

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-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-L830-CFR2
Description: 9000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 3000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

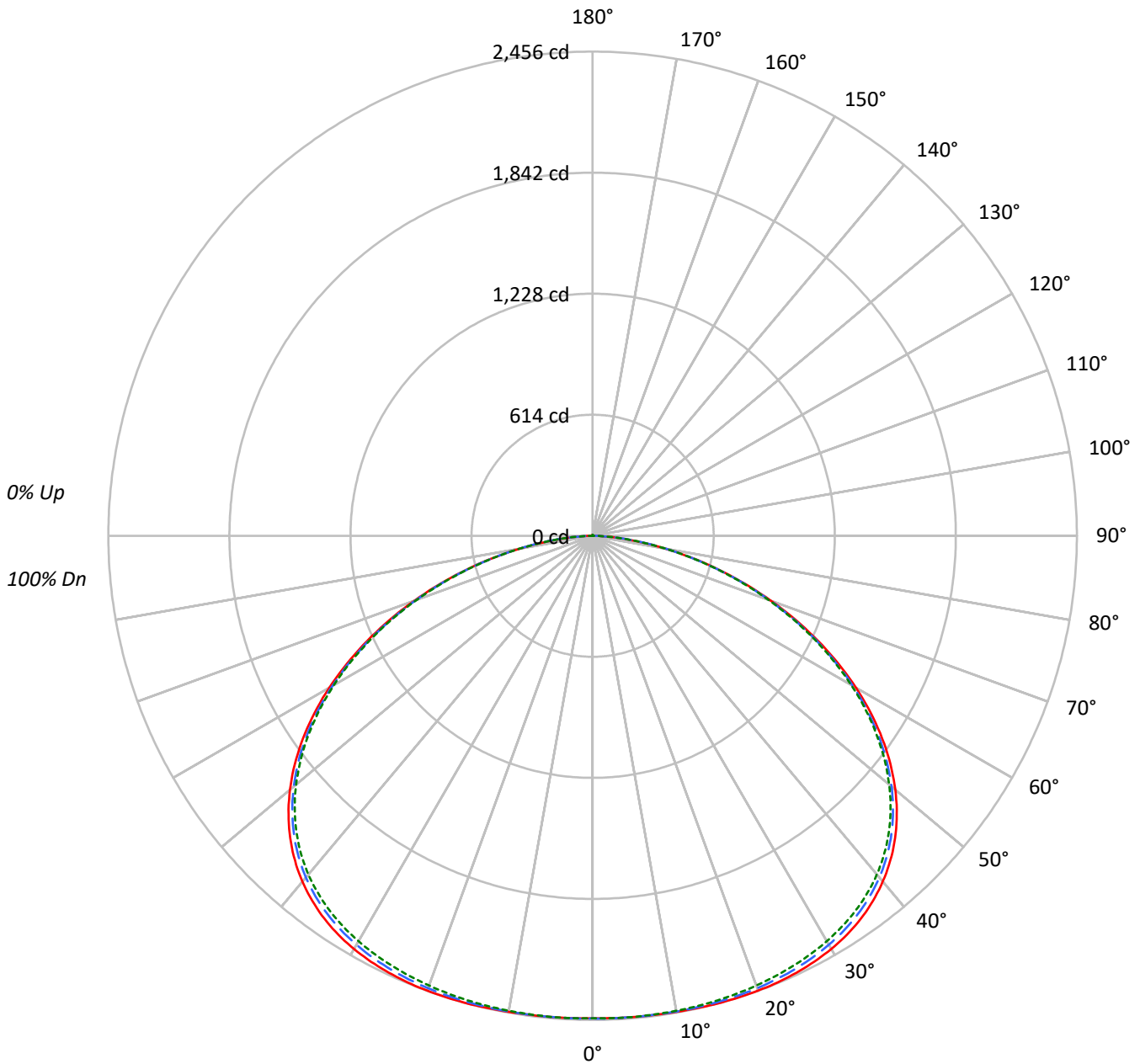
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8863.0 lumens
Efficiency: N/A
Efficacy: 127.7 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°	1747	1747	1747
5°	1756	1756	1755
10°	1778	1776	1773
15°	1815	1810	1804
20°	1865	1855	1845
25°	1926	1911	1896
30°	1995	1975	1957
35°	2067	2043	2024
40°	2134	2108	2090
45°	2190	2163	2144
50°	2225	2198	2180
55°	2232	2205	2188
60°	2203	2175	2163
65°	2131	2107	2097
70°	2009	1988	1978
75°	1820	1808	1800
80°	1548	1553	1536
85°	1153	1181	1180



