

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-160-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**

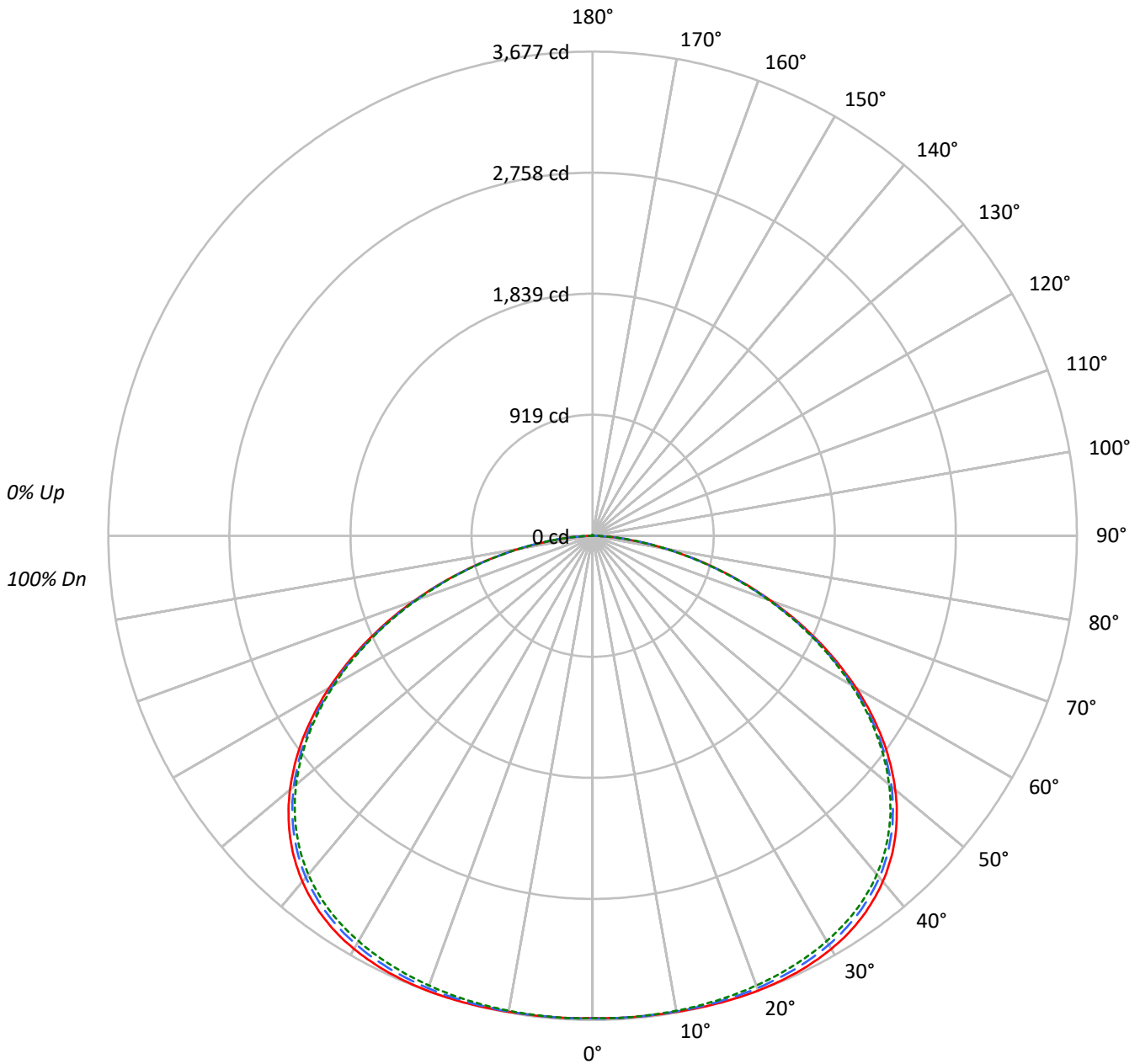
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-160-L940-CFD2  
Description: 16000 LUMEN 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: 13268.0 lumens  
Efficiency: N/A  
Efficacy: 102.5 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): 129.4  
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-160-L940-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°	2616	2616	2616
5°	2619	2615	2618
10°	2641	2631	2635
15°	2686	2666	2670
20°	2749	2717	2719
25°	2827	2782	2783
30°	2914	2856	2859
35°	3003	2933	2942
40°	3083	3003	3020
45°	3143	3052	3078
50°	3169	3068	3105
55°	3148	3037	3087
60°	3069	2947	3013
65°	2921	2791	2874
70°	2690	2550	2648
75°	2348	2207	2322
80°	1864	1729	1850
85°	1158	1044	1185



