

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-180-L940-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**

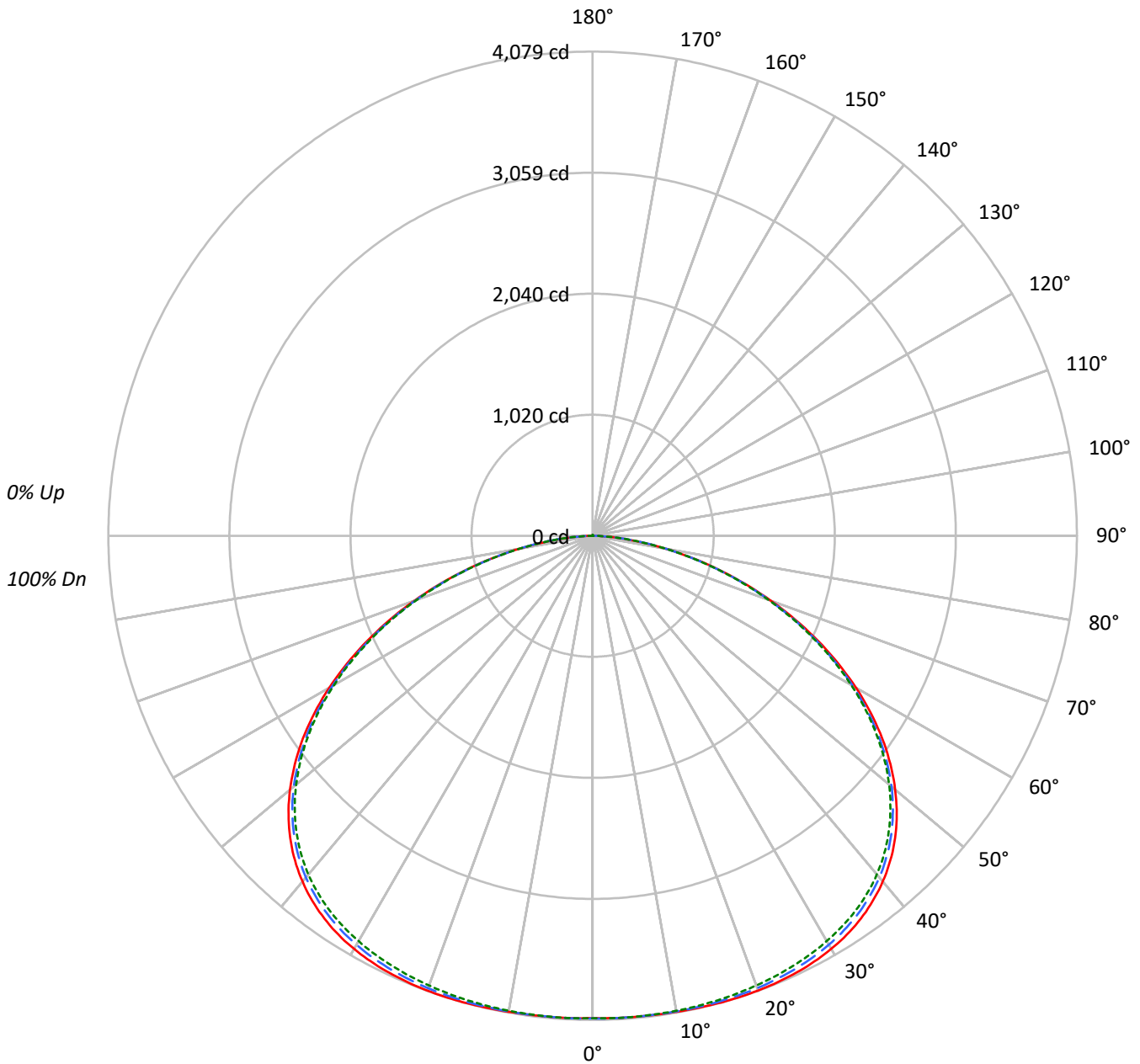
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-180-L940-CFD2  
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS  
AND 4000K CCT, 90CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No.   Condition   Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14718.2 lumens  
Efficiency: N/A  
Efficacy: 100.9 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): 145.8  
Input Voltage (V):  
Input Current (Ain): 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-180-L940-CFD2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**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°	2902	2902	2902
5°	2905	2900	2904
10°	2930	2918	2923
15°	2979	2958	2961
20°	3049	3014	3016
25°	3136	3086	3087
30°	3233	3169	3172
35°	3332	3254	3264
40°	3420	3331	3350
45°	3487	3386	3415
50°	3515	3404	3444
55°	3493	3369	3424
60°	3404	3269	3343
65°	3240	3095	3188
70°	2984	2829	2938
75°	2604	2448	2576
80°	2067	1918	2052
85°	1285	1158	1314



