

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-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-L840-CFD2
Description: 9000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS
AND 4000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

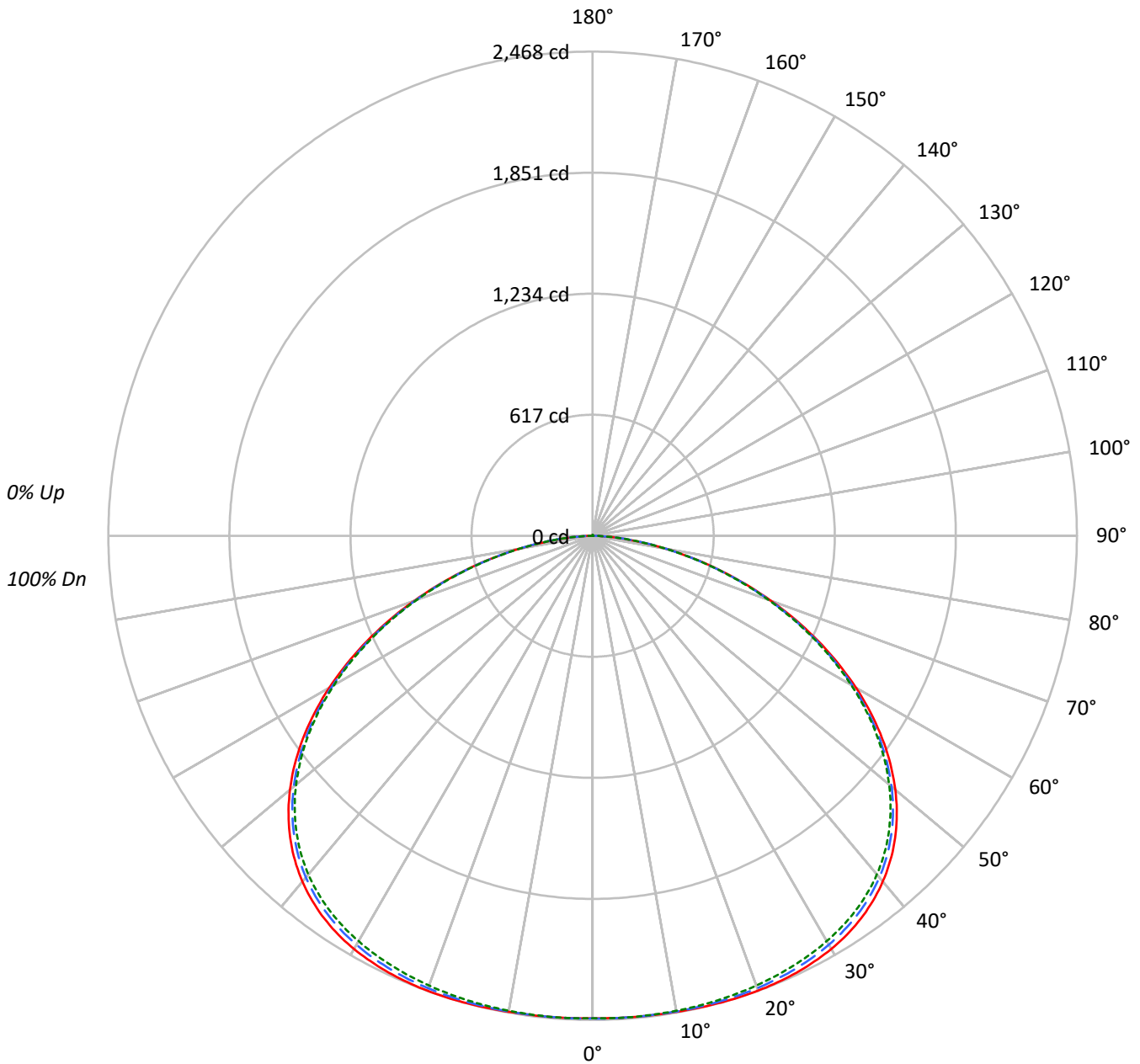
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8906.0 lumens
Efficiency: N/A
Efficacy: 128.3 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°	1756	1756	1756
5°	1758	1755	1757
10°	1773	1766	1769
15°	1803	1790	1792
20°	1845	1824	1825
25°	1898	1868	1868
30°	1956	1917	1919
35°	2016	1969	1975
40°	2069	2016	2027
45°	2110	2049	2066
50°	2127	2060	2084
55°	2113	2039	2072
60°	2060	1978	2023
65°	1961	1873	1929
70°	1805	1712	1777
75°	1576	1481	1559
80°	1251	1161	1242
85°	778	701	795