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.1	2.6
10°-20°	1038.5	7.8
20°-30°	1678.9	12.7
30°-40°	2199.0	16.6
40°-50°	2473.4	18.6
50°-60°	2366.8	17.8
60°-70°	1845.9	13.9
70°-80°	1040.3	7.8
80°-90°	257.4	1.9
90°-100°	0.9	0.0
100°-110°	1.5	0.0
110°-120°	2.7	0.0
120°-130°	4.2	0.0
130°-140°	3.3	0.0
140°-150°	2.0	0.0
150°-160°	1.5	0.0
160°-170°	1.0	0.0
170°-180°	0.4	0.0
0°-30°	3067.5	23.1
0°-40°	5266.5	39.7
0°-60°	10106.8	76.2
0°-90°	13250.5	99.9
90°-120°	5.1	0.0
90°-150°	14.7	0.1
90°-180°	18.0	0.1
0°-180°	13268.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3664	3664	3664	3664	3664	
5°	3668	3669	3668	3668	3667	350
15°	3676	3675	3666	3658	3654	1042
25°	3661	3654	3632	3612	3604	1692
35°	3550	3538	3509	3487	3477	2222
45°	3247	3233	3207	3192	3180	2501
55°	2685	2670	2652	2640	2632	2393
65°	1888	1881	1867	1862	1858	1864
75°	988	988	981	980	977	1047
85°	211	213	216	217	216	244
90°	2	2	2	2	2	10
95°	1	1	1	1	1	1
105°	2	1	1	2	2	2
115°	3	3	3	3	3	3
125°	5	5	5	5	5	4
135°	5	4	4	4	4	4
145°	3	3	3	3	3	2
155°	3	3	3	3	4	2
165°	3	3	3	4	4	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L940-CFD2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3664.2	3664.2	3664.2	3664.2	3664.2
0.5°	3663.3	3666.0	3666.9	3666.0	3664.2
1°	3664.2	3666.0	3666.9	3666.9	3665.1
1.5°	3665.1	3666.9	3666.9	3666.9	3666.0
2°	3665.1	3666.9	3666.9	3667.8	3666.0
2.5°	3666.0	3667.8	3667.8	3667.8	3666.0
3°	3666.9	3667.8	3667.8	3667.8	3666.9
3.5°	3666.9	3667.8	3667.8	3667.8	3666.9
4°	3667.8	3667.8	3667.8	3667.8	3666.9
4.5°	3667.8	3668.7	3667.8	3667.8	3666.9
5°	3667.8	3668.7	3667.8	3667.8	3666.9
5.5°	3667.8	3668.7	3667.8	3667.8	3666.9
6°	3668.7	3668.7	3667.8	3667.8	3666.0
6.5°	3668.7	3669.6	3668.7	3667.8	3666.0
7°	3668.7	3669.6	3667.8	3667.8	3666.0
7.5°	3668.7	3669.6	3667.8	3666.9	3665.1
8°	3669.6	3669.6	3668.7	3666.9	3665.1
8.5°	3669.6	3670.5	3667.8	3666.9	3664.2
9°	3670.5	3670.5	3668.7	3666.0	3664.2
9.5°	3670.5	3671.4	3667.8	3666.0	3663.3
10°	3671.4	3671.4	3667.8	3665.1	3662.4
10.5°	3672.3	3672.3	3667.8	3665.1	3662.4
11°	3672.3	3672.3	3667.8	3664.2	3661.6
11.5°	3673.2	3673.2	3667.8	3663.3	3660.7
12°	3673.2	3673.2	3667.8	3663.3	3659.8
12.5°	3674.1	3673.2	3666.9	3662.4	3658.9
13°	3674.1	3673.2	3666.9	3661.6	3658.0
13.5°	3675.0	3674.1	3666.9	3660.7	3657.1
14°	3675.0	3674.1	3666.9	3659.8	3655.3
14.5°	3675.9	3674.1	3666.0	3658.9	3654.4
15°	3675.9	3675.0	3666.0	3658.0	3653.5
15.5°	3676.7	3675.0	3665.1	3656.2	3651.7
16°	3675.9	3675.0	3664.2	3655.3	3649.9
16.5°	3676.7	3675.0	3664.2	3653.5	3648.1
17°	3676.7	3674.1	3663.3	3651.7	3647.3
17.5°	3676.7	3674.1	3661.6	3650.8	3645.5
18°	3676.7	3674.1	3660.7	3649.0	3642.8
18.5°	3676.7	3673.2	3659.8	3647.3	3641.0
19°	3675.9	3673.2	3658.9	3645.5	3639.2
19.5°	3675.9	3672.3	3657.1	3642.8	3636.5
20°	3675.0	3671.4	3655.3	3641.0	3634.7
20.5°	3674.1	3670.5	3654.4	3639.2	3632.1
21°	3674.1	3669.6	3652.6	3636.5	3629.4



