

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-L930-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**

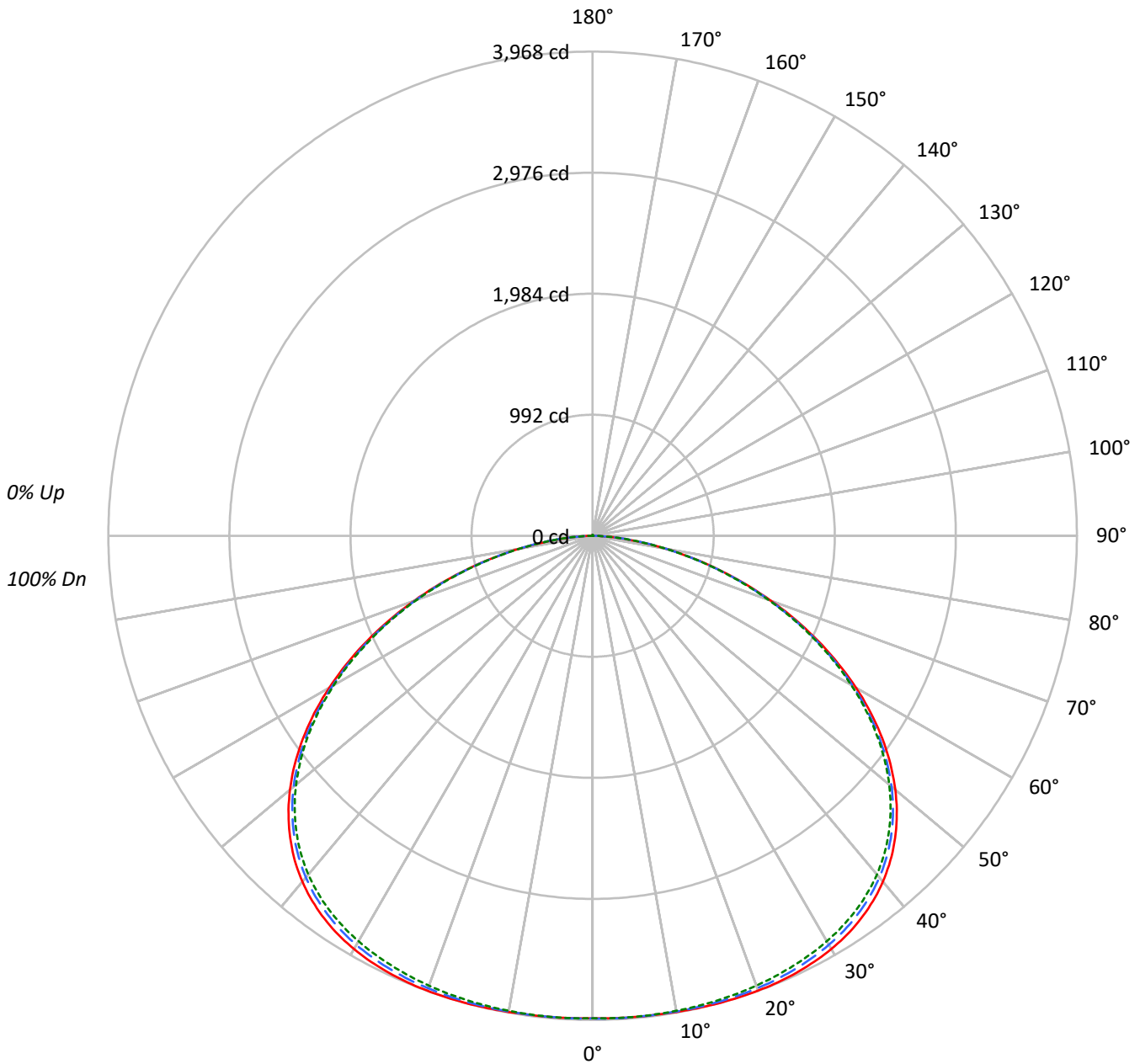
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-180-L930-CFD2  
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS  
AND 3000K CCT, 90CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No. Condition Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14321.0 lumens  
Efficiency: N/A  
Efficacy: 98.2 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): 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

