

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-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-180-L940-CFR2
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 4000K CCT, 90CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

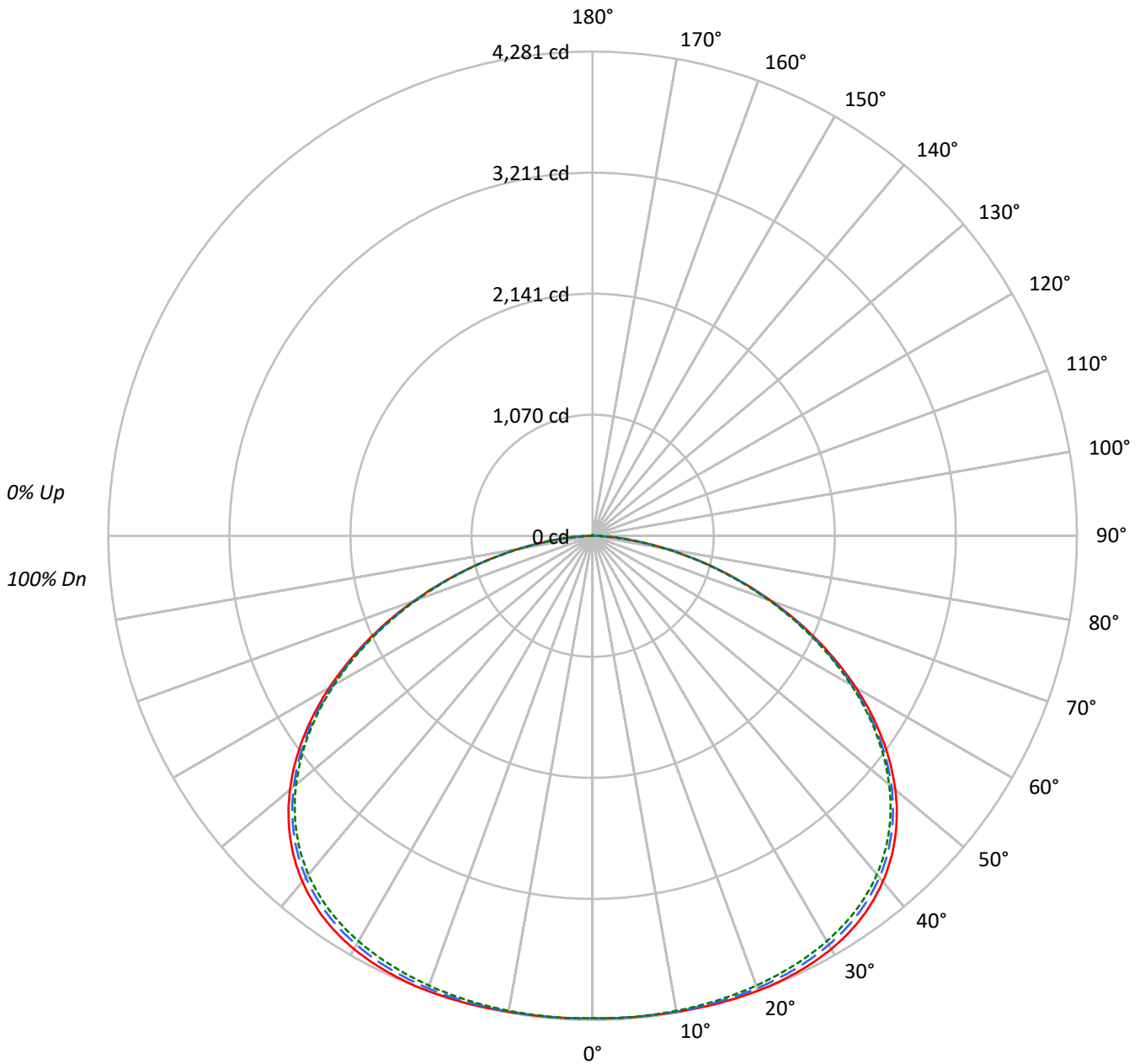
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15449.0 lumens
Efficiency: N/A
Efficacy: 106.0 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): 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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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°	3046	3046	3046
5°	3060	3060	3060
10°	3099	3096	3091
15°	3163	3155	3144
20°	3251	3233	3215
25°	3357	3331	3305
30°	3478	3442	3412
35°	3602	3561	3529
40°	3719	3674	3643
45°	3817	3770	3738
50°	3879	3831	3800
55°	3891	3843	3814
60°	3839	3792	3770
65°	3714	3672	3655
70°	3501	3464	3447
75°	3172	3152	3137
80°	2698	2707	2678
85°	2010	2058	2056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.7	2.6
10°-20°	1209.3	7.8
20°-30°	1954.9	12.7
30°-40°	2560.5	16.6
40°-50°	2880.0	18.6
50°-60°	2755.9	17.8
60°-70°	2149.4	13.9
70°-80°	1211.3	7.8
80°-90°	299.7	1.9
90°-100°	1.0	0.0
100°-110°	1.8	0.0
110°-120°	3.1	0.0
120°-130°	4.9	0.0
130°-140°	3.9	0.0
140°-150°	2.4	0.0
150°-160°	1.8	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	3571.8	23.1
0°-40°	6132.2	39.7
0°-60°	11768.2	76.2
0°-90°	15428.6	99.9
90°-120°	5.9	0.0
90°-150°	17.1	0.1
90°-180°	20.0	0.1
0°-180°	15449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4267	4267	4267	4267	4267	
5°	4271	4272	4271	4271	4270	408
15°	4280	4279	4269	4259	4254	1213
25°	4262	4255	4229	4205	4196	1970
35°	4133	4120	4086	4060	4049	2588
45°	3781	3764	3734	3716	3702	2912
55°	3126	3109	3088	3074	3065	2786
65°	2199	2190	2174	2168	2164	2171
75°	1150	1150	1143	1140	1137	1219
85°	245	248	251	253	251	285
90°	2	2	2	2	2	12
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	6	6	5
135°	5	5	5	5	5	4
145°	4	4	4	3	4	3
155°	4	4	4	4	4	2
