.5	0.6	0.5	0.6
96°	0.6	0.6	0.5	0.5	0.6
96.5°	0.6	0.6	0.6	0.5	0.6
97°	0.6	0.6	0.6	0.5	0.7
97.5°	0.7	0.6	0.6	0.5	0.7
98°	0.8	0.6	0.6	0.6	0.8
98.5°	0.8	0.6	0.6	0.6	0.7
99°	0.7	0.7	0.6	0.6	0.6
99.5°	0.8	0.6	0.7	0.6	0.6
100°	0.8	0.7	0.7	0.7	0.8
100.5°	0.8	0.8	0.7	0.8	0.8
101°	0.8	0.7	0.7	0.7	0.7
101.5°	0.9	0.7	0.8	0.8	0.8
102°	0.9	0.8	0.8	0.8	0.8
102.5°	0.8	0.8	0.8	0.8	0.8
103°	0.8	0.7	0.8	0.8	0.8
103.5°	0.9	0.9	0.8	0.8	0.8
104°	1.0	0.9	0.9	0.8	0.8
104.5°	0.9	0.9	0.9	0.9	0.8
105°	1.0	0.9	0.9	1.0	1.0
105.5°	1.0	0.8	0.9	0.9	0.9
106°	0.9	0.9	1.0	1.0	1.0
106.5°	1.0	0.9	1.0	0.9	0.9
107°	1.0	1.0	1.0	1.0	0.9
107.5°	1.1	1.0	1.0	1.1	1.0
108°	1.1	1.0	0.9	1.1	1.0
108.5°	1.1	1.1	1.1	1.0	1.0
109°	1.2	1.1	1.1	1.1	1.2
109.5°	1.2	1.0	1.2	1.2	1.0
110°	1.2	1.2	1.2	1.2	1.2
110.5°	1.2	1.2	1.2	1.2	1.3
111°	1.2	1.3	1.3	1.3	1.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.4	1.5	1.4	1.3
113°	1.6	1.4	1.4	1.4	1.4
113.5°	1.6	1.6	1.6	1.6	1.6
114°	1.6	1.6	1.7	1.7	1.6
114.5°	1.7	1.7	1.7	1.7	1.6
115°	1.7	1.7	1.7	1.7	1.7
115.5°	1.9	1.7	1.9	1.8	1.7
116°	1.9	1.9	1.9	1.9	1.8
116.5°	2.0	2.0	2.0	2.0	1.9
117°	2.1	2.1	2.1	2.1	1.9
117.5°	2.2	2.1	2.1	2.1	2.0
118°	2.2	2.1	2.3	2.1	2.0
118.5°	2.4	2.3	2.3	2.2	2.1
119°	2.4	2.4	2.4	2.3	2.3
119.5°	2.4	2.4	2.4	2.4	2.3
120°	2.5	2.5	2.5	2.4	2.5
120.5°	2.6	2.5	2.6	2.5	2.5
121°	2.6	2.6	2.6	2.6	2.5
121.5°	2.9	2.8	2.7	2.6	2.6
122°	2.7	2.9	2.8	2.7	2.8
122.5°	3.0	2.9	2.8	2.8	2.7
123°	3.0	3.0	2.9	2.9	2.8
123.5°	3.0	3.1	3.0	2.8	3.0
124°	3.1	3.1	3.1	3.0	3.0
124.5°	3.2	3.1	3.1	3.0	3.0
125°	3.4	3.2	3.2	3.1	3.1
125.5°	3.4	3.3	3.2	3.1	3.2
126°	3.4	3.2	3.2	3.2	3.1
126.5°	3.2	3.3	3.4	3.2	3.2
127°	3.4	3.4	3.2	3.2	3.1
127.5°	3.5	3.4	3.4	3.2	3.1
128°	3.5	3.3	3.3	3.2	3.2
128.5°	3.4	3.4	3.2	3.1	3.2
129°	3.3	3.3	3.2	3.2	3.1
129.5°	3.2	3.3	3.2	3.2	3.2
130°	3.2	3.3	3.2	3.1	3.1
130.5°	3.4	3.2	3.2	3.0	3.1
131°	3.2	3.2	3.2	3.0	3.1
131.5°	3.2	3.1	3.0	3.0	3.0
132°	3.2	3.1	3.1	3.0	3.0
132.5°	3.2	3.1	3.0	3.0	3.0
133°	3.1	3.0	3.0	2.8	2.9
133.5°	3.1	3.0	2.8	2.7	2.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	3.0	2.8	2.7	2.7	2.9
135.5°	2.8	2.9	2.7	2.6	2.8
136°	2.8	2.7	2.6	2.5	2.8
136.5°	2.8	2.7	2.6	2.5	2.7
137°	2.8	2.7	2.6	2.5	2.7
137.5°	2.7	2.6	2.5	2.4	2.5
138°	2.7	2.5	2.4	2.4	2.5
138.5°	2.7	2.5	2.5	2.3	2.5
139°	2.4	2.5	2.4	2.2	2.5
139.5°	2.5	2.4	2.3	2.3	2.5
140°	2.5	2.3	2.4	2.2	2.3
140.5°	2.5	2.3	2.3	2.2	2.3
141°	2.4	2.3	2.3	2.1	2.2
141.5°	2.2	2.3	2.3	2.1	2.2
142°	2.1	2.1	2.3	2.1	2.0
142.5°	2.1	2.3	2.2	2.1	2.0
143°	2.3	2.2	2.2	2.1	2.0
143.5°	2.3	2.2	2.2	2.0	2.0
144°	2.3	2.1	2.3	2.0	2.1
144.5°	2.1	2.1	2.1	2.0	2.1