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.0	2.6
10°-20°	697.1	7.8
20°-30°	1126.9	12.7
30°-40°	1476.0	16.6
40°-50°	1660.3	18.6
50°-60°	1588.7	17.8
60°-70°	1239.1	13.9
70°-80°	698.3	7.8
80°-90°	172.8	1.9
90°-100°	0.6	0.0
100°-110°	1.0	0.0
110°-120°	1.8	0.0
120°-130°	2.8	0.0
130°-140°	2.2	0.0
140°-150°	1.4	0.0
150°-160°	1.0	0.0
160°-170°	0.7	0.0
170°-180°	0.3	0.0
0°-30°	2059.1	23.1
0°-40°	3535.1	39.7
0°-60°	6784.1	76.2
0°-90°	8894.2	99.9
90°-120°	3.4	0.0
90°-150°	9.8	0.1
90°-180°	12.0	0.1
0°-180°	8906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2460	2460	2460	2460	2460	
5°	2462	2463	2462	2462	2461	235
15°	2467	2467	2461	2455	2452	699
25°	2457	2453	2438	2424	2419	1136
35°	2383	2375	2355	2341	2334	1492
45°	2179	2170	2152	2142	2134	1679
55°	1802	1792	1780	1772	1767	1606
65°	1268	1263	1253	1250	1247	1251
75°	663	663	659	658	656	703
85°	142	143	145	146	145	164
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°	4	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°	2459.6	2459.6	2459.6	2459.6	2459.6
0.5°	2459.0	2460.8	2461.4	2460.8	2459.6
1°	2459.6	2460.8	2461.4	2461.4	2460.2
1.5°	2460.2	2461.4	2461.4	2461.4	2460.8
2°	2460.2	2461.4	2461.4	2462.0	2460.8
2.5°	2460.8	2462.0	2462.0	2462.0	2460.8
3°	2461.4	2462.0	2462.0	2462.0	2461.4
3.5°	2461.4	2462.0	2462.0	2462.0	2461.4
4°	2462.0	2462.0	2462.0	2462.0	2461.4
4.5°	2462.0	2462.6	2462.0	2462.0	2461.4
5°	2462.0	2462.6	2462.0	2462.0	2461.4
5.5°	2462.0	2462.6	2462.0	2462.0	2461.4
6°	2462.6	2462.6	2462.0	2462.0	2460.8
6.5°	2462.6	2463.2	2462.6	2462.0	2460.8
7°	2462.6	2463.2	2462.0	2462.0	2460.8
7.5°	2462.6	2463.2	2462.0	2461.4	2460.2
8°	2463.2	2463.2	2462.6	2461.4	2460.2
8.5°	2463.2	2463.8	2462.0	2461.4	2459.6
9°	2463.8	2463.8	2462.6	2460.8	2459.6
9.5°	2463.8	2464.4	2462.0	2460.8	2459.0
10°	2464.4	2464.4	2462.0	2460.2	2458.4
10.5°	2465.0	2465.0	2462.0	2460.2	2458.4
11°	2465.0	2465.0	2462.0	2459.6	2457.8
11.5°	2465.6	2465.6	2462.0	2459.0	2457.2
12°	2465.6	2465.6	2462.0	2459.0	2456.6
12.5°	2466.2	2465.6	2461.4	2458.4	2456.0
13°	2466.2	2465.6	2461.4	2457.8	2455.4
13.5°	2466.8	2466.2	2461.4	2457.2	2454.8
14°	2466.8	2466.2	2461.4	2456.6	2453.6
