

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-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-90-L840-CFR2  
Description: 9000 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

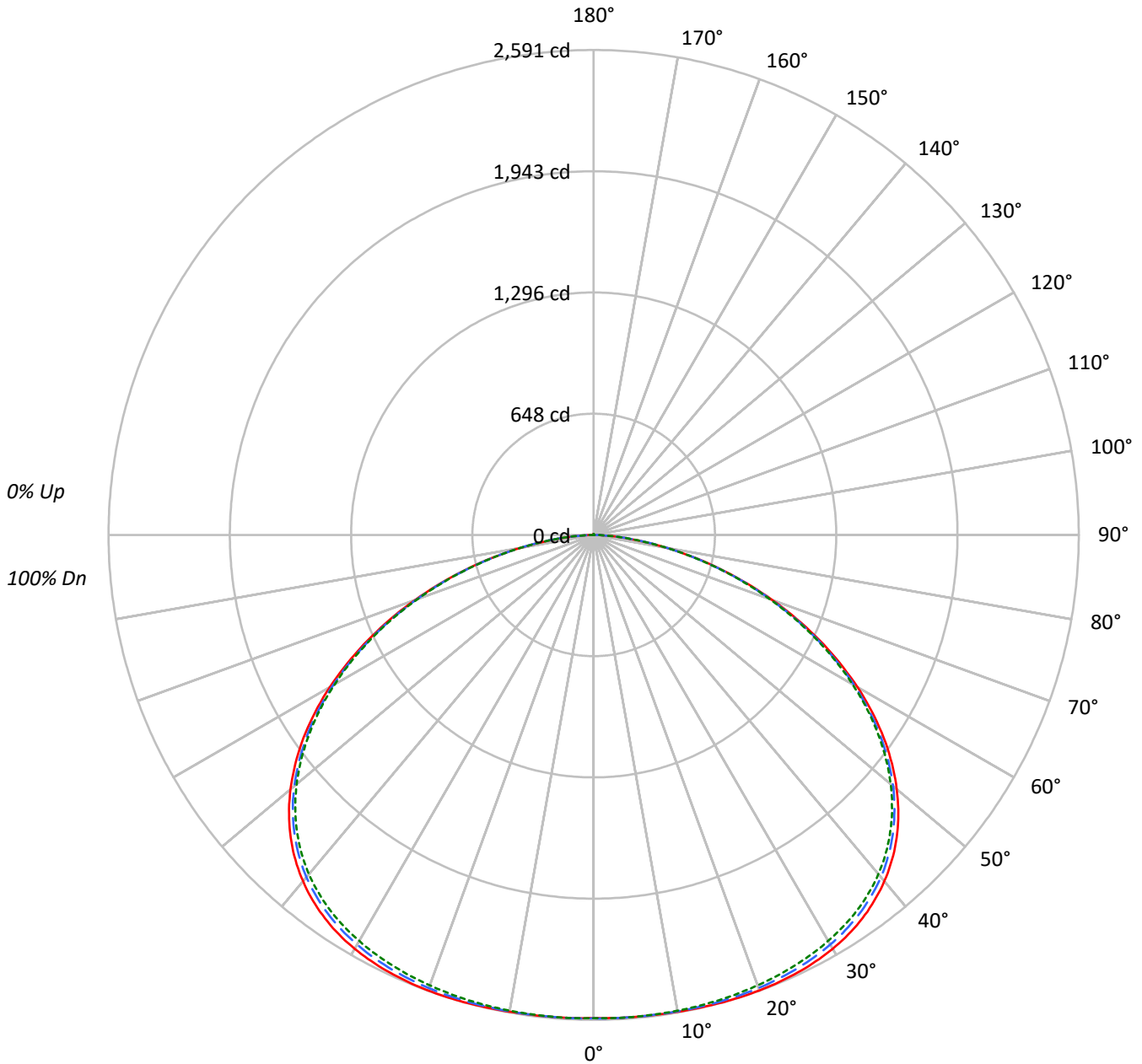
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9349.0 lumens  
Efficiency: N/A  
Efficacy: 134.7 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): 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°	1843	1843	1843
5°	1852	1852	1852
10°	1875	1873	1871
15°	1914	1909	1903
20°	1967	1957	1946
25°	2032	2016	2000
30°	2105	2083	2065
35°	2180	2155	2135
40°	2251	2224	2205
45°	2310	2281	2262
50°	2347	2319	2300
55°	2354	2325	2308
60°	2323	2295	2281
65°	2248	2222	2212
70°	2119	2096	2086
75°	1919	1907	1899
80°	1633	1638	1621
85°	1216	1246	1244



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.7	2.6
10°-20°	731.8	7.8
20°-30°	1183.0	12.7
30°-40°	1549.5	16.6
40°-50°	1742.9	18.6
50°-60°	1667.7	17.8
60°-70°	1300.7	13.9
70°-80°	733.0	7.8
80°-90°	181.4	1.9
90°-100°	0.6	0.0
100°-110°	1.0	0.0
110°-120°	1.9	0.0
120°-130°	3.0	0.0
130°-140°	2.3	0.0
140°-150°	1.4	0.0
150°-160°	1.1	0.0
160°-170°	0.7	0.0
170°-180°	0.3	0.0
0°-30°	2161.5	23.1
0°-40°	3710.9	39.7
0°-60°	7121.5	76.2
0°-90°	9336.6	99.9
90°-120°	3.6	0.0
90°-150°	10.3	0.1
90°-180°	12.0	0.1
0°-180°	9349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2582	2582	2582	2582	2582	
5°	2584	2585	2584	2584	2584	247
15°	2590	2590	2583	2578	2574	734
25°	2579	2575	2559	2545	2539	1192
35°	2501	2493	2472	2457	2450	1566
45°	2288	2278	2260	2249	2241	1762
55°	1892	1882	1868	1860	1855	1686
65°	1331	1326	1316	1312	1309	1314
75°	696	696	692	690	688	737
85°	148	150	152	153	152	172
90°	1	1	1	1	1	7
95°	1	0	1	0	1	1
105°	1	1	1	1	1	1
115°	2	2	2	2	2	2
125°	4	4	4	3	3	3
135°	3	3	3	3	3	2
145°	2	2	2	2	2	2
155°	2	2	2	2	3	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°	2581.9	2581.9	2581.9	2581.9	2581.9
0.5°	2581.3	2583.2	2583.8	2583.2	2581.9
1°	2581.9	2583.2	2583.8	2583.8	2582.6
