

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-L840-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-L840-CFR2
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 4000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

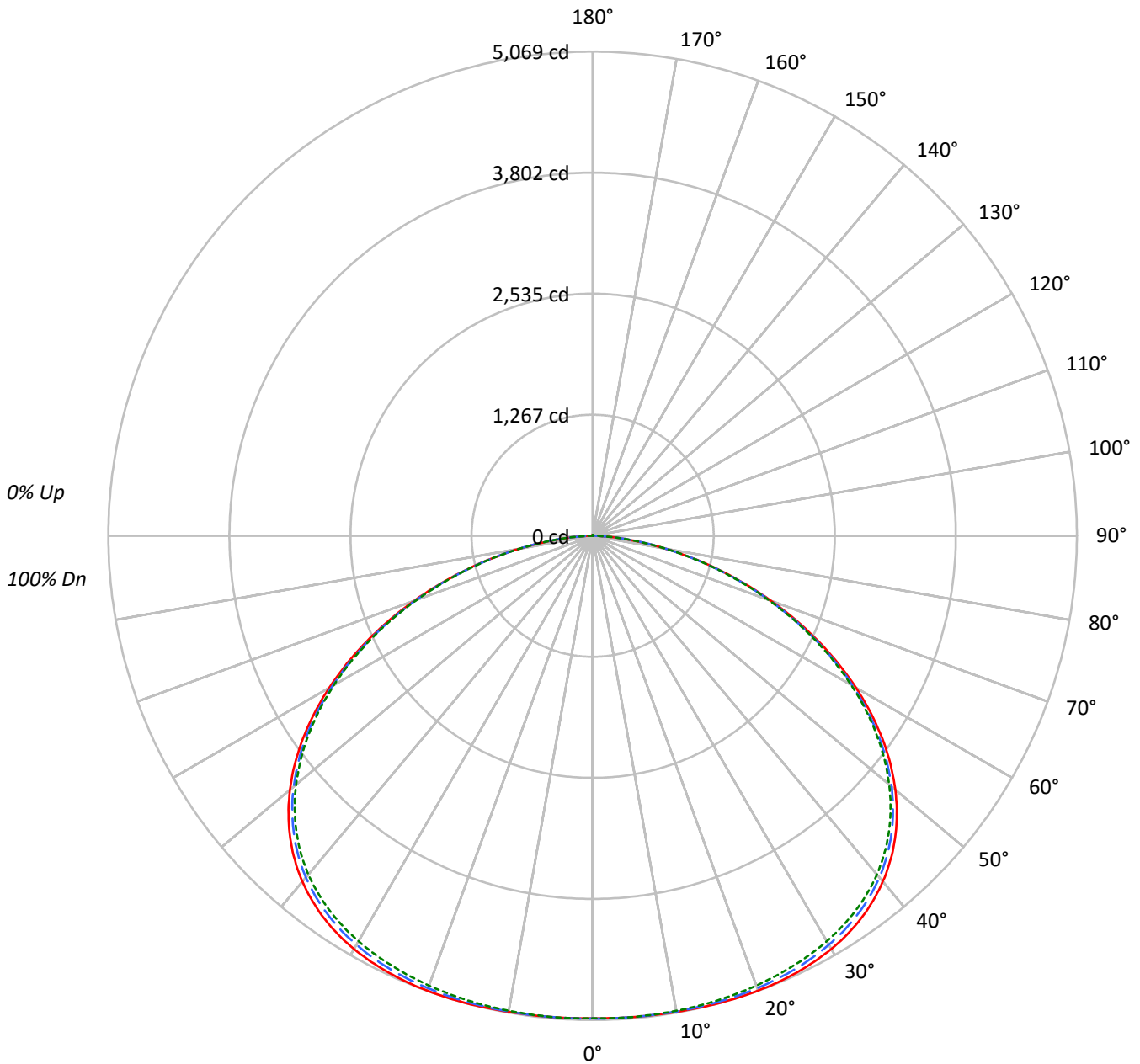
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18293.0 lumens
Efficiency: N/A
Efficacy: 125.5 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 (A_{in}): 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-L840-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

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°	3607	3607	3607
5°	3624	3624	3623
10°	3669	3666	3660
15°	3746	3736	3723
20°	3849	3829	3807
25°	3976	3944	3913
30°	4118	4076	4040
35°	4265	4216	4178
40°	4404	4351	4314
45°	4520	4464	4426
50°	4593	4537	4500
55°	4607	4550	4517
60°	4546	4490	4463
65°	4398	4348	4327
70°	4146	4102	4082
75°	3756	3732	3715
80°	3195	3205	3171
85°	2380	2438	2434



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.7	2.6
10°-20°	1431.9	7.8
20°-30°	2314.7	12.7
30°-40°	3031.8	16.6
40°-50°	3410.2	18.6
50°-60°	3263.2	17.8
60°-70°	2545.1	13.9
70°-80°	1434.3	7.8
80°-90°	354.9	1.9
90°-100°	1.3	0.0
100°-110°	2.0	0.0
110°-120°	3.7	0.0
120°-130°	5.8	0.0
130°-140°	4.6	0.0
140°-150°	2.8	0.0
150°-160°	2.1	0.0
160°-170°	1.3	0.0
170°-180°	0.5	0.0
0°-30°	4229.3	23.1
0°-40°	7261.1	39.7
0°-60°	13934.6	76.2
0°-90°	18268.8	99.9
90°-120°	7.0	0.0
90°-150°	20.2	0.1
90°-180°	24.0	0.1
0°-180°	18293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5052	5052	5052	5052	5052	
5°	5057	5058	5057	5057	5056	483
15°	5068	5067	5054	5043	5037	1436
25°	5047	5038	5008	4979	4968	2333
35°	4894	4878	4838	4808	4794	3064
45°	4477	4457	4421	4400	4384	3448
55°	3702	3682	3656	3640	3629	3299
65°	2604	2594	2574	2567	2562	2570
75°	1362	1362	1353	1350	1347	1443
85°	291	294	298	300	297	337
