

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-120-L830-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-120-L830-CFD2  
Description: 12000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS  
AND 3000K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No.   Condition   Description

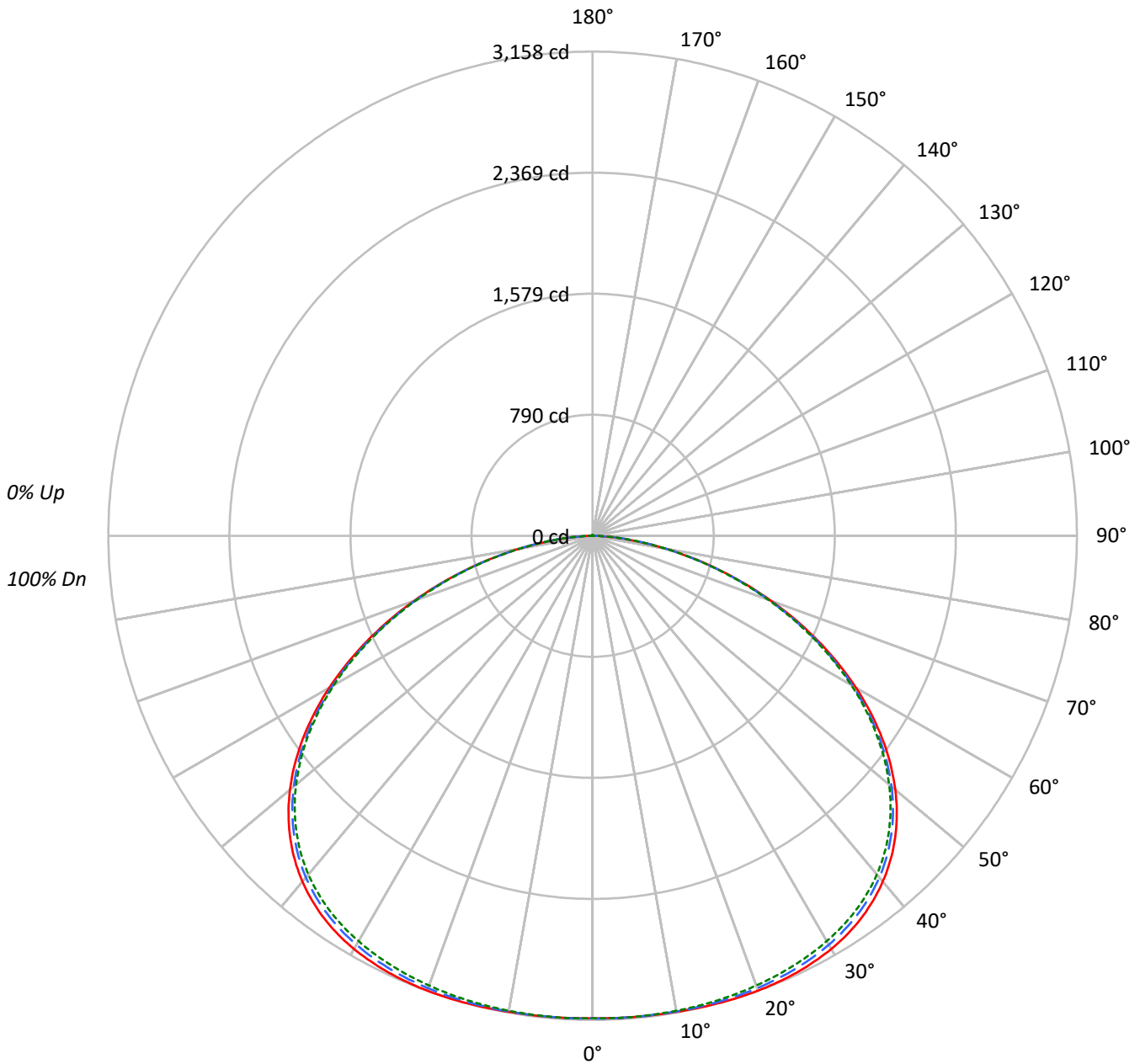
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11396.0 lumens  
Efficiency: N/A  
Efficacy: 119.2 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): 95.6  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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									
RC	80									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°	2247	2247	2247
5°	2249	2246	2249
10°	2269	2259	2263
15°	2307	2290	2293
20°	2361	2334	2335
25°	2428	2390	2390
30°	2503	2453	2456
35°	2580	2519	2527
40°	2648	2579	2594
45°	2700	2622	2644
50°	2722	2636	2667
55°	2704	2609	2651
60°	2636	2531	2588
65°	2509	2397	2469
70°	2310	2190	2275
75°	2017	1895	1995
80°	1601	1486	1589
85°	995	897	1018