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	388.4	2.6
10°-20°	1152.0	7.8
20°-30°	1862.4	12.7
30°-40°	2439.3	16.6
40°-50°	2743.8	18.6
50°-60°	2625.5	17.8
60°-70°	2047.7	13.9
70°-80°	1154.0	7.8
80°-90°	285.5	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°	3402.8	23.1
0°-40°	5842.1	39.7
0°-60°	11211.3	76.2
0°-90°	14698.6	99.9
90°-120°	5.7	0.0
90°-150°	16.4	0.1
90°-180°	20.0	0.1
0°-180°	14718.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4065	4065	4065	4065	4065	
5°	4069	4070	4069	4069	4068	388
15°	4078	4077	4067	4058	4053	1156
25°	4061	4054	4029	4006	3997	1877
35°	3938	3925	3892	3868	3858	2465
45°	3602	3586	3557	3540	3527	2774
55°	2978	2962	2941	2929	2920	2655
65°	2095	2087	2071	2065	2061	2068
75°	1096	1096	1088	1087	1084	1161
85°	234	237	239	241	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	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4064.7	4064.7	4064.7	4064.7	4064.7
0.5°	4063.7	4066.7	4067.7	4066.7	4064.7
1°	4064.7	4066.7	4067.7	4067.7	4065.7
1.5°	4065.7	4067.7	4067.7	4067.7	4066.7
2°	4065.7	4067.7	4067.7	4068.6	4066.7
2.5°	4066.7	4068.6	4068.6	4068.6	4066.7
3°	4067.7	4068.6	4068.6	4068.6	4067.7
3.5°	4067.7	4068.6	4068.6	4068.6	4067.7
4°	4068.6	4068.6	4068.6	4068.6	4067.7
4.5°	4068.6	4069.6	4068.6	4068.6	4067.7
5°	4068.6	4069.6	4068.6	4068.6	4067.7
5.5°	4068.6	4069.6	4068.6	4068.6	4067.7
6°	4069.6	4069.6	4068.6	4068.6	4066.7
6.5°	4069.6	4070.6	4069.6	4068.6	4066.7
7°	4069.6	4070.6	4068.6	4068.6	4066.7
7.5°	4069.6	4070.6	4068.6	4067.7	4065.7
8°	4070.6	4070.6	4069.6	4067.7	4065.7
8.5°	4070.6	4071.6	4068.6	4067.7	4064.7
9°	4071.6	4071.6	4069.6	4066.7	4064.7
9.5°	4071.6	4072.6	4068.6	4066.7	4063.7
10°	4072.6	4072.6	4068.6	4065.7	4062.7
10.5°	4073.6	4073.6	4068.6	4065.7	4062.7
11°	4073.6	4073.6	4068.6	4064.7	4061.7
11.5°	4074.6	4074.6	4068.6	4063.7	4060.7
12°	4074.6	4074.6	4068.6	4063.7	4059.7
12.5°	4075.6	4074.6	4067.7	4062.7	4058.7
13°	4075.6	4074.6	4067.7	4061.7	4057.7
13.5°	4076.6	4075.6	4067.7	4060.7	4056.8
14°	4076.6	4075.6	4067.7	4059.7	4054.8
14.5°	4077.6	4075.6	4066.7	4058.7	4053.8
15°	4077.6	4076.6	4066.7	4057.7	4052.8
15.5°	4078.6	4076.6	4065.7	4055.8	4050.8
16°	4077.6	4076.6	4064.7	4054.8	4048.8
16.5°	4078.6	4076.6	4064.7	4052.8	4046.8
17°	4078.6	4075.6	4063.7	4050.8	4045.8
17.5°	4078.6	4075.6	4061.7	4049.8	4043.9
18°	4078.6	4075.6	4060.7	4047.8	4040.9
18.5°	4078.6	4074.6	4059.7	4045.8	4038.9
19°	4077.6	4074.6	4058.7	4043.9	4036.9
19.5°	4077.6	4073.6	4056.8	4040.9	4034.0
20°	4076.6	4072.6	4054.8	4038.9	4032.0
20.5°	4075.6	4071.6	4053.8	4036.9	4029.0
21°	4075.6	4070.6	4051.8	4034.0	4026.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	4071.6	4065.7	4044.9	4025.0	4016.1
23°	4069.6	4063.7	4041.9	4022.1	4013.1
23.5°	4067.7	4061.7	4038.9	4018.1	4009.2
24°	4065.7	4059.7	4035.9	4014.1	4005.2
24.5°	4063.7	4056.8	4033.0	4010.2	4001.2
25°	4060.7	4053.8	4029.0	4006.2	3997.3
25.5°	4057.7	4050.8	4025.0	4002.2	3992.3
26°	4054.8	4047.8	4021.1	3998.3	3988.3
26.5°	4051.8	4043.9	4017.1	3993.3	3983.4
27°	4047.8	4039.9	4012.1	3988.3	3978.4
27.5°	4043.9	4035.9	4007.2	3983.4	3973.5
