

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-90-L830-CFD2**

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-90-L830-CFD2  
Description: 9000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS  
AND 3000K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No.   Condition   Description

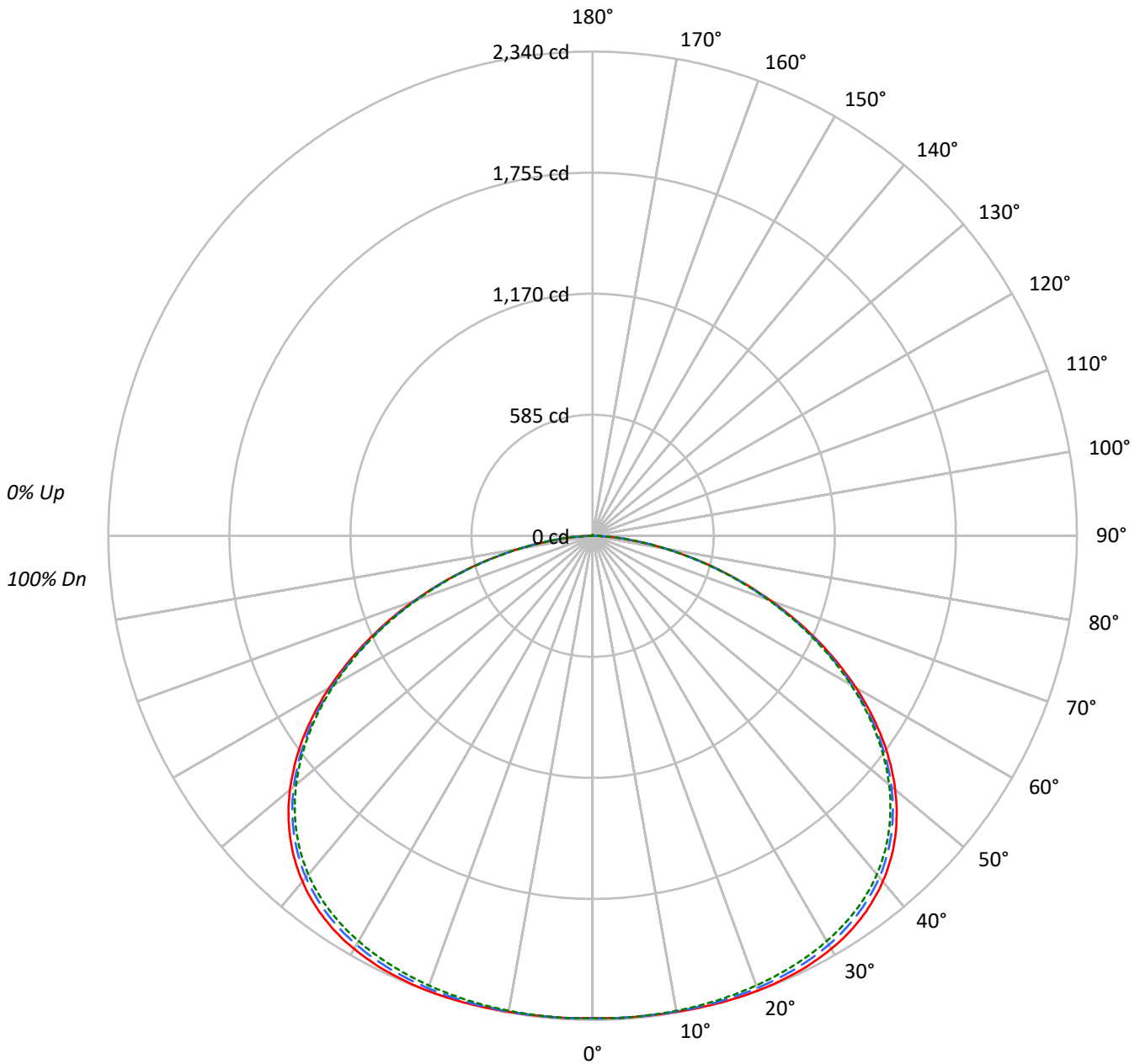
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8443.0 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57  
Luminous Opening: Rectangular w/ Sides (W: 3.88' x L: 3.88' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 69.4  
Input Voltage (V):  
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	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°	1665	1665	1665
5°	1666	1664	1666
10°	1681	1674	1677
15°	1709	1697	1699
20°	1749	1729	1730
25°	1799	1770	1771
30°	1855	1818	1819
35°	1911	1867	1872
40°	1962	1911	1922
45°	2000	1942	1959
50°	2017	1953	1976
55°	2004	1933	1964
60°	1953	1875	1917
65°	1859	1776	1829
70°	1712	1623	1685
75°	1494	1404	1478
80°	1186	1101	1177
85°	737	664	754



