

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-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-110-L840-CFR2
Description: 11000 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

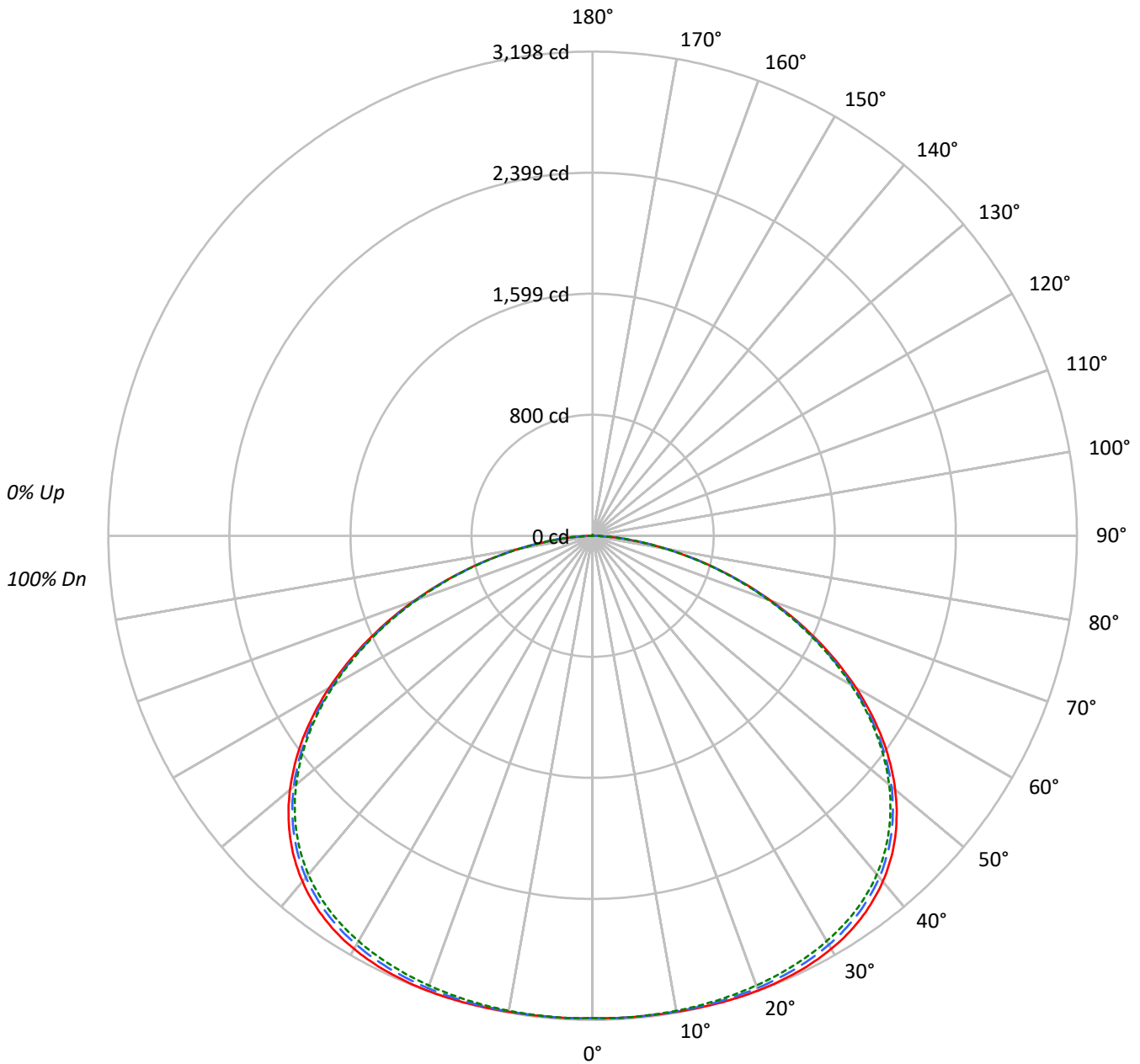
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11539.0 lumens
Efficiency: N/A
Efficacy: 133.2 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