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.9	2.6
10°-20°	693.7	7.8
20°-30°	1121.5	12.7
30°-40°	1468.9	16.6
40°-50°	1652.3	18.6
50°-60°	1581.0	17.8
60°-70°	1233.1	13.9
70°-80°	694.9	7.8
80°-90°	172.0	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°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2049.1	23.1
0°-40°	3518.0	39.7
0°-60°	6751.3	76.2
0°-90°	8851.3	99.9
90°-120°	3.4	0.0
90°-150°	9.8	0.1
90°-180°	12.0	0.1
0°-180°	8863.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2448	2448	2448	2448	2448	
5°	2450	2451	2450	2450	2450	234
15°	2456	2455	2449	2444	2440	696
25°	2445	2441	2426	2412	2407	1130
35°	2371	2364	2344	2330	2323	1485
45°	2169	2159	2142	2132	2124	1671
55°	1793	1784	1771	1764	1758	1599
65°	1262	1257	1247	1244	1241	1245
75°	660	660	656	654	652	699
85°	141	143	144	145	144	163
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°	2447.7	2447.7	2447.7	2447.7	2447.7
0.5°	2447.1	2448.9	2449.5	2448.9	2447.7
1°	2447.7	2448.9	2449.5	2449.5	2448.3
1.5°	2448.3	2449.5	2449.5	2449.5	2448.9
2°	2448.3	2449.5	2449.5	2450.1	2448.9
2.5°	2448.9	2450.1	2450.1	2450.1	2448.9
3°	2449.5	2450.1	2450.1	2450.1	2449.5
3.5°	2449.5	2450.1	2450.1	2450.1	2449.5
4°	2450.1	2450.1	2450.1	2450.1	2449.5
4.5°	2450.1	2450.7	2450.1	2450.1	2449.5
5°	2450.1	2450.7	2450.1	2450.1	2449.5
5.5°	2450.1	2450.7	2450.1	2450.1	2449.5
6°	2450.7	2450.7	2450.1	2450.1	2448.9
6.5°	2450.7	2451.3	2450.7	2450.1	2448.9
7°	2450.7	2451.3	2450.1	2450.1	2448.9
7.5°	2450.7	2451.3	2450.1	2449.5	2448.3
8°	2451.3	2451.3	2450.7	2449.5	2448.3
8.5°	2451.3	2451.9	2450.1	2449.5	2447.7
9°	2451.9	2451.9	2450.7	2448.9	2447.7
9.5°	2451.9	2452.5	2450.1	2448.9	2447.1
10°	2452.5	2452.5	2450.1	2448.3	2446.5
10.5°	2453.1	2453.1	2450.1	2448.3	2446.5
11°	2453.1	2453.1	2450.1	2447.7	2445.9
11.5°	2453.7	2453.7	2450.1	2447.1	2445.3
12°	2453.7	2453.7	2450.1	2447.1	2444.7
12.5°	2454.3	2453.7	2449.5	2446.5	2444.1
13°	2454.3	2453.7	2449.5	2445.9	2443.5
13.5°	2454.9	2454.3	2449.5	2445.3	2442.9
14°	2454.9	2454.3	2449.5	2444.7	2441.7
14.5°	2455.5	2454.3	2448.9	2444.1	2441.1
15°	2455.5	2454.9	2448.9	2443.5	2440.5
15.5°	2456.1	2454.9	2448.3	2442.3	2439.3
16°	2455.5	2454.9	2447.7	2441.7	2438.2
16.5°	2456.1	2454.9	2447.7	2440.5	2437.0
17°	2456.1	2454.3	2447.1	2439.3	2436.4
17.5°	2456.1	2454.3	2445.9	2438.7	2435.2
18°	2456.1	2454.3	2445.3	2437.6	2433.4
18.5°	2456.1	2453.7	2444.7	2436.4	2432.2
19°	2455.5	2453.7	2444.1	2435.2	2431.0
19.5°	2455.5	2453.1	2442.9	2433.4	2429.2
20°	2454.9	2452.5	2441.7	2432.2	2428.0
20.5°	2454.3	2451.9	2441.1	2431.0	2426.2
