

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-L850-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-L850-CFR2
Description: 11000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 5000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

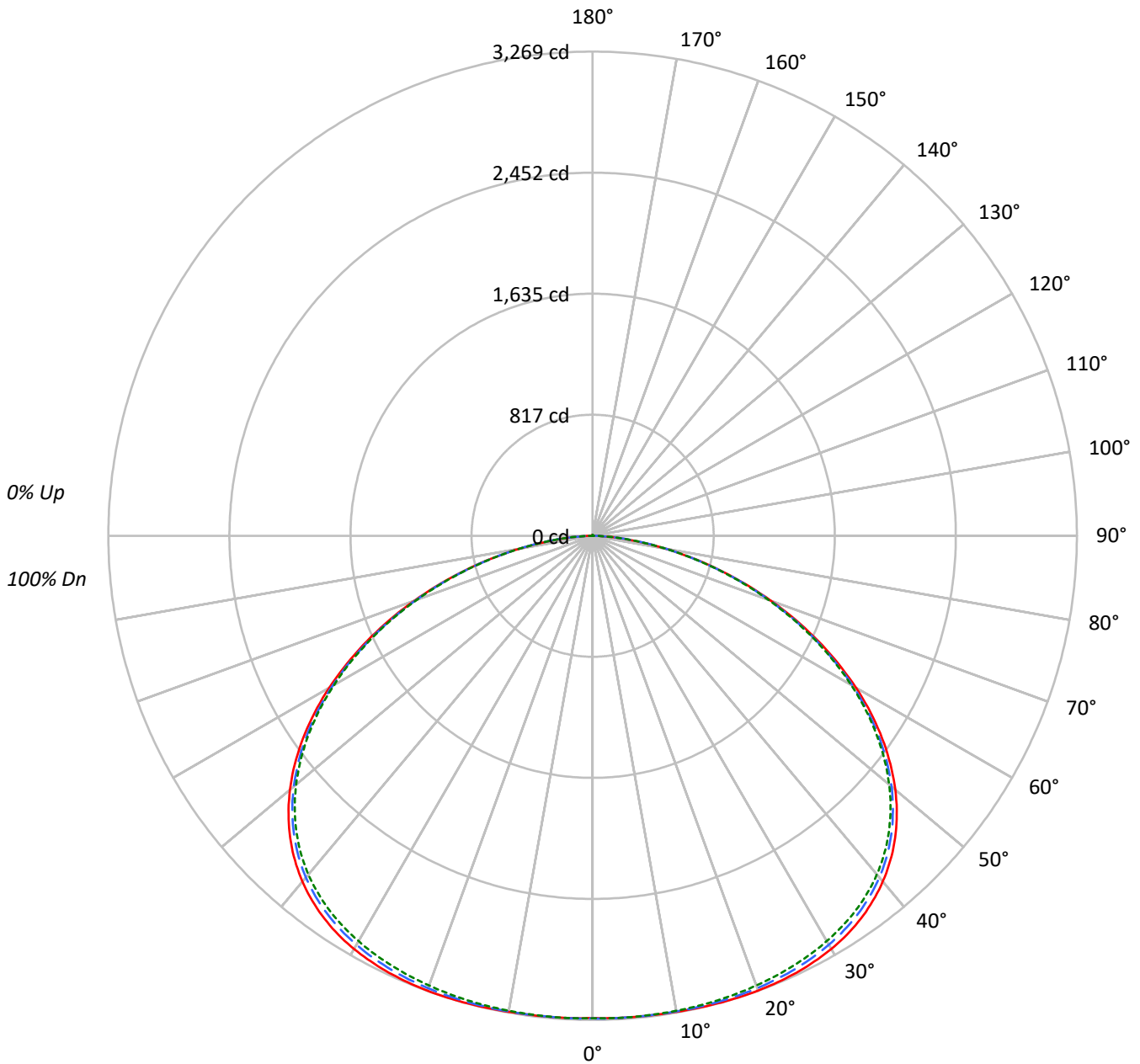
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11796.0 lumens
Efficiency: N/A
Efficacy: 136.2 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									
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°	2326	2326	2326
5°	2337	2337	2336
10°	2366	2364	2360
15°	2415	2409	2401
20°	2482	2469	2455
25°	2564	2544	2524
30°	2655	2628	2605
35°	2750	2719	2694
40°	2840	2806	2782
45°	2914	2878	2854
50°	2962	2925	2902
55°	2971	2934	2912
60°	2932	2895	2878
65°	2836	2804	2790
70°	2673	2645	2632
75°	2422	2406	2396
80°	2060	2067	2045
85°	1535	1572	1569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	2.6
10°-20°	923.3	7.8
20°-30°	1492.6	12.7
30°-40°	1955.0	16.6
40°-50°	2199.0	18.6
50°-60°	2104.2	17.8
60°-70°	1641.1	13.9
70°-80°	924.9	7.8
80°-90°	228.9	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°	3.0	0.0
140°-150°	1.8	0.0
150°-160°	1.3	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	2727.2	23.1
0°-40°	4682.2	39.7
0°-60°	8985.5	76.2
0°-90°	11780.4	99.9
90°-120°	4.5	0.0
90°-150°	13.1	0.1
90°-180°	16.0	0.1
0°-180°	11796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3258	3258	3258	3258	3258	
5°	3261	3262	3261	3261	3260	311
15°	3268	3267	3259	3252	3248	926
25°	3254	3249	3229	3211	3204	1504
35°	3156	3146	3120	3100	3092	1976
45°	2887	2874	2851	2837	2827	2224
55°	2387	2374	2358	2347	2340	2128
65°	1679	1673	1660	1655	1652	1657
75°	878	878	872	871	868	930
85°	187	190	192	193	192	217
90°	2	2	2	2	2	9
95°	1	1	1	1	1	1
105°	1	1	1	1	1	1
115°	2	2	2	2	2	2
125°	5	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°	3257.7	3257.7	3257.7	3257.7	3257.7
0.5°	3256.9	3259.3	3260.1	3259.3	3257.7
1°	3257.7	3259.3	3260.1	3260.1	3258.5
1.5°	3258.5	3260.1	3260.1	3260.1	3259.3
2°	3258.5	3260.1	3260.1	3260.9	3259.3
2.5°	3259.3	3260.9	3260.9	3260.9	3259.3
3°	3260.1	3260.9	3260.9	3260.9	3260.1
3.5°	3260.1	3260.9	3260.9	3260.9	3260.1