1.5°	2582.6	2583.8	2583.8	2583.8	2583.2
2°	2582.6	2583.8	2583.8	2584.4	2583.2
2.5°	2583.2	2584.4	2584.4	2584.4	2583.2
3°	2583.8	2584.4	2584.4	2584.4	2583.8
3.5°	2583.8	2584.4	2584.4	2584.4	2583.8
4°	2584.4	2584.4	2584.4	2584.4	2583.8
4.5°	2584.4	2585.1	2584.4	2584.4	2583.8
5°	2584.4	2585.1	2584.4	2584.4	2583.8
5.5°	2584.4	2585.1	2584.4	2584.4	2583.8
6°	2585.1	2585.1	2584.4	2584.4	2583.2
6.5°	2585.1	2585.7	2585.1	2584.4	2583.2
7°	2585.1	2585.7	2584.4	2584.4	2583.2
7.5°	2585.1	2585.7	2584.4	2583.8	2582.6
8°	2585.7	2585.7	2585.1	2583.8	2582.6
8.5°	2585.7	2586.3	2584.4	2583.8	2581.9
9°	2586.3	2586.3	2585.1	2583.2	2581.9
9.5°	2586.3	2587.0	2584.4	2583.2	2581.3
10°	2587.0	2587.0	2584.4	2582.6	2580.7
10.5°	2587.6	2587.6	2584.4	2582.6	2580.7
11°	2587.6	2587.6	2584.4	2581.9	2580.0
11.5°	2588.2	2588.2	2584.4	2581.3	2579.4
12°	2588.2	2588.2	2584.4	2581.3	2578.8
12.5°	2588.8	2588.2	2583.8	2580.7	2578.1
13°	2588.8	2588.2	2583.8	2580.0	2577.5
13.5°	2589.5	2588.8	2583.8	2579.4	2576.9
14°	2589.5	2588.8	2583.8	2578.8	2575.6
14.5°	2590.1	2588.8	2583.2	2578.1	2575.0
15°	2590.1	2589.5	2583.2	2577.5	2574.4
15.5°	2590.7	2589.5	2582.6	2576.3	2573.1
16°	2590.1	2589.5	2581.9	2575.6	2571.8
16.5°	2590.7	2589.5	2581.9	2574.4	2570.6
17°	2590.7	2588.8	2581.3	2573.1	2570.0
17.5°	2590.7	2588.8	2580.0	2572.5	2568.7
18°	2590.7	2588.8	2579.4	2571.2	2566.8
18.5°	2590.7	2588.2	2578.8	2570.0	2565.5
19°	2590.1	2588.2	2578.1	2568.7	2564.3
19.5°	2590.1	2587.6	2576.9	2566.8	2562.4
20°	2589.5	2587.0	2575.6	2565.5	2561.1
20.5°	2588.8	2586.3	2575.0	2564.3	2559.3
21°	2588.8	2585.7	2573.7	2562.4	2557.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	2586.3	2582.6	2569.3	2556.7	2551.1
23°	2585.1	2581.3	2567.4	2554.8	2549.2
23.5°	2583.8	2580.0	2565.5	2552.3	2546.7
24°	2582.6	2578.8	2563.7	2549.8	2544.1
24.5°	2581.3	2576.9	2561.8	2547.3	2541.6
25°	2579.4	2575.0	2559.3	2544.8	2539.1
25.5°	2577.5	2573.1	2556.7	2542.2	2536.0
26°	2575.6	2571.2	2554.2	2539.7	2533.4
26.5°	2573.7	2568.7	2551.7	2536.6	2530.3