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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°	2275	2275	2275
5°	2286	2286	2285
10°	2315	2312	2309
15°	2363	2356	2348
20°	2428	2415	2402
25°	2508	2488	2469
30°	2597	2571	2548
35°	2691	2659	2636
40°	2778	2745	2721
45°	2851	2816	2792
50°	2897	2862	2838
55°	2906	2870	2849
60°	2868	2832	2815
65°	2774	2743	2730
70°	2615	2588	2575
75°	2369	2354	2343
80°	2015	2022	2000
85°	1501	1537	1536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.5	2.6
10°-20°	903.2	7.8
20°-30°	1460.1	12.7
30°-40°	1912.4	16.6
40°-50°	2151.1	18.6
50°-60°	2058.4	17.8
60°-70°	1605.4	13.9
70°-80°	904.7	7.8
80°-90°	223.9	1.9
90°-100°	0.8	0.0
100°-110°	1.3	0.0
110°-120°	2.4	0.0
120°-130°	3.7	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°	2667.8	23.1
0°-40°	4580.2	39.7
0°-60°	8789.8	76.2
0°-90°	11523.7	99.9
90°-120°	4.4	0.0
90°-150°	12.8	0.1
90°-180°	15.0	0.1
0°-180°	11539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3187	3187	3187	3187	3187	
5°	3190	3191	3190	3190	3189	305
15°	3197	3196	3188	3181	3177	906
25°	3184	3178	3159	3141	3134	1471
35°	3087	3077	3052	3033	3024	1933
45°	2824	2811	2789	2776	2766	2175
55°	2335	2322	2306	2296	2289	2081
65°	1642	1636	1624	1619	1616	1621
75°	859	859	853	852	850	910
85°	183	186	188	189	188	213
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3186.7	3186.7	3186.7	3186.7	3186.7
0.5°	3186.0	3188.3	3189.1	3188.3	3186.7
1°	3186.7	3188.3	3189.1	3189.1	3187.5
1.5°	3187.5	3189.1	3189.1	3189.1	3188.3
2°	3187.5	3189.1	3189.1	3189.8	3188.3
2.5°	3188.3	3189.8	3189.8	3189.8	3188.3
3°	3189.1	3189.8	3189.8	3189.8	3189.1
3.5°	3189.1	3189.8	3189.8	3189.8	3189.1
4°	3189.8	3189.8	3189.8	3189.8	3189.1
4.5°	3189.8	3190.6	3189.8	3189.8	3189.1
5°	3189.8	3190.6	3189.8	3189.8	3189.1
5.5°	3189.8	3190.6	3189.8	3189.8	3189.1
6°	3190.6	3190.6	3189.8	3189.8	3188.3
6.5°	3190.6	3191.4	3190.6	3189.8	3188.3
7°	3190.6	3191.4	3189.8	3189.8	3188.3
7.5°	3190.6	3191.4	3189.8	3189.1	3187.5
8°	3191.4	3191.4	3190.6	3189.1	3187.5
8.5°	3191.4	3192.2	3189.8	3189.1	3186.7
9°	3192.2	3192.2	3190.6	3188.3	3186.7
9.5°	3192.2	3193.0	3189.8	3188.3	3186.0
10°	3193.0	3193.0	3189.8	3187.5	3185.2
10.5°	3193.7	3193.7	3189.8	3187.5	3185.2
11°	3193.7	3193.7	3189.8	3186.7	3184.4
11.5°	3194.5	3194.5	3189.8	3186.0	3183.6
12°	3194.5	3194.5	3189.8	3186.0	3182.9
12.5°	3195.3	3194.5	3189.1	3185.2	3182.1
13°	3195.3	3194.5	3189.1	3184.4	3181.3
13.5°	3196.1	3195.3	3189.1	3183.6	3180.5
14°	3196.1	3195.3	3189.1	3182.9	3179.0
14.5°	3196.8	3195.3	3188.3	3182.1	3178.2
15°	3196.8	3196.1	3188.3	3181.3	3177.4
15.5°	3197.6	3196.1	3187.5	3179.7	3175.9
16°	3196.8	3196.1	3186.7	3179.0	3174.3
16.5°	3197.6	3196.1	3186.7	3177.4	3172.7
17°	3197.6	3195.3	3186.0	3175.9	3172.0
