

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-L950-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-160-L950-CFR2
Description: 16000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 5000K CCT, 90CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

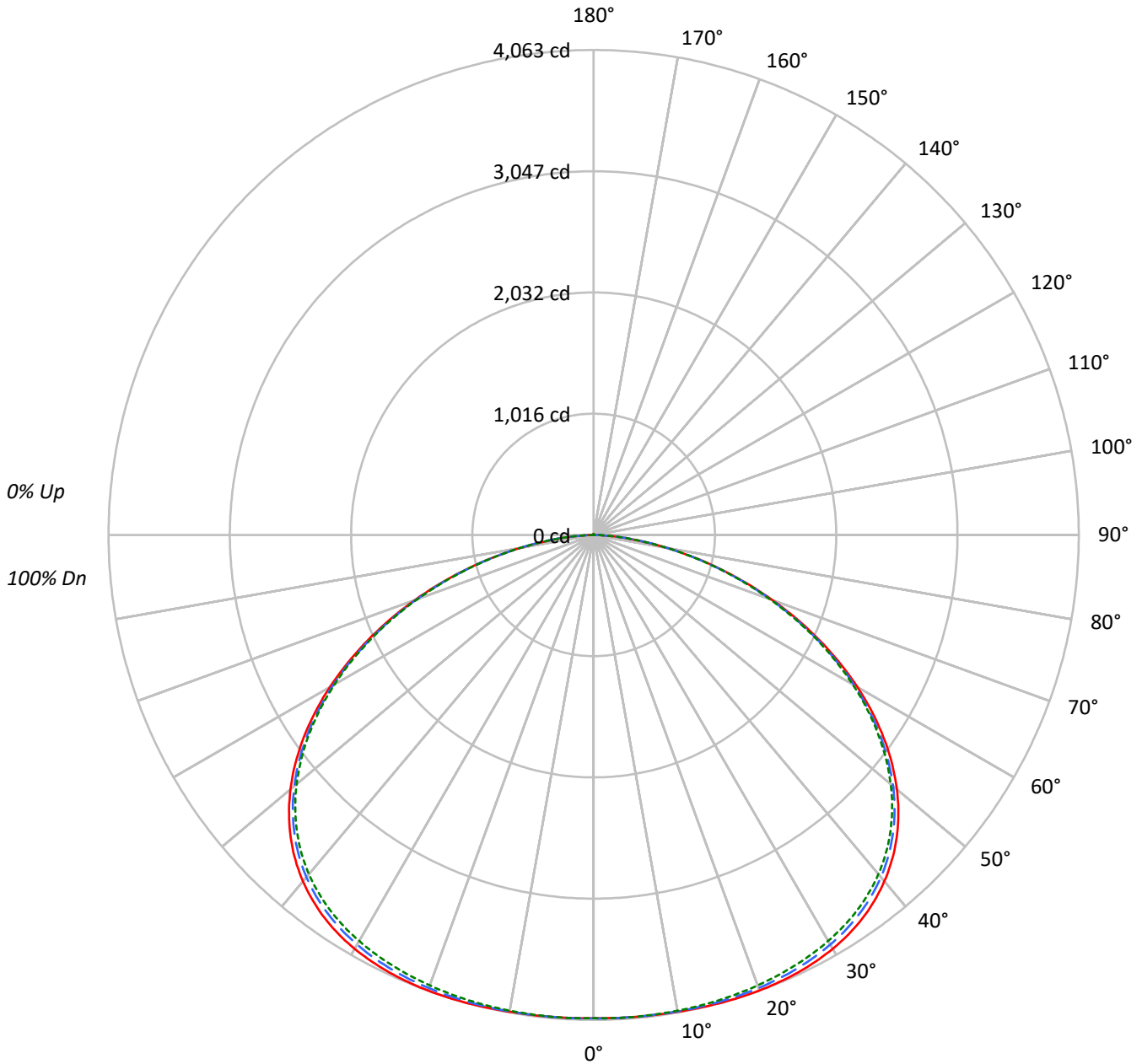
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14662.1 lumens
Efficiency: N/A
Efficacy: 113.3 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): 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-L950-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

