

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-140-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-140-L840-CFR2  
Description: 14000 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

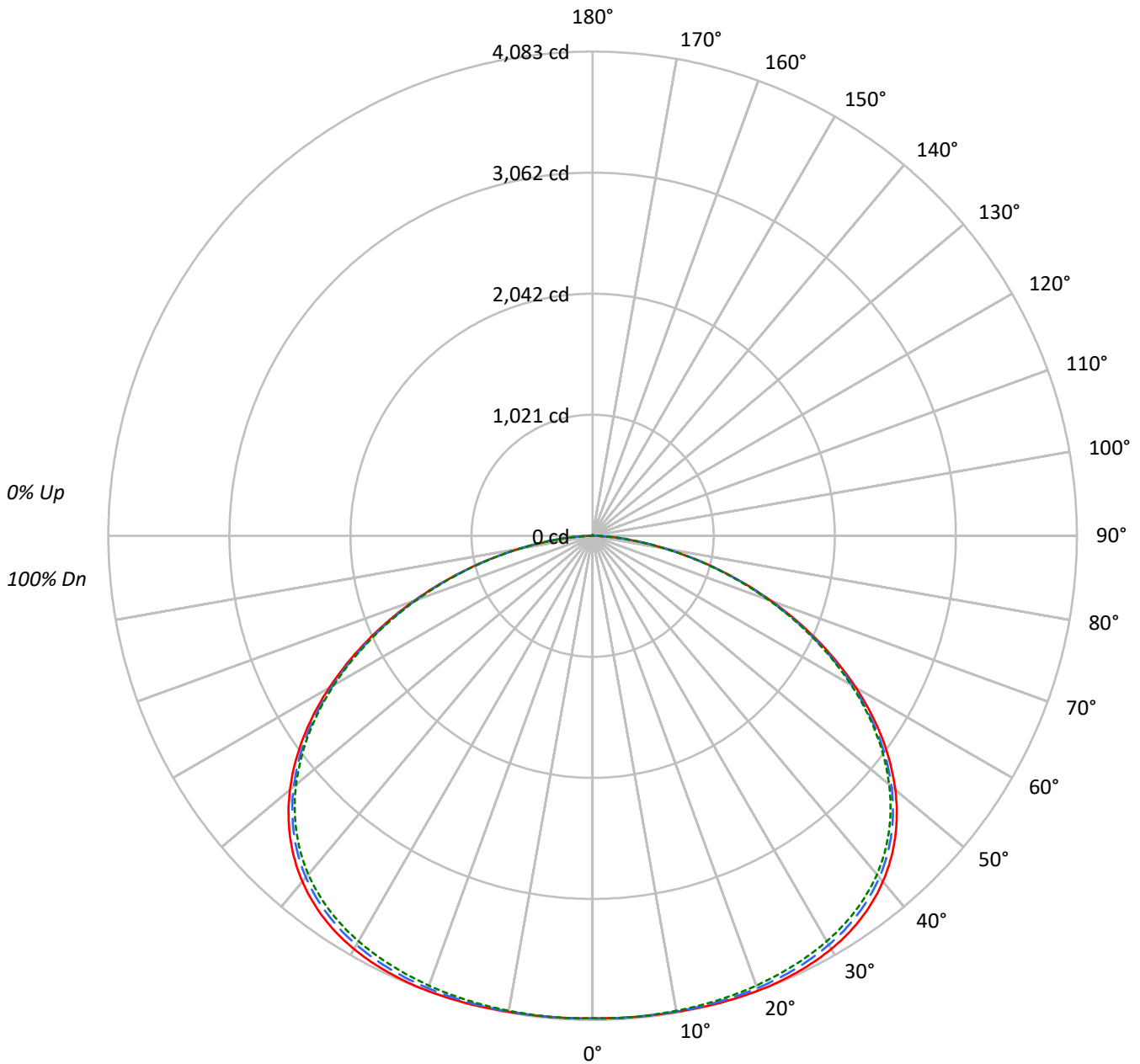
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14735.1 lumens  
Efficiency: N/A  
Efficacy: 122.8 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): 120  
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°	2905	2905	2905
5°	2919	2919	2918
10°	2956	2953	2948
15°	3017	3009	2999
20°	3101	3084	3067
25°	3202	3177	3152
30°	3317	3283	3254
35°	3436	3396	3366
40°	3547	3505	3475
45°	3641	3595	3565
50°	3699	3654	3624
55°	3711	3665	3638
60°	3662	3616	3595
65°	3543	3502	3486
70°	3340	3304	3288
75°	3025	3006	2992
80°	2574	2582	2554
85°	1917	1963	1961