90°	3	3	3	3	3	14
95°	1	1	1	1	1	1
105°	2	2	2	2	2	2
115°	4	4	4	4	4	4
125°	7	7	7	7	7	6
135°	6	6	6	6	6	5
145°	5	4	5	4	4	3
155°	5	5	5	5	5	2
165°	5	5	4	5	5	1
175°	6	6	6	6	6	1
180°	5	5	5	5	5	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5052.0	5052.0	5052.0	5052.0	5052.0
0.5°	5050.8	5054.5	5055.7	5054.5	5052.0
1°	5052.0	5054.5	5055.7	5055.7	5053.2
1.5°	5053.2	5055.7	5055.7	5055.7	5054.5
2°	5053.2	5055.7	5055.7	5056.9	5054.5
2.5°	5054.5	5056.9	5056.9	5056.9	5054.5
3°	5055.7	5056.9	5056.9	5056.9	5055.7
3.5°	5055.7	5056.9	5056.9	5056.9	5055.7
4°	5056.9	5056.9	5056.9	5056.9	5055.7
4.5°	5056.9	5058.2	5056.9	5056.9	5055.7
5°	5056.9	5058.2	5056.9	5056.9	5055.7
5.5°	5056.9	5058.2	5056.9	5056.9	5055.7
6°	5058.2	5058.2	5056.9	5056.9	5054.5
6.5°	5058.2	5059.4	5058.2	5056.9	5054.5
7°	5058.2	5059.4	5056.9	5056.9	5054.5
7.5°	5058.2	5059.4	5056.9	5055.7	5053.2
8°	5059.4	5059.4	5058.2	5055.7	5053.2
8.5°	5059.4	5060.6	5056.9	5055.7	5052.0
9°	5060.6	5060.6	5058.2	5054.5	5052.0
9.5°	5060.6	5061.9	5056.9	5054.5	5050.8
10°	5061.9	5061.9	5056.9	5053.2	5049.5
10.5°	5063.1	5063.1	5056.9	5053.2	5049.5
11°	5063.1	5063.1	5056.9	5052.0	5048.3
11.5°	5064.3	5064.3	5056.9	5050.8	5047.1
12°	5064.3	5064.3	5056.9	5050.8	5045.8
12.5°	5065.5	5064.3	5055.7	5049.5	5044.6
13°	5065.5	5064.3	5055.7	5048.3	5043.4
13.5°	5066.8	5065.5	5055.7	5047.1	5042.1
14°	5066.8	5065.5	5055.7	5045.8	5039.7
14.5°	5068.0	5065.5	5054.5	5044.6	5038.4
15°	5068.0	5066.8	5054.5	5043.4	5037.2
15.5°	5069.2	5066.8	5053.2	5040.9	5034.7
16°	5068.0	5066.8	5052.0	5039.7	5032.3
16.5°	5069.2	5066.8	5052.0	5037.2	5029.8
17°	5069.2	5065.5	5050.8	5034.7	5028.6
17.5°	5069.2	5065.5	5048.3	5033.5	5026.1
18°	5069.2	5065.5	5047.1	5031.0	5022.4
18.5°	5069.2	5064.3	5045.8	5028.6	5020.0
19°	5068.0	5064.3	5044.6	5026.1	5017.5
19.5°	5068.0	5063.1	5042.1	5022.4	5013.8
20°	5066.8	5061.9	5039.7	5020.0	5011.3