165°	4	4	4	4	4	1
175°	5	5	5	5	5	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4266.6	4266.6	4266.6	4266.6	4266.6
0.5°	4265.5	4268.6	4269.7	4268.6	4266.6
1°	4266.6	4268.6	4269.7	4269.7	4267.6
1.5°	4267.6	4269.7	4269.7	4269.7	4268.6
2°	4267.6	4269.7	4269.7	4270.7	4268.6
2.5°	4268.6	4270.7	4270.7	4270.7	4268.6
3°	4269.7	4270.7	4270.7	4270.7	4269.7
3.5°	4269.7	4270.7	4270.7	4270.7	4269.7
4°	4270.7	4270.7	4270.7	4270.7	4269.7
4.5°	4270.7	4271.8	4270.7	4270.7	4269.7
5°	4270.7	4271.8	4270.7	4270.7	4269.7
5.5°	4270.7	4271.8	4270.7	4270.7	4269.7
6°	4271.8	4271.8	4270.7	4270.7	4268.6
6.5°	4271.8	4272.8	4271.8	4270.7	4268.6
7°	4271.8	4272.8	4270.7	4270.7	4268.6
7.5°	4271.8	4272.8	4270.7	4269.7	4267.6
8°	4272.8	4272.8	4271.8	4269.7	4267.6
8.5°	4272.8	4273.8	4270.7	4269.7	4266.6
9°	4273.8	4273.8	4271.8	4268.6	4266.6
9.5°	4273.8	4274.9	4270.7	4268.6	4265.5
10°	4274.9	4274.9	4270.7	4267.6	4264.5
10.5°	4275.9	4275.9	4270.7	4267.6	4264.5
11°	4275.9	4275.9	4270.7	4266.6	4263.4
11.5°	4277.0	4277.0	4270.7	4265.5	4262.4
12°	4277.0	4277.0	4270.7	4265.5	4261.4
12.5°	4278.0	4277.0	4269.7	4264.5	4260.3
13°	4278.0	4277.0	4269.7	4263.4	4259.3
13.5°	4279.1	4278.0	4269.7	4262.4	4258.2
14°	4279.1	4278.0	4269.7	4261.4	4256.2
14.5°	4280.1	4278.0	4268.6	4260.3	4255.1
15°	4280.1	4279.1	4268.6	4259.3	4254.1
15.5°	4281.1	4279.1	4267.6	4257.2	4252.0
16°	4280.1	4279.1	4266.6	4256.2	4249.9
16.5°	4281.1	4279.1	4266.6	4254.1	4247.8
17°	4281.1	4278.0	4265.5	4252.0	4246.8
17.5°	4281.1	4278.0	4263.4	4251.0	4244.7
18°	4281.1	4278.0	4262.4	4248.9	4241.6
18.5°	4281.1	4277.0	4261.4	4246.8	4239.5
19°	4280.1	4277.0	4260.3	4244.7	4237.4
19.5°	4280.1	4275.9	4258.2	4241.6	4234.3
20°	4279.1	4274.9	4256.2	4239.5	4232.2
20.5°	4278.0	4273.8	4255.1	4237.4	4229.1
21°	4278.0	4272.8	4253.0	4234.3	4226.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4273.8	4267.6	4245.8	4224.9	4215.6
23°	4271.8	4265.5	4242.6	4221.8	4212.5
23.5°	4269.7	4263.4	4239.5	4217.7	4208.3
24°	4267.6	4261.4	4236.4	4213.5	4204.1