17.5°	3197.6	3195.3	3184.4	3175.1	3170.4
18°	3197.6	3195.3	3183.6	3173.5	3168.1
18.5°	3197.6	3194.5	3182.9	3172.0	3166.5
19°	3196.8	3194.5	3182.1	3170.4	3165.0
19.5°	3196.8	3193.7	3180.5	3168.1	3162.6
20°	3196.1	3193.0	3179.0	3166.5	3161.1
20.5°	3195.3	3192.2	3178.2	3165.0	3158.8
21°	3195.3	3191.4	3176.6	3162.6	3156.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	3192.2	3187.5	3171.2	3155.6	3148.7
23°	3190.6	3186.0	3168.9	3153.3	3146.3
23.5°	3189.1	3184.4	3166.5	3150.2	3143.2
24°	3187.5	3182.9	3164.2	3147.1	3140.1
24.5°	3186.0	3180.5	3161.9	3144.0	3137.0
25°	3183.6	3178.2	3158.8	3140.9	3133.9
25.5°	3181.3	3175.9	3155.6	3137.8	3130.0
26°	3179.0	3173.5	3152.5	3134.7	3126.9
26.5°	3176.6	3170.4	3149.4	3130.8	3123.0
27°	3173.5	3167.3	3145.5	3126.9	3119.1
27.5°	3170.4	3164.2	3141.7	3123.0	3115.2
28°	3167.3	3160.3	3137.8	3119.1	3111.3
28.5°	3163.4	3156.4	3133.9	3114.5	3106.7
29°	3159.5	3152.5	3129.2	3109.8	3102.0
29.5°	3155.6	3147.9	3124.6	3105.1	3096.6
30°	3151.0	3143.2	3119.1	3099.7	3091.1
30.5°	3146.3	3138.5	3113.7	3094.2	3086.5
31°	3140.9	3133.1	3108.2	3088.8	3080.3
31.5°	3136.2	3127.7	3102.0	3083.4	3074.8
32°	3130.0	3121.4	3096.6	3077.1	3068.6
32.5°	3123.8	3115.2	3089.6	3070.1	3061.6
33°	3117.6	3108.2	3082.6	3063.9	3054.6
33.5°	3110.6	3101.2	3075.6	3056.9	3047.6
34°	3102.8	3093.5	3067.8	3049.2	3040.6
34.5°	3095.0	3085.7	3060.0	3041.4	3032.8
35°	3087.2	3077.1	3051.5	3032.8	3024.3
35.5°	3078.7	3068.6	3042.9	3024.3	3015.7
36°	3070.1	3059.3	3033.6	3015.7	3006.4
36.5°	3060.0	3049.9	3024.3	3006.4	2997.9
37°	3049.9	3039.8	3014.2	2996.3	2987.8
37.5°	3039.8	3029.0	3004.1	2986.2	2976.9
38°	3029.0	3018.9	2993.2	2976.1	2966.8
38.5°	3018.1	3007.2	2981.5	2964.4	2955.9
39°	3006.4	2994.8	2969.9	2953.6	2944.2
39.5°	2994.0	2982.3	2958.2	2941.1	2932.6
40°	2980.8	2969.9	2945.0	2928.7	2920.1
40.5°	2968.3	2956.7	2931.8	2916.3	2906.9
41°	2954.3	2942.7	2918.6	2902.3	2892.9
41.5°	2939.6	2927.9	2903.8	2888.3	2878.9
42°	2924.8	2913.1	2889.0	2874.3	2864.2
42.5°	2909.3	2897.6	2873.5	2858.7	2849.4
43°	2893.7	2881.3	2858.0	2843.2	2833.9
43.5°	2877.4	2865.0	2841.6	2826.9	2817.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	2823.8	2811.3	2788.8	2775.6	2765.5
45.5°	2805.1	2791.9	2770.1	2756.9	2747.6
46°	2785.7	2772.5	2750.7	2737.5	2728.2
46.5°	2765.5	2752.3	2731.3	2718.1	2708.7
47°	2744.5	2732.0	2710.3	2698.6	2688.5
47.5°	2723.5	2710.3	2689.3	2677.6	2667.5
48°	2702.5	2688.5	2668.3	2655.9	2645.8
48.5°	2680.0	2666.8	2646.5	2634.9	2625.6
49°	2655.9	2643.4	2623.2	2610.8	2602.2
49.5°	2632.6	2620.1	2599.9	2588.3	2578.9
50°	2608.5	2595.2	2576.6	2564.9	2555.6
50.5°	2583.6	2570.4	2551.7	2540.1	2531.5
51°	2558.7	2545.5	2526.8	2515.2	2505.9
51.5°	2532.3	2519.1	2500.4	2489.5	2481.0
52°	2505.9	2492.6	2474.0	2463.9	2455.3