4°	3260.9	3260.9	3260.9	3260.9	3260.1
4.5°	3260.9	3261.7	3260.9	3260.9	3260.1
5°	3260.9	3261.7	3260.9	3260.9	3260.1
5.5°	3260.9	3261.7	3260.9	3260.9	3260.1
6°	3261.7	3261.7	3260.9	3260.9	3259.3
6.5°	3261.7	3262.5	3261.7	3260.9	3259.3
7°	3261.7	3262.5	3260.9	3260.9	3259.3
7.5°	3261.7	3262.5	3260.9	3260.1	3258.5
8°	3262.5	3262.5	3261.7	3260.1	3258.5
8.5°	3262.5	3263.3	3260.9	3260.1	3257.7
9°	3263.3	3263.3	3261.7	3259.3	3257.7
9.5°	3263.3	3264.1	3260.9	3259.3	3256.9
10°	3264.1	3264.1	3260.9	3258.5	3256.1
10.5°	3264.9	3264.9	3260.9	3258.5	3256.1
11°	3264.9	3264.9	3260.9	3257.7	3255.3
11.5°	3265.7	3265.7	3260.9	3256.9	3254.5
12°	3265.7	3265.7	3260.9	3256.9	3253.7
12.5°	3266.5	3265.7	3260.1	3256.1	3252.9
13°	3266.5	3265.7	3260.1	3255.3	3252.2
13.5°	3267.2	3266.5	3260.1	3254.5	3251.4
14°	3267.2	3266.5	3260.1	3253.7	3249.8
14.5°	3268.0	3266.5	3259.3	3252.9	3249.0
15°	3268.0	3267.2	3259.3	3252.2	3248.2
15.5°	3268.8	3267.2	3258.5	3250.6	3246.6
16°	3268.0	3267.2	3257.7	3249.8	3245.0
16.5°	3268.8	3267.2	3257.7	3248.2	3243.4
17°	3268.8	3266.5	3256.9	3246.6	3242.6
17.5°	3268.8	3266.5	3255.3	3245.8	3241.0
18°	3268.8	3266.5	3254.5	3244.2	3238.6
18.5°	3268.8	3265.7	3253.7	3242.6	3237.1
19°	3268.0	3265.7	3252.9	3241.0	3235.5
19.5°	3268.0	3264.9	3251.4	3238.6	3233.1
20°	3267.2	3264.1	3249.8	3237.1	3231.5
20.5°	3266.5	3263.3	3249.0	3235.5	3229.1
21°	3266.5	3262.5	3247.4	3233.1	3226.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	3263.3	3258.5	3241.8	3225.9	3218.8
23°	3261.7	3256.9	3239.4	3223.5	3216.4
23.5°	3260.1	3255.3	3237.1	3220.4	3213.2
24°	3258.5	3253.7	3234.7	3217.2	3210.0
24.5°	3256.9	3251.4	3232.3	3214.0	3206.9
25°	3254.5	3249.0	3229.1	3210.8	3203.7
25.5°	3252.2	3246.6	3225.9	3207.7	3199.7
26°	3249.8	3244.2	3222.8	3204.5	3196.5
26.5°	3247.4	3241.0	3219.6	3200.5	3192.6
27°	3244.2	3237.8	3215.6	3196.5	3188.6
27.5°	3241.0	3234.7	3211.6	3192.6	3184.6
28°	3237.8	3230.7	3207.7	3188.6	3180.6
28.5°	3233.9	3226.7	3203.7	3183.8	3175.9
29°	3229.9	3222.8	3198.9	3179.1	3171.1
29.5°	3225.9	3218.0	3194.1	3174.3	3165.5
30°	3221.2	3213.2	3188.6	3168.7	3160.0
30.5°	3216.4	3208.4	3183.0	3163.2	3155.2
31°	3210.8	3202.9	3177.5	3157.6	3148.9
31.5°	3206.1	3197.3	3171.1	3152.0	3143.3