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°	2891	2891	2891
5°	2905	2905	2904
10°	2941	2938	2934
15°	3002	2994	2984
20°	3085	3069	3051
25°	3186	3162	3137
30°	3300	3267	3238
35°	3419	3379	3349
40°	3530	3487	3458
45°	3622	3578	3548
50°	3681	3636	3607
55°	3693	3647	3620
60°	3644	3599	3577
65°	3525	3485	3468
70°	3323	3288	3271
75°	3010	2991	2978
80°	2561	2569	2542
85°	1908	1954	1951



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.9	2.6
10°-20°	1147.7	7.8
20°-30°	1855.3	12.7
30°-40°	2430.0	16.6
40°-50°	2733.3	18.6
50°-60°	2615.5	17.8
60°-70°	2039.9	13.9
70°-80°	1149.6	7.8
80°-90°	284.5	1.9
90°-100°	1.0	0.0
100°-110°	1.7	0.0
110°-120°	3.0	0.0
120°-130°	4.6	0.0
130°-140°	3.6	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°	3389.8	23.1
0°-40°	5819.9	39.7
0°-60°	11168.7	76.2
0°-90°	14642.6	99.9
90°-120°	5.7	0.0
90°-150°	16.2	0.1
90°-180°	19.0	0.1
0°-180°	14662.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4049	4049	4049	4049	4049	
5°	4053	4054	4053	4053	4052	387
15°	4062	4061	4051	4042	4037	1151
25°	4045	4038	4014	3991	3982	1870
35°	3923	3910	3877	3854	3843	2456
45°	3588	3572	3544	3527	3514	2764
55°	2967	2951	2930	2917	2908	2644
65°	2087	2079	2063	2057	2053	2060
75°	1091	1091	1084	1082	1080	1157
85°	233	236	238	240	238	270
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	5	5	5	5
135°	5	5	5	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°	5	4	5	5	4	0
180°	4	4	4	4	4	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4049.2	4049.2	4049.2	4049.2	4049.2
0.5°	4048.2	4051.2	4052.2	4051.2	4049.2
1°	4049.2	4051.2	4052.2	4052.2	4050.2
1.5°	4050.2	4052.2	4052.2	4052.2	4051.2
2°	4050.2	4052.2	4052.2	4053.2	4051.2
2.5°	4051.2	4053.2	4053.2	4053.2	4051.2
3°	4052.2	4053.2	4053.2	4053.2	4052.2
3.5°	4052.2	4053.2	4053.2	4053.2	4052.2
4°	4053.2	4053.2	4053.2	4053.2	4052.2
4.5°	4053.2	4054.2	4053.2	4053.2	4052.2
5°	4053.2	4054.2	4053.2	4053.2	4052.2
5.5°	4053.2	4054.2	4053.2	4053.2	4052.2
6°	4054.2	4054.2	4053.2	4053.2	4051.2
6.5°	4054.2	4055.1	4054.2	4053.2	4051.2
7°	4054.2	4055.1	4053.2	4053.2	4051.2
7.5°	4054.2	4055.1	4053.2	4052.2	4050.2