14.5°	2467.4	2466.2	2460.8	2456.0	2453.0
15°	2467.4	2466.8	2460.8	2455.4	2452.4
15.5°	2468.0	2466.8	2460.2	2454.2	2451.2
16°	2467.4	2466.8	2459.6	2453.6	2450.0
16.5°	2468.0	2466.8	2459.6	2452.4	2448.8
17°	2468.0	2466.2	2459.0	2451.2	2448.2
17.5°	2468.0	2466.2	2457.8	2450.6	2447.0
18°	2468.0	2466.2	2457.2	2449.4	2445.2
18.5°	2468.0	2465.6	2456.6	2448.2	2444.0
19°	2467.4	2465.6	2456.0	2447.0	2442.8
19.5°	2467.4	2465.0	2454.8	2445.2	2441.0
20°	2466.8	2464.4	2453.6	2444.0	2439.8
20.5°	2466.2	2463.8	2453.0	2442.8	2438.0
21°	2466.2	2463.2	2451.8	2441.0	2436.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	2463.8	2460.2	2447.6	2435.6	2430.2
23°	2462.6	2459.0	2445.8	2433.8	2428.4
23.5°	2461.4	2457.8	2444.0	2431.4	2426.0
24°	2460.2	2456.6	2442.2	2429.0	2423.6
24.5°	2459.0	2454.8	2440.4	2426.6	2421.2
25°	2457.2	2453.0	2438.0	2424.2	2418.8
25.5°	2455.4	2451.2	2435.6	2421.8	2415.8
26°	2453.6	2449.4	2433.2	2419.4	2413.4
26.5°	2451.8	2447.0	2430.8	2416.4	2410.4
27°	2449.4	2444.6	2427.8	2413.4	2407.4
27.5°	2447.0	2442.2	2424.8	2410.4	2404.4
28°	2444.6	2439.2	2421.8	2407.4	2401.4
28.5°	2441.6	2436.2	2418.8	2403.8	2397.8
29°	2438.6	2433.2	2415.2	2400.2	2394.2
29.5°	2435.6	2429.6	2411.6	2396.6	2390.0
30°	2432.0	2426.0	2407.4	2392.4	2385.8
30.5°	2428.4	2422.4	2403.2	2388.2	2382.2
31°	2424.2	2418.2	2399.0	2384.0	2377.4
31.5°	2420.6	2414.0	2394.2	2379.8	2373.2
32°	2415.8	2409.2	2390.0	2375.0	2368.4
32.5°	2411.0	2404.4	2384.6	2369.6	2363.0
33°	2406.2	2399.0	2379.2	2364.8	2357.6
33.5°	2400.8	2393.6	2373.8	2359.4	2352.2
34°	2394.8	2387.6	2367.8	2353.4	2346.8
34.5°	2388.8	2381.6	2361.8	2347.4	2340.8
35°	2382.8	2375.0	2355.2	2340.8	2334.2
35.5°	2376.2	2368.4	2348.6	2334.2	2327.6
36°	2369.6	2361.2	2341.4	2327.6	2320.4
36.5°	2361.8	2354.0	2334.2	2320.4	2313.8
37°	2354.0	2346.2	2326.4	2312.6	2306.0
37.5°	2346.2	2337.8	2318.6	2304.8	2297.6
38°	2337.8	2330.0	2310.2	2297.0	2289.8
38.5°	2329.4	2321.0	2301.2	2288.0	2281.4
39°	2320.4	2311.4	2292.2	2279.6	2272.4
39.5°	2310.8	2301.8	2283.2	2270.0	2263.4
40°	2300.6	2292.2	2273.0	2260.4	2253.8
40.5°	2291.0	2282.0	2262.8	2250.8	2243.6
41°	2280.2	2271.2	2252.6	2240.0	2232.8
41.5°	2268.8	2259.8	2241.2	2229.2	2222.0