32°	3199.7	3191.0	3165.5	3145.7	3136.9
32.5°	3193.4	3184.6	3158.4	3138.5	3129.8
33°	3187.0	3177.5	3151.2	3132.2	3122.6
33.5°	3179.8	3170.3	3144.1	3125.0	3115.5
34°	3171.9	3162.4	3136.1	3117.1	3108.3
34.5°	3164.0	3154.4	3128.2	3109.1	3100.4
35°	3156.0	3145.7	3119.5	3100.4	3091.6
35.5°	3147.3	3136.9	3110.7	3091.6	3082.9
36°	3138.5	3127.4	3101.2	3082.9	3073.4
36.5°	3128.2	3117.9	3091.6	3073.4	3064.6
37°	3117.9	3107.5	3081.3	3063.0	3054.3
37.5°	3107.5	3096.4	3071.0	3052.7	3043.2
38°	3096.4	3086.1	3059.9	3042.4	3032.9
38.5°	3085.3	3074.2	3047.9	3030.5	3021.7
39°	3073.4	3061.5	3036.0	3019.3	3009.8
39.5°	3060.7	3048.7	3024.1	3006.6	2997.9
40°	3047.2	3036.0	3010.6	2993.9	2985.2
40.5°	3034.4	3022.5	2997.1	2981.2	2971.7
41°	3020.1	3008.2	2983.6	2966.9	2957.4
41.5°	3005.0	2993.1	2968.5	2952.6	2943.1
42°	2989.9	2978.0	2953.4	2938.3	2928.0
42.5°	2974.1	2962.1	2937.5	2922.4	2912.9
43°	2958.2	2945.4	2921.6	2906.5	2897.0
43.5°	2941.5	2928.8	2904.9	2889.8	2880.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	2886.7	2873.9	2850.9	2837.4	2827.1
45.5°	2867.6	2854.1	2831.8	2818.3	2808.8
46°	2847.7	2834.2	2812.0	2798.5	2788.9
46.5°	2827.1	2813.6	2792.1	2778.6	2769.1
47°	2805.6	2792.9	2770.6	2758.7	2748.4
47.5°	2784.2	2770.6	2749.2	2737.3	2726.9
48°	2762.7	2748.4	2727.7	2715.0	2704.7
48.5°	2739.7	2726.1	2705.5	2693.6	2684.0
49°	2715.0	2702.3	2681.7	2668.9	2660.2
49.5°	2691.2	2678.5	2657.8	2645.9	2636.4
50°	2666.6	2653.0	2634.0	2622.1	2612.5
50.5°	2641.1	2627.6	2608.6	2596.6	2587.9
51°	2615.7	2602.2	2583.1	2571.2	2561.7
51.5°	2588.7	2575.2	2556.1	2545.0	2536.2
52°	2561.7	2548.2	2529.1	2518.8	2510.0
52.5°	2534.7	2521.2	2502.1	2491.0	2483.0
53°	2505.3	2492.5	2475.1	2464.7	2456.0
53.5°	2475.9	2463.1	2445.7	2435.3	2427.4
54°	2446.5	2433.7	2416.3	2405.9	2398.8
54.5°	2417.9	2404.4	2387.7	2377.3	2370.2
55°	2386.9	2374.2	2357.5	2347.1	2340.0
55.5°	2355.9	2343.2	2326.5	2316.2	2309.8
56°	2323.3	2311.4	2294.7	2286.0	2279.6
56.5°	2290.7	2279.6	2262.9	2254.2	2247.8
57°	2258.9	2247.0	2231.1	2223.2	2216.8
57.5°	2227.2	2214.5	2198.6	2190.6	2184.3
58°	2192.2	2180.3	2165.2	2157.2	2151.7
58.5°	2158.0	2146.9	2131.0	2123.9	2118.3
59°	2123.9	2112.7	2097.6	2090.5	2084.9