21°	2454.3	2451.3	2439.9	2429.2	2424.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	2451.9	2448.3	2435.8	2423.8	2418.5
23°	2450.7	2447.1	2434.0	2422.0	2416.7
23.5°	2449.5	2445.9	2432.2	2419.6	2414.3
24°	2448.3	2444.7	2430.4	2417.3	2411.9
24.5°	2447.1	2442.9	2428.6	2414.9	2409.5
25°	2445.3	2441.1	2426.2	2412.5	2407.1
25.5°	2443.5	2439.3	2423.8	2410.1	2404.1
26°	2441.7	2437.6	2421.4	2407.7	2401.7
26.5°	2439.9	2435.2	2419.0	2404.7	2398.7
27°	2437.6	2432.8	2416.1	2401.7	2395.8
27.5°	2435.2	2430.4	2413.1	2398.7	2392.8
28°	2432.8	2427.4	2410.1	2395.8	2389.8
28.5°	2429.8	2424.4	2407.1	2392.2	2386.2
29°	2426.8	2421.4	2403.5	2388.6	2382.6
29.5°	2423.8	2417.9	2399.9	2385.0	2378.5
30°	2420.2	2414.3	2395.8	2380.8	2374.3
30.5°	2416.7	2410.7	2391.6	2376.7	2370.7
31°	2412.5	2406.5	2387.4	2372.5	2365.9
31.5°	2408.9	2402.3	2382.6	2368.3	2361.7
32°	2404.1	2397.6	2378.5	2363.5	2357.0
32.5°	2399.3	2392.8	2373.1	2358.2	2351.6
33°	2394.6	2387.4	2367.7	2353.4	2346.2
33.5°	2389.2	2382.0	2362.3	2348.0	2340.8
34°	2383.2	2376.1	2356.4	2342.0	2335.5
34.5°	2377.3	2370.1	2350.4	2336.1	2329.5
35°	2371.3	2363.5	2343.8	2329.5	2322.9
35.5°	2364.7	2357.0	2337.3	2322.9	2316.4
36°	2358.2	2349.8	2330.1	2316.4	2309.2
36.5°	2350.4	2342.6	2322.9	2309.2	2302.6
37°	2342.6	2334.9	2315.2	2301.4	2294.9
37.5°	2334.9	2326.5	2307.4	2293.7	2286.5
38°	2326.5	2318.8	2299.0	2285.9	2278.8
38.5°	2318.2	2309.8	2290.1	2277.0	2270.4
39°	2309.2	2300.2	2281.1	2268.6	2261.4
39.5°	2299.6	2290.7	2272.2	2259.1	2252.5
40°	2289.5	2281.1	2262.0	2249.5	2242.9
40.5°	2279.9	2271.0	2251.9	2239.9	2232.8
41°	2269.2	2260.2	2241.7	2229.2	2222.0
41.5°	2257.9	2248.9	2230.4	2218.5	2211.3
42°	2246.5	2237.6	2219.1	2207.7	2199.9
42.5°	2234.6	2225.6	2207.1	2195.8	2188.6
43°	2222.6	2213.1	2195.2	2183.8	2176.7
43.5°	2210.1	2200.5	2182.6	2171.3	2164.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	2168.9	2159.4	2142.0	2131.9	2124.1
45.5°	2154.6	2144.4	2127.7	2117.6	2110.4
46°	2139.7	2129.5	2112.8	2102.6	2095.5
46.5°	2124.1	2114.0	2097.9	2087.7	2080.5
47°	2108.0	2098.5	2081.7	2072.8	2065.0
47.5°	2091.9	2081.7	2065.6	2056.7	2048.9
48°	2075.8	2065.0	2049.5	2040.0	2032.2
48.5°	2058.5	2048.3	2032.8	2023.8	2016.7
49°	2040.0	2030.4	2014.9	2005.3	1998.8
49.5°	2022.0	2012.5	1997.0	1988.0	1980.8
50°	2003.5	1993.4	1979.1	1970.1	1962.9
50.5°	1984.4	1974.3	1960.0	1951.0	1944.4
51°	1965.3	1955.2	1940.8	1931.9	1924.7
51.5°	1945.0	1934.9	1920.6	1912.2	1905.6
52°	1924.7	1914.6	1900.3	1892.5	1885.9
52.5°	1904.4	1894.3	1880.0	1871.6	1865.6
53°	1882.3	1872.8	1859.7	1851.9	1845.3
53.5°	1860.3	1850.7	1837.6	1829.8	1823.8