42°	2257.4	2248.4	2229.8	2218.4	2210.6
42.5°	2245.4	2236.4	2217.8	2206.4	2199.2
43°	2233.4	2223.8	2205.8	2194.4	2187.2
43.5°	2220.8	2211.2	2193.2	2181.8	2174.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	2179.4	2169.8	2152.4	2142.2	2134.4
45.5°	2165.0	2154.8	2138.0	2127.8	2120.6
46°	2150.0	2139.8	2123.0	2112.8	2105.6
46.5°	2134.4	2124.2	2108.0	2097.8	2090.6
47°	2118.2	2108.6	2091.8	2082.8	2075.0
47.5°	2102.0	2091.8	2075.6	2066.6	2058.8
48°	2085.8	2075.0	2059.4	2049.8	2042.1
48.5°	2068.4	2058.2	2042.6	2033.7	2026.5
49°	2049.8	2040.3	2024.7	2015.1	2008.5
49.5°	2031.9	2022.3	2006.7	1997.7	1990.5
50°	2013.3	2003.1	1988.7	1979.7	1972.5
50.5°	1994.1	1983.9	1969.5	1960.5	1953.9
51°	1974.9	1964.7	1950.3	1941.3	1934.1
51.5°	1954.5	1944.3	1929.9	1921.5	1914.9
52°	1934.1	1923.9	1909.5	1901.7	1895.1
52.5°	1913.7	1903.5	1889.1	1880.7	1874.7
53°	1891.5	1881.9	1868.7	1860.9	1854.3
53.5°	1869.3	1859.7	1846.5	1838.7	1832.7
54°	1847.1	1837.5	1824.3	1816.5	1811.1
54.5°	1825.5	1815.3	1802.7	1794.9	1789.5
55°	1802.1	1792.5	1779.9	1772.1	1766.7
55.5°	1778.7	1769.1	1756.5	1748.7	1743.9
56°	1754.1	1745.1	1732.5	1725.9	1721.1
56.5°	1729.5	1721.1	1708.5	1701.9	1697.1
57°	1705.5	1696.5	1684.5	1678.5	1673.7
57.5°	1681.5	1671.9	1659.9	1653.9	1649.1
58°	1655.1	1646.1	1634.7	1628.7	1624.5
58.5°	1629.3	1620.9	1608.9	1603.5	1599.3
59°	1603.5	1595.1	1583.7	1578.3	1574.1
59.5°	1576.5	1568.7	1557.3	1551.9	1547.7
60°	1550.1	1541.7	1530.9	1526.1	1521.9
60.5°	1523.1	1515.9	1504.5	1499.7	1495.5
61°	1495.5	1488.3	1477.5	1472.7	1468.5
61.5°	1467.3	1461.3	1450.6	1445.8	1442.2
62°	1439.8	1433.8	1423.0	1418.8	1415.2
62.5°	1411.6	1405.6	1394.8	1390.6	1387.0
63°	1383.4	1377.4	1367.2	1363.0	1359.4
63.5°	1354.6	1348.6	1339.0	1334.8	1331.2
64°	1325.8	1319.8	1309.6	1306.6	1302.4
64.5°	1297.0	1291.0	1280.8	1277.8	1274.2
65°	1267.6	1262.8	1253.2	1249.6	1247.2
65.5°	1238.8	1232.8	1223.8	1220.8	1217.2
66°	1208.2	1203.4	1194.4	1191.4	1189.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1119.4	1114.0	1106.2	1103.2	1100.2
68°	1088.8	1084.0	1076.2	1073.8	1070.8
68.5°	1058.2	1053.4	1045.6	1043.8	1042.0
69°	1027.6	1022.8	1016.2	1014.4	1012.0
69.5°	997.6	992.8	986.8	985.0	982.0