24.5°	4265.5	4258.2	4233.3	4209.3	4200.0
25°	4262.4	4255.1	4229.1	4205.2	4195.8
25.5°	4259.3	4252.0	4224.9	4201.0	4190.6
26°	4256.2	4248.9	4220.8	4196.8	4186.4
26.5°	4253.0	4244.7	4216.6	4191.6	4181.2
27°	4248.9	4240.5	4211.4	4186.4	4176.0
27.5°	4244.7	4236.4	4206.2	4181.2	4170.8
28°	4240.5	4231.2	4201.0	4176.0	4165.6
28.5°	4235.3	4226.0	4195.8	4169.8	4159.4
29°	4230.1	4220.8	4189.6	4163.5	4153.1
29.5°	4224.9	4214.5	4183.3	4157.3	4145.9
30°	4218.7	4208.3	4176.0	4150.0	4138.6
30.5°	4212.5	4202.0	4168.7	4142.7	4132.3
31°	4205.2	4194.8	4161.5	4135.4	4124.0
31.5°	4198.9	4187.5	4153.1	4128.2	4116.7
32°	4190.6	4179.2	4145.9	4119.8	4108.4
32.5°	4182.3	4170.8	4136.5	4110.5	4099.0
33°	4173.9	4161.5	4127.1	4102.1	4089.7
33.5°	4164.6	4152.1	4117.8	4092.8	4080.3
34°	4154.2	4141.7	4107.3	4082.4	4070.9
34.5°	4143.8	4131.3	4096.9	4072.0	4060.5
35°	4133.4	4119.8	4085.5	4060.5	4049.1
35.5°	4121.9	4108.4	4074.0	4049.1	4037.6
36°	4110.5	4095.9	4061.6	4037.6	4025.1
36.5°	4096.9	4083.4	4049.1	4025.1	4013.7
37°	4083.4	4069.9	4035.5	4011.6	4000.2
37.5°	4069.9	4055.3	4022.0	3998.1	3985.6
38°	4055.3	4041.8	4007.4	3984.6	3972.1
38.5°	4040.7	4026.2	3991.8	3968.9	3957.5
39°	4025.1	4009.5	3976.2	3954.4	3941.9
39.5°	4008.5	3992.9	3960.6	3937.7	3926.3
40°	3990.8	3976.2	3942.9	3921.1	3909.6
40.5°	3974.1	3958.5	3925.2	3904.4	3891.9
41°	3955.4	3939.8	3907.5	3885.7	3873.2
41.5°	3935.6	3920.0	3887.8	3867.0	3854.5
42°	3915.9	3900.3	3868.0	3848.2	3834.7
42.5°	3895.1	3879.5	3847.2	3827.4	3814.9
43°	3874.2	3857.6	3826.4	3806.6	3794.1
43.5°	3852.4	3835.7	3804.5	3784.8	3772.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	3780.6	3763.9	3733.8	3716.1	3702.5
45.5°	3755.6	3737.9	3708.8	3691.1	3678.6
46°	3729.6	3711.9	3682.8	3665.1	3652.6
46.5°	3702.5	3684.9	3656.8	3639.1	3626.6
47°	3674.4	3657.8	3628.7	3613.1	3599.5
47.5°	3646.4	3628.7	3600.6	3585.0	3571.4
48°	3618.3	3599.5	3572.5	3555.8	3542.3
48.5°	3588.1	3570.4	3543.3	3527.7	3515.2
49°	3555.8	3539.2	3512.1	3495.5	3484.0