54°	1838.2	1828.6	1815.5	1807.7	1802.3
54.5°	1816.7	1806.5	1794.0	1786.2	1780.9
55°	1793.4	1783.8	1771.3	1763.5	1758.2
55.5°	1770.1	1760.6	1748.0	1740.3	1735.5
56°	1745.6	1736.7	1724.1	1717.6	1712.8
56.5°	1721.2	1712.8	1700.3	1693.7	1688.9
57°	1697.3	1688.3	1676.4	1670.4	1665.6
57.5°	1673.4	1663.8	1651.9	1645.9	1641.2
58°	1647.1	1638.2	1626.8	1620.9	1616.7
58.5°	1621.5	1613.1	1601.2	1595.8	1591.6
59°	1595.8	1587.4	1576.1	1570.7	1566.5
59.5°	1568.9	1561.2	1549.8	1544.4	1540.3
60°	1542.7	1534.3	1523.5	1518.8	1514.6
60.5°	1515.8	1508.6	1497.3	1492.5	1488.3
61°	1488.3	1481.2	1470.4	1465.6	1461.5
61.5°	1460.3	1454.3	1443.5	1438.8	1435.2
62°	1432.8	1426.8	1416.1	1411.9	1408.3
62.5°	1404.7	1398.8	1388.0	1383.8	1380.3
63°	1376.7	1370.7	1360.6	1356.4	1352.8
63.5°	1348.0	1342.1	1332.5	1328.3	1324.7
64°	1319.4	1313.4	1303.3	1300.3	1296.1
64.5°	1290.7	1284.7	1274.6	1271.6	1268.0
65°	1261.5	1256.7	1247.1	1243.6	1241.2
65.5°	1232.8	1226.8	1217.9	1214.9	1211.3
66°	1202.4	1197.6	1188.6	1185.6	1183.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1114.0	1108.6	1100.9	1097.9	1094.9
68°	1083.6	1078.8	1071.0	1068.6	1065.6
68.5°	1053.1	1048.3	1040.6	1038.8	1037.0
69°	1022.7	1017.9	1011.3	1009.5	1007.1
69.5°	992.8	988.0	982.1	980.3	977.3
70°	962.4	958.2	952.2	950.4	947.4
70.5°	931.9	927.7	922.4	920.6	917.6
71°	901.5	897.9	893.1	890.7	887.7
71.5°	871.6	868.0	862.7	860.9	858.5
72°	841.2	838.2	832.8	831.6	828.6
72.5°	810.7	808.3	803.0	801.8	799.4
73°	780.3	777.9	772.5	771.3	769.5
73.5°	750.4	748.0	743.3	741.5	739.7
74°	720.6	718.8	714.0	712.8	710.4
74.5°	690.1	688.9	684.8	683.0	681.2
75°	659.7	659.7	655.5	654.3	652.5
75.5°	630.4	630.4	626.3	625.1	623.3
76°	601.2	601.2	597.0	595.9	593.5
76.5°	571.6	571.9	568.3	567.1	565.1
77°	543.3	543.6	540.4	538.8	536.8
77.5°	513.1	514.5	511.9	510.4	508.5
78°	484.8	486.6	483.9	482.8	481.1
78.5°	458.2	459.3	457.6	456.2	453.9
79°	430.3	431.2	430.1	428.9	426.6
79.5°	402.9	404.3	403.6	402.5	399.9
80°	376.5	377.6	377.8	376.2	373.7
80.5°	348.8	351.0	351.4	349.8	348.5
81°	323.2	325.3	325.9	324.9	323.3
81.5°	298.0	300.5	301.0	300.5	298.3
82°	272.8	275.8	276.7	276.2	273.8
82.5°	248.7	252.0	252.9	252.6	250.4
83°	225.2	228.9	229.8	230.1	228.1
83.5°	202.6	206.1	207.2	207.6	205.4
84°	180.9	184.0	185.4	186.0	184.2
84.5°	160.2	162.7	164.5	165.2	164.4
85°	140.8	142.6	144.2	145.3	144.0
85.5°	121.9	123.3	124.5	126.2	125.2
86°	104.4	105.8	106.6	107.9	107.9
86.5°	87.6	88.3	89.0	90.5	90.5
87°	71.6	71.7	71.9	73.9	74.0
87.5°	55.3	55.8	56.0	57.7	58.3
88°	39.0	40.4	40.7	42.3	42.2
88.5°	27.6	27.6	27.5	29.1	29.5