28°	4039.9	4031.0	4002.2	3978.4	3968.5
28.5°	4034.9	4026.0	3997.3	3972.5	3962.6
29°	4030.0	4021.1	3991.3	3966.5	3956.6
29.5°	4025.0	4015.1	3985.4	3960.6	3949.7
30°	4019.1	4009.2	3978.4	3953.6	3942.7
30.5°	4013.1	4003.2	3971.5	3946.7	3936.8
31°	4006.2	3996.3	3964.6	3939.8	3928.9
31.5°	4000.2	3989.3	3956.6	3932.8	3921.9
32°	3992.3	3981.4	3949.7	3924.9	3914.0
32.5°	3984.4	3973.5	3940.8	3916.0	3905.1
33°	3976.5	3964.6	3931.8	3908.0	3896.1
33.5°	3967.5	3955.6	3922.9	3899.1	3887.2
34°	3957.6	3945.7	3913.0	3889.2	3878.3
34.5°	3947.7	3935.8	3903.1	3879.3	3868.4
35°	3937.8	3924.9	3892.2	3868.4	3857.5
35.5°	3926.9	3914.0	3881.3	3857.5	3846.6
36°	3916.0	3902.1	3869.4	3846.6	3834.7
36.5°	3903.1	3890.2	3857.5	3834.7	3823.8
37°	3890.2	3877.3	3844.6	3821.8	3810.9
37.5°	3877.3	3863.4	3831.7	3808.9	3797.0
38°	3863.4	3850.5	3817.8	3796.0	3784.1
38.5°	3849.6	3835.7	3803.0	3781.1	3770.2
39°	3834.7	3819.8	3788.1	3767.3	3755.4
39.5°	3818.8	3803.9	3773.2	3751.4	3740.5
40°	3802.0	3788.1	3756.4	3735.5	3724.6
40.5°	3786.1	3771.2	3739.5	3719.7	3707.8
41°	3768.3	3753.4	3722.7	3701.8	3689.9
41.5°	3749.4	3734.6	3703.8	3684.0	3672.1
42°	3730.6	3715.7	3685.0	3666.1	3653.3
42.5°	3710.8	3695.9	3665.2	3646.3	3634.4
43°	3690.9	3675.1	3645.3	3626.5	3614.6
43.5°	3670.1	3654.3	3624.5	3605.7	3593.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	3601.7	3585.8	3557.1	3540.2	3527.4
45.5°	3577.9	3561.1	3533.3	3516.4	3504.6
46°	3553.1	3536.3	3508.5	3491.7	3479.8
46.5°	3527.4	3510.5	3483.7	3466.9	3455.0
47°	3500.6	3484.7	3457.0	3442.1	3429.2
47.5°	3473.8	3457.0	3430.2	3415.3	3402.4
48°	3447.1	3429.2	3403.4	3387.6	3374.7
48.5°	3418.3	3401.4	3375.7	3360.8	3348.9
49°	3387.6	3371.7	3345.9	3330.1	3319.2
49.5°	3357.8	3342.0	3316.2	3301.3	3289.4
50°	3327.1	3310.2	3286.4	3271.6	3259.7
50.5°	3295.4	3278.5	3254.7	3239.9	3228.9
51°	3263.6	3246.8	3223.0	3208.1	3196.2
51.5°	3229.9	3213.1	3189.3	3175.4	3164.5
52°	3196.2	3179.4	3155.6	3142.7	3131.8
52.5°	3162.5	3145.7	3121.9	3108.0	3098.1
53°	3125.8	3110.0	3088.2	3075.3	3064.4
53.5°	3089.2	3073.3	3051.5	3038.6	3028.7
54°	3052.5	3036.6	3014.8	3001.9	2993.0
54.5°	3016.8	2999.9	2979.1	2966.2	2957.3
55°	2978.1	2962.3	2941.4	2928.6	2919.6
55.5°	2939.5	2923.6	2902.8	2889.9	2882.0
56°	2898.8	2883.9	2863.1	2852.2	2844.3
56.5°	2858.2	2844.3	2823.5	2812.6	2804.6
57°	2818.5	2803.6	2783.8	2773.9	2766.0
57.5°	2778.9	2763.0	2743.2	2733.3	2725.3
58°	2735.2	2720.4	2701.5	2691.6	2684.7
58.5°	2692.6	2678.7	2658.9	2650.0	2643.0
59°	2650.0	2636.1	2617.3	2608.3	2601.4
59.5°	2605.4	2592.5	2573.6	2564.7	2557.8
60°	2561.7	2547.9	2530.0	2522.1	2515.1
60.5°	2517.1	2505.2	2486.4	2478.5	2471.5
61°	2471.5	2459.6	2441.8	2433.9	2426.9
61.5°	2424.9	2415.0	2397.2	2389.2	2383.3
62°	2379.3	2369.4	2351.6	2344.6	2338.7
62.5°	2332.7	2322.8	2305.0	2298.0	2292.1
63°	2286.1	2276.2	2259.4	2252.4	2246.5
63.5°	2238.6	2228.6	2212.8	2205.8	2199.9
64°	2191.0	2181.1	2164.2	2159.2	2152.3
64.5°	2143.4	2133.5	2116.6	2111.7	2105.7
65°	2094.8	2086.9	2071.0	2065.1	2061.1
65.5°	2047.2	2037.3	2022.4	2017.5	2011.5
66°	1996.7	1988.7	1973.9	1968.9	1964.9