70°	967.0	962.8	956.8	955.0	952.0
70.5°	936.4	932.2	926.8	925.0	922.0
71°	905.8	902.2	897.4	895.0	892.0
71.5°	875.8	872.3	866.9	865.1	862.7
72°	845.3	842.3	836.9	835.7	832.7
72.5°	814.7	812.3	806.9	805.7	803.3
73°	784.1	781.7	776.3	775.1	773.3
73.5°	754.1	751.7	746.9	745.1	743.3
74°	724.1	722.3	717.5	716.3	713.9
74.5°	693.5	692.3	688.1	686.3	684.5
75°	662.9	662.9	658.7	657.5	655.7
75.5°	633.5	633.5	629.3	628.1	626.3
76°	604.1	604.1	599.9	598.8	596.4
76.5°	574.4	574.6	571.1	569.8	567.9
77°	546.0	546.2	543.0	541.4	539.4
77.5°	515.6	517.0	514.4	512.9	510.9
78°	487.2	489.0	486.3	485.1	483.5
78.5°	460.4	461.6	459.8	458.4	456.1
79°	432.4	433.3	432.2	431.0	428.7
79.5°	404.8	406.3	405.5	404.5	401.8
80°	378.4	379.4	379.6	378.0	375.5
80.5°	350.5	352.7	353.1	351.5	350.2
81°	324.8	326.9	327.5	326.5	324.8
81.5°	299.5	301.9	302.5	301.9	299.8
82°	274.1	277.1	278.0	277.6	275.2
82.5°	249.9	253.2	254.2	253.8	251.6
83°	226.3	230.0	230.9	231.2	229.2
83.5°	203.6	207.1	208.2	208.6	206.4
84°	181.8	184.9	186.3	186.9	185.1
84.5°	161.0	163.5	165.3	166.1	165.2
85°	141.5	143.3	144.9	146.0	144.7
85.5°	122.5	123.9	125.1	126.8	125.8
86°	104.9	106.3	107.1	108.5	108.5
86.5°	88.1	88.7	89.4	90.9	90.9
87°	72.0	72.0	72.3	74.3	74.3
87.5°	55.6	56.0	56.3	58.0	58.6
88°	39.2	40.6	40.9	42.5	42.4
88.5°	27.7	27.7	27.7	29.3	29.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	1.3	1.3	1.3	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°	0.5	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°	0.5	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°	0.7	0.7	0.5	0.5	0.6
96.5°	0.7	0.6	0.6	0.5	0.6
97°	0.7	0.6	0.7	0.5	0.7
97.5°	0.7	0.6	0.6	0.5	0.7
98°	0.8	0.7	0.7	0.7	0.8
98.5°	0.8	0.7	0.6	0.6	0.7
99°	0.7	0.7	0.7	0.6	0.7
99.5°	0.8	0.6	0.7	0.7	0.7
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°	1.0	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	1.0	1.0	1.0	0.8
105°	1.1	1.0	0.9	1.0	1.0
105.5°	1.0	0.8	1.0	0.9	0.9
106°	1.0	1.0	1.0	1.0	1.1
106.5°	1.1	1.0	1.0	1.0	0.9
107°	1.0	1.0	1.1	1.1	1.0
107.5°	1.1	1.0	1.1	1.1	1.1
108°	1.1	1.0	1.0	1.1	1.0
108.5°	1.1	1.1	1.1	1.1	1.0
109°	1.2	1.1	1.1	1.1	1.2
109.5°	1.3	1.1	1.3	1.2	1.1