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.8	2.6
10°-20°	1153.4	7.8
20°-30°	1864.5	12.7
30°-40°	2442.1	16.6
40°-50°	2746.9	18.6
50°-60°	2628.5	17.8
60°-70°	2050.0	13.9
70°-80°	1155.3	7.8
80°-90°	285.9	1.9
90°-100°	1.0	0.0
100°-110°	1.7	0.0
110°-120°	3.0	0.0
120°-130°	4.7	0.0
130°-140°	3.7	0.0
140°-150°	2.3	0.0
150°-160°	1.7	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	3406.7	23.1
0°-40°	5848.8	39.7
0°-60°	11224.3	76.2
0°-90°	14715.5	99.9
90°-120°	5.7	0.0
90°-150°	16.4	0.1
90°-180°	20.0	0.1
0°-180°	14735.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4069	4069	4069	4069	4069	
5°	4073	4074	4073	4073	4072	389
15°	4082	4081	4071	4062	4058	1157
25°	4065	4058	4034	4011	4002	1879
35°	3942	3929	3897	3873	3862	2468
45°	3606	3590	3561	3544	3531	2778
55°	2982	2966	2945	2932	2923	2658
65°	2097	2089	2073	2067	2064	2070
75°	1097	1097	1090	1088	1085	1162
85°	234	237	240	242	239	271
90°	2	2	2	2	2	11
95°	1	1	1	1	1	1
105°	2	2	2	2	2	2
115°	3	3	3	3	3	3
125°	6	6	6	5	5	5
135°	5	5	5	5	5	4
145°	4	4	4	3	4	2
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	5	5	5	5	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4069.4	4069.4	4069.4	4069.4	4069.4
0.5°	4068.4	4071.4	4072.4	4071.4	4069.4
1°	4069.4	4071.4	4072.4	4072.4	4070.4
1.5°	4070.4	4072.4	4072.4	4072.4	4071.4
2°	4070.4	4072.4	4072.4	4073.3	4071.4
2.5°	4071.4	4073.3	4073.3	4073.3	4071.4
3°	4072.4	4073.3	4073.3	4073.3	4072.4
3.5°	4072.4	4073.3	4073.3	4073.3	4072.4
4°	4073.3	4073.3	4073.3	4073.3	4072.4
4.5°	4073.3	4074.3	4073.3	4073.3	4072.4
5°	4073.3	4074.3	4073.3	4073.3	4072.4
5.5°	4073.3	4074.3	4073.3	4073.3	4072.4
6°	4074.3	4074.3	4073.3	4073.3	4071.4
6.5°	4074.3	4075.3	4074.3	4073.3	4071.4
7°	4074.3	4075.3	4073.3	4073.3	4071.4
7.5°	4074.3	4075.3	4073.3	4072.4	4070.4
8°	4075.3	4075.3	4074.3	4072.4	4070.4
8.5°	4075.3	4076.3	4073.3	4072.4	4069.4
9°	4076.3	4076.3	4074.3	4071.4	4069.4
9.5°	4076.3	4077.3	4073.3	4071.4	4068.4
10°	4077.3	4077.3	4073.3	4070.4	4067.4
10.5°	4078.3	4078.3	4073.3	4070.4	4067.4
11°	4078.3	4078.3	4073.3	4069.4	4066.4
11.5°	4079.3	4079.3	4073.3	4068.4	4065.4
12°	4079.3	4079.3	4073.3	4068.4	4064.4