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.8	2.6
10°-20°	660.9	7.8
20°-30°	1068.3	12.7
30°-40°	1399.3	16.6
40°-50°	1574.0	18.6
50°-60°	1506.1	17.8
60°-70°	1174.7	13.9
70°-80°	662.0	7.8
80°-90°	163.8	1.9
90°-100°	0.6	0.0
100°-110°	0.9	0.0
110°-120°	1.7	0.0
120°-130°	2.7	0.0
130°-140°	2.1	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°	1952.0	23.1
0°-40°	3351.3	39.7
0°-60°	6431.4	76.2
0°-90°	8431.8	99.9
90°-120°	3.2	0.0
90°-150°	9.3	0.1
90°-180°	11.0	0.1
0°-180°	8443.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2332	2332	2332	2332	2332	
5°	2334	2335	2334	2334	2333	223
15°	2339	2338	2333	2328	2325	663
25°	2329	2326	2311	2298	2293	1077
35°	2259	2252	2233	2219	2213	1414
45°	2066	2057	2040	2031	2024	1592
55°	1708	1699	1687	1680	1675	1523
65°	1202	1197	1188	1185	1182	1186
75°	628	628	624	623	622	666
85°	134	136	137	138	137	155
90°	1	1	1	1	1	6
95°	0	0	0	0	1	0
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°	2331.7	2331.7	2331.7	2331.7	2331.7
0.5°	2331.1	2332.8	2333.4	2332.8	2331.7
1°	2331.7	2332.8	2333.4	2333.4	2332.3
1.5°	2332.3	2333.4	2333.4	2333.4	2332.8
2°	2332.3	2333.4	2333.4	2334.0	2332.8
2.5°	2332.8	2334.0	2334.0	2334.0	2332.8
3°	2333.4	2334.0	2334.0	2334.0	2333.4
3.5°	2333.4	2334.0	2334.0	2334.0	2333.4
4°	2334.0	2334.0	2334.0	2334.0	2333.4
4.5°	2334.0	2334.6	2334.0	2334.0	2333.4
5°	2334.0	2334.6	2334.0	2334.0	2333.4
5.5°	2334.0	2334.6	2334.0	2334.0	2333.4
6°	2334.6	2334.6	2334.0	2334.0	2332.8
6.5°	2334.6	2335.1	2334.6	2334.0	2332.8
7°	2334.6	2335.1	2334.0	2334.0	2332.8
7.5°	2334.6	2335.1	2334.0	2333.4	2332.3
8°	2335.1	2335.1	2334.6	2333.4	2332.3
8.5°	2335.1	2335.7	2334.0	2333.4	2331.7
9°	2335.7	2335.7	2334.6	2332.8	2331.7
9.5°	2335.7	2336.3	2334.0	2332.8	2331.1
10°	2336.3	2336.3	2334.0	2332.3	2330.6
10.5°	2336.8	2336.8	2334.0	2332.3	2330.6
11°	2336.8	2336.8	2334.0	2331.7	2330.0
11.5°	2337.4	2337.4	2334.0	2331.1	2329.4
12°	2337.4	2337.4	2334.0	2331.1	2328.9
12.5°	2338.0	2337.4	2333.4	2330.6	2328.3
13°	2338.0	2337.4	2333.4	2330.0	2327.7
13.5°	2338.5	2338.0	2333.4	2329.4	2327.2
14°	2338.5	2338.0	2333.4	2328.9	2326.0
14.5°	2339.1	2338.0	2332.8	2328.3	2325.5
15°	2339.1	2338.5	2332.8	2327.7	2324.9
15.5°	2339.7	2338.5	2332.3	2326.6	2323.7
16°	2339.1	2338.5	2331.7	2326.0	2322.6
16.5°	2339.7	2338.5	2331.7	2324.9	2321.5
17°	2339.7	2338.0	2331.1	2323.7	2320.9
17.5°	2339.7	2338.0	2330.0	2323.2	2319.8
18°	2339.7	2338.0	2329.4	2322.0	2318.1
18.5°	2339.7	2337.4	2328.9	2320.9	2316.9
19°	2339.1	2337.4	2328.3	2319.8	2315.8
19.5°	2339.1	2336.8	2327.2	2318.1	2314.1
20°	2338.5	2336.3	2326.0	2316.9	2312.9
20.5°	2338.0	2335.7	2325.5	2315.8	2311.2
21°	2338.0	2335.1	2324.3	2314.1	2309.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	2335.7	2332.3	2320.3	2309.0	2303.8
23°	2334.6	2331.1	2318.6	2307.3	2302.1
23.5°	2333.4	2330.0	2316.9	2305.0	2299.9
24°	2332.3	2328.9	2315.2	2302.7	2297.6
24.5°	2331.1	2327.2	2313.5	2300.4	2295.3
25°	2329.4	2325.5	2311.2	2298.2	2293.0
25.5°	2327.7	2323.7	2309.0	2295.9	2290.2
26°	2326.0	2322.0	2306.7	2293.6	2287.9
26.5°	2324.3	2319.8	2304.4	2290.8	2285.1
27°	2322.0	2317.5	2301.6	2287.9	2282.2