27°	2571.2	2566.2	2548.5	2533.4	2527.1
27.5°	2568.7	2563.7	2545.4	2530.3	2524.0
28°	2566.2	2560.5	2542.2	2527.1	2520.8
28.5°	2563.0	2557.4	2539.1	2523.4	2517.1
29°	2559.9	2554.2	2535.3	2519.6	2513.3
29.5°	2556.7	2550.4	2531.5	2515.8	2508.9
30°	2553.0	2546.7	2527.1	2511.4	2504.5
30.5°	2549.2	2542.9	2522.7	2507.0	2500.7
31°	2544.8	2538.5	2518.3	2502.6	2495.6
31.5°	2541.0	2534.1	2513.3	2498.2	2491.2
32°	2536.0	2529.0	2508.9	2493.1	2486.2
32.5°	2530.9	2524.0	2503.2	2487.5	2480.5
33°	2525.9	2518.3	2497.5	2482.4	2474.9
33.5°	2520.2	2512.7	2491.9	2476.8	2469.2
34°	2513.9	2506.4	2485.6	2470.5	2463.5
34.5°	2507.6	2500.1	2479.3	2464.2	2457.2
35°	2501.3	2493.1	2472.3	2457.2	2450.3
35.5°	2494.4	2486.2	2465.4	2450.3	2443.4
36°	2487.5	2478.6	2457.9	2443.4	2435.8
36.5°	2479.3	2471.1	2450.3	2435.8	2428.9
37°	2471.1	2462.9	2442.1	2427.6	2420.7
37.5°	2462.9	2454.1	2433.9	2419.5	2411.9
38°	2454.1	2445.9	2425.1	2411.3	2403.7
38.5°	2445.3	2436.5	2415.7	2401.8	2394.9
39°	2435.8	2426.4	2406.2	2393.0	2385.4
39.5°	2425.7	2416.3	2396.8	2382.9	2376.0
40°	2415.0	2406.2	2386.1	2372.8	2365.9
40.5°	2405.0	2395.5	2375.4	2362.8	2355.2
41°	2393.6	2384.2	2364.7	2351.4	2343.9
41.5°	2381.7	2372.2	2352.7	2340.1	2332.5
42°	2369.7	2360.3	2340.7	2328.8	2320.6
42.5°	2357.1	2347.7	2328.1	2316.2	2308.6
43°	2344.5	2334.4	2315.5	2303.6	2296.0
43.5°	2331.3	2321.2	2302.3	2290.4	2282.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	2287.8	2277.8	2259.5	2248.8	2240.6
45.5°	2272.7	2262.0	2244.4	2233.7	2226.1
46°	2257.0	2246.3	2228.6	2217.9	2210.4
46.5°	2240.6	2229.9	2212.9	2202.2	2194.6
47°	2223.6	2213.5	2195.9	2186.4	2178.3
47.5°	2206.6	2195.9	2178.9	2169.4	2161.3
48°	2189.6	2178.3	2161.9	2151.8	2143.6
48.5°	2171.3	2160.6	2144.3	2134.8	2127.3
49°	2151.8	2141.7	2125.4	2115.3	2108.4
49.5°	2132.9	2122.8	2106.5	2097.0	2089.5
50°	2113.4	2102.7	2087.6	2078.1	2070.6
50.5°	2093.2	2082.5	2067.4	2058.0	2051.1
51°	2073.1	2062.4	2047.3	2037.8	2030.3
51.5°	2051.7	2041.0	2025.9	2017.0	2010.1