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CATALOG NUMBER: 44ID-180-L930-CFD2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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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°	2823	2823	2823
5°	2826	2822	2826
10°	2851	2839	2844
15°	2899	2878	2881
20°	2967	2933	2935
25°	3051	3003	3004
30°	3146	3083	3086
35°	3242	3166	3176
40°	3328	3241	3260
45°	3393	3294	3323
50°	3420	3312	3351
55°	3398	3278	3332
60°	3313	3181	3252
65°	3153	3012	3102
70°	2903	2752	2858
75°	2534	2382	2507
80°	2012	1867	1997
85°	1250	1127	1279



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.9	2.6
10°-20°	1121.0	7.8
20°-30°	1812.1	12.7
30°-40°	2373.5	16.6
40°-50°	2669.8	18.6
50°-60°	2554.7	17.8
60°-70°	1992.4	13.9
70°-80°	1122.9	7.8
80°-90°	277.8	1.9
90°-100°	1.0	0.0
100°-110°	1.6	0.0
110°-120°	2.9	0.0
120°-130°	4.5	0.0
130°-140°	3.6	0.0
140°-150°	2.2	0.0
150°-160°	1.7	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	3311.0	23.1
0°-40°	5684.5	39.7
0°-60°	10908.9	76.2
0°-90°	14302.1	99.9
90°-120°	5.5	0.0
90°-150°	15.9	0.1
90°-180°	19.0	0.1
0°-180°	14321.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3959	3960	3959	3959	3958	378
15°	3968	3967	3957	3948	3944	1125
25°	3951	3944	3920	3898	3889	1826
35°	3832	3819	3787	3764	3753	2399
45°	3505	3489	3461	3445	3432	2700
55°	2898	2882	2862	2850	2841	2583
65°	2038	2031	2015	2009	2006	2012
75°	1066	1066	1059	1057	1054	1130
85°	228	230	233	235	233	264
90°	2	2	2	2	2	11
95°	1	1	1	1	1	1
105°	2	2	1	2	2	2
115°	3	3	3	3	3	3
125°	6	5	5	5	5	5
135°	5	5	4	4	5	4
145°	4	4	4	3	4	2
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	4	4	4	5	4	0
180°	4	4	4	4	4	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3955.0	3955.0	3955.0	3955.0	3955.0
0.5°	3954.1	3957.0	3957.9	3957.0	3955.0
1°	3955.0	3957.0	3957.9	3957.9	3956.0
1.5°	3956.0	3957.9	3957.9	3957.9	3957.0
2°	3956.0	3957.9	3957.9	3958.9	3957.0
2.5°	3957.0	3958.9	3958.9	3958.9	3957.0
3°	3957.9	3958.9	3958.9	3958.9	3957.9
3.5°	3957.9	3958.9	3958.9	3958.9	3957.9
4°	3958.9	3958.9	3958.9	3958.9	3957.9
4.5°	3958.9	3959.9	3958.9	3958.9	3957.9
5°	3958.9	3959.9	3958.9	3958.9	3957.9
5.5°	3958.9	3959.9	3958.9	3958.9	3957.9
6°	3959.9	3959.9	3958.9	3958.9	3957.0
6.5°	3959.9	3960.8	3959.9	3958.9	3957.0
7°	3959.9	3960.8	3958.9	3958.9	3957.0
7.5°	3959.9	3960.8	3958.9	3957.9	3956.0
8°	3960.8	3960.8	3959.9	3957.9	3956.0
8.5°	3960.8	3961.8	3958.9	3957.9	3955.0
9°	3961.8	3961.8	3959.9	3957.0	3955.0
9.5°	3961.8	3962.8	3958.9	3957.0	3954.1
10°	3962.8	3962.8	3958.9	3956.0	3953.1
10.5°	3963.7	3963.7	3958.9	3956.0	3953.1