8°	4055.1	4055.1	4054.2	4052.2	4050.2
8.5°	4055.1	4056.1	4053.2	4052.2	4049.2
9°	4056.1	4056.1	4054.2	4051.2	4049.2
9.5°	4056.1	4057.1	4053.2	4051.2	4048.2
10°	4057.1	4057.1	4053.2	4050.2	4047.2
10.5°	4058.1	4058.1	4053.2	4050.2	4047.2
11°	4058.1	4058.1	4053.2	4049.2	4046.3
11.5°	4059.1	4059.1	4053.2	4048.2	4045.3
12°	4059.1	4059.1	4053.2	4048.2	4044.3
12.5°	4060.1	4059.1	4052.2	4047.2	4043.3
13°	4060.1	4059.1	4052.2	4046.3	4042.3
13.5°	4061.1	4060.1	4052.2	4045.3	4041.3
14°	4061.1	4060.1	4052.2	4044.3	4039.3
14.5°	4062.1	4060.1	4051.2	4043.3	4038.4
15°	4062.1	4061.1	4051.2	4042.3	4037.4
15.5°	4063.0	4061.1	4050.2	4040.3	4035.4
16°	4062.1	4061.1	4049.2	4039.3	4033.4
16.5°	4063.0	4061.1	4049.2	4037.4	4031.4
17°	4063.0	4060.1	4048.2	4035.4	4030.5
17.5°	4063.0	4060.1	4046.3	4034.4	4028.5
18°	4063.0	4060.1	4045.3	4032.4	4025.5
18.5°	4063.0	4059.1	4044.3	4030.5	4023.5
19°	4062.1	4059.1	4043.3	4028.5	4021.6
19.5°	4062.1	4058.1	4041.3	4025.5	4018.6
20°	4061.1	4057.1	4039.3	4023.5	4016.6
20.5°	4060.1	4056.1	4038.4	4021.6	4013.7
21°	4060.1	4055.1	4036.4	4018.6	4010.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4056.1	4050.2	4029.5	4009.7	4000.8
23°	4054.2	4048.2	4026.5	4006.8	3997.9
23.5°	4052.2	4046.3	4023.5	4002.8	3993.9
24°	4050.2	4044.3	4020.6	3998.9	3990.0
24.5°	4048.2	4041.3	4017.6	3994.9	3986.0
25°	4045.3	4038.4	4013.7	3990.9	3982.1
25.5°	4042.3	4035.4	4009.7	3987.0	3977.1
26°	4039.3	4032.4	4005.8	3983.0	3973.2
26.5°	4036.4	4028.5	4001.8	3978.1	3968.2
27°	4032.4	4024.5	3996.9	3973.2	3963.3
27.5°	4028.5	4020.6	3991.9	3968.2	3958.4
28°	4024.5	4015.6	3987.0	3963.3	3953.4
28.5°	4019.6	4010.7	3982.1	3957.4	3947.5
29°	4014.7	4005.8	3976.1	3951.4	3941.6
29.5°	4009.7	3999.8	3970.2	3945.5	3934.7
30°	4003.8	3993.9	3963.3	3938.6	3927.7
30.5°	3997.9	3988.0	3956.4	3931.7	3921.8
31°	3990.9	3981.1	3949.5	3924.8	3913.9
31.5°	3985.0	3974.2	3941.6	3917.9	3907.0
32°	3977.1	3966.3	3934.7	3910.0	3899.1
32.5°	3969.2	3958.4	3925.8	3901.1	3890.2
33°	3961.3	3949.5	3916.9	3893.2	3881.3
33.5°	3952.4	3940.6	3908.0	3884.3	3872.4
34°	3942.6	3930.7	3898.1	3874.4	3863.5