49.5°	3524.6	3507.9	3480.9	3465.3	3452.8
50°	3492.3	3474.6	3449.7	3434.1	3421.6
50.5°	3459.0	3441.3	3416.4	3400.8	3389.3
51°	3425.7	3408.0	3383.1	3367.5	3355.0
51.5°	3390.4	3372.7	3347.7	3333.1	3321.7
52°	3355.0	3337.3	3312.3	3298.8	3287.3
52.5°	3319.6	3301.9	3276.9	3262.4	3252.0
53°	3281.1	3264.4	3241.5	3228.0	3216.6
53.5°	3242.6	3225.9	3203.0	3189.5	3179.1
54°	3204.1	3187.4	3164.5	3151.0	3141.6
54.5°	3166.6	3148.9	3127.1	3113.6	3104.2
55°	3126.0	3109.4	3087.5	3074.0	3064.6
55.5°	3085.5	3068.8	3047.0	3033.4	3025.1
56°	3042.8	3027.2	3005.3	2993.9	2985.6
56.5°	3000.1	2985.6	2963.7	2952.3	2943.9
57°	2958.5	2942.9	2922.1	2911.7	2903.3
57.5°	2916.9	2900.2	2879.4	2869.0	2860.7
58°	2871.1	2855.5	2835.7	2825.3	2818.0
58.5°	2826.3	2811.8	2791.0	2781.6	2774.3
59°	2781.6	2767.0	2747.3	2737.9	2730.6
59.5°	2734.8	2721.2	2701.5	2692.1	2684.8
60°	2689.0	2674.4	2655.7	2647.4	2640.1
60.5°	2642.1	2629.7	2609.9	2601.6	2594.3
61°	2594.3	2581.8	2563.1	2554.7	2547.5
61.5°	2545.4	2535.0	2516.2	2507.9	2501.7
62°	2497.5	2487.1	2468.4	2461.1	2454.8
62.5°	2448.6	2438.2	2419.5	2412.2	2405.9
63°	2399.7	2389.3	2371.6	2364.3	2358.1
63.5°	2349.7	2339.3	2322.7	2315.4	2309.1
64°	2299.8	2289.4	2271.7	2266.5	2259.2
64.5°	2249.8	2239.4	2221.7	2216.5	2210.3
65°	2198.8	2190.5	2173.9	2167.6	2163.5
65.5°	2148.9	2138.5	2122.9	2117.7	2111.4
66°	2095.8	2087.5	2071.9	2066.7	2062.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1941.8	1932.4	1918.9	1913.7	1908.5
68°	1888.7	1880.4	1866.9	1862.7	1857.5
68.5°	1835.7	1827.3	1813.8	1810.7	1807.6
69°	1782.6	1774.3	1762.8	1759.7	1755.5
69.5°	1730.6	1722.2	1711.8	1708.7	1703.5
70°	1677.5	1670.2	1659.8	1656.7	1651.5
70.5°	1624.4	1617.1	1607.8	1604.6	1599.4
71°	1571.3	1565.1	1556.8	1552.6	1547.4
71.5°	1519.3	1513.1	1503.7	1500.6	1496.4
72°	1466.2	1461.0	1451.7	1449.6	1444.4
72.5°	1413.2	1409.0	1399.6	1397.6	1393.4
73°	1360.1	1355.9	1346.6	1344.5	1341.4
73.5°	1308.1	1303.9	1295.6	1292.5	1289.3
74°	1256.0	1252.9	1244.6	1242.5	1238.3
74.5°	1203.0	1200.9	1193.6	1190.5	1187.4
