

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-110-L835-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-110-L835-CFR2
Description: 11000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 3500K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

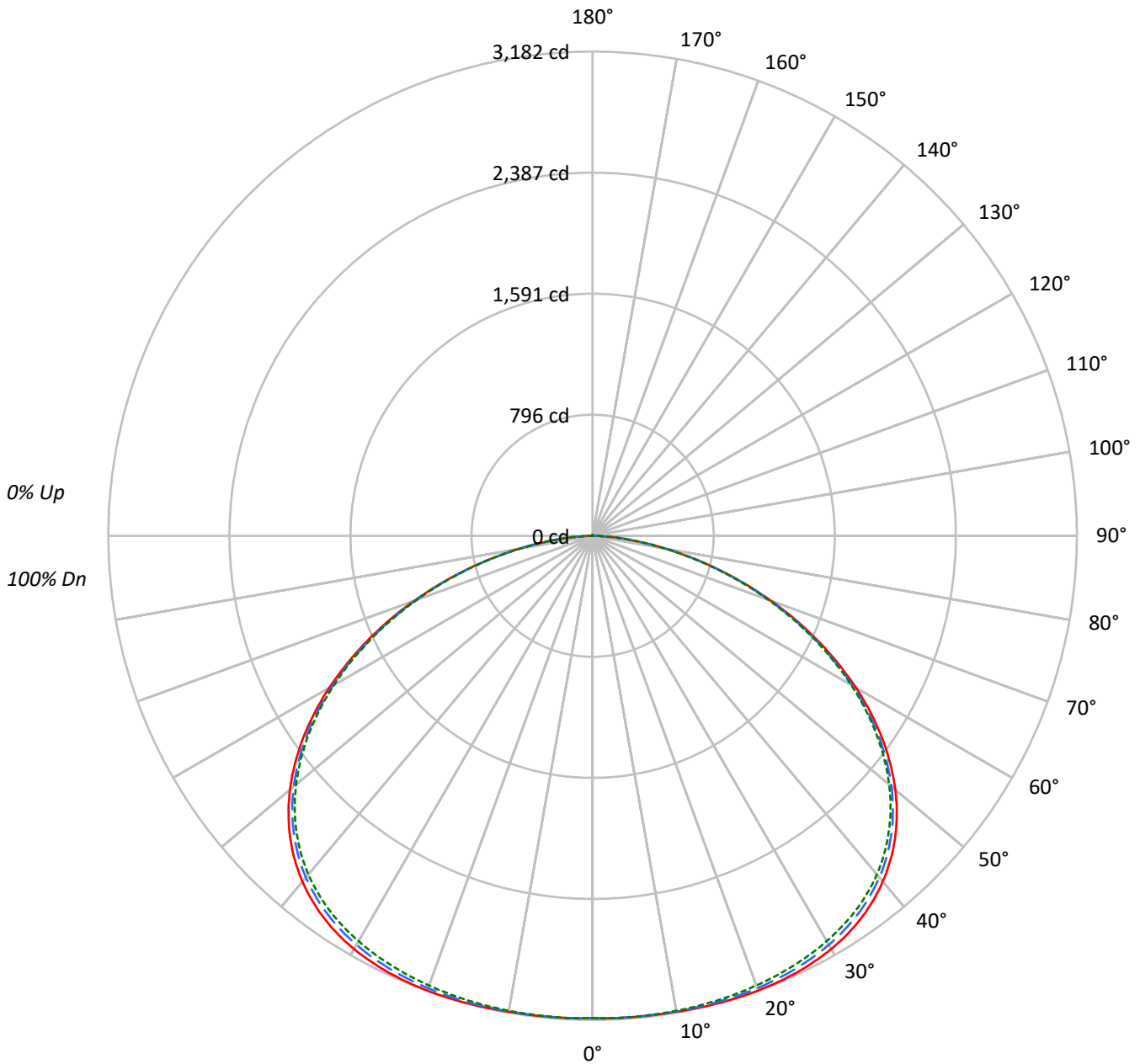
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11482.0 lumens
Efficiency: N/A
Efficacy: 132.6 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): 86.6
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

TEST NUMBER: P#
CATALOG NUMBER: 44ID-110-L835-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