12.5°	4080.3	4079.3	4072.4	4067.4	4063.4
13°	4080.3	4079.3	4072.4	4066.4	4062.4
13.5°	4081.3	4080.3	4072.4	4065.4	4061.4
14°	4081.3	4080.3	4072.4	4064.4	4059.5
14.5°	4082.3	4080.3	4071.4	4063.4	4058.5
15°	4082.3	4081.3	4071.4	4062.4	4057.5
15.5°	4083.3	4081.3	4070.4	4060.4	4055.5
16°	4082.3	4081.3	4069.4	4059.5	4053.5
16.5°	4083.3	4081.3	4069.4	4057.5	4051.5
17°	4083.3	4080.3	4068.4	4055.5	4050.5
17.5°	4083.3	4080.3	4066.4	4054.5	4048.5
18°	4083.3	4080.3	4065.4	4052.5	4045.6
18.5°	4083.3	4079.3	4064.4	4050.5	4043.6
19°	4082.3	4079.3	4063.4	4048.5	4041.6
19.5°	4082.3	4078.3	4061.4	4045.6	4038.6
20°	4081.3	4077.3	4059.5	4043.6	4036.6
20.5°	4080.3	4076.3	4058.5	4041.6	4033.6
21°	4080.3	4075.3	4056.5	4038.6	4030.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	4076.3	4070.4	4049.5	4029.7	4020.7
23°	4074.3	4068.4	4046.6	4026.7	4017.8
23.5°	4072.4	4066.4	4043.6	4022.7	4013.8
24°	4070.4	4064.4	4040.6	4018.8	4009.8
24.5°	4068.4	4061.4	4037.6	4014.8	4005.9
25°	4065.4	4058.5	4033.6	4010.8	4001.9
25.5°	4062.4	4055.5	4029.7	4006.8	3996.9
26°	4059.5	4052.5	4025.7	4002.9	3993.0
26.5°	4056.5	4048.5	4021.7	3997.9	3988.0
27°	4052.5	4044.6	4016.8	3993.0	3983.0
27.5°	4048.5	4040.6	4011.8	3988.0	3978.1
28°	4044.6	4035.6	4006.8	3983.0	3973.1
28.5°	4039.6	4030.7	4001.9	3977.1	3967.1
29°	4034.6	4025.7	3995.9	3971.1	3961.2
29.5°	4029.7	4019.8	3990.0	3965.2	3954.2
30°	4023.7	4013.8	3983.0	3958.2	3947.3
30.5°	4017.8	4007.8	3976.1	3951.3	3941.3
31°	4010.8	4000.9	3969.1	3944.3	3933.4
31.5°	4004.9	3993.9	3961.2	3937.4	3926.5
32°	3996.9	3986.0	3954.2	3929.4	3918.5
32.5°	3989.0	3978.1	3945.3	3920.5	3909.6
33°	3981.0	3969.1	3936.4	3912.6	3900.6
33.5°	3972.1	3960.2	3927.4	3903.6	3891.7
34°	3962.2	3950.3	3917.5	3893.7	3882.8
34.5°	3952.3	3940.3	3907.6	3883.8	3872.9
35°	3942.3	3929.4	3896.7	3872.9	3861.9
35.5°	3931.4	3918.5	3885.8	3861.9	3851.0
36°	3920.5	3906.6	3873.9	3851.0	3839.1
36.5°	3907.6	3894.7	3861.9	3839.1	3828.2
37°	3894.7	3881.8	3849.0	3826.2	3815.3
37.5°	3881.8	3867.9	3836.1	3813.3	3801.4
38°	3867.9	3855.0	3822.2	3800.4	3788.5
38.5°	3854.0	3840.1	3807.4	3785.5	3774.6
39°	3839.1	3824.2	3792.5	3771.6	3759.7