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.7	2.6
10°-20°	892.0	7.8
20°-30°	1442.0	12.7
30°-40°	1888.7	16.6
40°-50°	2124.5	18.6
50°-60°	2032.9	17.8
60°-70°	1585.5	13.9
70°-80°	893.5	7.8
80°-90°	221.1	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°	2634.7	23.1
0°-40°	4523.5	39.7
0°-60°	8680.8	76.2
0°-90°	11380.9	99.9
90°-120°	4.4	0.0
90°-150°	12.6	0.1
90°-180°	15.0	0.1
0°-180°	11396.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3147	3147	3147	3147	3147	
5°	3150	3151	3150	3150	3150	301
15°	3157	3156	3149	3142	3138	895
25°	3144	3139	3120	3102	3095	1453
35°	3049	3039	3014	2995	2987	1909
45°	2789	2776	2754	2741	2731	2148
55°	2306	2294	2278	2268	2261	2055
65°	1622	1616	1604	1599	1596	1601
75°	848	848	843	841	839	899
85°	181	183	185	187	185	210
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	2	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#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3147.2	3147.2	3147.2	3147.2	3147.2
0.5°	3146.5	3148.8	3149.5	3148.8	3147.2
1°	3147.2	3148.8	3149.5	3149.5	3148.0
1.5°	3148.0	3149.5	3149.5	3149.5	3148.8
2°	3148.0	3149.5	3149.5	3150.3	3148.8
2.5°	3148.8	3150.3	3150.3	3150.3	3148.8
3°	3149.5	3150.3	3150.3	3150.3	3149.5
3.5°	3149.5	3150.3	3150.3	3150.3	3149.5
4°	3150.3	3150.3	3150.3	3150.3	3149.5
4.5°	3150.3	3151.1	3150.3	3150.3	3149.5
5°	3150.3	3151.1	3150.3	3150.3	3149.5
5.5°	3150.3	3151.1	3150.3	3150.3	3149.5
6°	3151.1	3151.1	3150.3	3150.3	3148.8
6.5°	3151.1	3151.8	3151.1	3150.3	3148.8
7°	3151.1	3151.8	3150.3	3150.3	3148.8
7.5°	3151.1	3151.8	3150.3	3149.5	3148.0
8°	3151.8	3151.8	3151.1	3149.5	3148.0
8.5°	3151.8	3152.6	3150.3	3149.5	3147.2
9°	3152.6	3152.6	3151.1	3148.8	3147.2
9.5°	3152.6	3153.4	3150.3	3148.8	3146.5
10°	3153.4	3153.4	3150.3	3148.0	3145.7
10.5°	3154.2	3154.2	3150.3	3148.0	3145.7
11°	3154.2	3154.2	3150.3	3147.2	3144.9
11.5°	3154.9	3154.9	3150.3	3146.5	3144.2
12°	3154.9	3154.9	3150.3	3146.5	3143.4
12.5°	3155.7	3154.9	3149.5	3145.7	3142.6
13°	3155.7	3154.9	3149.5	3144.9	3141.9
13.5°	3156.5	3155.7	3149.5	3144.2	3141.1
14°	3156.5	3155.7	3149.5	3143.4	3139.6
14.5°	3157.2	3155.7	3148.8	3142.6	3138.8
15°	3157.2	3156.5	3148.8	3141.9	3138.0
15.5°	3158.0	3156.5	3148.0	3140.3	3136.5