52°	2030.3	2019.6	2004.5	1996.3	1989.3
52.5°	2008.9	1998.2	1983.0	1974.2	1967.9
53°	1985.6	1975.5	1961.6	1953.4	1946.5
53.5°	1962.3	1952.2	1938.3	1930.1	1923.8
54°	1939.0	1928.9	1915.0	1906.8	1901.2
54.5°	1916.3	1905.6	1892.4	1884.2	1878.5
55°	1891.7	1881.7	1868.4	1860.2	1854.6
55.5°	1867.2	1857.1	1843.9	1835.7	1830.6
56°	1841.4	1831.9	1818.7	1811.8	1806.7
56.5°	1815.5	1806.7	1793.5	1786.6	1781.5
57°	1790.3	1780.9	1768.3	1762.0	1757.0
57.5°	1765.2	1755.1	1742.5	1736.2	1731.1
58°	1737.4	1728.0	1716.0	1709.7	1705.3
58.5°	1710.4	1701.5	1689.0	1683.3	1678.9
59°	1683.3	1674.5	1662.5	1656.8	1652.4
59.5°	1654.9	1646.8	1634.8	1629.1	1624.7
60°	1627.2	1618.4	1607.1	1602.1	1597.6
60.5°	1598.9	1591.3	1579.4	1574.3	1569.9
61°	1569.9	1562.4	1551.0	1546.0	1541.6
61.5°	1540.3	1534.0	1522.7	1517.7	1513.9
62°	1511.4	1505.1	1493.7	1489.3	1485.5
62.5°	1481.8	1475.5	1464.1	1459.7	1456.0
63°	1452.2	1445.9	1435.2	1430.8	1427.0
63.5°	1421.9	1415.6	1405.6	1401.2	1397.4
64°	1391.7	1385.4	1374.7	1371.6	1367.2
64.5°	1361.5	1355.2	1344.5	1341.3	1337.6
65°	1330.6	1325.6	1315.5	1311.7	1309.2
65.5°	1300.4	1294.1	1284.7	1281.5	1277.7
66°	1268.3	1263.3	1253.8	1250.7	1248.1





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1175.1	1169.4	1161.2	1158.1	1154.9
68°	1143.0	1137.9	1129.7	1127.2	1124.1
68.5°	1110.9	1105.8	1097.6	1095.7	1093.9
69°	1078.7	1073.7	1066.8	1064.9	1062.4
69.5°	1047.3	1042.2	1035.9	1034.0	1030.9
70°	1015.1	1010.7	1004.4	1002.5	999.4
70.5°	983.0	978.6	972.9	971.1	967.9
71°	950.9	947.1	942.1	939.6	936.4
71.5°	919.4	915.6	910.0	908.1	905.6
72°	887.3	884.2	878.5	877.2	874.1
72.5°	855.2	852.7	847.0	845.7	843.2
73°	823.1	820.5	814.9	813.6	811.7
73.5°	791.6	789.1	784.0	782.1	780.2
74°	760.1	758.2	753.2	751.9	749.4
74.5°	728.0	726.7	722.3	720.4	718.5
75°	695.9	695.9	691.5	690.2	688.3
75.5°	665.0	665.0	660.6	659.3	657.4
76°	634.1	634.1	629.7	628.5	626.0
76.5°	603.0	603.2	599.5	598.2	596.1
77°	573.1	573.4	570.0	568.3	566.3
77.5°	541.2	542.7	539.9	538.4	536.3