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	3670.5	3665.1	3646.4	3628.5	3620.4
23°	3668.7	3663.3	3643.7	3625.8	3617.8
23.5°	3666.9	3661.6	3641.0	3622.2	3614.2
24°	3665.1	3659.8	3638.3	3618.7	3610.6
24.5°	3663.3	3657.1	3635.6	3615.1	3607.0
25°	3660.7	3654.4	3632.1	3611.5	3603.5
25.5°	3658.0	3651.7	3628.5	3607.9	3599.0
26°	3655.3	3649.0	3624.9	3604.4	3595.4
26.5°	3652.6	3645.5	3621.3	3599.9	3591.0
27°	3649.0	3641.9	3616.9	3595.4	3586.5
27.5°	3645.5	3638.3	3612.4	3591.0	3582.0
28°	3641.9	3633.8	3607.9	3586.5	3577.5
28.5°	3637.4	3629.4	3603.5	3581.1	3572.2
29°	3633.0	3624.9	3598.1	3575.8	3566.8
29.5°	3628.5	3619.6	3592.7	3570.4	3560.6
30°	3623.1	3614.2	3586.5	3564.1	3554.3
30.5°	3617.8	3608.8	3580.2	3557.9	3548.9
31°	3611.5	3602.6	3574.0	3551.6	3541.8
31.5°	3606.1	3596.3	3566.8	3545.4	3535.5
32°	3599.0	3589.2	3560.6	3538.2	3528.4
32.5°	3591.8	3582.0	3552.5	3530.2	3520.3
33°	3584.7	3574.0	3544.5	3523.0	3512.3
33.5°	3576.7	3565.9	3536.4	3515.0	3504.3
34°	3567.7	3557.0	3527.5	3506.0	3496.2
34.5°	3558.8	3548.1	3518.6	3497.1	3487.3
35°	3549.8	3538.2	3508.7	3487.3	3477.4
35.5°	3540.0	3528.4	3498.9	3477.4	3467.6
36°	3530.2	3517.7	3488.2	3467.6	3456.9
36.5°	3518.6	3506.9	3477.4	3456.9	3447.1
37°	3506.9	3495.3	3465.8	3445.3	3435.4
37.5°	3495.3	3482.8	3454.2	3433.7	3422.9
38°	3482.8	3471.2	3441.7	3422.0	3411.3
38.5°	3470.3	3457.8	3428.3	3408.6	3398.8
39°	3456.9	3443.5	3414.9	3396.1	3385.4
39.5°	3442.6	3429.2	3401.5	3381.8	3372.0
40°	3427.4	3414.9	3386.3	3367.5	3357.7
40.5°	3413.1	3399.7	3371.1	3353.2	3342.5
41°	3397.0	3383.6	3355.9	3337.1	3326.4
41.5°	3380.0	3366.6	3338.9	3321.0	3310.3
42°	3363.1	3349.6	3321.9	3305.0	3293.3
42.5°	3345.2	3331.8	3304.1	3287.1	3276.4
43°	3327.3	3313.0	3286.2	3269.2	3258.5
43.5°	3308.5	3294.2	3267.4	3250.4	3239.7