16°	3157.2	3156.5	3147.2	3139.6	3135.0
16.5°	3158.0	3156.5	3147.2	3138.0	3133.4
17°	3158.0	3155.7	3146.5	3136.5	3132.7
17.5°	3158.0	3155.7	3144.9	3135.7	3131.1
18°	3158.0	3155.7	3144.2	3134.2	3128.8
18.5°	3158.0	3154.9	3143.4	3132.7	3127.3
19°	3157.2	3154.9	3142.6	3131.1	3125.8
19.5°	3157.2	3154.2	3141.1	3128.8	3123.4
20°	3156.5	3153.4	3139.6	3127.3	3121.9
20.5°	3155.7	3152.6	3138.8	3125.8	3119.6
21°	3155.7	3151.8	3137.3	3123.4	3117.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	3152.6	3148.0	3131.9	3116.5	3109.6
23°	3151.1	3146.5	3129.6	3114.2	3107.3
23.5°	3149.5	3144.9	3127.3	3111.2	3104.3
24°	3148.0	3143.4	3125.0	3108.1	3101.2
24.5°	3146.5	3141.1	3122.7	3105.0	3098.1
25°	3144.2	3138.8	3119.6	3102.0	3095.0
25.5°	3141.9	3136.5	3116.5	3098.9	3091.2
26°	3139.6	3134.2	3113.5	3095.8	3088.1
26.5°	3137.3	3131.1	3110.4	3092.0	3084.3
27°	3134.2	3128.1	3106.6	3088.1	3080.5
27.5°	3131.1	3125.0	3102.7	3084.3	3076.6
28°	3128.1	3121.1	3098.9	3080.5	3072.8
28.5°	3124.2	3117.3	3095.0	3075.9	3068.2
29°	3120.4	3113.5	3090.4	3071.2	3063.6
29.5°	3116.5	3108.9	3085.8	3066.6	3058.2
30°	3111.9	3104.3	3080.5	3061.3	3052.8
30.5°	3107.3	3099.7	3075.1	3055.9	3048.2
31°	3102.0	3094.3	3069.7	3050.5	3042.1
31.5°	3097.3	3088.9	3063.6	3045.2	3036.7
32°	3091.2	3082.8	3058.2	3039.0	3030.6
32.5°	3085.1	3076.6	3051.3	3032.1	3023.7
33°	3078.9	3069.7	3044.4	3026.0	3016.7
33.5°	3072.0	3062.8	3037.5	3019.1	3009.8
34°	3064.3	3055.1	3029.8	3011.4	3002.9
34.5°	3056.7	3047.5	3022.1	3003.7	2995.3
35°	3049.0	3039.0	3013.7	2995.3	2986.8
35.5°	3040.5	3030.6	3005.2	2986.8	2978.4
36°	3032.1	3021.4	2996.0	2978.4	2969.2
36.5°	3022.1	3012.1	2986.8	2969.2	2960.7
37°	3012.1	3002.2	2976.8	2959.2	2950.7
37.5°	3002.2	2991.4	2966.9	2949.2	2940.0
38°	2991.4	2981.4	2956.1	2939.2	2930.0
38.5°	2980.7	2969.9	2944.6	2927.7	2919.3
39°	2969.2	2957.6	2933.1	2917.0	2907.7
39.5°	2956.9	2945.4	2921.6	2904.7	2896.2
40°	2943.8	2933.1	2908.5	2892.4	2884.0
40.5°	2931.5	2920.0	2895.5	2880.1	2870.9
41°	2917.7	2906.2	2882.4	2866.3	2857.1
41.5°	2903.1	2891.6	2867.8	2852.5	2843.3
42°	2888.6	2877.0	2853.2	2838.7	2828.7
42.5°	2873.2	2861.7	2837.9	2823.3	2814.1
43°	2857.9	2845.6	2822.5	2808.0	2798.7
43.5°	2841.7	2829.4	2806.4	2791.8	2782.6