39.5°	3823.2	3808.3	3777.6	3755.7	3744.8
40°	3806.4	3792.5	3760.7	3739.9	3728.9
40.5°	3790.5	3775.6	3743.8	3724.0	3712.1
41°	3772.6	3757.7	3727.0	3706.1	3694.2
41.5°	3753.8	3738.9	3708.1	3688.2	3676.3
42°	3734.9	3720.0	3689.2	3670.4	3657.5
42.5°	3715.0	3700.2	3669.4	3650.5	3638.6
43°	3695.2	3679.3	3649.5	3630.7	3618.8
43.5°	3674.4	3658.5	3628.7	3609.8	3597.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	3605.9	3590.0	3561.2	3544.3	3531.4
45.5°	3582.0	3565.2	3537.4	3520.5	3508.6
46°	3557.2	3540.4	3512.6	3495.7	3483.8
46.5°	3531.4	3514.6	3487.8	3470.9	3459.0
47°	3504.6	3488.7	3461.0	3446.1	3433.2
47.5°	3477.8	3461.0	3434.2	3419.3	3406.4
48°	3451.0	3433.2	3407.4	3391.5	3378.6
48.5°	3422.2	3405.4	3379.6	3364.7	3352.8
49°	3391.5	3375.6	3349.8	3333.9	3323.0
49.5°	3361.7	3345.8	3320.0	3305.1	3293.2
50°	3330.9	3314.1	3290.2	3275.4	3263.4
50.5°	3299.2	3282.3	3258.5	3243.6	3232.7
51°	3267.4	3250.5	3226.7	3211.8	3199.9
51.5°	3233.7	3216.8	3193.0	3179.1	3168.2
52°	3199.9	3183.0	3159.2	3146.3	3135.4
52.5°	3166.2	3149.3	3125.5	3111.6	3101.7
53°	3129.5	3113.6	3091.7	3078.8	3067.9
53.5°	3092.7	3076.8	3055.0	3042.1	3032.2
54°	3056.0	3040.1	3018.3	3005.4	2996.5
54.5°	3020.3	3003.4	2982.6	2969.7	2960.7
55°	2981.6	2965.7	2944.8	2931.9	2923.0
55.5°	2942.9	2927.0	2906.1	2893.2	2885.3
56°	2902.2	2887.3	2866.4	2855.5	2847.6
56.5°	2861.5	2847.6	2826.7	2815.8	2807.9
57°	2821.8	2806.9	2787.0	2777.1	2769.2
57.5°	2782.1	2766.2	2746.3	2736.4	2728.5
58°	2738.4	2723.5	2704.6	2694.7	2687.8
58.5°	2695.7	2681.8	2662.0	2653.0	2646.1
59°	2653.0	2639.1	2620.3	2611.4	2604.4
59.5°	2608.4	2595.5	2576.6	2567.7	2560.7
60°	2564.7	2550.8	2532.9	2525.0	2518.1
60.5°	2520.0	2508.1	2489.3	2481.3	2474.4
61°	2474.4	2462.5	2444.6	2436.7	2429.7
61.5°	2427.7	2417.8	2399.9	2392.0	2386.0
62°	2382.1	2372.2	2354.3	2347.3	2341.4
62.5°	2335.4	2325.5	2307.6	2300.7	2294.7
63°	2288.8	2278.9	2262.0	2255.0	2249.1
63.5°	2241.1	2231.2	2215.3	2208.4	2202.4
64°	2193.5	2183.6	2166.7	2161.7	2154.8
64.5°	2145.9	2135.9	2119.1	2114.1	2108.1
65°	2097.2	2089.3	2073.4	2067.4	2063.5
65.5°	2049.6	2039.7	2024.8	2019.8	2013.8
66°	1999.0	1991.0	1976.1	1971.2	1967.2