78°	511.4	513.3	510.5	509.3	507.5
78.5°	483.3	484.5	482.7	481.2	478.8
79°	453.9	454.9	453.7	452.4	450.0
79.5°	424.9	426.5	425.7	424.6	421.8
80°	397.2	398.3	398.5	396.8	394.2
80.5°	368.0	370.3	370.7	369.0	367.6
81°	340.9	343.1	343.8	342.8	341.0
81.5°	314.4	316.9	317.5	316.9	314.7
82°	287.7	290.9	291.8	291.4	288.9
82.5°	262.3	265.8	266.8	266.4	264.1
83°	237.6	241.4	242.4	242.7	240.6
83.5°	213.7	217.4	218.6	219.0	216.6
84°	190.8	194.1	195.6	196.2	194.3
84.5°	169.0	171.7	173.5	174.3	173.4
85°	148.5	150.4	152.1	153.2	151.9
85.5°	128.6	130.1	131.4	133.1	132.1
86°	110.1	111.6	112.5	113.9	113.9
86.5°	92.4	93.1	93.8	95.5	95.5
87°	75.6	75.6	75.9	78.0	78.0
87.5°	58.3	58.8	59.1	60.9	61.5
88°	41.1	42.6	42.9	44.6	44.5
88.5°	29.1	29.1	29.0	30.7	31.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	1.4	1.3	1.4	1.4	1.3
90.5°	0.4	0.4	0.4	0.5	0.4
91°	0.4	0.4	0.4	0.4	0.4
91.5°	0.6	0.4	0.5	0.4	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	0.4
93.5°	0.6	0.4	0.5	0.5	0.6
94°	0.6	0.5	0.6	0.5	0.6
94.5°	0.6	0.6	0.5	0.6	0.6
95°	0.6	0.4	0.6	0.5	0.6
95.5°	0.5	0.6	0.6	0.6	0.6
96°	0.7	0.7	0.6	0.6	0.6
96.5°	0.7	0.6	0.6	0.6	0.6
97°	0.7	0.6	0.7	0.6	0.8
97.5°	0.8	0.6	0.6	0.6	0.8
98°	0.8	0.7	0.7	0.7	0.8
98.5°	0.8	0.7	0.6	0.6	0.8
99°	0.8	0.8	0.7	0.6	0.7
99.5°	0.8	0.6	0.8	0.7	0.7
100°	0.8	0.8	0.8	0.8	0.8
100.5°	0.8	0.8	0.8	0.8	0.8
101°	0.9	0.8	0.8	0.8	0.8
101.5°	0.9	0.8	0.8	0.8	0.9
102°	1.0	0.8	0.9	0.8	0.9
102.5°	0.9	0.8	0.8	0.9	0.9
103°	0.9	0.8	0.9	0.8	0.9
103.5°	0.9	0.9	0.9	0.9	0.8
104°	1.1	0.9	0.9	0.9	0.8
104.5°	0.9	1.0	1.0	1.0	0.9
105°	1.1	1.0	0.9	1.1	1.1
105.5°	1.1	0.9	1.0	0.9	0.9
106°	1.0	1.0	1.1	1.1	1.1
106.5°	1.1	1.0	1.1	1.0	0.9
107°	1.1	1.1	1.1	1.1	1.0
107.5°	1.2	1.1	1.1	1.2	1.1
108°	1.2	1.1	1.0	1.2	1.1
108.5°	1.2	1.2	1.2	1.1	1.1
109°	1.3	1.2	1.2	1.2	1.3
109.5°	1.3	1.1	1.3	1.3	1.1
110°	1.3	1.3	1.3	1.3	1.3
110.5°	1.3	1.3	1.3	1.3	1.4
111°	1.3	1.4	1.4	1.4	1.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	1.6	1.6	1.6	1.4
113°	1.7	1.5	1.5	1.6	1.6
113.5°	1.7	1.7	1.7	1.8	1.8