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	2788.8	2776.5	2754.2	2741.2	2731.2
45.5°	2770.3	2757.3	2735.8	2722.8	2713.5
46°	2751.2	2738.1	2716.6	2703.6	2694.3
46.5°	2731.2	2718.1	2697.4	2684.4	2675.2
47°	2710.5	2698.2	2676.7	2665.2	2655.2
47.5°	2689.7	2676.7	2656.0	2644.5	2634.5
48°	2669.0	2655.2	2635.2	2623.0	2613.0
48.5°	2646.8	2633.7	2613.7	2602.2	2593.0
49°	2623.0	2610.7	2590.7	2578.4	2570.0
49.5°	2599.9	2587.6	2567.7	2556.2	2547.0
50°	2576.1	2563.1	2544.7	2533.1	2523.9
50.5°	2551.6	2538.5	2520.1	2508.6	2500.1
51°	2527.0	2514.0	2495.5	2484.0	2474.8
51.5°	2500.9	2487.9	2469.4	2458.7	2450.2
52°	2474.8	2461.8	2443.3	2433.4	2424.9
52.5°	2448.7	2435.7	2417.2	2406.5	2398.8
53°	2420.3	2408.0	2391.1	2381.2	2372.7
53.5°	2391.9	2379.6	2362.7	2352.8	2345.1
54°	2363.5	2351.2	2334.3	2324.4	2317.4
54.5°	2335.9	2322.8	2306.7	2296.7	2289.8
55°	2305.9	2293.7	2277.5	2267.6	2260.6
55.5°	2276.0	2263.7	2247.6	2237.6	2231.5
56°	2244.5	2233.0	2216.9	2208.4	2202.3
56.5°	2213.1	2202.3	2186.2	2177.7	2171.6
57°	2182.3	2170.8	2155.5	2147.8	2141.7
57.5°	2151.6	2139.4	2124.0	2116.3	2110.2
58°	2117.9	2106.4	2091.8	2084.1	2078.7
58.5°	2084.9	2074.1	2058.8	2051.8	2046.5
59°	2051.8	2041.1	2026.5	2019.6	2014.2
59.5°	2017.3	2007.3	1992.7	1985.8	1980.5
60°	1983.5	1972.8	1959.0	1952.8	1947.5
60.5°	1949.0	1939.8	1925.2	1919.1	1913.7
61°	1913.7	1904.5	1890.6	1884.5	1879.1
61.5°	1877.6	1869.9	1856.1	1850.0	1845.4
62°	1842.3	1834.6	1820.8	1815.4	1810.8
62.5°	1806.2	1798.5	1784.7	1779.3	1774.7
63°	1770.1	1762.5	1749.4	1744.0	1739.4
63.5°	1733.3	1725.6	1713.3	1708.0	1703.3
64°	1696.4	1688.8	1675.7	1671.9	1666.5
64.5°	1659.6	1651.9	1638.9	1635.0	1630.4
65°	1622.0	1615.8	1603.6	1599.0	1595.9
65.5°	1585.1	1577.5	1565.9	1562.1	1557.5
66°	1546.0	1539.8	1528.3	1524.5	1521.4