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°	2264	2264	2264
5°	2275	2275	2274
10°	2303	2301	2298
15°	2351	2345	2337
20°	2416	2403	2390
25°	2495	2476	2456
30°	2585	2558	2536
35°	2677	2646	2623
40°	2764	2731	2708
45°	2837	2802	2778
50°	2883	2848	2824
55°	2892	2856	2835
60°	2853	2818	2801
65°	2761	2729	2716
70°	2602	2575	2562
75°	2357	2342	2332
80°	2005	2012	1991
85°	1494	1530	1528



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.0	2.6
10°-20°	898.7	7.8
20°-30°	1452.9	12.7
30°-40°	1903.0	16.6
40°-50°	2140.5	18.6
50°-60°	2048.2	17.8
60°-70°	1597.5	13.9
70°-80°	900.3	7.8
80°-90°	222.8	1.9
90°-100°	0.8	0.0
100°-110°	1.3	0.0
110°-120°	2.3	0.0
120°-130°	3.6	0.0
130°-140°	2.9	0.0
140°-150°	1.8	0.0
150°-160°	1.3	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	2654.6	23.1
0°-40°	4557.6	39.7
0°-60°	8746.3	76.2
0°-90°	11466.8	99.9
90°-120°	4.4	0.0
90°-150°	12.7	0.1
90°-180°	15.0	0.1
0°-180°	11482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3171	3171	3171	3171	3171	
5°	3174	3175	3174	3174	3173	303
15°	3181	3180	3172	3166	3162	902
25°	3168	3162	3143	3125	3118	1464
35°	3072	3062	3036	3018	3009	1923
45°	2810	2797	2775	2762	2752	2164
55°	2323	2311	2295	2285	2278	2071
65°	1634	1628	1616	1611	1608	1613
75°	855	855	849	848	845	906
85°	182	185	187	188	186	211
90°	2	2	2	2	2	9
95°	1	0	1	1	1	1
105°	1	1	1	1	1	1
115°	2	2	2	2	2	2
125°	4	4	4	4	4	4
135°	4	4	4	4	4	3
145°	3	3	3	3	3	2
155°	3	3	3	3	3	1
165°	3	3	3	3	3	1
175°	4	4	4	4	4	0
180°	3	3	3	3	3	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3171.0	3171.0	3171.0	3171.0	3171.0
0.5°	3170.2	3172.5	3173.3	3172.5	3171.0
1°	3171.0	3172.5	3173.3	3173.3	3171.8
1.5°	3171.8	3173.3	3173.3	3173.3	3172.5
2°	3171.8	3173.3	3173.3	3174.1	3172.5
2.5°	3172.5	3174.1	3174.1	3174.1	3172.5
3°	3173.3	3174.1	3174.1	3174.1	3173.3
3.5°	3173.3	3174.1	3174.1	3174.1	3173.3
4°	3174.1	3174.1	3174.1	3174.1	3173.3
4.5°	3174.1	3174.9	3174.1	3174.1	3173.3
5°	3174.1	3174.9	3174.1	3174.1	3173.3
5.5°	3174.1	3174.9	3174.1	3174.1	3173.3
6°	3174.9	3174.9	3174.1	3174.1	3172.5
6.5°	3174.9	3175.6	3174.9	3174.1	3172.5
7°	3174.9	3175.6	3174.1	3174.1	3172.5
7.5°	3174.9	3175.6	3174.1	3173.3	3171.8
8°	3175.6	3175.6	3174.9	3173.3	3171.8
8.5°	3175.6	3176.4	3174.1	3173.3	3171.0
9°	3176.4	3176.4	3174.9	3172.5	3171.0
9.5°	3176.4	3177.2	3174.1	3172.5	3170.2