27.5°	2319.8	2315.2	2298.7	2285.1	2279.4
28°	2317.5	2312.4	2295.9	2282.2	2276.5
28.5°	2314.7	2309.5	2293.0	2278.8	2273.1
29°	2311.8	2306.7	2289.6	2275.4	2269.7
29.5°	2309.0	2303.3	2286.2	2272.0	2265.7
30°	2305.6	2299.9	2282.2	2268.0	2261.8
30.5°	2302.1	2296.5	2278.3	2264.0	2258.3
31°	2298.2	2292.5	2274.3	2260.1	2253.8
31.5°	2294.7	2288.5	2269.7	2256.1	2249.8
32°	2290.2	2283.9	2265.7	2251.5	2245.3
32.5°	2285.6	2279.4	2260.6	2246.4	2240.1
33°	2281.1	2274.3	2255.5	2241.9	2235.0
33.5°	2276.0	2269.2	2250.4	2236.7	2229.9
34°	2270.3	2263.5	2244.7	2231.0	2224.8
34.5°	2264.6	2257.8	2239.0	2225.4	2219.1
35°	2258.9	2251.5	2232.8	2219.1	2212.9
35.5°	2252.7	2245.3	2226.5	2212.9	2206.6
36°	2246.4	2238.4	2219.7	2206.6	2199.8
36.5°	2239.0	2231.6	2212.9	2199.8	2193.5
37°	2231.6	2224.2	2205.5	2192.4	2186.1
37.5°	2224.2	2216.3	2198.1	2185.0	2178.2
38°	2216.3	2208.9	2190.1	2177.6	2170.8
38.5°	2208.3	2200.3	2181.6	2169.1	2162.8
39°	2199.8	2191.2	2173.0	2161.1	2154.3
39.5°	2190.7	2182.1	2164.5	2152.0	2145.7
40°	2181.0	2173.0	2154.8	2142.9	2136.6
40.5°	2171.9	2163.4	2145.2	2133.8	2127.0
41°	2161.7	2153.1	2135.5	2123.6	2116.7
41.5°	2150.9	2142.3	2124.7	2113.3	2106.5
42°	2140.1	2131.5	2113.9	2103.1	2095.7
42.5°	2128.7	2120.2	2102.5	2091.7	2084.9
43°	2117.3	2108.2	2091.1	2080.3	2073.5
43.5°	2105.4	2096.3	2079.2	2068.4	2061.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	2066.1	2057.0	2040.5	2030.9	2023.5
45.5°	2052.5	2042.8	2026.9	2017.2	2010.4
46°	2038.3	2028.6	2012.7	2003.0	1996.2
46.5°	2023.5	2013.8	1998.4	1988.8	1982.0
47°	2008.1	1999.0	1983.1	1974.6	1967.2
47.5°	1992.8	1983.1	1967.7	1959.2	1951.8
48°	1977.4	1967.2	1952.4	1943.3	1935.9
48.5°	1960.9	1951.2	1936.5	1927.9	1921.1
49°	1943.3	1934.2	1919.4	1910.3	1904.0
49.5°	1926.2	1917.1	1902.3	1893.8	1887.0
50°	1908.6	1898.9	1885.3	1876.7	1869.9
50.5°	1890.4	1880.7	1867.1	1858.5	1852.3
51°	1872.2	1862.5	1848.9	1840.3	1833.5
51.5°	1852.9	1843.2	1829.5	1821.6	1815.3
52°	1833.5	1823.9	1810.2	1802.8	1796.6
52.5°	1814.2	1804.5	1790.9	1782.9	1777.2
53°	1793.1	1784.0	1771.5	1764.1	1757.9
53.5°	1772.1	1763.0	1750.5	1743.1	1737.4
54°	1751.1	1742.0	1729.4	1722.1	1716.9
54.5°	1730.6	1720.9	1709.0	1701.6	1696.5
55°	1708.4	1699.3	1687.4	1680.0	1674.9
55.5°	1686.2	1677.1	1665.2	1657.8	1653.2
56°	1662.9	1654.4	1642.4	1636.2	1631.6
56.5°	1639.6	1631.6	1619.7	1613.4	1608.9
57°	1616.8	1608.3	1596.9	1591.3	1586.7
57.5°	1594.1	1585.0	1573.6	1567.9	1563.4
58°	1569.1	1560.5	1549.7	1544.0	1540.1
58.5°	1544.6	1536.7	1525.3	1520.2	1516.2
59°	1520.2	1512.2	1501.4	1496.3	1492.3
59.5°	1494.6	1487.2	1476.4	1471.3	1467.3
60°	1469.5	1461.6	1451.3	1446.8	1442.8
60.5°	1444.0	1437.1	1426.3	1421.8	1417.8
61°	1417.8	1411.0	1400.7	1396.2	1392.2
61.5°	1391.1	1385.4	1375.1	1370.6	1367.2
62°	1364.9	1359.2	1349.0	1345.0	1341.6
62.5°	1338.2	1332.5	1322.3	1318.3	1314.9
63°	1311.4	1305.8	1296.1	1292.1	1288.7
63.5°	1284.1	1278.5	1269.4	1265.4	1262.0
64°	1256.8	1251.2	1241.5	1238.7	1234.7
64.5°	1229.6	1223.9	1214.2	1211.4	1207.9
65°	1201.7	1197.1	1188.0	1184.6	1182.3
65.5°	1174.4	1168.7	1160.2	1157.3	1153.9
66°	1145.4	1140.8	1132.3	1129.5	1127.2