145°	2.2	2.1	2.1	1.9	2.1
145.5°	2.1	2.0	2.1	1.9	2.2
146°	2.1	2.0	2.0	1.9	2.1
146.5°	2.2	2.0	2.0	1.9	2.1
147°	2.1	2.0	1.9	2.0	2.0
147.5°	2.1	2.0	1.9	2.0	2.1
148°	2.1	2.0	2.0	1.9	2.1
148.5°	2.2	2.1	2.0	1.9	2.1
149°	2.1	2.0	2.0	1.9	2.1
149.5°	2.3	2.0	2.0	1.9	2.2
150°	2.2	2.1	2.0	1.9	2.1
150.5°	2.1	2.0	2.0	2.0	2.1
151°	2.3	2.0	1.9	2.0	2.3
151.5°	2.2	2.1	1.9	2.0	2.3
152°	2.3	2.1	2.0	2.1	2.1
152.5°	2.3	2.1	2.0	2.0	2.3
153°	2.2	2.1	2.0	2.1	2.3
153.5°	2.4	2.1	2.0	2.1	2.3
154°	2.3	2.1	2.1	2.1	2.3
154.5°	2.3	2.1	2.1	2.2	2.3
155°	2.1	2.1	2.1	2.2	2.4
155.5°	2.3	2.1	2.1	2.1	2.3
156°	2.1	2.1	2.1	2.1	2.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	2.1	2.0	2.1	2.2	2.3
158°	2.3	2.1	2.1	2.1	2.3
158.5°	2.2	2.1	2.0	2.1	2.3
159°	2.3	2.1	2.1	2.1	2.4
159.5°	2.2	2.1	2.1	2.1	2.4
160°	2.2	2.1	2.0	2.1	2.3
160.5°	2.1	2.1	2.1	2.2	2.3
161°	2.1	2.1	2.1	2.2	2.3
161.5°	2.2	2.1	2.1	2.1	2.2
162°	2.1	2.1	2.1	2.2	2.2
162.5°	2.3	2.2	2.1	2.1	2.3
163°	2.3	2.1	2.2	2.2	2.2
163.5°	2.2	2.1	2.2	2.2	2.4
164°	2.1	2.2	2.1	2.3	2.3
164.5°	2.1	2.3	2.2	2.3	2.4
165°	2.1	2.1	2.1	2.3	2.3
165.5°	2.0	2.1	2.1	2.4	2.3
166°	2.2	2.2	2.1	2.3	2.3
166.5°	2.2	2.1	2.1	2.4	2.1
167°	2.1	2.3	2.1	2.4	2.4
167.5°	2.2	2.3	2.2	2.5	2.4
168°	2.3	2.3	2.1	2.4	2.3
168.5°	2.2	2.4	2.3	2.6	2.4
169°	2.4	2.3	2.1	2.6	2.4
169.5°	2.3	2.3	2.2	2.5	2.4
170°	2.4	2.3	2.3	2.6	2.4
170.5°	2.4	2.4	2.3	2.6	2.5
171°	2.4	2.4	2.4	2.6	2.5
171.5°	2.3	2.4	2.4	2.7	2.4
172°	2.3	2.4	2.4	2.7	2.5
172.5°	2.4	2.4	2.5	2.7	2.5
173°	2.3	2.3	2.5	2.7	2.5
173.5°	2.5	2.4	2.5	2.6	2.6
174°	2.5	2.5	2.7	2.7	2.5
174.5°	2.5	2.7	2.7	2.8	2.7
175°	2.7	2.7	2.7	2.8	2.6
175.5°	2.7	2.7	2.8	2.7	2.7
176°	2.8	2.8	2.7	2.7	2.7
176.5°	2.9	2.7	2.8	2.5	2.7
177°	2.8	2.7	2.6	2.5	2.7
177.5°	2.8	2.7	2.5	2.5	2.7
178°	2.7	2.6	2.5	2.5	2.5
178.5°	2.6	2.5	2.4	2.4	2.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-80-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3



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— 0°-180° - - 45°-225° - - - - 90°-270°







21.5°	2377.8	2374.9	2363.4	2352.4	2347.7
22°	2376.7	2373.8	2361.6	2350.6	2346.0



44°	2128.5	2119.8	2102.4	2092.0	2085.1
44.5°	2115.2	2105.9	2089.7	2078.7	2071.8



66.5°	1136.8	1132.2	1123.5	1120.6	1117.7
67°	1108.5	1103.3	1095.2	1092.3	1090.0



89°	16.9	16.6	16.4	17.3	17.5
89.5°	7.5	7.6	7.4	7.9	7.8



111.5°	1.4	1.3	1.3	1.3	1.3
112°	1.4	1.3	1.3	1.3	1.4



134°	3.0	2.9	2.8	2.8	3.0
134.5°	3.0	2.8	2.8	2.7	2.8



156.5°	2.3	2.1	2.1	2.2	2.3
157°	2.2	2.1	2.1	2.1	2.3



179°	2.5	2.4	2.3	2.4	2.5
179.5°	2.2	2.3	2.3	2.2	2.4



(END OF REPORT)