110°	1.2	1.2	1.2	1.3	1.2
110.5°	1.3	1.2	1.3	1.3	1.3
111°	1.3	1.3	1.3	1.3	1.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	1.5	1.6	1.5	1.4
113°	1.6	1.4	1.4	1.5	1.5
113.5°	1.6	1.6	1.6	1.7	1.7
114°	1.7	1.7	1.7	1.7	1.7
114.5°	1.8	1.8	1.7	1.7	1.6
115°	1.8	1.8	1.7	1.8	1.7
115.5°	2.0	1.8	1.9	1.9	1.7
116°	1.9	2.0	2.0	1.9	1.9
116.5°	2.0	2.0	2.0	2.0	2.0
117°	2.2	2.2	2.2	2.2	1.9
117.5°	2.3	2.2	2.2	2.2	2.0
118°	2.3	2.2	2.3	2.2	2.1
118.5°	2.5	2.3	2.3	2.3	2.2
119°	2.5	2.5	2.5	2.3	2.3
119.5°	2.5	2.5	2.5	2.5	2.4
120°	2.6	2.6	2.6	2.5	2.6
120.5°	2.7	2.6	2.7	2.6	2.6
121°	2.7	2.7	2.7	2.7	2.6
121.5°	3.0	2.9	2.8	2.7	2.7
122°	2.8	3.0	2.9	2.8	2.9
122.5°	3.1	3.0	2.9	2.9	2.8
123°	3.1	3.1	3.0	3.0	2.9
123.5°	3.1	3.2	3.1	2.9	3.1
124°	3.2	3.2	3.2	3.1	3.1
124.5°	3.4	3.2	3.2	3.1	3.1
125°	3.5	3.4	3.3	3.2	3.2
125.5°	3.5	3.4	3.3	3.2	3.3
126°	3.5	3.4	3.3	3.3	3.2
126.5°	3.4	3.4	3.5	3.3	3.4
127°	3.5	3.5	3.4	3.3	3.2
127.5°	3.6	3.5	3.5	3.3	3.2
128°	3.6	3.4	3.4	3.3	3.4
128.5°	3.5	3.5	3.4	3.2	3.4
129°	3.4	3.4	3.4	3.3	3.2
129.5°	3.4	3.4	3.4	3.3	3.3
130°	3.4	3.4	3.3	3.2	3.2
130.5°	3.5	3.4	3.4	3.1	3.2
131°	3.3	3.3	3.3	3.1	3.2
131.5°	3.4	3.2	3.1	3.1	3.1
132°	3.3	3.2	3.2	3.1	3.1
132.5°	3.3	3.2	3.1	3.1	3.1
133°	3.2	3.1	3.1	2.9	3.0
133.5°	3.2	3.1	2.9	2.8	3.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	3.1	2.9	2.8	2.8	3.0
135.5°	2.9	3.0	2.8	2.7	2.9
136°	2.9	2.8	2.7	2.6	2.9
136.5°	2.9	2.8	2.7	2.6	2.8
137°	2.9	2.8	2.7	2.6	2.8
137.5°	2.8	2.7	2.6	2.5	2.6
138°	2.8	2.6	2.5	2.5	2.6
138.5°	2.8	2.6	2.6	2.4	2.6
139°	2.5	2.6	2.5	2.3	2.6
139.5°	2.6	2.5	2.4	2.3	2.6
140°	2.6	2.4	2.5	2.3	2.4
140.5°	2.6	2.4	2.4	2.3	2.4
141°	2.5	2.4	2.3	2.2	2.3
141.5°	2.3	2.4	2.4	2.2	2.3
142°	2.2	2.2	2.3	2.2	2.1
142.5°	2.2	2.3	2.3	2.2	2.1
143°	2.3	2.3	2.3	2.2	2.1
143.5°	2.3	2.3	2.3	2.1	2.1
144°	2.3	2.2	2.3	2.0	2.2
144.5°	2.2	2.2	2.2	2.1	2.2
145°	2.3	2.2	2.2	2.0	2.2
145.5°	2.2	2.1	2.2	2.0	2.3
146°	2.2	2.1	2.0	2.0	2.2
146.5°	2.3	2.1	2.0	2.0	2.2
147°	2.2	2.1	2.0	2.0	2.0
147.5°	2.2	2.1	2.0	2.0	2.2
148°	2.2	2.1	2.0	2.0	2.2
148.5°	2.3	2.2	2.0	2.0	2.2
149°	2.2	2.1	2.0	2.0	2.2
149.5°	2.3	2.0	2.0	2.0	2.3
150°	2.3	2.2	2.0	2.0	2.2
150.5°	2.2	2.1	2.0	2.0	2.2
151°	2.3	2.1	2.0	2.0	2.3
151.5°	2.3	2.2	2.0	2.0	2.3