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1432.4	1425.5	1415.5	1411.7	1407.8
68°	1393.2	1387.1	1377.1	1374.0	1370.2
68.5°	1354.1	1347.9	1338.0	1335.7	1333.4
69°	1314.9	1308.8	1300.3	1298.0	1295.0
69.5°	1276.6	1270.4	1262.7	1260.4	1256.6
70°	1237.4	1232.0	1224.4	1222.1	1218.2
70.5°	1198.3	1192.9	1186.0	1183.7	1179.8
71°	1159.1	1154.5	1148.4	1145.3	1141.5
71.5°	1120.7	1116.1	1109.2	1106.9	1103.8
72°	1081.6	1077.7	1070.8	1069.3	1065.5
72.5°	1042.4	1039.4	1032.4	1030.9	1027.8
73°	1003.3	1000.2	993.3	991.8	989.5
73.5°	964.9	961.8	955.7	953.4	951.1
74°	926.5	924.2	918.1	916.5	913.5
74.5°	887.4	885.8	880.5	878.2	875.9
75°	848.2	848.2	842.8	841.3	839.0
75.5°	810.6	810.6	805.2	803.7	801.4
76°	773.0	773.0	767.6	766.2	763.1
76.5°	735.0	735.3	730.8	729.2	726.6
77°	698.6	698.9	694.9	692.8	690.2
77.5°	659.7	661.5	658.2	656.3	653.8
78°	623.4	625.7	622.2	620.8	618.6
78.5°	589.1	590.6	588.4	586.6	583.6
79°	553.3	554.5	553.0	551.5	548.5
79.5°	518.0	519.9	518.9	517.5	514.2
80°	484.1	485.5	485.8	483.7	480.5
80.5°	448.5	451.4	451.8	449.7	448.1
81°	415.6	418.3	419.0	417.8	415.7
81.5°	383.2	386.3	387.0	386.3	383.6
82°	350.7	354.6	355.7	355.2	352.1
82.5°	319.7	324.0	325.2	324.8	321.9
83°	289.6	294.3	295.5	295.8	293.2
83.5°	260.5	265.0	266.4	266.9	264.1
84°	232.6	236.6	238.4	239.2	236.8
84.5°	206.0	209.3	211.5	212.5	211.3
85°	181.0	183.3	185.4	186.8	185.2
85.5°	156.7	158.6	160.1	162.3	161.0
86°	134.2	136.0	137.1	138.8	138.8
86.5°	112.7	113.5	114.4	116.4	116.4
87°	92.1	92.2	92.5	95.0	95.1
87.5°	71.1	71.7	72.0	74.2	75.0
88°	50.1	51.9	52.4	54.4	54.3
88.5°	35.5	35.5	35.4	37.5	37.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L830-CFD2