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1061.2	1056.1	1048.7	1045.9	1043.0
68°	1032.2	1027.7	1020.3	1018.0	1015.1
68.5°	1003.2	998.7	991.3	989.6	987.8
69°	974.2	969.7	963.4	961.7	959.4
69.5°	945.8	941.2	935.5	933.8	931.0
70°	916.8	912.8	907.1	905.4	902.5
70.5°	887.8	883.8	878.7	877.0	874.1
71°	858.8	855.3	850.8	848.5	845.7
71.5°	830.3	826.9	821.8	820.1	817.8
72°	801.3	798.5	793.4	792.2	789.4
72.5°	772.3	770.0	764.9	763.8	761.5
73°	743.3	741.0	735.9	734.8	733.1
73.5°	714.9	712.6	708.0	706.3	704.6
74°	686.4	684.7	680.2	679.0	676.8
74.5°	657.4	656.3	652.3	650.6	648.9
75°	628.4	628.4	624.4	623.3	621.6
75.5°	600.6	600.6	596.6	595.4	593.7
76°	572.7	572.7	568.7	567.6	565.4
76.5°	544.5	544.8	541.4	540.2	538.3
77°	517.6	517.8	514.8	513.3	511.4
77.5°	488.7	490.1	487.6	486.2	484.4
78°	461.8	463.6	461.0	459.9	458.3
78.5°	436.5	437.6	435.9	434.6	432.4
79°	409.9	410.8	409.7	408.6	406.4
79.5°	383.8	385.2	384.4	383.4	380.9
80°	358.7	359.7	359.9	358.3	356.0
80.5°	332.3	334.4	334.7	333.2	332.0
81°	307.9	309.9	310.5	309.5	308.0
81.5°	283.9	286.2	286.7	286.2	284.2
82°	259.8	262.7	263.5	263.1	260.9
82.5°	236.9	240.1	241.0	240.6	238.5
83°	214.6	218.0	218.9	219.2	217.2
83.5°	193.0	196.3	197.4	197.7	195.6
84°	172.3	175.3	176.6	177.2	175.4
84.5°	152.6	155.0	156.7	157.4	156.6
85°	134.1	135.8	137.3	138.4	137.2
85.5°	116.1	117.5	118.6	120.2	119.3
86°	99.4	100.8	101.6	102.8	102.8
86.5°	83.5	84.1	84.7	86.2	86.2
87°	68.2	68.3	68.5	70.4	70.5
87.5°	52.7	53.1	53.3	55.0	55.6
88°	37.1	38.4	38.8	40.3	40.2
88.5°	26.3	26.3	26.2	27.8	28.1