34.5°	3932.7	3920.8	3888.2	3864.5	3853.7
35°	3922.8	3910.0	3877.4	3853.7	3842.8
35.5°	3911.9	3899.1	3866.5	3842.8	3831.9
36°	3901.1	3887.2	3854.7	3831.9	3820.1
36.5°	3888.2	3875.4	3842.8	3820.1	3809.2
37°	3875.4	3862.6	3830.0	3807.3	3796.4
37.5°	3862.6	3848.7	3817.1	3794.4	3782.6
38°	3848.7	3835.9	3803.3	3781.6	3769.7
38.5°	3834.9	3821.1	3788.5	3766.8	3755.9
39°	3820.1	3805.3	3773.7	3752.9	3741.1
39.5°	3804.3	3789.5	3758.9	3737.1	3726.3
40°	3787.5	3773.7	3742.1	3721.3	3710.5
40.5°	3771.7	3756.9	3725.3	3705.5	3693.7
41°	3753.9	3739.1	3708.5	3687.8	3675.9
41.5°	3735.2	3720.3	3689.7	3670.0	3658.1
42°	3716.4	3701.6	3671.0	3652.2	3639.4
42.5°	3696.6	3681.8	3651.2	3632.4	3620.6
43°	3676.9	3661.1	3631.5	3612.7	3600.8
43.5°	3656.1	3640.3	3610.7	3592.0	3580.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	3588.0	3572.2	3543.6	3526.8	3513.9
45.5°	3564.3	3547.5	3519.9	3503.1	3491.2
46°	3539.6	3522.8	3495.2	3478.4	3466.5
46.5°	3513.9	3497.1	3470.5	3453.7	3441.8
47°	3487.3	3471.5	3443.8	3429.0	3416.2
47.5°	3460.6	3443.8	3417.1	3402.3	3389.5
48°	3433.9	3416.2	3390.5	3374.7	3361.8
48.5°	3405.3	3388.5	3362.8	3348.0	3336.2
49°	3374.7	3358.9	3333.2	3317.4	3306.5
49.5°	3345.0	3329.2	3303.6	3288.8	3276.9
50°	3314.4	3297.6	3273.9	3259.1	3247.3
50.5°	3282.8	3266.0	3242.3	3227.5	3216.7
51°	3251.2	3234.4	3210.7	3195.9	3184.1
51.5°	3217.6	3200.9	3177.2	3163.3	3152.5
52°	3184.1	3167.3	3143.6	3130.7	3119.9
52.5°	3150.5	3133.7	3110.0	3096.2	3086.3
53°	3113.9	3098.1	3076.4	3063.6	3052.7
53.5°	3077.4	3061.6	3039.9	3027.0	3017.2
54°	3040.9	3025.1	3003.3	2990.5	2981.6
54.5°	3005.3	2988.5	2967.8	2954.9	2946.1
55°	2966.8	2951.0	2930.3	2917.4	2908.5
55.5°	2928.3	2912.5	2891.7	2878.9	2871.0
56°	2887.8	2873.0	2852.2	2841.4	2833.5
56.5°	2847.3	2833.5	2812.7	2801.9	2794.0
57°	2807.8	2793.0	2773.2	2763.3	2755.4
57.5°	2768.3	2752.5	2732.7	2722.9	2715.0
58°	2724.8	2710.0	2691.2	2681.4	2674.5
58.5°	2682.4	2668.5	2648.8	2639.9	2633.0
59°	2639.9	2626.1	2607.3	2598.4	2591.5
59.5°	2595.5	2582.6	2563.8	2555.0	2548.0
60°	2552.0	2538.2	2520.4	2512.5	2505.6
60.5°	2507.6	2495.7	2476.9	2469.0	2462.1