52.5°	2479.4	2466.2	2447.6	2436.7	2428.9
53°	2450.7	2438.2	2421.1	2411.0	2402.5
53.5°	2421.9	2409.5	2392.4	2382.3	2374.5
54°	2393.2	2380.7	2363.6	2353.5	2346.5
54.5°	2365.2	2352.0	2335.6	2325.5	2318.5
55°	2334.9	2322.4	2306.1	2296.0	2289.0
55.5°	2304.6	2292.1	2275.8	2265.7	2259.5
56°	2272.7	2261.0	2244.7	2236.2	2229.9
56.5°	2240.8	2229.9	2213.6	2205.1	2198.8
57°	2209.7	2198.1	2182.5	2174.8	2168.5
57.5°	2178.6	2166.2	2150.7	2142.9	2136.7
58°	2144.4	2132.8	2118.0	2110.2	2104.8
58.5°	2111.0	2100.1	2084.6	2077.6	2072.2
59°	2077.6	2066.7	2051.9	2045.0	2039.5
59.5°	2042.6	2032.5	2017.7	2010.8	2005.3
60°	2008.4	1997.5	1983.5	1977.3	1971.9
60.5°	1973.4	1964.1	1949.4	1943.1	1937.7
61°	1937.7	1928.4	1914.4	1908.2	1902.7
61.5°	1901.2	1893.4	1879.4	1873.2	1868.5
62°	1865.4	1857.6	1843.6	1838.2	1833.5
62.5°	1828.9	1821.1	1807.1	1801.7	1797.0
63°	1792.3	1784.6	1771.4	1765.9	1761.3
63.5°	1755.0	1747.3	1734.8	1729.4	1724.7
64°	1717.7	1710.0	1696.7	1692.9	1687.4
64.5°	1680.4	1672.6	1659.4	1655.5	1650.9
65°	1642.3	1636.1	1623.7	1619.0	1615.9
65.5°	1605.0	1597.3	1585.6	1581.7	1577.0
66°	1565.4	1559.2	1547.5	1543.6	1540.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1450.4	1443.4	1433.3	1429.4	1425.5
68°	1410.7	1404.5	1394.4	1391.3	1387.4
68.5°	1371.1	1364.9	1354.8	1352.4	1350.1
69°	1331.4	1325.2	1316.7	1314.3	1311.2
69.5°	1292.6	1286.4	1278.6	1276.2	1272.4
70°	1252.9	1247.5	1239.7	1237.4	1233.5
70.5°	1213.3	1207.9	1200.9	1198.5	1194.6
71°	1173.7	1169.0	1162.8	1159.7	1155.8
71.5°	1134.8	1130.1	1123.1	1120.8	1117.7
72°	1095.1	1091.3	1084.3	1082.7	1078.8
72.5°	1055.5	1052.4	1045.4	1043.9	1040.7
73°	1015.9	1012.8	1005.8	1004.2	1001.9
73.5°	977.0	973.9	967.7	965.3	963.0
74°	938.1	935.8	929.6	928.0	924.9
74.5°	898.5	896.9	891.5	889.2	886.8
75°	858.9	858.9	853.4	851.9	849.5
75.5°	820.8	820.8	815.3	813.8	811.5
76°	782.7	782.7	777.3	775.8	772.7
76.5°	744.2	744.5	739.9	738.3	735.7
77°	707.4	707.7	703.6	701.5	698.9
77.5°	668.0	669.8	666.4	664.6	662.0
78°	631.2	633.5	630.0	628.6	626.4
78.5°	596.5	598.0	595.8	594.0	590.9
79°	560.2	561.4	559.9	558.4	555.4
79.5°	524.5	526.4	525.4	524.0	520.6
80°	490.2	491.6	491.8	489.7	486.6
80.5°	454.1	457.0	457.5	455.4	453.8
81°	420.8	423.5	424.3	423.1	420.9
81.5°	388.0	391.2	391.9	391.2	388.4
82°	355.1	359.0	360.2	359.6	356.5
82.5°	323.7	328.1	329.3	328.9	326.0
83°	293.3	298.0	299.2	299.6	296.9
83.5°	263.8	268.3	269.8	270.3	267.4
84°	235.5	239.5	241.4	242.2	239.8
84.5°	208.6	211.9	214.1	215.1	214.0
85°	183.3	185.6	187.7	189.1	187.5
85.5°	158.7	160.6	162.1	164.3	163.0
86°	135.9	137.7	138.8	140.5	140.5
86.5°	114.1	115.0	115.8	117.8	117.8
87°	93.3	93.3	93.7	96.2	96.3
87.5°	72.0	72.6	72.9	75.2	75.9
88°	50.8	52.5	53.0	55.1	55.0
88.5°	35.9	35.9	35.8	37.9	38.4