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1849.9	1841.0	1828.1	1823.2	1818.2
68°	1799.4	1791.4	1778.5	1774.6	1769.6
68.5°	1748.8	1740.9	1728.0	1725.0	1722.0
69°	1698.2	1690.3	1679.4	1676.4	1672.5
69.5°	1648.7	1640.7	1630.8	1627.9	1622.9
70°	1598.1	1591.2	1581.3	1578.3	1573.3
70.5°	1547.6	1540.6	1531.7	1528.7	1523.8
71°	1497.0	1491.0	1483.1	1479.1	1474.2
71.5°	1447.4	1441.5	1432.6	1429.6	1425.6
72°	1396.9	1391.9	1383.0	1381.0	1376.0
72.5°	1346.3	1342.3	1333.4	1331.4	1327.5
73°	1295.7	1291.8	1282.9	1280.9	1277.9
73.5°	1246.2	1242.2	1234.3	1231.3	1228.3
74°	1196.6	1193.6	1185.7	1183.7	1179.7
74.5°	1146.0	1144.1	1137.1	1134.1	1131.2
75°	1095.5	1095.5	1088.5	1086.6	1083.6
75.5°	1046.9	1046.9	1040.0	1038.0	1035.0
76°	998.3	998.3	991.4	989.5	985.5
76.5°	949.3	949.6	943.8	941.7	938.4
77°	902.3	902.7	897.4	894.7	891.5
77.5°	852.0	854.4	850.0	847.6	844.4
78°	805.1	808.1	803.6	801.7	799.0
78.5°	760.9	762.8	759.9	757.6	753.8
79°	714.6	716.1	714.2	712.2	708.4
79.5°	669.0	671.5	670.2	668.4	664.0
80°	625.3	627.1	627.3	624.7	620.6
80.5°	579.3	582.9	583.5	580.9	578.8
81°	536.7	540.2	541.2	539.6	536.8
81.5°	494.9	499.0	499.9	499.0	495.4
82°	453.0	457.9	459.4	458.7	454.7
82.5°	412.9	418.5	420.1	419.5	415.8
83°	374.1	380.1	381.6	382.1	378.7
83.5°	336.5	342.2	344.1	344.7	341.0
84°	300.4	305.5	307.9	308.9	305.8
84.5°	266.1	270.3	273.1	274.4	272.9
85°	233.8	236.7	239.4	241.2	239.1
85.5°	202.4	204.8	206.8	209.6	207.9
86°	173.3	175.7	177.1	179.2	179.2
86.5°	145.5	146.6	147.7	150.3	150.3
87°	119.0	119.1	119.5	122.7	122.8
87.5°	91.8	92.6	93.0	95.9	96.9
88°	64.7	67.0	67.6	70.3	70.1
88.5°	45.8	45.8	45.7	48.4	49.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFD2

**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-180-L940-CFD2

**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°	5.9	5.8	5.8	5.5	5.4
128°	5.9	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-180-L940-CFD2

**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-180-L940-CFD2

**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-180-L940-CFD2

**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°	4074.6	4069.6	4049.8	4031.0	4023.0
22°	4072.6	4067.7	4046.8	4028.0	4020.1



44°	3647.3	3632.4	3602.7	3584.9	3573.0
44.5°	3624.5	3608.6	3580.9	3562.1	3550.2



66.5°	1948.1	1940.1	1925.3	1920.3	1915.4
67°	1899.5	1890.6	1876.7	1871.7	1867.8



89°	28.9	28.5	28.2	29.6	30.0
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)