75°	1149.9	1149.9	1142.6	1140.5	1137.4
75.5°	1098.9	1098.9	1091.6	1089.5	1086.4
76°	1047.9	1047.9	1040.6	1038.6	1034.5
76.5°	996.4	996.8	990.7	988.5	985.1
77°	947.1	947.5	942.0	939.2	935.7
77.5°	894.3	896.8	892.2	889.7	886.3
78°	845.1	848.2	843.5	841.6	838.6
78.5°	798.7	800.7	797.6	795.2	791.2
79°	750.1	751.6	749.7	747.6	743.6
79.5°	702.2	704.8	703.5	701.6	697.0
80°	656.3	658.2	658.5	655.7	651.4
80.5°	608.0	611.9	612.5	609.7	607.5
81°	563.4	567.0	568.1	566.4	563.5
81.5°	519.5	523.7	524.7	523.7	520.0
82°	475.5	480.7	482.2	481.5	477.3
82.5°	433.4	439.2	440.9	440.3	436.4
83°	392.6	399.0	400.5	401.1	397.5
83.5°	353.2	359.2	361.2	361.8	358.0
84°	315.3	320.7	323.2	324.3	321.0
84.5°	279.3	283.7	286.7	288.0	286.5
85°	245.4	248.5	251.3	253.2	251.0
85.5°	212.5	215.0	217.1	220.0	218.2
86°	181.9	184.4	185.9	188.1	188.1
86.5°	152.8	153.9	155.1	157.8	157.8
87°	124.9	125.0	125.4	128.8	128.9
87.5°	96.4	97.2	97.6	100.6	101.7
88°	68.0	70.3	71.0	73.8	73.6
88.5°	48.1	48.1	48.0	50.8	51.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	2.3	2.2	2.3	2.4	2.2
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°	1.4	1.1	1.1	1.1	1.4
98.5°	1.4	1.1	1.0	1.0	1.2
99°	1.2	1.2	1.1	1.0	1.1
99.5°	1.4	1.0	1.2	1.1	1.1
100°	1.4	1.2	1.2	1.2	1.4
100.5°	1.4	1.4	1.2	1.4	1.4
101°	1.5	1.2	1.2	1.2	1.2
101.5°	1.6	1.2	1.4	1.4	1.5
102°	1.7	1.4	1.5	1.4	1.5
102.5°	1.5	1.4	1.4	1.5	1.5
103°	1.5	1.2	1.5	1.4	1.5
103.5°	1.6	1.6	1.5	1.5	1.4
104°	1.8	1.6	1.6	1.5	1.4
104.5°	1.6	1.7	1.7	1.7	1.5
105°	1.9	1.7	1.6	1.8	1.8
105.5°	1.8	1.5	1.7	1.6	1.6
106°	1.7	1.7	1.8	1.8	1.9
106.5°	1.9	1.7	1.8	1.7	1.6
107°	1.8	1.8	1.9	1.9	1.7
107.5°	2.0	1.8	1.9	2.0	1.9
108°	2.0	1.8	1.7	2.0	1.8
108.5°	2.0	2.0	2.0	1.9	1.8
109°	2.1	2.0	2.0	2.0	2.1
109.5°	2.2	1.9	2.2	2.1	1.9
110°	2.1	2.1	2.1	2.2	2.1
110.5°	2.2	2.1	2.2	2.2	2.3
111°	2.2	2.3	2.3	2.3	2.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.6	2.7	2.6	2.4
113°	2.8	2.5	2.5	2.6	2.6
113.5°	2.8	2.8	2.8	2.9	2.9
114°	2.9	2.9	3.0	3.0	2.9
114.5°	3.1	3.1	3.0	3.0	2.8