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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°	0.7	0.6	0.6	0.6	0.7
98.5°	0.7	0.6	0.6	0.6	0.7
99°	0.7	0.7	0.6	0.6	0.6
99.5°	0.7	0.6	0.7	0.6	0.6
100°	0.7	0.7	0.7	0.7	0.7
100.5°	0.7	0.7	0.7	0.7	0.7
101°	0.8	0.7	0.7	0.7	0.7
101.5°	0.9	0.7	0.7	0.7	0.8
102°	0.9	0.7	0.8	0.7	0.8
102.5°	0.8	0.7	0.7	0.8	0.8
103°	0.8	0.7	0.8	0.7	0.8
103.5°	0.9	0.9	0.8	0.8	0.7
104°	1.0	0.9	0.9	0.8	0.7
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°	1.1	1.1	1.1	1.1	1.1
109.5°	1.2	1.0	1.2	1.1	1.0
110°	1.1	1.1	1.1	1.2	1.1
110.5°	1.2	1.1	1.2	1.2	1.3
111°	1.2	1.3	1.3	1.3	1.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	2337.4	2334.6	2323.2	2312.4	2307.8
22°	2336.3	2333.4	2321.5	2310.7	2306.1



44°	2092.3	2083.8	2066.7	2056.5	2049.6
44.5°	2079.2	2070.1	2054.2	2043.4	2036.6



66.5°	1117.5	1113.0	1104.4	1101.6	1098.7
67°	1089.6	1084.5	1076.6	1073.7	1071.4



89°	16.6	16.3	16.2	17.0	17.2
89.5°	7.3	7.5	7.3	7.8	7.7



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





134°	2.9	2.8	2.8	2.7	2.9
134.5°	3.0	2.8	2.8	2.6	2.7



156.5°	2.2	2.0	2.1	2.2	2.2
157°	2.2	2.0	2.1	2.1	2.2



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



(END OF REPORT)