61°	2462.1	2450.3	2432.5	2424.6	2417.7
61.5°	2415.7	2405.8	2388.1	2380.2	2374.2
62°	2370.3	2360.4	2342.6	2335.7	2329.8
62.5°	2323.9	2314.0	2296.2	2289.3	2283.4
63°	2277.4	2267.6	2250.8	2243.9	2237.9
63.5°	2230.0	2220.2	2204.4	2197.4	2191.5
64°	2182.6	2172.8	2156.0	2151.0	2144.1
64.5°	2135.2	2125.3	2108.6	2103.6	2097.7
65°	2086.8	2078.9	2063.1	2057.2	2053.3
65.5°	2039.4	2029.5	2014.7	2009.8	2003.9
66°	1989.1	1981.2	1966.3	1961.4	1957.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1842.9	1834.0	1821.2	1816.2	1811.3
68°	1792.5	1784.6	1771.8	1767.8	1762.9
68.5°	1742.2	1734.3	1721.4	1718.4	1715.5
69°	1691.8	1683.9	1673.0	1670.1	1666.1
69.5°	1642.4	1634.5	1624.6	1621.7	1616.7
70°	1592.0	1585.1	1575.2	1572.3	1567.3
70.5°	1541.7	1534.8	1525.9	1522.9	1518.0
71°	1491.3	1485.4	1477.5	1473.5	1468.6
71.5°	1441.9	1436.0	1427.1	1424.1	1420.2
72°	1391.5	1386.6	1377.7	1375.7	1370.8
72.5°	1341.2	1337.2	1328.3	1326.4	1322.4
73°	1290.8	1286.9	1278.0	1276.0	1273.0
73.5°	1241.4	1237.5	1229.6	1226.6	1223.7
74°	1192.1	1189.1	1181.2	1179.2	1175.3
74.5°	1141.7	1139.7	1132.8	1129.8	1126.9
75°	1091.3	1091.3	1084.4	1082.4	1079.5
75.5°	1042.9	1042.9	1036.0	1034.0	1031.1
76°	994.5	994.5	987.6	985.7	981.8
76.5°	945.6	946.0	940.2	938.1	934.9
77°	898.8	899.2	894.0	891.3	888.1
77.5°	848.8	851.1	846.8	844.4	841.2
78°	802.0	805.0	800.6	798.7	795.9
78.5°	758.0	759.9	757.0	754.7	750.9
79°	711.9	713.4	711.5	709.5	705.7
79.5°	666.4	668.9	667.6	665.8	661.5
80°	622.9	624.7	625.0	622.3	618.2
80.5°	577.1	580.7	581.3	578.6	576.6
81°	534.7	538.2	539.1	537.6	534.8
81.5°	493.0	497.1	498.0	497.1	493.5
82°	451.2	456.2	457.7	457.0	453.0
82.5°	411.3	416.9	418.5	417.9	414.2
83°	372.6	378.7	380.1	380.6	377.3
83.5°	335.2	340.9	342.8	343.4	339.7
84°	299.2	304.4	306.8	307.7	304.7
84.5°	265.1	269.2	272.1	273.4	271.9
85°	232.9	235.8	238.5	240.3	238.2
85.5°	201.7	204.0	206.0	208.8	207.1
86°	172.6	175.0	176.4	178.6	178.6
86.5°	145.0	146.1	147.2	149.7	149.7
87°	118.5	118.6	119.0	122.3	122.4
87.5°	91.5	92.2	92.6	95.5	96.5
88°	64.5	66.8	67.4	70.0	69.8
88.5°	45.6	45.6	45.5	48.2	48.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