59.5°	2088.1	2077.8	2062.7	2055.5	2050.0
60°	2053.2	2042.0	2027.7	2021.4	2015.8
60.5°	2017.4	2007.9	1992.8	1986.4	1980.8
61°	1980.8	1971.3	1957.0	1950.7	1945.1
61.5°	1943.5	1935.6	1921.3	1914.9	1910.1
62°	1907.0	1899.0	1884.7	1879.1	1874.4
62.5°	1869.6	1861.7	1847.4	1841.8	1837.0
63°	1832.3	1824.3	1810.8	1805.2	1800.5
63.5°	1794.1	1786.2	1773.5	1767.9	1763.1
64°	1756.0	1748.0	1734.5	1730.6	1725.0
64.5°	1717.8	1709.9	1696.4	1692.4	1687.7
65°	1678.9	1672.6	1659.8	1655.1	1651.9
65.5°	1640.8	1632.8	1620.9	1616.9	1612.2
66°	1600.3	1593.9	1582.0	1578.0	1574.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1482.7	1475.5	1465.2	1461.2	1457.2
68°	1442.1	1435.8	1425.4	1422.3	1418.3
68.5°	1401.6	1395.3	1384.9	1382.5	1380.2
69°	1361.1	1354.7	1346.0	1343.6	1340.4
69.5°	1321.4	1315.0	1307.1	1304.7	1300.7
70°	1280.8	1275.3	1267.3	1264.9	1261.0
70.5°	1240.3	1234.8	1227.6	1225.2	1221.2
71°	1199.8	1195.0	1188.7	1185.5	1181.5
71.5°	1160.1	1155.3	1148.1	1145.8	1142.6
72°	1119.5	1115.6	1108.4	1106.8	1102.9
72.5°	1079.0	1075.8	1068.7	1067.1	1063.9
73°	1038.5	1035.3	1028.2	1026.6	1024.2
73.5°	998.8	995.6	989.2	986.8	984.5
74°	959.0	956.7	950.3	948.7	945.5
74.5°	918.5	916.9	911.4	909.0	906.6
75°	878.0	878.0	872.4	870.8	868.5
75.5°	839.1	839.1	833.5	831.9	829.5
76°	800.1	800.1	794.6	793.1	789.9
76.5°	760.8	761.1	756.4	754.8	752.1
77°	723.1	723.5	719.2	717.1	714.5
77.5°	682.8	684.8	681.3	679.4	676.7
78°	645.3	647.6	644.1	642.6	640.3
78.5°	609.8	611.3	609.0	607.2	604.1
79°	572.7	573.9	572.4	570.8	567.8
79.5°	536.2	538.2	537.1	535.7	532.2
80°	501.1	502.6	502.8	500.7	497.4
80.5°	464.3	467.2	467.7	465.5	463.9
81°	430.2	433.0	433.8	432.5	430.3
81.5°	396.6	399.9	400.6	399.9	397.0
82°	363.0	367.0	368.2	367.6	364.5
82.5°	330.9	335.4	336.7	336.2	333.2
83°	299.8	304.6	305.8	306.2	303.5
83.5°	269.7	274.3	275.8	276.3	273.3
84°	240.8	244.9	246.8	247.6	245.1
84.5°	213.3	216.6	218.9	219.9	218.7
85°	187.4	189.7	191.9	193.3	191.6
85.5°	162.2	164.2	165.7	168.0	166.6
86°	138.9	140.8	141.9	143.7	143.7
86.5°	116.6	117.5	118.4	120.5	120.5
87°	95.3	95.4	95.7	98.4	98.4
87.5°	73.6	74.2	74.5	76.8	77.6
88°	51.9	53.7	54.2	56.3	56.2
88.5°	36.7	36.7	36.6	38.8	39.3