10°	3177.2	3177.2	3174.1	3171.8	3169.4
10.5°	3178.0	3178.0	3174.1	3171.8	3169.4
11°	3178.0	3178.0	3174.1	3171.0	3168.7
11.5°	3178.7	3178.7	3174.1	3170.2	3167.9
12°	3178.7	3178.7	3174.1	3170.2	3167.1
12.5°	3179.5	3178.7	3173.3	3169.4	3166.4
13°	3179.5	3178.7	3173.3	3168.7	3165.6
13.5°	3180.3	3179.5	3173.3	3167.9	3164.8
14°	3180.3	3179.5	3173.3	3167.1	3163.3
14.5°	3181.0	3179.5	3172.5	3166.4	3162.5
15°	3181.0	3180.3	3172.5	3165.6	3161.7
15.5°	3181.8	3180.3	3171.8	3164.0	3160.2
16°	3181.0	3180.3	3171.0	3163.3	3158.6
16.5°	3181.8	3180.3	3171.0	3161.7	3157.1
17°	3181.8	3179.5	3170.2	3160.2	3156.3
17.5°	3181.8	3179.5	3168.7	3159.4	3154.8
18°	3181.8	3179.5	3167.9	3157.8	3152.4
18.5°	3181.8	3178.7	3167.1	3156.3	3150.9
19°	3181.0	3178.7	3166.4	3154.8	3149.3
19.5°	3181.0	3178.0	3164.8	3152.4	3147.0
20°	3180.3	3177.2	3163.3	3150.9	3145.5
20.5°	3179.5	3176.4	3162.5	3149.3	3143.2
21°	3179.5	3175.6	3160.9	3147.0	3140.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	3176.4	3171.8	3155.5	3140.1	3133.1
23°	3174.9	3170.2	3153.2	3137.7	3130.8
23.5°	3173.3	3168.7	3150.9	3134.6	3127.7
24°	3171.8	3167.1	3148.6	3131.6	3124.6
24.5°	3170.2	3164.8	3146.2	3128.5	3121.5
25°	3167.9	3162.5	3143.2	3125.4	3118.4
25.5°	3165.6	3160.2	3140.1	3122.3	3114.5
26°	3163.3	3157.8	3137.0	3119.2	3111.4
26.5°	3160.9	3154.8	3133.9	3115.3	3107.6
27°	3157.8	3151.7	3130.0	3111.4	3103.7
27.5°	3154.8	3148.6	3126.1	3107.6	3099.8
28°	3151.7	3144.7	3122.3	3103.7	3096.0
28.5°	3147.8	3140.8	3118.4	3099.1	3091.3
29°	3143.9	3137.0	3113.8	3094.4	3086.7
29.5°	3140.1	3132.3	3109.1	3089.8	3081.3
30°	3135.4	3127.7	3103.7	3084.4	3075.9
30.5°	3130.8	3123.0	3098.3	3079.0	3071.2
31°	3125.4	3117.6	3092.9	3073.5	3065.0
31.5°	3120.7	3112.2	3086.7	3068.1	3059.6
32°	3114.5	3106.0	3081.3	3061.9	3053.4
32.5°	3108.3	3099.8	3074.3	3055.0	3046.5
33°	3102.2	3092.9	3067.4	3048.8	3039.5
33.5°	3095.2	3085.9	3060.4	3041.8	3032.6
34°	3087.5	3078.2	3052.7	3034.1	3025.6
34.5°	3079.7	3070.5	3044.9	3026.4	3017.9
35°	3072.0	3061.9	3036.4	3017.9	3009.4
35.5°	3063.5	3053.4	3027.9	3009.4	3000.8
36°	3055.0	3044.2	3018.6	3000.8	2991.6
36.5°	3044.9	3034.9	3009.4	2991.6	2983.1
37°	3034.9	3024.8	2999.3	2981.5	2973.0
37.5°	3024.8	3014.0	2989.2	2971.5	2962.2
38°	3014.0	3003.9	2978.4	2961.4	2952.1
38.5°	3003.2	2992.3	2966.8	2949.8	2941.3