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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°	1.6	1.5	1.5	1.5	1.6
109.5°	1.6	1.4	1.6	1.6	1.4
110°	1.6	1.6	1.6	1.6	1.6
110.5°	1.6	1.6	1.6	1.6	1.7
111°	1.6	1.7	1.7	1.7	1.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L840-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	2.3	2.3	2.2
114.5°	2.3	2.3	2.3	2.3	2.1
115°	2.3	2.3	2.3	2.3	2.3
115.5°	2.6	2.3	2.5	2.4	2.3
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°	3.0	2.8	2.9	2.8	2.6
118°	3.0	2.9	3.0	2.9	2.7
118.5°	3.2	3.0	3.0	3.0	2.9
119°	3.2	3.2	3.3	3.0	3.0
119.5°	3.3	3.3	3.3	3.2	3.1
120°	3.4	3.4	3.3	3.3	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	3.7	3.5	3.5
122°	3.7	3.9	3.7	3.7	3.7
122.5°	4.0	3.9	3.8	3.8	3.7
123°	4.0	4.0	3.9	3.9	3.8
123.5°	4.0	4.2	4.0	3.8	4.0
124°	4.1	4.2	4.1	4.0	4.0
124.5°	4.4	4.2	4.1	4.0	4.0
125°	4.5	4.4	4.3	4.2	4.2
125.5°	4.5	4.4	4.3	4.2	4.3
126°	4.5	4.4	4.3	4.3	4.2
126.5°	4.4	4.4	4.5	4.3	4.4
127°	4.5	4.5	4.4	4.3	4.2
127.5°	4.7	4.6	4.5	4.3	4.2
128°	4.7	4.4	4.4	4.3	4.4
128.5°	4.5	4.5	4.4	4.2	4.4
129°	4.4	4.4	4.4	4.3	4.2
129.5°	4.4	4.4	4.4	4.3	4.3
130°	4.4	4.4	4.3	4.1	4.2
130.5°	4.5	4.4	4.4	4.0	4.2
131°	4.3	4.3	4.3	4.0	4.1
131.5°	4.4	4.2	4.0	4.0	4.0
132°	4.3	4.1	4.1	4.0	4.0
132.5°	4.3	4.1	4.0	4.0	4.0
133°	4.1	4.0	4.0	3.7	3.9
133.5°	4.2	4.0	3.8	3.7	3.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	4.0	3.8	3.7	3.6	3.9
135.5°	3.8	3.9	3.7	3.5	3.7
136°	3.7	3.7	3.5	3.3	3.7
136.5°	3.8	3.7	3.5	3.3	3.7
137°	3.7	3.6	3.5	3.3	3.6
137.5°	3.7	3.5	3.4	3.2	3.4
138°	3.6	3.4	3.3	3.2	3.4
138.5°	3.7	3.4	3.3	3.1	3.3
139°	3.2	3.3	3.3	3.0	3.4
139.5°	3.4	3.2	3.1	3.0	3.3
140°	3.3	3.1	3.2	3.0	3.1
140.5°	3.3	3.1	3.1	3.0	3.1
141°	3.2	3.1	3.0	2.8	3.0
141.5°	3.0	3.1	3.1	2.8	3.0
142°	2.9	2.9	3.0	2.9	2.7
142.5°	2.9	3.0	3.0	2.8	2.7
143°	3.0	3.0	3.0	2.9	2.7
143.5°	3.0	3.0	3.0	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°	3.0	2.8	2.9	2.6	2.8
145.5°	2.9	2.7	2.8	2.6	3.0
146°	2.9	2.7	2.6	2.6	2.8
146.5°	3.0	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°	3.0	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	3.0
150°	3.0	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°	3.0	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°	3.0	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	3.0	3.1
155°	2.9	2.9	2.9	3.0	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-L840-CFR2

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L840-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°	3194.5	3190.6	3175.1	3160.3	3154.1
22°	3193.0	3189.1	3172.7	3158.0	3151.8



44°	2859.5	2847.9	2824.5	2810.5	2801.2
44.5°	2841.6	2829.2	2807.4	2792.7	2783.3



66.5°	1527.3	1521.1	1509.4	1505.5	1501.7
67°	1489.2	1482.2	1471.3	1467.5	1464.3



89°	22.7	22.3	22.1	23.2	23.6
89.5°	10.0	10.2	9.9	10.6	10.5



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



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



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



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



(END OF REPORT)