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	3246.9	3232.6	3206.7	3191.5	3179.8
45.5°	3225.4	3210.2	3185.2	3170.0	3159.3
46°	3203.1	3187.9	3162.9	3147.7	3136.9
46.5°	3179.8	3164.6	3140.5	3125.3	3114.6
47°	3155.7	3141.4	3116.4	3103.0	3091.4
47.5°	3131.6	3116.4	3092.3	3078.9	3067.2
48°	3107.5	3091.4	3068.1	3053.8	3042.2
48.5°	3081.5	3066.3	3043.1	3029.7	3019.0
49°	3053.8	3039.5	3016.3	3002.0	2992.2
49.5°	3027.0	3012.7	2989.5	2976.1	2965.4
50°	2999.3	2984.1	2962.7	2949.3	2938.5
50.5°	2970.7	2955.5	2934.1	2920.7	2910.8
51°	2942.1	2926.9	2905.5	2892.1	2881.3
51.5°	2911.7	2896.5	2875.1	2862.6	2852.7
52°	2881.3	2866.1	2844.7	2833.1	2823.2
52.5°	2851.0	2835.8	2814.3	2801.8	2792.9
53°	2817.9	2803.6	2783.9	2772.3	2762.5
53.5°	2784.8	2770.5	2750.9	2739.2	2730.3
54°	2751.8	2737.5	2717.8	2706.2	2698.1
54.5°	2719.6	2704.4	2685.6	2674.0	2666.0
55°	2684.7	2670.4	2651.7	2640.0	2632.0
55.5°	2649.9	2635.6	2616.8	2605.2	2598.0
56°	2613.2	2599.8	2581.1	2571.2	2564.1
56.5°	2576.6	2564.1	2545.3	2535.5	2528.3
57°	2540.8	2527.4	2509.6	2500.6	2493.5
57.5°	2505.1	2490.8	2472.9	2464.0	2456.8
58°	2465.8	2452.4	2435.4	2426.4	2420.2
58.5°	2427.3	2414.8	2396.9	2388.9	2382.6
59°	2388.9	2376.4	2359.4	2351.4	2345.1
59.5°	2348.7	2337.1	2320.1	2312.0	2305.8
60°	2309.4	2296.9	2280.8	2273.6	2267.4
60.5°	2269.1	2258.4	2241.4	2234.3	2228.0
61°	2228.0	2217.3	2201.2	2194.1	2187.8
61.5°	2186.0	2177.1	2161.0	2153.9	2148.5
62°	2144.9	2136.0	2119.9	2113.6	2108.3
62.5°	2102.9	2094.0	2077.9	2071.6	2066.3
63°	2060.9	2052.0	2036.8	2030.5	2025.2
63.5°	2018.0	2009.1	1994.8	1988.5	1983.2
64°	1975.1	1966.2	1951.0	1946.5	1940.3
64.5°	1932.2	1923.3	1908.1	1903.6	1898.3
65°	1888.4	1881.3	1867.0	1861.6	1858.0
65.5°	1845.5	1836.6	1823.2	1818.7	1813.4
66°	1799.9	1792.8	1779.4	1774.9	1771.3





TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1667.7	1659.6	1648.0	1643.5	1639.1
68°	1622.1	1614.9	1603.3	1599.8	1595.3
68.5°	1576.5	1569.4	1557.7	1555.1	1552.4
69°	1530.9	1523.8	1514.0	1511.3	1507.7
69.5°	1486.2	1479.1	1470.2	1467.5	1463.0
70°	1440.7	1434.4	1425.5	1422.8	1418.3
70.5°	1395.1	1388.8	1380.8	1378.1	1373.6
71°	1349.5	1344.1	1337.0	1333.4	1329.0
71.5°	1304.8	1299.5	1291.4	1288.7	1285.2
72°	1259.2	1254.8	1246.7	1244.9	1240.5
72.5°	1213.7	1210.1	1202.0	1200.3	1196.7
73°	1168.1	1164.5	1156.5	1154.7	1152.0
73.5°	1123.4	1119.8	1112.7	1110.0	1107.3
74°	1078.7	1076.0	1068.9	1067.1	1063.5
74.5°	1033.1	1031.3	1025.1	1022.4	1019.7
75°	987.6	987.6	981.3	979.5	976.8
75.5°	943.8	943.8	937.5	935.7	933.0
76°	900.0	900.0	893.7	892.0	888.4
76.5°	855.7	856.1	850.8	848.9	846.0
77°	813.4	813.7	809.0	806.6	803.6
77.5°	768.1	770.2	766.3	764.1	761.2
78°	725.8	728.5	724.4	722.7	720.2
78.5°	685.9	687.6	685.0	683.0	679.5
79°	644.2	645.5	643.8	642.0	638.6
79.5°	603.1	605.3	604.2	602.5	598.6
80°	563.7	565.3	565.5	563.1	559.5
80.5°	522.2	525.5	526.0	523.6	521.8
81°	483.9	487.0	487.9	486.4	483.9
81.5°	446.1	449.8	450.6	449.8	446.6
82°	408.3	412.8	414.1	413.5	409.9
82.5°	372.2	377.2	378.7	378.1	374.8
83°	337.2	342.7	344.0	344.4	341.4
83.5°	303.3	308.5	310.2	310.7	307.4
84°	270.8	275.4	277.6	278.5	275.7
84.5°	239.9	243.6	246.2	247.4	246.0
85°	210.7	213.4	215.8	217.4	215.6
85.5°	182.5	184.6	186.4	188.9	187.4
86°	156.2	158.4	159.6	161.6	161.6
86.5°	131.2	132.2	133.2	135.5	135.5
87°	107.2	107.3	107.7	110.6	110.7
87.5°	82.8	83.5	83.8	86.4	87.3
88°	58.4	60.4	61.0	63.4	63.2
88.5°	41.3	41.3	41.2	43.6	44.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.0	1.9	2.0	2.1	1.9
90.5°	0.6	0.5	0.6	0.7	0.6
91°	0.6	0.5	0.5	0.6	0.5
91.5°	0.8	0.6	0.7	0.5	0.4
92°	0.6	0.6	0.6	0.7	0.6
92.5°	0.7	0.6	0.6	0.7	0.6
93°	0.7	0.7	0.7	0.6	0.5
93.5°	0.8	0.6	0.7	0.7	0.8
94°	0.8	0.7	0.8	0.7	0.9
94.5°	0.8	0.8	0.7	0.8	0.8
95°	0.8	0.6	0.8	0.7	0.9
95.5°	0.7	0.8	0.9	0.8	0.9
96°	1.0	1.0	0.8	0.8	0.9
96.5°	1.0	0.9	0.9	0.8	0.9
97°	1.0	0.9	1.0	0.8	1.1
97.5°	1.1	0.9	0.9	0.8	1.1
98°	1.2	1.0	1.0	1.0	1.2
98.5°	1.2	1.0	0.9	0.9	1.1
99°	1.1	1.1	1.0	0.9	1.0
99.5°	1.2	0.9	1.1	1.0	1.0
100°	1.2	1.1	1.1	1.1	1.2
100.5°	1.2	1.2	1.1	1.2	1.2
101°	1.3	1.1	1.1	1.1	1.1
101.5°	1.3	1.1	1.2	1.2	1.3
102°	1.4	1.2	1.3	1.2	1.3
102.5°	1.3	1.2	1.2	1.3	1.3