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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-L830-CFR2

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°	2.1	2.1	2.1	2.1	1.9
117.5°	2.3	2.1	2.2	2.1	2.0
118°	2.3	2.2	2.3	2.2	2.1
118.5°	2.4	2.3	2.3	2.3	2.2
119°	2.4	2.4	2.5	2.3	2.3
119.5°	2.5	2.5	2.5	2.4	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°	3.0	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	3.0	2.9	3.0
124°	3.2	3.2	3.2	3.0	3.0
124.5°	3.3	3.2	3.2	3.1	3.1
125°	3.5	3.3	3.3	3.2	3.2
125.5°	3.5	3.4	3.3	3.2	3.3
126°	3.5	3.3	3.3	3.3	3.2
126.5°	3.3	3.4	3.5	3.3	3.3
127°	3.5	3.5	3.3	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	3.3
128.5°	3.5	3.5	3.3	3.2	3.3
129°	3.4	3.4	3.3	3.3	3.2
129.5°	3.3	3.4	3.3	3.3	3.3
130°	3.3	3.4	3.3	3.2	3.2
130.5°	3.5	3.3	3.3	3.0	3.2
131°	3.3	3.3	3.3	3.1	3.2
131.5°	3.3	3.2	3.1	3.0	3.1
132°	3.3	3.2	3.2	3.0	3.0
132.5°	3.3	3.2	3.1	3.0	3.1
133°	3.2	3.0	3.0	2.9	3.0
133.5°	3.2	3.0	2.9	2.8	3.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	3.1	2.9	2.8	2.7	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	2.7	2.7	2.6	2.7
137.5°	2.8	2.7	2.6	2.4	2.6
138°	2.7	2.6	2.5	2.4	2.6
138.5°	2.8	2.6	2.6	2.4	2.6
139°	2.4	2.6	2.5	2.3	2.6
139.5°	2.6	2.4	2.4	2.3	2.6
140°	2.6	2.4	2.4	2.3	2.4
140.5°	2.6	2.4	2.4	2.3	2.4
141°	2.4	2.4	2.3	2.1	2.3
141.5°	2.3	2.4	2.4	2.1	2.3
142°	2.2	2.2	2.3	2.2	2.1
142.5°	2.2	2.3	2.3	2.1	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	2.1	2.3	2.0	2.1
144.5°	2.2	2.1	2.2	2.1	2.1
145°	2.3	2.1	2.2	2.0	2.1
145.5°	2.2	2.1	2.1	2.0	2.3
146°	2.2	2.1	2.0	2.0	2.1
146.5°	2.3	2.1	2.0	2.0	2.1
147°	2.2	2.1	2.0	2.0	2.0
147.5°	2.1	2.1	2.0	2.0	2.2
148°	2.2	2.1	2.0	2.0	2.2
148.5°	2.3	2.1	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	2.1	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	2.1	2.0	2.0	2.3
152°	2.3	2.1	2.1	2.1	2.2
152.5°	2.3	2.2	2.0	2.1	2.3
153°	2.3	2.1	2.1	2.2	2.4
153.5°	2.4	2.2	2.0	2.1	2.3