11°	3963.7	3963.7	3958.9	3955.0	3952.2
11.5°	3964.7	3964.7	3958.9	3954.1	3951.2
12°	3964.7	3964.7	3958.9	3954.1	3950.2
12.5°	3965.7	3964.7	3957.9	3953.1	3949.3
13°	3965.7	3964.7	3957.9	3952.2	3948.3
13.5°	3966.6	3965.7	3957.9	3951.2	3947.3
14°	3966.6	3965.7	3957.9	3950.2	3945.4
14.5°	3967.6	3965.7	3957.0	3949.3	3944.4
15°	3967.6	3966.6	3957.0	3948.3	3943.5
15.5°	3968.5	3966.6	3956.0	3946.4	3941.5
16°	3967.6	3966.6	3955.0	3945.4	3939.6
16.5°	3968.5	3966.6	3955.0	3943.5	3937.7
17°	3968.5	3965.7	3954.1	3941.5	3936.7
17.5°	3968.5	3965.7	3952.2	3940.6	3934.8
18°	3968.5	3965.7	3951.2	3938.6	3931.9
18.5°	3968.5	3964.7	3950.2	3936.7	3930.0
19°	3967.6	3964.7	3949.3	3934.8	3928.0
19.5°	3967.6	3963.7	3947.3	3931.9	3925.1
20°	3966.6	3962.8	3945.4	3930.0	3923.2
20.5°	3965.7	3961.8	3944.4	3928.0	3920.3
21°	3965.7	3960.8	3942.5	3925.1	3917.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	3961.8	3956.0	3935.8	3916.5	3907.8
23°	3959.9	3954.1	3932.9	3913.6	3904.9
23.5°	3957.9	3952.2	3930.0	3909.7	3901.0
24°	3956.0	3950.2	3927.1	3905.8	3897.2
24.5°	3954.1	3947.3	3924.2	3902.0	3893.3
25°	3951.2	3944.4	3920.3	3898.1	3889.4
25.5°	3948.3	3941.5	3916.5	3894.3	3884.6
26°	3945.4	3938.6	3912.6	3890.4	3880.8
26.5°	3942.5	3934.8	3908.7	3885.6	3875.9
27°	3938.6	3930.9	3903.9	3880.8	3871.1
27.5°	3934.8	3927.1	3899.1	3875.9	3866.3
28°	3930.9	3922.2	3894.3	3871.1	3861.5
28.5°	3926.1	3917.4	3889.4	3865.3	3855.7
29°	3921.3	3912.6	3883.7	3859.5	3849.9
29.5°	3916.5	3906.8	3877.9	3853.8	3843.1
30°	3910.7	3901.0	3871.1	3847.0	3836.4
30.5°	3904.9	3895.2	3864.4	3840.3	3830.6
31°	3898.1	3888.5	3857.6	3833.5	3822.9
31.5°	3892.3	3881.7	3849.9	3826.7	3816.1
32°	3884.6	3874.0	3843.1	3819.0	3808.4
32.5°	3876.9	3866.3	3834.5	3810.3	3799.7
33°	3869.2	3857.6	3825.8	3802.6	3791.1
33.5°	3860.5	3848.9	3817.1	3793.9	3782.4
34°	3850.9	3839.3	3807.5	3784.3	3773.7
34.5°	3841.2	3829.6	3797.8	3774.7	3764.0
35°	3831.6	3819.0	3787.2	3764.0	3753.4
35.5°	3821.0	3808.4	3776.6	3753.4	3742.8
36°	3810.3	3796.8	3765.0	3742.8	3731.2
36.5°	3797.8	3785.3	3753.4	3731.2	3720.6
37°	3785.3	3772.7	3740.9	3718.7	3708.1
37.5°	3772.7	3759.2	3728.4	3706.2	3694.6
38°	3759.2	3746.7	3714.8	3693.6	3682.0
38.5°	3745.7	3732.2	3700.4	3679.2	3668.5
39°	3731.2	3716.8	3685.9	3665.7	3654.1
39.5°	3715.8	3701.3	3671.4	3650.2	3639.6
40°	3699.4	3685.9	3655.0	3634.8	3624.2
40.5°	3684.0	3669.5	3638.6	3619.3	3607.8
41°	3666.6	3652.1	3622.2	3602.0	3590.4
41.5°	3648.3	3633.8	3603.9	3584.6	3573.0
42°	3630.0	3615.5	3585.6	3567.3	3554.7
42.5°	3610.7	3596.2	3566.3	3548.0	3536.4
43°	3591.4	3575.9	3547.0	3528.7	3517.1
43.5°	3571.1	3555.7	3526.7	3508.4	3496.8