152°	2.3	2.2	2.1	2.2	2.2
152.5°	2.3	2.2	2.0	2.1	2.3
153°	2.3	2.2	2.1	2.2	2.4
153.5°	2.5	2.2	2.0	2.2	2.3
154°	2.3	2.2	2.2	2.2	2.3
154.5°	2.3	2.2	2.2	2.3	2.4
155°	2.2	2.2	2.2	2.3	2.5
155.5°	2.3	2.2	2.2	2.2	2.4
156°	2.2	2.2	2.2	2.2	2.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	2.2	2.1	2.2	2.3	2.3
158°	2.4	2.2	2.2	2.2	2.4
158.5°	2.3	2.2	2.1	2.2	2.3
159°	2.3	2.2	2.2	2.2	2.5
159.5°	2.3	2.2	2.2	2.2	2.5
160°	2.3	2.2	2.1	2.2	2.4
160.5°	2.2	2.2	2.2	2.3	2.4
161°	2.2	2.2	2.2	2.3	2.4
161.5°	2.3	2.2	2.2	2.2	2.3
162°	2.2	2.2	2.2	2.3	2.3
162.5°	2.3	2.3	2.2	2.2	2.3
163°	2.3	2.2	2.3	2.3	2.3
163.5°	2.3	2.2	2.3	2.3	2.5
164°	2.2	2.3	2.2	2.4	2.4
164.5°	2.2	2.3	2.3	2.4	2.5
165°	2.2	2.2	2.2	2.3	2.4
165.5°	2.1	2.2	2.2	2.5	2.4
166°	2.3	2.3	2.2	2.4	2.3
166.5°	2.3	2.2	2.2	2.5	2.2
167°	2.2	2.4	2.2	2.5	2.5
167.5°	2.3	2.4	2.3	2.6	2.5
168°	2.3	2.3	2.2	2.5	2.4
168.5°	2.3	2.5	2.3	2.7	2.5
169°	2.5	2.4	2.2	2.7	2.5
169.5°	2.4	2.4	2.3	2.6	2.5
170°	2.5	2.4	2.3	2.7	2.5
170.5°	2.5	2.5	2.3	2.7	2.6
171°	2.5	2.5	2.5	2.7	2.6
171.5°	2.4	2.5	2.5	2.8	2.5
172°	2.4	2.5	2.5	2.8	2.6
172.5°	2.5	2.5	2.6	2.8	2.6
173°	2.4	2.4	2.6	2.8	2.6
173.5°	2.6	2.5	2.6	2.7	2.7
174°	2.6	2.6	2.8	2.8	2.6
174.5°	2.6	2.8	2.8	2.9	2.8
175°	2.8	2.8	2.8	2.9	2.7
175.5°	2.8	2.8	2.9	2.8	2.8
176°	2.9	2.9	2.8	2.8	2.8
176.5°	3.0	2.8	2.9	2.6	2.8
177°	2.9	2.8	2.7	2.6	2.8
177.5°	2.9	2.8	2.6	2.6	2.8
178°	2.8	2.7	2.6	2.6	2.6
178.5°	2.7	2.6	2.5	2.5	2.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L840-CFD2

CANDELA DISTRIBUTION (continued):

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



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	2465.6	2462.6	2450.6	2439.2	2434.4
22°	2464.4	2461.4	2448.8	2437.4	2432.6



44°	2207.0	2198.0	2180.0	2169.2	2162.0
44.5°	2193.2	2183.6	2166.8	2155.4	2148.2



66.5°	1178.8	1174.0	1165.0	1162.0	1159.0
67°	1149.4	1144.0	1135.6	1132.6	1130.2



89°	17.5	17.2	17.0	17.9	18.2
89.5°	7.7	7.9	7.7	8.2	8.1



111.5°	1.5	1.3	1.4	1.4	1.3
112°	1.5	1.4	1.4	1.4	1.5



134°	3.1	3.0	2.9	2.9	3.1
134.5°	3.1	2.9	2.9	2.8	2.9



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



179°	2.6	2.5	2.4	2.5	2.6
179.5°	2.3	2.4	2.3	2.3	2.5



(END OF REPORT)