115°	3.1	3.1	3.0	3.1	3.0
115.5°	3.4	3.1	3.3	3.2	3.0
116°	3.3	3.4	3.4	3.3	3.2
116.5°	3.5	3.5	3.5	3.5	3.4
117°	3.7	3.7	3.7	3.7	3.3
117.5°	4.0	3.7	3.9	3.7	3.5
118°	4.0	3.9	4.1	3.9	3.6
118.5°	4.3	4.1	4.1	4.0	3.9
119°	4.3	4.3	4.4	4.1	4.1
119.5°	4.4	4.4	4.4	4.3	4.2
120°	4.6	4.6	4.5	4.4	4.5
120.5°	4.7	4.5	4.7	4.6	4.5
121°	4.7	4.7	4.7	4.7	4.5
121.5°	5.2	5.0	4.9	4.7	4.7
122°	4.9	5.2	5.0	4.9	5.0
122.5°	5.3	5.2	5.1	5.1	4.9
123°	5.4	5.4	5.2	5.2	5.1
123.5°	5.4	5.6	5.3	5.1	5.3
124°	5.5	5.6	5.5	5.3	5.3
124.5°	5.8	5.6	5.5	5.4	5.4
125°	6.0	5.8	5.7	5.6	5.6
125.5°	6.0	5.9	5.7	5.6	5.7
126°	6.0	5.8	5.7	5.7	5.6
126.5°	5.8	5.9	6.0	5.7	5.8
127°	6.0	6.0	5.8	5.7	5.6
127.5°	6.2	6.1	6.0	5.7	5.6
128°	6.2	5.9	5.9	5.7	5.8
128.5°	6.0	6.0	5.8	5.6	5.8
129°	5.9	5.9	5.8	5.7	5.6
129.5°	5.8	5.9	5.8	5.7	5.7
130°	5.8	5.9	5.7	5.5	5.6
130.5°	6.0	5.8	5.8	5.3	5.6
131°	5.7	5.7	5.7	5.4	5.5
131.5°	5.8	5.6	5.4	5.3	5.4
132°	5.7	5.5	5.5	5.3	5.3
132.5°	5.7	5.5	5.4	5.3	5.4
133°	5.5	5.3	5.3	5.0	5.2
133.5°	5.6	5.3	5.1	4.9	5.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.4	5.1	4.9	4.8	5.2
135.5°	5.1	5.2	4.9	4.7	5.0
136°	5.0	4.9	4.7	4.5	5.0
136.5°	5.1	4.9	4.7	4.5	4.9
137°	5.0	4.8	4.7	4.5	4.8
137.5°	4.9	4.7	4.6	4.3	4.6
138°	4.8	4.6	4.4	4.3	4.6
138.5°	4.9	4.6	4.5	4.2	4.5
139°	4.3	4.5	4.4	4.0	4.6
139.5°	4.6	4.3	4.2	4.1	4.5
140°	4.5	4.2	4.3	4.0	4.2
140.5°	4.5	4.2	4.2	4.0	4.2
141°	4.3	4.2	4.1	3.7	4.0
141.5°	4.0	4.2	4.2	3.7	4.0
142°	3.9	3.9	4.1	3.9	3.6
142.5°	3.9	4.1	4.0	3.7	3.6
143°	4.1	4.0	4.0	3.9	3.6
143.5°	4.1	4.0	4.0	3.6	3.6
144°	4.1	3.7	4.1	3.5	3.7
144.5°	3.9	3.7	3.9	3.6	3.7
145°	4.0	3.7	3.9	3.4	3.7
145.5°	3.9	3.6	3.7	3.4	4.0
146°	3.9	3.6	3.5	3.4	3.7
146.5°	4.0	3.6	3.5	3.4	3.7
147°	3.9	3.6	3.4	3.5	3.5
147.5°	3.7	3.6	3.4	3.5	3.9
148°	3.9	3.6	3.5	3.4	3.9
148.5°	4.0	3.7	3.5	3.4	3.9
149°	3.9	3.6	3.5	3.4	3.9
149.5°	4.1	3.5	3.5	3.4	4.0
150°	4.0	3.7	3.5	3.4	3.9
150.5°	3.9	3.6	3.5	3.5	3.9
151°	4.1	3.6	3.4	3.5	4.1
151.5°	4.0	3.7	3.4	3.5	4.1
152°	4.1	3.7	3.6	3.7	3.9
152.5°	4.1	3.9	3.5	3.6	4.1
153°	4.0	3.7	3.6	3.9	4.2