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	3504.6	3489.1	3461.1	3444.7	3432.2
45.5°	3481.4	3465.0	3438.0	3421.6	3410.0
46°	3457.3	3440.9	3413.9	3397.5	3385.9
46.5°	3432.2	3415.8	3389.8	3373.4	3361.8
47°	3406.2	3390.7	3363.7	3349.2	3336.7
47.5°	3380.1	3363.7	3337.7	3323.2	3310.7
48°	3354.1	3336.7	3311.6	3296.2	3283.7
48.5°	3326.1	3309.7	3284.6	3270.1	3258.6
49°	3296.2	3280.8	3255.7	3240.2	3229.6
49.5°	3267.3	3251.8	3226.7	3212.3	3200.7
50°	3237.3	3220.9	3197.8	3183.3	3171.8
50.5°	3206.5	3190.1	3166.9	3152.5	3141.8
51°	3175.6	3159.2	3136.1	3121.6	3110.0
51.5°	3142.8	3126.4	3103.3	3089.8	3079.1
52°	3110.0	3093.6	3070.5	3057.9	3047.3
52.5°	3077.2	3060.8	3037.7	3024.2	3014.5
53°	3041.5	3026.1	3004.9	2992.3	2981.7
53.5°	3005.8	2990.4	2969.2	2956.6	2947.0
54°	2970.1	2954.7	2933.5	2920.9	2912.3
54.5°	2935.4	2919.0	2898.8	2886.2	2877.5
55°	2897.8	2882.4	2862.1	2849.6	2840.9
55.5°	2860.2	2844.7	2824.5	2811.9	2804.2
56°	2820.6	2806.2	2785.9	2775.3	2767.6
56.5°	2781.1	2767.6	2747.3	2736.7	2729.0
57°	2742.5	2728.0	2708.7	2699.1	2691.4
57.5°	2703.9	2688.5	2669.2	2659.5	2651.8
58°	2661.5	2647.0	2628.7	2619.0	2612.3
58.5°	2620.0	2606.5	2587.2	2578.5	2571.7
59°	2578.5	2565.0	2546.7	2538.0	2531.2
59.5°	2535.1	2522.5	2504.2	2495.5	2488.8
60°	2492.6	2479.1	2461.8	2454.1	2447.3
60.5°	2449.2	2437.7	2419.3	2411.6	2404.9
61°	2404.9	2393.3	2375.9	2368.2	2361.5
61.5°	2359.5	2349.9	2332.5	2324.8	2319.0
62°	2315.1	2305.5	2288.1	2281.4	2275.6
62.5°	2269.8	2260.2	2242.8	2236.0	2230.3
63°	2224.5	2214.8	2198.4	2191.7	2185.9
63.5°	2178.2	2168.5	2153.1	2146.3	2140.5
64°	2131.9	2122.2	2105.8	2101.0	2094.2
64.5°	2085.6	2075.9	2059.5	2054.7	2048.9
65°	2038.3	2030.6	2015.1	2009.4	2005.5
65.5°	1992.0	1982.3	1967.9	1963.1	1957.3
66°	1942.8	1935.1	1920.6	1915.8	1911.9