**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°	0.8	0.8	0.7	0.7	0.8
96.5°	0.8	0.8	0.8	0.7	0.8
97°	0.8	0.8	0.8	0.7	0.9
97.5°	0.9	0.8	0.8	0.7	0.9
98°	1.0	0.8	0.8	0.8	1.0
98.5°	1.0	0.8	0.8	0.8	0.9
99°	0.9	0.9	0.8	0.8	0.8
99.5°	1.0	0.8	0.9	0.8	0.8
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-120-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	4.0	3.8	3.6	3.5	3.8
135.5°	3.8	3.8	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	3.5	3.5	3.3	3.5
137.5°	3.6	3.5	3.4	3.1	3.4
138°	3.5	3.4	3.2	3.1	3.4
138.5°	3.6	3.4	3.3	3.1	3.3
139°	3.1	3.3	3.2	2.9	3.4
139.5°	3.4	3.1	3.1	3.0	3.3
140°	3.3	3.1	3.1	2.9	3.1
140.5°	3.3	3.1	3.1	2.9	3.1
141°	3.1	3.1	3.0	2.8	2.9
141.5°	2.9	3.1	3.1	2.8	2.9
142°	2.8	2.8	3.0	2.8	2.7
142.5°	2.8	3.0	2.9	2.8	2.7
143°	3.0	2.9	2.9	2.8	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°	2.8	2.8	2.8	2.7	2.8
145°	2.9	2.8	2.8	2.5	2.8
145.5°	2.8	2.7	2.8	2.5	2.9
146°	2.8	2.7	2.6	2.5	2.8
146.5°	2.9	2.7	2.6	2.5	2.8
147°	2.8	2.7	2.5	2.6	2.6
147.5°	2.8	2.7	2.5	2.6	2.8
148°	2.8	2.7	2.6	2.5	2.8
148.5°	2.9	2.8	2.6	2.5	2.8
149°	2.8	2.7	2.6	2.5	2.8
149.5°	3.0	2.6	2.6	2.5	2.9
150°	2.9	2.8	2.6	2.5	2.8
150.5°	2.8	2.7	2.6	2.6	2.8
151°	3.0	2.7	2.5	2.6	3.0
151.5°	2.9	2.8	2.5	2.6	3.0
152°	3.0	2.8	2.7	2.8	2.8
152.5°	3.0	2.8	2.6	2.7	3.0
153°	2.9	2.8	2.7	2.8	3.1
153.5°	3.1	2.8	2.6	2.8	3.0
154°	3.0	2.8	2.8	2.8	3.0
154.5°	3.0	2.8	2.8	2.9	3.1
155°	2.8	2.8	2.8	2.9	3.1
155.5°	3.0	2.8	2.8	2.8	3.1
156°	2.8	2.8	2.8	2.8	3.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-120-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	2.8	2.7	2.8	2.9	3.0
158°	3.1	2.8	2.8	2.8	3.1
158.5°	2.9	2.8	2.7	2.8	3.0
159°	3.0	2.8	2.8	2.8	3.1
159.5°	2.9	2.8	2.8	2.8	3.2
160°	2.9	2.8	2.7	2.8	3.1
160.5°	2.8	2.8	2.8	2.9	3.1
161°	2.8	2.8	2.8	2.9	3.1
161.5°	2.9	2.8	2.8	2.8	2.9
162°	2.8	2.8	2.8	2.9	2.9
162.5°	3.0	2.9	2.8	2.8	3.0
163°	3.0	2.8	2.9	2.9	2.9
163.5°	2.9	2.8	2.9	2.9	3.1
164°	2.8	2.9	2.8	3.1	3.1
164.5°	2.8	3.0	2.9	3.1	3.1
165°	2.8	2.8	2.8	3.0	3.1
165.5°	2.7	2.8	2.8	3.2	3.1
166°	2.9	2.9	2.8	3.1	3.0
166.5°	2.9	2.8	2.8	3.1	2.8
167°	2.8	3.1	2.8	3.2	3.1
167.5°	2.9	3.1	2.9	3.3	3.1
168°	3.0	3.0	2.8	3.2	3.1
168.5°	2.9	3.1	3.0	3.5	3.1
169°	3.1	3.1	2.8	3.5	3.1
169.5°	3.1	3.1	2.9	3.4	3.2
170°	3.1	3.1	3.0	3.5	3.1
170.5°	3.1	3.2	3.0	3.5	3.3
171°	3.1	3.1	3.1	3.5	3.4
171.5°	3.1	3.1	3.1	3.5	3.2
172°	3.1	3.1	3.2	3.5	3.3
172.5°	3.2	3.2	3.3	3.5	3.3
173°	3.1	3.1	3.3	3.5	3.4
173.5°	3.3	3.2	3.4	3.5	3.5
174°	3.4	3.4	3.6	3.5	3.4
174.5°	3.4	3.5	3.5	3.7	3.5
175°	3.6	3.5	3.6	3.7	3.5
175.5°	3.6	3.5	3.8	3.6	3.6
176°	3.8	3.7	3.6	3.5	3.5
176.5°	3.8	3.6	3.7	3.4	3.5
177°	3.7	3.6	3.5	3.4	3.5
177.5°	3.8	3.6	3.4	3.3	3.6
178°	3.5	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-120-L830-CFD2

**CANDELA DISTRIBUTION (continued):**

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



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	3154.9	3151.1	3135.7	3121.1	3115.0
22°	3153.4	3149.5	3133.4	3118.8	3112.7



44°	2824.1	2812.6	2789.5	2775.7	2766.5
44.5°	2806.4	2794.1	2772.6	2758.1	2748.8



66.5°	1508.4	1502.2	1490.7	1486.9	1483.0
67°	1470.8	1463.9	1453.1	1449.3	1446.2



89°	22.4	22.0	21.8	23.0	23.3
89.5°	9.9	10.1	9.8	10.5	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	3.8	3.8	3.7	3.9
134.5°	4.0	3.8	3.8	3.5	3.7



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



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



(END OF REPORT)