39°	2991.6	2980.0	2955.2	2939.0	2929.7
39.5°	2979.2	2967.6	2943.6	2926.6	2918.1
40°	2966.0	2955.2	2930.5	2914.2	2905.7
40.5°	2953.7	2942.1	2917.3	2901.8	2892.6
41°	2939.7	2928.1	2904.2	2887.9	2878.6
41.5°	2925.0	2913.4	2889.5	2874.0	2864.7
42°	2910.4	2898.8	2874.8	2860.1	2850.0
42.5°	2894.9	2883.3	2859.3	2844.6	2835.3
43°	2879.4	2867.0	2843.8	2829.1	2819.9
43.5°	2863.2	2850.8	2827.6	2812.9	2803.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	2809.8	2797.4	2775.0	2761.9	2751.8
45.5°	2791.2	2778.1	2756.4	2743.3	2734.0
46°	2771.9	2758.8	2737.1	2724.0	2714.7
46.5°	2751.8	2738.7	2717.8	2704.6	2695.3
47°	2730.9	2718.5	2696.9	2685.3	2675.2
47.5°	2710.0	2696.9	2676.0	2664.4	2654.4
48°	2689.2	2675.2	2655.1	2642.8	2632.7
48.5°	2666.7	2653.6	2633.5	2621.9	2612.6
49°	2642.8	2630.4	2610.3	2597.9	2589.4
49.5°	2619.6	2607.2	2587.1	2575.5	2566.2
50°	2595.6	2582.4	2563.9	2552.3	2543.0
50.5°	2570.8	2557.7	2539.1	2527.5	2519.0
51°	2546.1	2532.9	2514.4	2502.8	2493.5
51.5°	2519.8	2506.6	2488.1	2477.2	2468.7
52°	2493.5	2480.3	2461.8	2451.7	2443.2
52.5°	2467.2	2454.0	2435.5	2424.7	2416.9
53°	2438.6	2426.2	2409.2	2399.1	2390.6
53.5°	2410.0	2397.6	2380.6	2370.5	2362.8
54°	2381.3	2369.0	2352.0	2341.9	2334.9
54.5°	2353.5	2340.3	2324.1	2314.1	2307.1
55°	2323.3	2311.0	2294.7	2284.7	2277.7
55.5°	2293.2	2280.8	2264.6	2254.5	2248.3
56°	2261.5	2249.9	2233.6	2225.1	2218.9
56.5°	2229.8	2218.9	2202.7	2194.2	2188.0
57°	2198.8	2187.2	2171.7	2164.0	2157.8
57.5°	2167.9	2155.5	2140.0	2132.3	2126.1
58°	2133.8	2122.2	2107.6	2099.8	2094.4
58.5°	2100.6	2089.8	2074.3	2067.3	2061.9
59°	2067.3	2056.5	2041.8	2034.9	2029.4
59.5°	2032.5	2022.5	2007.8	2000.8	1995.4
60°	1998.5	1987.7	1973.8	1967.6	1962.1
60.5°	1963.7	1954.4	1939.7	1933.5	1928.1
61°	1928.1	1918.8	1904.9	1898.7	1893.3
61.5°	1891.8	1884.0	1870.1	1863.9	1859.3
62°	1856.2	1848.5	1834.5	1829.1	1824.5
62.5°	1819.8	1812.1	1798.2	1792.8	1788.1
63°	1783.5	1775.8	1762.6	1757.2	1752.6
63.5°	1746.4	1738.6	1726.3	1720.8	1716.2
64°	1709.2	1701.5	1688.4	1684.5	1679.1
64.5°	1672.1	1664.4	1651.2	1647.4	1642.7
65°	1634.2	1628.0	1615.7	1611.0	1607.9
65.5°	1597.1	1589.4	1577.8	1573.9	1569.3
66°	1557.7	1551.5	1539.9	1536.0	1532.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1443.2	1436.2	1426.2	1422.3	1418.4