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1800.0	1791.3	1778.8	1774.0	1769.2
68°	1750.8	1743.1	1730.6	1726.7	1721.9
68.5°	1701.6	1693.9	1681.4	1678.5	1675.6
69°	1652.4	1644.7	1634.1	1631.2	1627.4
69.5°	1604.2	1596.5	1586.8	1583.9	1579.1
70°	1555.0	1548.3	1538.6	1535.7	1530.9
70.5°	1505.8	1499.1	1490.4	1487.5	1482.7
71°	1456.6	1450.8	1443.1	1439.3	1434.4
71.5°	1408.4	1402.6	1393.9	1391.0	1387.2
72°	1359.2	1354.4	1345.7	1343.8	1338.9
72.5°	1310.0	1306.1	1297.4	1295.5	1291.7
73°	1260.8	1256.9	1248.3	1246.3	1243.4
73.5°	1212.6	1208.7	1201.0	1198.1	1195.2
74°	1164.3	1161.4	1153.7	1151.8	1147.9
74.5°	1115.1	1113.2	1106.4	1103.6	1100.7
75°	1065.9	1065.9	1059.2	1057.3	1054.4
75.5°	1018.7	1018.7	1011.9	1010.0	1007.1
76°	971.4	971.4	964.6	962.8	959.0
76.5°	923.6	924.0	918.3	916.3	913.1
77°	877.9	878.3	873.2	870.6	867.4
77.5°	829.0	831.3	827.1	824.8	821.6
78°	783.4	786.3	781.9	780.1	777.4
78.5°	740.4	742.2	739.4	737.2	733.4
79°	695.3	696.8	694.9	693.0	689.3
79.5°	650.9	653.4	652.1	650.4	646.1
80°	608.4	610.1	610.4	607.8	603.9
80.5°	563.6	567.2	567.8	565.2	563.2
81°	522.3	525.6	526.6	525.1	522.4
81.5°	481.6	485.5	486.4	485.5	482.0
82°	440.7	445.6	447.0	446.3	442.5
82.5°	401.8	407.2	408.7	408.1	404.6
83°	364.0	369.8	371.3	371.8	368.5
83.5°	327.4	333.0	334.8	335.4	331.8
84°	292.3	297.3	299.6	300.6	297.6
84.5°	258.9	263.0	265.8	267.0	265.6
85°	227.5	230.4	233.0	234.7	232.7
85.5°	197.0	199.3	201.2	203.9	202.3
86°	168.6	170.9	172.3	174.4	174.4
86.5°	141.6	142.7	143.7	146.2	146.2
87°	115.8	115.9	116.2	119.4	119.5
87.5°	89.3	90.1	90.5	93.3	94.2
88°	63.0	65.2	65.8	68.4	68.2
88.5°	44.6	44.6	44.5	47.1	47.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L930-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.1	2.0	2.1	2.2	2.0
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°	1.4	1.2	1.3	1.3	1.4
102°	1.5	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°	1.4	1.4	1.4	1.4	1.3
104°	1.6	1.4	1.4	1.4	1.3
104.5°	1.4	1.5	1.5	1.5	1.4
105°	1.7	1.5	1.4	1.6	1.6
105.5°	1.6	1.4	1.5	1.4	1.4
106°	1.5	1.5	1.6	1.6	1.7
106.5°	1.7	1.5	1.6	1.5	1.4
107°	1.6	1.6	1.7	1.7	1.5
107.5°	1.8	1.6	1.7	1.8	1.7
108°	1.8	1.6	1.5	1.8	1.6
108.5°	1.8	1.8	1.8	1.7	1.6
109°	1.9	1.8	1.8	1.8	1.9