153.5°	4.3	3.9	3.5	3.7	4.1
154°	4.1	3.9	3.7	3.7	4.1
154.5°	4.1	3.7	3.7	4.0	4.2
155°	3.9	3.9	3.9	4.0	4.3
155.5°	4.1	3.7	3.7	3.9	4.2
156°	3.9	3.9	3.9	3.9	4.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	3.9	3.6	3.7	4.0	4.1
158°	4.2	3.9	3.7	3.9	4.2
158.5°	4.0	3.9	3.6	3.9	4.1
159°	4.1	3.9	3.7	3.9	4.3
159.5°	4.0	3.7	3.7	3.9	4.4
160°	4.0	3.9	3.6	3.9	4.2
160.5°	3.9	3.7	3.7	4.0	4.2
161°	3.9	3.7	3.7	4.0	4.2
161.5°	4.0	3.9	3.7	3.7	4.0
162°	3.9	3.7	3.9	4.0	4.0
162.5°	4.1	4.0	3.9	3.9	4.1
163°	4.1	3.9	4.0	4.0	4.0
163.5°	4.0	3.9	4.0	4.0	4.3
164°	3.9	4.0	3.9	4.2	4.2
164.5°	3.7	4.1	4.0	4.2	4.3
165°	3.9	3.9	3.7	4.1	4.2
165.5°	3.6	3.9	3.7	4.4	4.2
166°	4.0	4.0	3.9	4.2	4.1
166.5°	4.0	3.9	3.7	4.3	3.9
167°	3.9	4.2	3.9	4.4	4.3
167.5°	4.0	4.2	4.0	4.5	4.3
168°	4.1	4.1	3.9	4.4	4.2
168.5°	4.0	4.3	4.1	4.7	4.3
169°	4.3	4.2	3.9	4.7	4.3
169.5°	4.2	4.2	4.0	4.6	4.4
170°	4.3	4.2	4.1	4.7	4.3
170.5°	4.3	4.4	4.1	4.7	4.5
171°	4.3	4.3	4.3	4.7	4.6
171.5°	4.2	4.3	4.3	4.8	4.4
172°	4.2	4.3	4.4	4.8	4.5
172.5°	4.4	4.4	4.5	4.8	4.5
173°	4.2	4.2	4.5	4.8	4.6
173.5°	4.5	4.4	4.6	4.7	4.7
174°	4.6	4.6	4.9	4.8	4.6
174.5°	4.6	4.8	4.8	5.0	4.8
175°	4.9	4.8	4.9	5.0	4.7
175.5°	4.9	4.8	5.1	4.9	4.9
176°	5.1	5.0	4.9	4.8	4.8
176.5°	5.2	4.9	5.0	4.6	4.8
177°	5.0	4.9	4.7	4.6	4.8
177.5°	5.1	4.9	4.6	4.5	4.9
178°	4.8	4.7	4.5	4.5	4.6
178.5°	4.7	4.6	4.4	4.4	4.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L940-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	4277.0	4271.8	4251.0	4231.2	4222.9
22°	4274.9	4269.7	4247.8	4228.1	4219.7



44°	3828.5	3812.9	3781.6	3762.9	3750.4
44.5°	3804.5	3787.9	3758.7	3739.0	3726.5



66.5°	2044.8	2036.5	2020.9	2015.7	2010.5
67°	1993.8	1984.5	1969.9	1964.7	1960.5



89°	30.4	29.9	29.6	31.1	31.5
89.5°	13.4	13.6	13.3	14.3	14.0



111.5°	2.6	2.3	2.4	2.4	2.3
112°	2.6	2.4	2.4	2.4	2.6



134°	5.3	5.2	5.1	5.0	5.3
134.5°	5.4	5.1	5.1	4.8	5.0



156.5°	4.1	3.7	3.9	4.0	4.1
157°	4.0	3.7	3.9	3.9	4.1



179°	4.5	4.4	4.2	4.3	4.5
179.5°	4.0	4.2	4.1	4.0	4.3



(END OF REPORT)