68°	1403.7	1397.6	1387.5	1384.4	1380.5
68.5°	1364.3	1358.1	1348.1	1345.7	1343.4
69°	1324.9	1318.7	1310.2	1307.8	1304.7
69.5°	1286.2	1280.0	1272.3	1269.9	1266.1
70°	1246.7	1241.3	1233.6	1231.3	1227.4
70.5°	1207.3	1201.9	1194.9	1192.6	1188.7
71°	1167.9	1163.2	1157.0	1153.9	1150.1
71.5°	1129.2	1124.5	1117.6	1115.3	1112.2
72°	1089.7	1085.9	1078.9	1077.4	1073.5
72.5°	1050.3	1047.2	1040.2	1038.7	1035.6
73°	1010.9	1007.8	1000.8	999.3	996.9
73.5°	972.2	969.1	962.9	960.6	958.3
74°	933.5	931.2	925.0	923.5	920.4
74.5°	894.1	892.5	887.1	884.8	882.5
75°	854.6	854.6	849.2	847.7	845.3
75.5°	816.7	816.7	811.3	809.8	807.4
76°	778.8	778.8	773.4	771.9	768.9
76.5°	740.5	740.9	736.3	734.7	732.1
77°	703.9	704.2	700.1	698.0	695.5
77.5°	664.7	666.5	663.1	661.3	658.7
78°	628.1	630.4	626.9	625.5	623.3
78.5°	593.6	595.1	592.8	591.0	588.0
79°	557.5	558.6	557.2	555.6	552.7
79.5°	521.9	523.8	522.8	521.4	518.0
80°	487.8	489.2	489.4	487.3	484.2
80.5°	451.9	454.8	455.2	453.1	451.5
81°	418.7	421.4	422.2	421.0	418.8
81.5°	386.1	389.3	390.0	389.3	386.5
82°	353.4	357.2	358.4	357.9	354.8
82.5°	322.1	326.5	327.7	327.2	324.4
83°	291.8	296.5	297.7	298.1	295.4
83.5°	262.5	267.0	268.5	268.9	266.1
84°	234.3	238.4	240.2	241.0	238.6
84.5°	207.6	210.8	213.1	214.1	212.9
85°	182.4	184.7	186.8	188.2	186.5
85.5°	157.9	159.8	161.3	163.5	162.2
86°	135.2	137.0	138.1	139.8	139.8
86.5°	113.5	114.4	115.2	117.2	117.2
87°	92.8	92.9	93.2	95.7	95.8
87.5°	71.6	72.2	72.5	74.8	75.6
88°	50.5	52.3	52.7	54.8	54.7
88.5°	35.7	35.7	35.7	37.7	38.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	1.7	1.6	1.7	1.8	1.6
90.5°	0.5	0.5	0.5	0.6	0.5
91°	0.5	0.5	0.5	0.5	0.5
91.5°	0.7	0.5	0.6	0.5	0.4
92°	0.5	0.5	0.5	0.6	0.5
92.5°	0.6	0.5	0.5	0.6	0.5
93°	0.6	0.6	0.6	0.5	0.5
93.5°	0.7	0.5	0.6	0.6	0.7
94°	0.7	0.6	0.7	0.6	0.8
94.5°	0.7	0.7	0.6	0.7	0.7
95°	0.7	0.5	0.7	0.6	0.8
95.5°	0.6	0.7	0.8	0.7	0.8
96°	0.9	0.9	0.7	0.7	0.8
96.5°	0.9	0.8	0.8	0.7	0.8
97°	0.9	0.8	0.9	0.7	0.9
97.5°	0.9	0.8	0.8	0.7	0.9
98°	1.0	0.9	0.9	0.9	1.0
98.5°	1.0	0.9	0.8	0.8	0.9
99°	0.9	0.9	0.9	0.8	0.9
99.5°	1.0	0.8	0.9	0.9	0.9
100°	1.0	0.9	0.9	0.9	1.0
100.5°	1.0	1.0	0.9	1.0	1.0
101°	1.1	0.9	0.9	0.9	0.9
101.5°	1.2	0.9	1.0	1.0	1.1
102°	1.2	1.0	1.1	1.0	1.1
102.5°	1.1	1.0	1.0	1.1	1.1
103°	1.1	0.9	1.1	1.0	1.1
103.5°	1.2	1.2	1.1	1.1	1.0
104°	1.3	1.2	1.2	1.1	1.0
104.5°	1.2	1.2	1.2	1.2	1.1