109.5°	2.0	1.7	2.0	1.9	1.7
110°	1.9	1.9	1.9	2.0	1.9
110.5°	2.0	1.9	2.0	2.0	2.1
111°	2.0	2.1	2.1	2.1	2.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L930-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	2.4	2.5	2.4	2.2
113°	2.6	2.3	2.3	2.4	2.4
113.5°	2.6	2.6	2.6	2.7	2.7
114°	2.7	2.7	2.8	2.8	2.7
114.5°	2.9	2.9	2.8	2.8	2.6
115°	2.9	2.9	2.8	2.9	2.8
115.5°	3.2	2.9	3.1	3.0	2.8
116°	3.1	3.2	3.2	3.1	3.0
116.5°	3.3	3.3	3.3	3.3	3.2
117°	3.5	3.5	3.5	3.5	3.1
117.5°	3.7	3.5	3.6	3.5	3.3
118°	3.7	3.6	3.8	3.6	3.4
118.5°	4.0	3.8	3.8	3.7	3.6
119°	4.0	4.0	4.1	3.8	3.8
119.5°	4.1	4.1	4.1	4.0	3.9
120°	4.2	4.2	4.1	4.1	4.1
120.5°	4.3	4.1	4.3	4.2	4.1
121°	4.3	4.3	4.3	4.3	4.1
121.5°	4.8	4.6	4.5	4.3	4.3
122°	4.5	4.8	4.6	4.5	4.6
122.5°	4.9	4.8	4.7	4.7	4.5
123°	5.0	5.0	4.8	4.8	4.7
123.5°	5.0	5.2	4.9	4.7	4.9
124°	5.1	5.2	5.1	4.9	4.9
124.5°	5.4	5.2	5.1	5.0	5.0
125°	5.6	5.4	5.3	5.2	5.2
125.5°	5.6	5.5	5.3	5.2	5.3
126°	5.6	5.4	5.3	5.3	5.2
126.5°	5.4	5.5	5.6	5.3	5.4
127°	5.6	5.6	5.4	5.3	5.2
127.5°	5.8	5.7	5.6	5.3	5.2
128°	5.8	5.5	5.5	5.3	5.4
128.5°	5.6	5.6	5.4	5.2	5.4
129°	5.5	5.5	5.4	5.3	5.2
129.5°	5.4	5.5	5.4	5.3	5.3
130°	5.4	5.5	5.3	5.1	5.2
130.5°	5.6	5.4	5.4	4.9	5.2
131°	5.3	5.3	5.3	5.0	5.1
131.5°	5.4	5.2	5.0	4.9	5.0
132°	5.3	5.1	5.1	4.9	4.9
132.5°	5.3	5.1	5.0	4.9	5.0
133°	5.1	4.9	4.9	4.6	4.8
133.5°	5.2	4.9	4.7	4.5	4.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L930-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	5.0	4.7	4.5	4.4	4.8
135.5°	4.7	4.8	4.5	4.3	4.6
136°	4.6	4.5	4.3	4.1	4.6
136.5°	4.7	4.5	4.3	4.1	4.5
137°	4.6	4.4	4.3	4.1	4.4
137.5°	4.5	4.3	4.2	4.0	4.2
138°	4.4	4.2	4.1	4.0	4.2
138.5°	4.5	4.2	4.1	3.9	4.1
139°	4.0	4.1	4.1	3.7	4.2
139.5°	4.2	4.0	3.9	3.8	4.1
140°	4.1	3.9	4.0	3.7	3.9
140.5°	4.1	3.9	3.9	3.7	3.9
141°	4.0	3.9	3.8	3.5	3.7
141.5°	3.7	3.9	3.9	3.5	3.7
142°	3.6	3.6	3.8	3.6	3.4
142.5°	3.6	3.8	3.7	3.5	3.4
143°	3.8	3.7	3.7	3.6	3.4
143.5°	3.8	3.7	3.7	3.4	3.4
144°	3.8	3.5	3.8	3.3	3.5
144.5°	3.6	3.5	3.6	3.4	3.5
145°	3.7	3.5	3.6	3.2	3.5
145.5°	3.6	3.4	3.5	3.2	3.7
146°	3.6	3.4	3.3	3.2	3.5
146.5°	3.7	3.4	3.3	3.2	3.5
147°	3.6	3.4	3.2	3.3	3.3
147.5°	3.5	3.4	3.2	3.3	3.6
148°	3.6	3.4	3.3	3.2	3.6
148.5°	3.7	3.5	3.3	3.2	3.6
149°	3.6	3.4	3.3	3.2	3.6
149.5°	3.8	3.3	3.3	3.2	3.7