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CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L850-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	2.0	2.1	2.0	1.8
113°	2.1	1.9	1.9	2.0	2.0
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°	2.4	2.4	2.3	2.3	2.1
115°	2.4	2.4	2.3	2.4	2.3
115.5°	2.6	2.4	2.5	2.5	2.3
116°	2.5	2.6	2.6	2.5	2.5
116.5°	2.7	2.7	2.7	2.7	2.6
117°	2.9	2.9	2.9	2.9	2.5
117.5°	3.0	2.9	2.9	2.9	2.7
118°	3.0	2.9	3.1	2.9	2.8
118.5°	3.3	3.1	3.1	3.0	2.9
119°	3.3	3.3	3.3	3.1	3.1
119.5°	3.3	3.3	3.3	3.3	3.2
120°	3.5	3.5	3.4	3.3	3.4
120.5°	3.6	3.4	3.6	3.5	3.4
121°	3.6	3.6	3.6	3.6	3.4
121.5°	4.0	3.8	3.7	3.6	3.6
122°	3.7	4.0	3.8	3.7	3.8
122.5°	4.1	4.0	3.9	3.9	3.7
123°	4.1	4.1	4.0	4.0	3.9
123.5°	4.1	4.3	4.1	3.9	4.1
124°	4.2	4.3	4.2	4.1	4.1
124.5°	4.4	4.3	4.2	4.1	4.1
125°	4.6	4.4	4.4	4.3	4.3
125.5°	4.6	4.5	4.4	4.3	4.4
126°	4.6	4.4	4.4	4.4	4.3
126.5°	4.4	4.5	4.6	4.4	4.4
127°	4.6	4.6	4.4	4.4	4.3
127.5°	4.8	4.7	4.6	4.4	4.3
128°	4.8	4.5	4.5	4.4	4.4
128.5°	4.6	4.6	4.4	4.3	4.4
129°	4.5	4.5	4.4	4.4	4.3
129.5°	4.4	4.5	4.4	4.4	4.4
130°	4.4	4.5	4.4	4.2	4.3
130.5°	4.6	4.4	4.4	4.1	4.3
131°	4.4	4.4	4.4	4.1	4.2
131.5°	4.4	4.3	4.1	4.1	4.1
132°	4.4	4.2	4.2	4.1	4.1
132.5°	4.4	4.2	4.1	4.1	4.1
133°	4.2	4.1	4.1	3.8	4.0
133.5°	4.3	4.1	3.9	3.7	4.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L850-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	4.1	3.9	3.7	3.7	4.0
135.5°	3.9	4.0	3.7	3.6	3.8
136°	3.8	3.7	3.6	3.4	3.8
136.5°	3.9	3.7	3.6	3.4	3.7
137°	3.8	3.7	3.6	3.4	3.7
137.5°	3.7	3.6	3.5	3.3	3.5
138°	3.7	3.5	3.3	3.3	3.5
138.5°	3.7	3.5	3.4	3.2	3.4
139°	3.3	3.4	3.3	3.0	3.5
139.5°	3.5	3.3	3.2	3.1	3.4
140°	3.4	3.2	3.3	3.0	3.2
140.5°	3.4	3.2	3.2	3.0	3.2
141°	3.3	3.2	3.1	2.9	3.0
141.5°	3.0	3.2	3.2	2.9	3.0
142°	2.9	2.9	3.1	2.9	2.8
142.5°	2.9	3.1	3.0	2.9	2.8
143°	3.1	3.0	3.0	2.9	2.8
143.5°	3.1	3.0	3.0	2.8	2.8
144°	3.1	2.9	3.1	2.7	2.9
144.5°	2.9	2.9	2.9	2.8	2.9
145°	3.0	2.9	2.9	2.6	2.9
145.5°	2.9	2.8	2.9	2.6	3.0
146°	2.9	2.8	2.7	2.6	2.9
146.5°	3.0	2.8	2.7	2.6	2.9
147°	2.9	2.8	2.6	2.7	2.7
147.5°	2.9	2.8	2.6	2.7	2.9
148°	2.9	2.8	2.7	2.6	2.9
148.5°	3.0	2.9	2.7	2.6	2.9
149°	2.9	2.8	2.7	2.6	2.9
149.5°	3.1	2.7	2.7	2.6	3.0
150°	3.0	2.9	2.7	2.6	2.9
150.5°	2.9	2.8	2.7	2.7	2.9
151°	3.1	2.8	2.6	2.7	3.1