114°	1.8	1.8	1.8	1.8	1.8
114.5°	1.9	1.9	1.8	1.8	1.7
115°	1.9	1.9	1.8	1.9	1.8
115.5°	2.1	1.9	2.0	2.0	1.8
116°	2.0	2.1	2.1	2.0	2.0
116.5°	2.1	2.1	2.1	2.1	2.1
117°	2.3	2.3	2.3	2.3	2.0
117.5°	2.4	2.3	2.3	2.3	2.1
118°	2.4	2.3	2.5	2.3	2.2
118.5°	2.6	2.5	2.5	2.4	2.3
119°	2.6	2.6	2.6	2.5	2.5
119.5°	2.6	2.6	2.6	2.6	2.5
120°	2.8	2.8	2.7	2.6	2.7
120.5°	2.8	2.7	2.8	2.8	2.7
121°	2.8	2.8	2.8	2.8	2.7
121.5°	3.1	3.0	3.0	2.8	2.8
122°	3.0	3.1	3.0	3.0	3.0
122.5°	3.2	3.1	3.1	3.1	3.0
123°	3.3	3.3	3.1	3.1	3.1
123.5°	3.3	3.4	3.2	3.1	3.2
124°	3.3	3.4	3.3	3.2	3.2
124.5°	3.5	3.4	3.3	3.3	3.3
125°	3.7	3.5	3.5	3.4	3.4
125.5°	3.7	3.6	3.5	3.4	3.5
126°	3.7	3.5	3.5	3.5	3.4
126.5°	3.5	3.6	3.7	3.5	3.5
127°	3.7	3.7	3.5	3.5	3.4
127.5°	3.8	3.7	3.7	3.5	3.4
128°	3.8	3.6	3.6	3.5	3.5
128.5°	3.7	3.7	3.5	3.4	3.5
129°	3.6	3.6	3.5	3.5	3.4
129.5°	3.5	3.6	3.5	3.5	3.5
130°	3.5	3.6	3.5	3.3	3.4
130.5°	3.7	3.5	3.5	3.2	3.4
131°	3.5	3.5	3.5	3.3	3.3
131.5°	3.5	3.4	3.3	3.2	3.3
132°	3.5	3.3	3.3	3.2	3.2
132.5°	3.5	3.3	3.3	3.2	3.3
133°	3.3	3.2	3.2	3.0	3.1
133.5°	3.4	3.2	3.1	3.0	3.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	3.3	3.1	3.0	2.9	3.1
135.5°	3.1	3.1	3.0	2.8	3.0
136°	3.0	3.0	2.8	2.7	3.0
136.5°	3.1	3.0	2.8	2.7	3.0
137°	3.0	2.9	2.8	2.7	2.9
137.5°	3.0	2.8	2.8	2.6	2.8
138°	2.9	2.8	2.6	2.6	2.8
138.5°	3.0	2.8	2.7	2.5	2.7
139°	2.6	2.7	2.6	2.4	2.8
139.5°	2.8	2.6	2.5	2.5	2.7
140°	2.7	2.5	2.6	2.4	2.5
140.5°	2.7	2.5	2.5	2.4	2.5
141°	2.6	2.5	2.5	2.3	2.4
141.5°	2.4	2.5	2.5	2.3	2.4
142°	2.3	2.3	2.5	2.3	2.2
142.5°	2.3	2.5	2.4	2.3	2.2
143°	2.5	2.4	2.4	2.3	2.2
143.5°	2.5	2.4	2.4	2.2	2.2
144°	2.5	2.3	2.5	2.1	2.3
144.5°	2.3	2.3	2.3	2.2	2.3
145°	2.4	2.3	2.3	2.1	2.3
145.5°	2.3	2.2	2.3	2.1	2.4
146°	2.3	2.2	2.1	2.1	2.3
146.5°	2.4	2.2	2.1	2.1	2.3
147°	2.3	2.2	2.1	2.1	2.1
147.5°	2.3	2.2	2.1	2.1	2.3
148°	2.3	2.2	2.1	2.1	2.3
148.5°	2.4	2.3	2.1	2.1	2.3
149°	2.3	2.2	2.1	2.1	2.3
149.5°	2.5	2.1	2.1	2.1	2.4
150°	2.4	2.3	2.1	2.1	2.3
150.5°	2.3	2.2	2.1	2.1	2.3
151°	2.5	2.2	2.1	2.1	2.5
151.5°	2.4	2.3	2.1	2.1	2.5