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1852.1	1843.1	1830.2	1825.3	1820.3
68°	1801.4	1793.5	1780.6	1776.6	1771.7
68.5°	1750.8	1742.9	1730.0	1727.0	1724.0
69°	1700.2	1692.3	1681.3	1678.4	1674.4
69.5°	1650.6	1642.6	1632.7	1629.7	1624.8
70°	1600.0	1593.0	1583.1	1580.1	1575.1
70.5°	1549.3	1542.4	1533.5	1530.5	1525.5
71°	1498.7	1492.8	1484.8	1480.9	1475.9
71.5°	1449.1	1443.1	1434.2	1431.2	1427.3
72°	1398.5	1393.5	1384.6	1382.6	1377.6
72.5°	1347.9	1343.9	1335.0	1333.0	1329.0
73°	1297.2	1293.3	1284.3	1282.4	1279.4
73.5°	1247.6	1243.6	1235.7	1232.7	1229.7
74°	1198.0	1195.0	1187.1	1185.1	1181.1
74.5°	1147.4	1145.4	1138.4	1135.5	1132.5
75°	1096.7	1096.7	1089.8	1087.8	1084.8
75.5°	1048.1	1048.1	1041.2	1039.2	1036.2
76°	999.5	999.5	992.5	990.6	986.7
76.5°	950.3	950.7	944.9	942.8	939.5
77°	903.3	903.7	898.4	895.8	892.5
77.5°	853.0	855.4	851.0	848.6	845.3
78°	806.0	809.0	804.5	802.7	799.9
78.5°	761.8	763.7	760.8	758.5	754.6
79°	715.4	716.9	715.0	713.0	709.3
79.5°	669.8	672.2	671.0	669.2	664.8
80°	626.0	627.8	628.1	625.4	621.3
80.5°	579.9	583.6	584.2	581.5	579.4
81°	537.4	540.8	541.8	540.2	537.5
81.5°	495.5	499.5	500.4	499.5	496.0
82°	453.5	458.5	459.9	459.2	455.3
82.5°	413.4	418.9	420.5	419.9	416.3
83°	374.5	380.5	382.0	382.5	379.1
83.5°	336.9	342.6	344.5	345.1	341.4
84°	300.7	305.9	308.3	309.3	306.2
84.5°	266.4	270.6	273.4	274.7	273.2
85°	234.0	237.0	239.7	241.5	239.4
85.5°	202.7	205.1	207.0	209.8	208.1
86°	173.5	175.9	177.3	179.4	179.4
86.5°	145.7	146.8	147.9	150.5	150.5
87°	119.1	119.2	119.6	122.9	123.0
87.5°	91.9	92.7	93.1	96.0	97.0
88°	64.8	67.1	67.7	70.4	70.2
88.5°	45.9	45.9	45.8	48.4	49.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.2	2.1	2.2	2.3	2.1
90.5°	0.7	0.6	0.7	0.8	0.7
91°	0.7	0.6	0.6	0.7	0.6
91.5°	0.9	0.7	0.8	0.6	0.5
92°	0.7	0.7	0.7	0.8	0.7
92.5°	0.8	0.7	0.7	0.8	0.7
93°	0.8	0.8	0.8	0.7	0.6
93.5°	0.9	0.7	0.8	0.8	0.9
94°	0.9	0.8	0.9	0.8	1.0
94.5°	0.9	0.9	0.8	0.9	0.9
95°	0.9	0.7	0.9	0.8	1.0
95.5°	0.8	0.9	1.0	0.9	1.0
96°	1.1	1.1	0.9	0.9	1.0
96.5°	1.1	1.0	1.0	0.9	1.0
97°	1.1	1.0	1.1	0.9	1.2
97.5°	1.2	1.0	1.0	0.9	1.2
98°	1.3	1.1	1.1	1.1	1.3
98.5°	1.3	1.1	1.0	1.0	1.2
99°	1.2	1.2	1.1	1.0	1.1
99.5°	1.3	1.0	1.2	1.1	1.1
100°	1.3	1.2	1.2	1.2	1.3
100.5°	1.3	1.3	1.2	1.3	1.3
101°	1.4	1.2	1.2	1.2	1.2
101.5°	1.5	1.2	1.3	1.3	1.4
102°	1.6	1.3	1.4	1.3	1.4
102.5°	1.4	1.3	1.3	1.4	1.4
103°	1.4	1.2	1.4	1.3	1.4
103.5°	1.5	1.5	1.4	1.4	1.3