103°	1.3	1.1	1.3	1.2	1.3
103.5°	1.3	1.3	1.3	1.3	1.2
104°	1.5	1.3	1.3	1.3	1.2
104.5°	1.3	1.4	1.4	1.4	1.3
105°	1.6	1.4	1.3	1.5	1.5
105.5°	1.5	1.3	1.4	1.3	1.3
106°	1.4	1.4	1.5	1.5	1.6
106.5°	1.6	1.4	1.5	1.4	1.3
107°	1.5	1.5	1.6	1.6	1.4
107.5°	1.7	1.5	1.6	1.7	1.6
108°	1.7	1.5	1.4	1.7	1.5
108.5°	1.7	1.7	1.7	1.6	1.5
109°	1.8	1.7	1.7	1.7	1.8
109.5°	1.9	1.6	1.9	1.8	1.6
110°	1.8	1.8	1.8	1.9	1.8
110.5°	1.9	1.8	1.9	1.9	2.0
111°	1.9	2.0	2.0	2.0	1.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	2.2	2.3	2.2	2.1
113°	2.4	2.1	2.1	2.2	2.2
113.5°	2.4	2.4	2.4	2.5	2.5
114°	2.5	2.5	2.6	2.6	2.5
114.5°	2.7	2.7	2.6	2.6	2.4
115°	2.7	2.7	2.6	2.7	2.6
115.5°	2.9	2.7	2.9	2.8	2.6
116°	2.9	2.9	2.9	2.9	2.8
116.5°	3.0	3.0	3.0	3.0	2.9
117°	3.2	3.2	3.2	3.2	2.9
117.5°	3.4	3.2	3.3	3.2	3.0
118°	3.4	3.3	3.5	3.3	3.1
118.5°	3.7	3.5	3.5	3.4	3.3
119°	3.7	3.7	3.8	3.5	3.5
119.5°	3.8	3.8	3.8	3.7	3.6
120°	3.9	3.9	3.8	3.8	3.8
120.5°	4.0	3.8	4.0	3.9	3.8
121°	4.0	4.0	4.0	4.0	3.8
121.5°	4.5	4.3	4.2	4.0	4.0
122°	4.2	4.5	4.3	4.2	4.3
122.5°	4.6	4.5	4.4	4.4	4.2
123°	4.6	4.6	4.5	4.5	4.4
123.5°	4.6	4.8	4.6	4.4	4.6
124°	4.7	4.8	4.7	4.6	4.6
124.5°	5.0	4.8	4.7	4.6	4.6
125°	5.2	5.0	4.9	4.8	4.8
125.5°	5.2	5.1	4.9	4.8	4.9
126°	5.2	5.0	4.9	4.9	4.8
126.5°	5.0	5.1	5.2	4.9	5.0
127°	5.2	5.2	5.0	4.9	4.8
127.5°	5.4	5.3	5.2	4.9	4.8
128°	5.4	5.1	5.1	4.9	5.0
128.5°	5.2	5.2	5.0	4.8	5.0
129°	5.1	5.1	5.0	4.9	4.8
129.5°	5.0	5.1	5.0	4.9	4.9
130°	5.0	5.1	4.9	4.7	4.8
130.5°	5.2	5.0	5.0	4.6	4.8
131°	4.9	4.9	4.9	4.6	4.7
131.5°	5.0	4.8	4.6	4.6	4.6
132°	4.9	4.7	4.7	4.6	4.6
132.5°	4.9	4.7	4.6	4.6	4.6
133°	4.7	4.6	4.6	4.3	4.5
133.5°	4.8	4.6	4.4	4.2	4.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	4.6	4.4	4.2	4.1	4.5
135.5°	4.4	4.5	4.2	4.0	4.3
136°	4.3	4.2	4.0	3.8	4.3
136.5°	4.4	4.2	4.0	3.8	4.2
137°	4.3	4.1	4.0	3.8	4.1
137.5°	4.2	4.0	3.9	3.7	3.9
138°	4.1	3.9	3.8	3.7	3.9
138.5°	4.2	3.9	3.8	3.6	3.8
139°	3.7	3.8	3.8	3.4	3.9
139.5°	3.9	3.7	3.6	3.5	3.8
140°	3.8	3.6	3.7	3.4	3.6
140.5°	3.8	3.6	3.6	3.4	3.6
141°	3.7	3.6	3.5	3.2	3.4
141.5°	3.4	3.6	3.6	3.2	3.4
142°	3.3	3.3	3.5	3.3	3.1
142.5°	3.3	3.5	3.4	3.2	3.1
143°	3.5	3.4	3.4	3.3	3.1
143.5°	3.5	3.4	3.4	3.1	3.1
144°	3.5	3.2	3.5	3.0	3.2
144.5°	3.3	3.2	3.3	3.1	3.2
145°	3.4	3.2	3.3	2.9	3.2
145.5°	3.3	3.1	3.2	2.9	3.4
146°	3.3	3.1	3.0	2.9	3.2
146.5°	3.4	3.1	3.0	2.9	3.2
147°	3.3	3.1	2.9	3.0	3.0
147.5°	3.2	3.1	2.9	3.0	3.3