152°	2.5	2.3	2.2	2.3	2.3
152.5°	2.5	2.3	2.1	2.2	2.5
153°	2.4	2.3	2.2	2.3	2.5
153.5°	2.6	2.3	2.1	2.3	2.5
154°	2.5	2.3	2.3	2.3	2.5
154.5°	2.5	2.3	2.3	2.4	2.5
155°	2.3	2.3	2.3	2.4	2.6
155.5°	2.5	2.3	2.3	2.3	2.5
156°	2.3	2.3	2.3	2.3	2.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	2.3	2.2	2.3	2.4	2.5
158°	2.5	2.3	2.3	2.3	2.5
158.5°	2.4	2.3	2.2	2.3	2.5
159°	2.5	2.3	2.3	2.3	2.6
159.5°	2.4	2.3	2.3	2.3	2.6
160°	2.4	2.3	2.2	2.3	2.5
160.5°	2.3	2.3	2.3	2.4	2.5
161°	2.3	2.3	2.3	2.4	2.5
161.5°	2.4	2.3	2.3	2.3	2.4
162°	2.3	2.3	2.3	2.4	2.4
162.5°	2.5	2.4	2.3	2.3	2.5
163°	2.5	2.3	2.4	2.4	2.4
163.5°	2.4	2.3	2.4	2.4	2.6
164°	2.3	2.4	2.3	2.5	2.5
164.5°	2.3	2.5	2.4	2.5	2.6
165°	2.3	2.3	2.3	2.5	2.5
165.5°	2.2	2.3	2.3	2.6	2.5
166°	2.4	2.4	2.3	2.5	2.5
166.5°	2.4	2.3	2.3	2.6	2.3
167°	2.3	2.5	2.3	2.6	2.6
167.5°	2.4	2.5	2.4	2.7	2.6
168°	2.5	2.5	2.3	2.6	2.5
168.5°	2.4	2.6	2.5	2.8	2.6
169°	2.6	2.5	2.3	2.8	2.6
169.5°	2.5	2.5	2.4	2.8	2.6
170°	2.6	2.5	2.5	2.8	2.6
170.5°	2.6	2.6	2.5	2.8	2.7
171°	2.6	2.6	2.6	2.8	2.8
171.5°	2.5	2.6	2.6	2.9	2.6
172°	2.5	2.6	2.6	2.9	2.7
172.5°	2.6	2.6	2.7	2.9	2.7
173°	2.5	2.5	2.7	2.9	2.8
173.5°	2.7	2.6	2.8	2.8	2.8
174°	2.8	2.8	3.0	2.9	2.8
174.5°	2.8	2.9	2.9	3.0	2.9
175°	3.0	2.9	3.0	3.0	2.8
175.5°	3.0	2.9	3.1	3.0	3.0
176°	3.1	3.0	3.0	2.9	2.9
176.5°	3.1	3.0	3.0	2.8	2.9
177°	3.0	3.0	2.8	2.8	2.9
177.5°	3.1	3.0	2.8	2.7	3.0
178°	2.9	2.8	2.7	2.7	2.8
178.5°	2.8	2.8	2.6	2.6	2.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	2588.2	2585.1	2572.5	2560.5	2555.5
22°	2587.0	2583.8	2570.6	2558.6	2553.6



44°	2316.8	2307.4	2288.5	2277.1	2269.6
44.5°	2302.3	2292.2	2274.6	2262.6	2255.1



66.5°	1237.4	1232.4	1222.9	1219.8	1216.7
67°	1206.6	1200.9	1192.1	1188.9	1186.4



89°	18.4	18.1	17.9	18.8	19.1
89.5°	8.1	8.2	8.1	8.6	8.5



111.5°	1.6	1.4	1.4	1.4	1.4
112°	1.6	1.4	1.4	1.4	1.6





134°	3.2	3.1	3.1	3.0	3.2
134.5°	3.3	3.1	3.1	2.9	3.0



156.5°	2.5	2.3	2.3	2.4	2.5
157°	2.4	2.3	2.3	2.3	2.5



179°	2.7	2.6	2.5	2.6	2.7
179.5°	2.4	2.5	2.5	2.4	2.6



(END OF REPORT)