104°	1.7	1.5	1.5	1.4	1.3
104.5°	1.5	1.6	1.6	1.6	1.4
105°	1.8	1.6	1.5	1.7	1.7
105.5°	1.7	1.4	1.6	1.5	1.5
106°	1.6	1.6	1.7	1.7	1.8
106.5°	1.8	1.6	1.7	1.6	1.5
107°	1.7	1.7	1.8	1.8	1.6
107.5°	1.9	1.7	1.8	1.9	1.8
108°	1.9	1.7	1.6	1.9	1.7
108.5°	1.9	1.9	1.9	1.8	1.7
109°	2.0	1.9	1.9	1.9	2.0
109.5°	2.1	1.8	2.1	2.0	1.8
110°	2.0	2.0	2.0	2.1	2.0
110.5°	2.1	2.0	2.1	2.1	2.2
111°	2.1	2.2	2.2	2.2	2.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-140-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	2.5	2.6	2.5	2.3
113°	2.7	2.4	2.4	2.5	2.5
113.5°	2.7	2.7	2.7	2.8	2.8
114°	2.8	2.8	2.9	2.9	2.8
114.5°	3.0	3.0	2.9	2.9	2.7
115°	3.0	3.0	2.9	3.0	2.9
115.5°	3.3	3.0	3.2	3.1	2.9
116°	3.2	3.3	3.3	3.2	3.1
116.5°	3.4	3.4	3.4	3.4	3.3
117°	3.6	3.6	3.6	3.6	3.2
117.5°	3.8	3.6	3.7	3.6	3.4
118°	3.8	3.7	3.9	3.7	3.5
118.5°	4.1	3.9	3.9	3.8	3.7
119°	4.1	4.1	4.2	3.9	3.9
119.5°	4.2	4.2	4.2	4.1	4.0
120°	4.4	4.4	4.3	4.2	4.3
120.5°	4.5	4.3	4.5	4.4	4.3
121°	4.5	4.5	4.5	4.5	4.3
121.5°	5.0	4.8	4.7	4.5	4.5
122°	4.7	5.0	4.8	4.7	4.8
122.5°	5.1	5.0	4.9	4.9	4.7
123°	5.2	5.2	5.0	5.0	4.9
123.5°	5.2	5.4	5.1	4.9	5.1
124°	5.3	5.4	5.3	5.1	5.1
124.5°	5.6	5.4	5.3	5.2	5.2
125°	5.8	5.6	5.5	5.4	5.4
125.5°	5.8	5.7	5.5	5.4	5.5
126°	5.8	5.6	5.5	5.5	5.4
126.5°	5.6	5.7	5.8	5.5	5.6
127°	5.8	5.8	5.6	5.5	5.4
127.5°	6.0	5.9	5.8	5.5	5.4
128°	6.0	5.7	5.7	5.5	5.6
128.5°	5.8	5.8	5.6	5.4	5.6
129°	5.7	5.7	5.6	5.5	5.4
129.5°	5.6	5.7	5.6	5.5	5.5
130°	5.6	5.7	5.5	5.3	5.4
130.5°	5.8	5.6	5.6	5.1	5.4
131°	5.5	5.5	5.5	5.2	5.3
131.5°	5.6	5.4	5.2	5.1	5.2
132°	5.5	5.3	5.3	5.1	5.1
132.5°	5.5	5.3	5.2	5.1	5.2
133°	5.3	5.1	5.1	4.8	5.0
133.5°	5.4	5.1	4.9	4.7	5.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-140-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	5.2	4.9	4.7	4.6	5.0
135.5°	4.9	5.0	4.7	4.5	4.8
136°	4.8	4.7	4.5	4.3	4.8
136.5°	4.9	4.7	4.5	4.3	4.7
137°	4.8	4.6	4.5	4.3	4.6
137.5°	4.7	4.5	4.4	4.1	4.4
138°	4.6	4.4	4.2	4.1	4.4
138.5°	4.7	4.4	4.3	4.0	4.3
139°	4.1	4.3	4.2	3.8	4.4
139.5°	4.4	4.1	4.0	3.9	4.3
140°	4.3	4.0	4.1	3.8	4.0
140.5°	4.3	4.0	4.0	3.8	4.0
141°	4.1	4.0	3.9	3.6	3.8
141.5°	3.8	4.0	4.0	3.6	3.8
142°	3.7	3.7	3.9	3.7	3.5
142.5°	3.7	3.9	3.8	3.6	3.5
143°	3.9	3.8	3.8	3.7	3.5
143.5°	3.9	3.8	3.8	3.5	3.5
144°	3.9	3.6	3.9	3.4	3.6
144.5°	3.7	3.6	3.7	3.5	3.6
145°	3.8	3.6	3.7	3.3	3.6
145.5°	3.7	3.5	3.6	3.3	3.8
146°	3.7	3.5	3.4	3.3	3.6
146.5°	3.8	3.5	3.4	3.3	3.6
147°	3.7	3.5	3.3	3.4	3.4
147.5°	3.6	3.5	3.3	3.4	3.7