154°	2.3	2.2	2.1	2.1	2.3
154.5°	2.3	2.1	2.1	2.3	2.4
155°	2.2	2.2	2.2	2.3	2.4
155.5°	2.3	2.1	2.1	2.2	2.4
156°	2.2	2.2	2.2	2.2	2.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-90-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	2.2	2.1	2.1	2.3	2.3
158°	2.4	2.2	2.1	2.2	2.4
158.5°	2.3	2.2	2.1	2.2	2.3
159°	2.3	2.2	2.1	2.2	2.4
159.5°	2.3	2.1	2.1	2.2	2.5
160°	2.3	2.2	2.1	2.2	2.4
160.5°	2.2	2.1	2.1	2.3	2.4
161°	2.2	2.1	2.1	2.3	2.4
161.5°	2.3	2.2	2.1	2.1	2.3
162°	2.2	2.1	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	2.4
164°	2.2	2.3	2.2	2.4	2.4
164.5°	2.1	2.3	2.3	2.4	2.4
165°	2.2	2.2	2.1	2.3	2.4
165.5°	2.1	2.2	2.1	2.5	2.4
166°	2.3	2.3	2.2	2.4	2.3
166.5°	2.3	2.2	2.1	2.4	2.2
167°	2.2	2.4	2.2	2.5	2.4
167.5°	2.3	2.4	2.3	2.6	2.4
168°	2.3	2.3	2.2	2.5	2.4
168.5°	2.3	2.4	2.3	2.7	2.4
169°	2.4	2.4	2.2	2.7	2.4
169.5°	2.4	2.4	2.3	2.6	2.5
170°	2.4	2.4	2.3	2.7	2.4
170.5°	2.4	2.5	2.3	2.7	2.6
171°	2.4	2.4	2.4	2.7	2.6
171.5°	2.4	2.4	2.4	2.7	2.5
172°	2.4	2.4	2.5	2.7	2.6
172.5°	2.5	2.5	2.6	2.7	2.6
173°	2.4	2.4	2.6	2.7	2.6
173.5°	2.6	2.5	2.6	2.7	2.7
174°	2.6	2.6	2.8	2.7	2.6
174.5°	2.6	2.7	2.7	2.9	2.7
175°	2.8	2.7	2.8	2.9	2.7
175.5°	2.8	2.7	2.9	2.8	2.8
176°	2.9	2.9	2.8	2.7	2.7
176.5°	3.0	2.8	2.9	2.6	2.7
177°	2.9	2.8	2.7	2.6	2.7
177.5°	2.9	2.8	2.6	2.6	2.8
178°	2.7	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-L830-CFR2

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°	2453.7	2450.7	2438.7	2427.4	2422.6
22°	2452.5	2449.5	2437.0	2425.6	2420.8



44°	2196.4	2187.4	2169.5	2158.8	2151.6
44.5°	2182.6	2173.1	2156.4	2145.0	2137.9



66.5°	1173.1	1168.3	1159.4	1156.4	1153.4
67°	1143.9	1138.5	1130.1	1127.1	1124.7



89°	17.4	17.1	17.0	17.9	18.1
89.5°	7.7	7.8	7.6	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°	3.0	3.0	2.9	2.9	3.0
134.5°	3.1	2.9	2.9	2.7	2.9



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



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



(END OF REPORT)