150°	3.7	3.5	3.3	3.2	3.6
150.5°	3.6	3.4	3.3	3.3	3.6
151°	3.8	3.4	3.2	3.3	3.8
151.5°	3.7	3.5	3.2	3.3	3.8
152°	3.8	3.5	3.4	3.5	3.6
152.5°	3.8	3.6	3.3	3.4	3.8
153°	3.7	3.5	3.4	3.6	3.9
153.5°	4.0	3.6	3.3	3.5	3.8
154°	3.8	3.6	3.5	3.5	3.8
154.5°	3.8	3.5	3.5	3.7	3.9
155°	3.6	3.6	3.6	3.7	4.0
155.5°	3.8	3.5	3.5	3.6	3.9
156°	3.6	3.6	3.6	3.6	3.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L930-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	3.6	3.4	3.5	3.7	3.8
158°	3.9	3.6	3.5	3.6	3.9
158.5°	3.7	3.6	3.4	3.6	3.8
159°	3.8	3.6	3.5	3.6	4.0
159.5°	3.7	3.5	3.5	3.6	4.1
160°	3.7	3.6	3.4	3.6	3.9
160.5°	3.6	3.5	3.5	3.7	3.9
161°	3.6	3.5	3.5	3.7	3.9
161.5°	3.7	3.6	3.5	3.5	3.7
162°	3.6	3.5	3.6	3.7	3.7
162.5°	3.8	3.7	3.6	3.6	3.8
163°	3.8	3.6	3.7	3.7	3.7
163.5°	3.7	3.6	3.7	3.7	4.0
164°	3.6	3.7	3.6	3.9	3.9
164.5°	3.5	3.8	3.7	3.9	4.0
165°	3.6	3.6	3.5	3.8	3.9
165.5°	3.4	3.6	3.5	4.1	3.9
166°	3.7	3.7	3.6	3.9	3.8
166.5°	3.7	3.6	3.5	4.0	3.6
167°	3.6	3.9	3.6	4.1	4.0
167.5°	3.7	3.9	3.7	4.1	4.0
168°	3.8	3.8	3.6	4.1	3.9
168.5°	3.7	4.0	3.8	4.3	4.0
169°	4.0	3.9	3.6	4.3	4.0
169.5°	3.9	3.9	3.7	4.2	4.1
170°	4.0	3.9	3.8	4.3	4.0
170.5°	4.0	4.1	3.8	4.3	4.1
171°	4.0	4.0	4.0	4.3	4.2
171.5°	3.9	4.0	4.0	4.4	4.1
172°	3.9	4.0	4.1	4.4	4.1
172.5°	4.1	4.1	4.1	4.4	4.1
173°	3.9	3.9	4.1	4.4	4.2
173.5°	4.1	4.1	4.2	4.3	4.3
174°	4.2	4.2	4.5	4.4	4.2
174.5°	4.2	4.4	4.4	4.6	4.4
175°	4.5	4.4	4.5	4.6	4.3
175.5°	4.5	4.4	4.7	4.5	4.5
176°	4.7	4.6	4.5	4.4	4.4
176.5°	4.8	4.5	4.6	4.2	4.4
177°	4.6	4.5	4.3	4.2	4.4
177.5°	4.7	4.5	4.2	4.1	4.5
178°	4.4	4.3	4.1	4.1	4.2
178.5°	4.3	4.2	4.1	4.1	4.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L930-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	3964.7	3959.9	3940.6	3922.2	3914.5
22°	3962.8	3957.9	3937.7	3919.4	3911.6



44°	3548.9	3534.5	3505.5	3488.2	3476.6
44.5°	3526.7	3511.3	3484.3	3466.0	3454.4



66.5°	1895.5	1887.8	1873.3	1868.5	1863.7
67°	1848.3	1839.6	1826.1	1821.2	1817.4



89°	28.2	27.7	27.4	28.8	29.2
89.5°	12.4	12.6	12.3	13.2	13.0



111.5°	2.4	2.1	2.2	2.2	2.1
112°	2.4	2.2	2.2	2.2	2.4





134°	4.9	4.8	4.7	4.6	4.9
134.5°	5.0	4.7	4.7	4.4	4.6



156.5°	3.8	3.5	3.6	3.7	3.8
157°	3.7	3.5	3.6	3.6	3.8



179°	4.1	4.1	3.9	4.0	4.1
179.5°	3.7	3.9	3.8	3.7	4.0



(END OF REPORT)