151.5°	3.0	2.9	2.6	2.7	3.1
152°	3.1	2.9	2.8	2.9	2.9
152.5°	3.1	2.9	2.7	2.8	3.1
153°	3.0	2.9	2.8	2.9	3.2
153.5°	3.3	2.9	2.7	2.9	3.1
154°	3.1	2.9	2.9	2.9	3.1
154.5°	3.1	2.9	2.9	3.0	3.2
155°	2.9	2.9	2.9	3.0	3.3
155.5°	3.1	2.9	2.9	2.9	3.2
156°	2.9	2.9	2.9	2.9	3.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L850-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	2.9	2.8	2.9	3.0	3.1
158°	3.2	2.9	2.9	2.9	3.2
158.5°	3.0	2.9	2.8	2.9	3.1
159°	3.1	2.9	2.9	2.9	3.3
159.5°	3.0	2.9	2.9	2.9	3.3
160°	3.0	2.9	2.8	2.9	3.2
160.5°	2.9	2.9	2.9	3.0	3.2
161°	2.9	2.9	2.9	3.0	3.2
161.5°	3.0	2.9	2.9	2.9	3.0
162°	2.9	2.9	2.9	3.0	3.0
162.5°	3.1	3.0	2.9	2.9	3.1
163°	3.1	2.9	3.0	3.0	3.0
163.5°	3.0	2.9	3.0	3.0	3.3
164°	2.9	3.0	2.9	3.2	3.2
164.5°	2.9	3.1	3.0	3.2	3.3
165°	2.9	2.9	2.9	3.1	3.2
165.5°	2.8	2.9	2.9	3.3	3.2
166°	3.0	3.0	2.9	3.2	3.1
166.5°	3.0	2.9	2.9	3.3	2.9
167°	2.9	3.2	2.9	3.3	3.3
167.5°	3.0	3.2	3.0	3.4	3.3
168°	3.1	3.1	2.9	3.3	3.2
168.5°	3.0	3.3	3.1	3.6	3.3
169°	3.3	3.2	2.9	3.6	3.3
169.5°	3.2	3.2	3.0	3.5	3.3
170°	3.3	3.2	3.1	3.6	3.3
170.5°	3.3	3.3	3.1	3.6	3.4
171°	3.3	3.3	3.3	3.6	3.5
171.5°	3.2	3.3	3.3	3.7	3.3
172°	3.2	3.3	3.3	3.7	3.4
172.5°	3.3	3.3	3.4	3.7	3.4
173°	3.2	3.2	3.4	3.7	3.5
173.5°	3.4	3.3	3.5	3.6	3.6
174°	3.5	3.5	3.7	3.7	3.5
174.5°	3.5	3.7	3.7	3.8	3.7
175°	3.7	3.7	3.7	3.8	3.6
175.5°	3.7	3.7	3.9	3.7	3.7
176°	3.9	3.8	3.7	3.7	3.7
176.5°	4.0	3.7	3.8	3.5	3.7
177°	3.8	3.7	3.6	3.5	3.7
177.5°	3.9	3.7	3.5	3.4	3.7
178°	3.7	3.6	3.4	3.4	3.5
178.5°	3.6	3.5	3.3	3.3	3.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-110-L850-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.1	3.1	3.1	3.1	3.1



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







21.5°	3265.7	3261.7	3245.8	3230.7	3224.3
22°	3264.1	3260.1	3243.4	3228.3	3222.0



44°	2923.2	2911.3	2887.4	2873.1	2863.6
44.5°	2904.9	2892.2	2870.0	2854.9	2845.3



66.5°	1561.3	1555.0	1543.0	1539.1	1535.1
67°	1522.4	1515.2	1504.1	1500.1	1497.0



89°	23.2	22.8	22.6	23.8	24.1
89.5°	10.2	10.4	10.2	10.9	10.7



111.5°	2.0	1.7	1.8	1.8	1.7
112°	2.0	1.8	1.8	1.8	2.0



134°	4.1	4.0	3.9	3.8	4.1
134.5°	4.1	3.9	3.9	3.7	3.8



156.5°	3.1	2.9	2.9	3.0	3.1
157°	3.0	2.9	2.9	2.9	3.1



179°	3.4	3.3	3.2	3.3	3.4
179.5°	3.0	3.2	3.1	3.0	3.3



(END OF REPORT)