105°	1.4	1.2	1.2	1.3	1.3
105.5°	1.3	1.1	1.2	1.2	1.2
106°	1.2	1.2	1.3	1.3	1.4
106.5°	1.4	1.2	1.3	1.2	1.2
107°	1.3	1.3	1.4	1.4	1.2
107.5°	1.5	1.3	1.4	1.5	1.4
108°	1.5	1.3	1.2	1.5	1.3
108.5°	1.5	1.5	1.5	1.4	1.3
109°	1.5	1.5	1.5	1.5	1.5
109.5°	1.6	1.4	1.6	1.5	1.4
110°	1.5	1.5	1.5	1.6	1.5
110.5°	1.6	1.5	1.6	1.6	1.7
111°	1.6	1.7	1.7	1.7	1.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	2.0	1.9	1.8
113°	2.1	1.9	1.9	1.9	1.9
113.5°	2.1	2.1	2.1	2.2	2.2
114°	2.2	2.2	2.2	2.2	2.2
114.5°	2.3	2.3	2.2	2.2	2.1
115°	2.3	2.3	2.2	2.3	2.2
115.5°	2.6	2.3	2.5	2.4	2.2
116°	2.5	2.6	2.6	2.5	2.4
116.5°	2.6	2.6	2.6	2.6	2.6
117°	2.8	2.8	2.8	2.8	2.5
117.5°	2.9	2.8	2.9	2.8	2.6
118°	2.9	2.9	3.0	2.9	2.7
118.5°	3.2	3.0	3.0	2.9	2.9
119°	3.2	3.2	3.2	3.0	3.0
119.5°	3.2	3.2	3.2	3.2	3.1
120°	3.4	3.4	3.3	3.2	3.3
120.5°	3.5	3.3	3.5	3.4	3.3
121°	3.5	3.5	3.5	3.5	3.3
121.5°	3.9	3.7	3.6	3.5	3.5
122°	3.6	3.9	3.7	3.6	3.7
122.5°	3.9	3.9	3.8	3.8	3.6
123°	4.0	4.0	3.9	3.9	3.8
123.5°	4.0	4.2	3.9	3.8	3.9
124°	4.1	4.2	4.1	3.9	3.9
124.5°	4.3	4.2	4.1	4.0	4.0
125°	4.5	4.3	4.3	4.2	4.2
125.5°	4.5	4.4	4.3	4.2	4.3
126°	4.5	4.3	4.3	4.3	4.2
126.5°	4.3	4.4	4.5	4.3	4.3
127°	4.5	4.5	4.3	4.3	4.2
127.5°	4.6	4.6	4.5	4.3	4.2
128°	4.6	4.4	4.4	4.3	4.3
128.5°	4.5	4.5	4.3	4.2	4.3
129°	4.4	4.4	4.3	4.3	4.2
129.5°	4.3	4.4	4.3	4.3	4.3
130°	4.3	4.4	4.3	4.1	4.2
130.5°	4.5	4.3	4.3	3.9	4.2
131°	4.3	4.3	4.3	4.0	4.1
131.5°	4.3	4.2	4.0	3.9	4.0
132°	4.3	4.1	4.1	3.9	3.9
132.5°	4.3	4.1	4.0	3.9	4.0
133°	4.1	3.9	3.9	3.7	3.9
133.5°	4.2	3.9	3.8	3.6	3.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	4.0	3.8	3.6	3.6	3.9
135.5°	3.8	3.9	3.6	3.5	3.7
136°	3.7	3.6	3.5	3.3	3.7
136.5°	3.8	3.6	3.5	3.3	3.6
137°	3.7	3.6	3.5	3.3	3.6
137.5°	3.6	3.5	3.4	3.2	3.4
138°	3.6	3.4	3.2	3.2	3.4
138.5°	3.6	3.4	3.3	3.1	3.3
139°	3.2	3.3	3.2	2.9	3.4
139.5°	3.4	3.2	3.1	3.0	3.3
140°	3.3	3.1	3.2	2.9	3.1
140.5°	3.3	3.1	3.1	2.9	3.1
141°	3.2	3.1	3.0	2.8	2.9
141.5°	2.9	3.1	3.1	2.8	2.9
142°	2.9	2.9	3.0	2.9	2.7
142.5°	2.9	3.0	2.9	2.8	2.7
143°	3.0	2.9	2.9	2.9	2.7
143.5°	3.0	2.9	2.9	2.7	2.7
144°	3.0	2.8	3.0	2.6	2.8
144.5°	2.9	2.8	2.9	2.7	2.8
145°	2.9	2.8	2.9	2.6	2.8
145.5°	2.9	2.7	2.8	2.6	2.9
146°	2.9	2.7	2.6	2.6	2.8
146.5°	2.9	2.7	2.6	2.6	2.8
147°	2.9	2.7	2.6	2.6	2.6
147.5°	2.8	2.7	2.6	2.6	2.9
148°	2.9	2.7	2.6	2.6	2.9
148.5°	2.9	2.8	2.6	2.6	2.9