148°	3.3	3.1	3.0	2.9	3.3
148.5°	3.4	3.2	3.0	2.9	3.3
149°	3.3	3.1	3.0	2.9	3.3
149.5°	3.5	3.0	3.0	2.9	3.4
150°	3.4	3.2	3.0	2.9	3.3
150.5°	3.3	3.1	3.0	3.0	3.3
151°	3.5	3.1	2.9	3.0	3.5
151.5°	3.4	3.2	2.9	3.0	3.5
152°	3.5	3.2	3.1	3.2	3.3
152.5°	3.5	3.3	3.0	3.1	3.5
153°	3.4	3.2	3.1	3.3	3.6
153.5°	3.7	3.3	3.0	3.2	3.5
154°	3.5	3.3	3.2	3.2	3.5
154.5°	3.5	3.2	3.2	3.4	3.6
155°	3.3	3.3	3.3	3.4	3.7
155.5°	3.5	3.2	3.2	3.3	3.6
156°	3.3	3.3	3.3	3.3	3.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	3.3	3.1	3.2	3.4	3.5
158°	3.6	3.3	3.2	3.3	3.6
158.5°	3.4	3.3	3.1	3.3	3.5
159°	3.5	3.3	3.2	3.3	3.7
159.5°	3.4	3.2	3.2	3.3	3.8
160°	3.4	3.3	3.1	3.3	3.6
160.5°	3.3	3.2	3.2	3.4	3.6
161°	3.3	3.2	3.2	3.4	3.6
161.5°	3.4	3.3	3.2	3.2	3.4
162°	3.3	3.2	3.3	3.4	3.4
162.5°	3.5	3.4	3.3	3.3	3.5
163°	3.5	3.3	3.4	3.4	3.4
163.5°	3.4	3.3	3.4	3.4	3.7
164°	3.3	3.4	3.3	3.6	3.6
164.5°	3.2	3.5	3.4	3.6	3.7
165°	3.3	3.3	3.2	3.5	3.6
165.5°	3.1	3.3	3.2	3.8	3.6
166°	3.4	3.4	3.3	3.6	3.5
166.5°	3.4	3.3	3.2	3.7	3.3
167°	3.3	3.6	3.3	3.8	3.7
167.5°	3.4	3.6	3.4	3.8	3.7
168°	3.5	3.5	3.3	3.8	3.6
168.5°	3.4	3.7	3.5	4.0	3.7
169°	3.7	3.6	3.3	4.0	3.7
169.5°	3.6	3.6	3.4	3.9	3.8
170°	3.7	3.6	3.5	4.0	3.7
170.5°	3.7	3.8	3.5	4.0	3.8
171°	3.7	3.7	3.7	4.0	3.9
171.5°	3.6	3.7	3.7	4.1	3.8
172°	3.6	3.7	3.8	4.1	3.8
172.5°	3.8	3.8	3.8	4.1	3.8
173°	3.6	3.6	3.8	4.1	3.9
173.5°	3.8	3.8	3.9	4.0	4.0
174°	3.9	3.9	4.2	4.1	3.9
174.5°	3.9	4.1	4.1	4.3	4.1
175°	4.2	4.1	4.2	4.3	4.0
175.5°	4.2	4.1	4.4	4.2	4.2
176°	4.4	4.3	4.2	4.1	4.1
176.5°	4.5	4.2	4.3	3.9	4.1
177°	4.3	4.2	4.0	3.9	4.1
177.5°	4.4	4.2	3.9	3.8	4.2
178°	4.1	4.0	3.8	3.8	3.9
178.5°	4.0	3.9	3.8	3.8	3.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L940-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.5	3.5	3.5	3.5	3.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	3673.2	3668.7	3650.8	3633.8	3626.7
22°	3671.4	3666.9	3648.1	3631.2	3624.0



44°	3288.0	3274.6	3247.8	3231.7	3221.0
44.5°	3267.4	3253.1	3228.1	3211.1	3200.4



66.5°	1756.2	1749.0	1735.6	1731.1	1726.7
67°	1712.4	1704.3	1691.8	1687.3	1683.8



89°	26.1	25.6	25.4	26.7	27.1
89.5°	11.5	11.7	11.4	12.2	12.1



111.5°	2.2	2.0	2.1	2.1	2.0
112°	2.2	2.1	2.1	2.1	2.2





134°	4.6	4.5	4.4	4.3	4.6
134.5°	4.6	4.4	4.4	4.1	4.3



156.5°	3.5	3.2	3.3	3.4	3.5
157°	3.4	3.2	3.3	3.3	3.5



179°	3.8	3.8	3.6	3.7	3.8
179.5°	3.4	3.6	3.5	3.4	3.7



(END OF REPORT)