148°	3.7	3.5	3.4	3.3	3.7
148.5°	3.8	3.6	3.4	3.3	3.7
149°	3.7	3.5	3.4	3.3	3.7
149.5°	3.9	3.4	3.4	3.3	3.8
150°	3.8	3.6	3.4	3.3	3.7
150.5°	3.7	3.5	3.4	3.4	3.7
151°	3.9	3.5	3.3	3.4	3.9
151.5°	3.8	3.6	3.3	3.4	3.9
152°	3.9	3.6	3.5	3.6	3.7
152.5°	3.9	3.7	3.4	3.5	3.9
153°	3.8	3.6	3.5	3.7	4.0
153.5°	4.1	3.7	3.4	3.6	3.9
154°	3.9	3.7	3.6	3.6	3.9
154.5°	3.9	3.6	3.6	3.8	4.0
155°	3.7	3.7	3.7	3.8	4.1
155.5°	3.9	3.6	3.6	3.7	4.0
156°	3.7	3.7	3.7	3.7	4.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-140-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	3.7	3.5	3.6	3.8	3.9
158°	4.0	3.7	3.6	3.7	4.0
158.5°	3.8	3.7	3.5	3.7	3.9
159°	3.9	3.7	3.6	3.7	4.1
159.5°	3.8	3.6	3.6	3.7	4.2
160°	3.8	3.7	3.5	3.7	4.0
160.5°	3.7	3.6	3.6	3.8	4.0
161°	3.7	3.6	3.6	3.8	4.0
161.5°	3.8	3.7	3.6	3.6	3.8
162°	3.7	3.6	3.7	3.8	3.8
162.5°	3.9	3.8	3.7	3.7	3.9
163°	3.9	3.7	3.8	3.8	3.8
163.5°	3.8	3.7	3.8	3.8	4.1
164°	3.7	3.8	3.7	4.0	4.0
164.5°	3.6	3.9	3.8	4.0	4.1
165°	3.7	3.7	3.6	3.9	4.0
165.5°	3.5	3.7	3.6	4.2	4.0
166°	3.8	3.8	3.7	4.0	3.9
166.5°	3.8	3.7	3.6	4.1	3.7
167°	3.7	4.0	3.7	4.2	4.1
167.5°	3.8	4.0	3.8	4.3	4.1
168°	3.9	3.9	3.7	4.2	4.0
168.5°	3.8	4.1	3.9	4.5	4.1
169°	4.1	4.0	3.7	4.5	4.1
169.5°	4.0	4.0	3.8	4.4	4.2
170°	4.1	4.0	3.9	4.5	4.1
170.5°	4.1	4.2	3.9	4.5	4.3
171°	4.1	4.1	4.1	4.5	4.4
171.5°	4.0	4.1	4.1	4.6	4.2
172°	4.0	4.1	4.2	4.6	4.3
172.5°	4.2	4.2	4.3	4.6	4.3
173°	4.0	4.0	4.3	4.6	4.4
173.5°	4.3	4.2	4.4	4.5	4.5
174°	4.4	4.4	4.7	4.6	4.4
174.5°	4.4	4.6	4.6	4.8	4.6
175°	4.7	4.6	4.7	4.8	4.5
175.5°	4.7	4.6	4.9	4.7	4.7
176°	4.9	4.8	4.7	4.6	4.6
176.5°	5.0	4.7	4.8	4.4	4.6
177°	4.8	4.7	4.5	4.4	4.6
177.5°	4.9	4.7	4.4	4.3	4.7
178°	4.6	4.5	4.3	4.3	4.4
178.5°	4.5	4.4	4.2	4.2	4.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-140-L840-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.9	3.9	3.9	3.9	3.9



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	4079.3	4074.3	4054.5	4035.6	4027.7
22°	4077.3	4072.4	4051.5	4032.7	4024.7



44°	3651.5	3636.6	3606.9	3589.0	3577.1
44.5°	3628.7	3612.8	3585.0	3566.2	3554.3



66.5°	1950.3	1942.4	1927.5	1922.5	1917.6
67°	1901.7	1892.8	1878.9	1873.9	1869.9



89°	29.0	28.5	28.2	29.7	30.1
89.5°	12.8	13.0	12.7	13.6	13.4



111.5°	2.5	2.2	2.3	2.3	2.2
112°	2.5	2.3	2.3	2.3	2.5





134°	5.1	5.0	4.9	4.8	5.1
134.5°	5.2	4.9	4.9	4.6	4.8



156.5°	3.9	3.6	3.7	3.8	3.9
157°	3.8	3.6	3.7	3.7	3.9



179°	4.3	4.2	4.0	4.1	4.3
179.5°	3.8	4.0	3.9	3.8	4.1



(END OF REPORT)