149°	2.9	2.7	2.6	2.6	2.9
149.5°	3.0	2.6	2.6	2.6	2.9
150°	2.9	2.8	2.6	2.6	2.9
150.5°	2.9	2.7	2.6	2.6	2.9
151°	3.0	2.7	2.6	2.6	3.0
151.5°	2.9	2.8	2.6	2.6	3.0
152°	3.0	2.8	2.7	2.8	2.9
152.5°	3.0	2.9	2.6	2.7	3.0
153°	2.9	2.8	2.7	2.9	3.1
153.5°	3.2	2.9	2.6	2.8	3.0
154°	3.0	2.9	2.8	2.8	3.0
154.5°	3.0	2.8	2.8	2.9	3.1
155°	2.9	2.9	2.9	2.9	3.2
155.5°	3.0	2.8	2.8	2.9	3.1
156°	2.9	2.9	2.9	2.9	3.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	2.9	2.7	2.8	2.9	3.0
158°	3.1	2.9	2.8	2.9	3.1
158.5°	2.9	2.9	2.7	2.9	3.0
159°	3.0	2.9	2.8	2.9	3.2
159.5°	2.9	2.8	2.8	2.9	3.2
160°	2.9	2.9	2.7	2.9	3.1
160.5°	2.9	2.8	2.8	2.9	3.1
161°	2.9	2.8	2.8	2.9	3.1
161.5°	2.9	2.9	2.8	2.8	2.9
162°	2.9	2.8	2.9	2.9	2.9
162.5°	3.0	2.9	2.9	2.9	3.0
163°	3.0	2.9	2.9	2.9	2.9
163.5°	2.9	2.9	2.9	2.9	3.2
164°	2.9	2.9	2.9	3.1	3.1
164.5°	2.8	3.0	2.9	3.1	3.2
165°	2.9	2.9	2.8	3.0	3.1
165.5°	2.7	2.9	2.8	3.2	3.1
166°	2.9	2.9	2.9	3.1	3.0
166.5°	2.9	2.9	2.8	3.2	2.9
167°	2.9	3.1	2.9	3.2	3.2
167.5°	2.9	3.1	2.9	3.3	3.2
168°	3.0	3.0	2.9	3.2	3.1
168.5°	2.9	3.2	3.0	3.5	3.2
169°	3.2	3.1	2.9	3.5	3.2
169.5°	3.1	3.1	2.9	3.4	3.2
170°	3.2	3.1	3.0	3.5	3.2
170.5°	3.2	3.2	3.0	3.5	3.3
171°	3.2	3.2	3.2	3.5	3.4
171.5°	3.1	3.2	3.2	3.6	3.2
172°	3.1	3.2	3.2	3.6	3.3
172.5°	3.2	3.2	3.3	3.6	3.3
173°	3.1	3.1	3.3	3.6	3.4
173.5°	3.3	3.2	3.4	3.5	3.5
174°	3.4	3.4	3.6	3.6	3.4
174.5°	3.4	3.6	3.6	3.7	3.6
175°	3.6	3.6	3.6	3.7	3.5
175.5°	3.6	3.6	3.8	3.6	3.6
176°	3.8	3.7	3.6	3.6	3.6
176.5°	3.9	3.6	3.7	3.4	3.6
177°	3.7	3.6	3.5	3.4	3.6
177.5°	3.8	3.6	3.4	3.3	3.6
178°	3.6	3.5	3.3	3.3	3.4
178.5°	3.5	3.4	3.2	3.2	3.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L835-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.0	3.0	3.0	3.0	3.0



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







21.5°	3178.7	3174.9	3159.4	3144.7	3138.5
22°	3177.2	3173.3	3157.1	3142.4	3136.2



44°	2845.4	2833.8	2810.6	2796.7	2787.4
44.5°	2827.6	2815.2	2793.6	2778.9	2769.6



66.5°	1519.8	1513.6	1502.0	1498.1	1494.2
67°	1481.9	1474.9	1464.1	1460.2	1457.1



89°	22.6	22.2	22.0	23.1	23.4
89.5°	10.0	10.1	9.9	10.6	10.4



111.5°	1.9	1.7	1.8	1.8	1.7
112°	1.9	1.8	1.8	1.8	1.9



134°	3.9	3.9	3.8	3.7	3.9
134.5°	4.0	3.8	3.8	3.6	3.7



156.5°	3.0	2.8	2.9	2.9	3.0
157°	2.9	2.8	2.9	2.9	3.0



179°	3.3	3.2	3.1	3.2	3.3
179.5°	2.9	3.1	3.0	2.9	3.2



(END OF REPORT)