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-160-L950-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°	4.0	3.9	3.9	3.8	3.7
119°	4.0	4.0	4.1	3.9	3.9
119.5°	4.1	4.1	4.1	4.0	4.0
120°	4.3	4.3	4.2	4.1	4.2
120.5°	4.4	4.2	4.4	4.3	4.2
121°	4.4	4.4	4.4	4.4	4.2
121.5°	4.9	4.7	4.6	4.4	4.4
122°	4.6	4.9	4.7	4.6	4.7
122.5°	5.0	4.9	4.8	4.8	4.6
123°	5.1	5.1	4.9	4.9	4.8
123.5°	5.1	5.3	5.0	4.8	5.0
124°	5.2	5.3	5.2	5.0	5.0
124.5°	5.5	5.3	5.2	5.1	5.1
125°	5.7	5.5	5.4	5.3	5.3
125.5°	5.7	5.6	5.4	5.3	5.4
126°	5.7	5.5	5.4	5.4	5.3
126.5°	5.5	5.6	5.7	5.4	5.5
127°	5.7	5.7	5.5	5.4	5.3
127.5°	5.9	5.8	5.7	5.4	5.3
128°	5.9	5.6	5.6	5.4	5.5
128.5°	5.7	5.7	5.5	5.3	5.5
129°	5.6	5.6	5.5	5.4	5.3
129.5°	5.5	5.6	5.5	5.4	5.4
130°	5.5	5.6	5.4	5.2	5.3
130.5°	5.7	5.5	5.5	5.0	5.3
131°	5.4	5.4	5.4	5.1	5.2
131.5°	5.5	5.3	5.1	5.0	5.1
132°	5.4	5.2	5.2	5.0	5.0
132.5°	5.4	5.2	5.1	5.0	5.1
133°	5.2	5.0	5.0	4.7	4.9
133.5°	5.3	5.0	4.8	4.6	4.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.1	4.8	4.6	4.5	4.9
135.5°	4.8	4.9	4.6	4.4	4.7
136°	4.7	4.6	4.4	4.2	4.7
136.5°	4.8	4.6	4.4	4.2	4.6
137°	4.7	4.5	4.4	4.2	4.5
137.5°	4.6	4.4	4.3	4.0	4.3
138°	4.5	4.3	4.1	4.0	4.3
138.5°	4.6	4.3	4.2	4.0	4.2
139°	4.0	4.2	4.1	3.8	4.3
139.5°	4.3	4.0	4.0	3.9	4.2
140°	4.2	4.0	4.0	3.8	4.0
140.5°	4.2	4.0	4.0	3.8	4.0
141°	4.0	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°	4.0	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	4.0
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-160-L950-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	4.0
159.5°	3.8	3.6	3.6	3.7	4.1
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	4.0
164°	3.7	3.8	3.7	4.0	4.0
164.5°	3.6	3.9	3.8	4.0	4.0
165°	3.7	3.7	3.6	3.9	4.0
165.5°	3.5	3.7	3.6	4.1	4.0
166°	3.8	3.8	3.7	4.0	3.9
166.5°	3.8	3.7	3.6	4.0	3.7
167°	3.7	4.0	3.7	4.1	4.0
167.5°	3.8	4.0	3.8	4.2	4.0
168°	3.9	3.9	3.7	4.1	4.0
168.5°	3.8	4.0	3.9	4.4	4.0
169°	4.0	4.0	3.7	4.4	4.0
169.5°	4.0	4.0	3.8	4.3	4.1
170°	4.0	4.0	3.9	4.4	4.0
170.5°	4.0	4.1	3.9	4.4	4.2
171°	4.0	4.0	4.0	4.4	4.3
171.5°	4.0	4.0	4.0	4.5	4.1
172°	4.0	4.0	4.1	4.5	4.2
172.5°	4.1	4.1	4.2	4.5	4.2
173°	4.0	4.0	4.2	4.5	4.3
173.5°	4.2	4.1	4.3	4.4	4.4
174°	4.3	4.3	4.6	4.5	4.3
174.5°	4.3	4.5	4.5	4.7	4.5
175°	4.6	4.5	4.6	4.7	4.4
175.5°	4.6	4.5	4.8	4.6	4.6
176°	4.8	4.7	4.6	4.5	4.5
176.5°	4.9	4.6	4.7	4.3	4.5
177°	4.7	4.6	4.4	4.3	4.5
177.5°	4.8	4.6	4.3	4.2	4.6
178°	4.5	4.4	4.2	4.2	4.3
178.5°	4.4	4.3	4.1	4.1	4.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L950-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°	4059.1	4054.2	4034.4	4015.6	4007.7
22°	4057.1	4052.2	4031.4	4012.7	4004.8



44°	3633.4	3618.6	3589.0	3571.2	3559.4
44.5°	3610.7	3594.9	3567.3	3548.5	3536.6



66.5°	1940.7	1932.8	1917.9	1913.0	1908.1
67°	1892.3	1883.4	1869.6	1864.6	1860.7



89°	28.8	28.3	28.0	29.5	29.9
89.5°	12.7	12.9	12.6	13.5	13.3



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



134°	5.0	4.9	4.8	4.7	5.0
134.5°	5.1	4.8	4.8	4.5	4.7



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



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



(END OF REPORT)