20.5°	5065.5	5060.6	5038.4	5017.5	5007.6
21°	5065.5	5059.4	5036.0	5013.8	5003.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	5060.6	5053.2	5027.4	5002.7	4991.6
23°	5058.2	5050.8	5023.7	4999.0	4987.9
23.5°	5055.7	5048.3	5020.0	4994.1	4983.0
24°	5053.2	5045.8	5016.3	4989.2	4978.1
24.5°	5050.8	5042.1	5012.6	4984.2	4973.1
25°	5047.1	5038.4	5007.6	4979.3	4968.2
25.5°	5043.4	5034.7	5002.7	4974.4	4962.0
26°	5039.7	5031.0	4997.8	4969.4	4957.1
26.5°	5036.0	5026.1	4992.8	4963.3	4951.0
27°	5031.0	5021.2	4986.7	4957.1	4944.8
27.5°	5026.1	5016.3	4980.5	4951.0	4938.6
28°	5021.2	5010.1	4974.4	4944.8	4932.5
28.5°	5015.0	5003.9	4968.2	4937.4	4925.1
29°	5008.9	4997.8	4960.8	4930.0	4917.7
29.5°	5002.7	4990.4	4953.4	4922.6	4909.1
30°	4995.3	4983.0	4944.8	4914.0	4900.4
30.5°	4987.9	4975.6	4936.2	4905.4	4893.0
31°	4979.3	4967.0	4927.5	4896.7	4883.2
31.5°	4971.9	4958.3	4917.7	4888.1	4874.6
32°	4962.0	4948.5	4909.1	4878.3	4864.7
32.5°	4952.2	4938.6	4898.0	4867.2	4853.6
33°	4942.3	4927.5	4886.9	4857.3	4842.5
33.5°	4931.2	4916.5	4875.8	4846.2	4831.4
34°	4918.9	4904.1	4863.5	4833.9	4820.3
34.5°	4906.6	4891.8	4851.1	4821.6	4808.0
35°	4894.3	4878.3	4837.6	4808.0	4794.5
35.5°	4880.7	4864.7	4824.0	4794.5	4780.9
36°	4867.2	4849.9	4809.3	4780.9	4766.1
36.5°	4851.1	4835.1	4794.5	4766.1	4752.6
37°	4835.1	4819.1	4778.4	4750.1	4736.6
37.5°	4819.1	4801.9	4762.4	4734.1	4719.3
38°	4801.9	4785.8	4745.2	4718.1	4703.3
38.5°	4784.6	4767.4	4726.7	4699.6	4686.0
39°	4766.1	4747.6	4708.2	4682.3	4667.6
39.5°	4746.4	4727.9	4689.7	4662.6	4649.1
40°	4725.5	4708.2	4668.8	4642.9	4629.4
40.5°	4705.7	4687.3	4647.8	4623.2	4608.4
41°	4683.6	4665.1	4626.9	4601.0	4586.2
41.5°	4660.2	4641.7	4603.5	4578.8	4564.0
42°	4636.7	4618.3	4580.1	4556.7	4540.6
42.5°	4612.1	4593.6	4555.4	4532.0	4517.2
43°	4587.5	4567.7	4530.8	4507.4	4492.6
43.5°	4561.6	4541.9	4504.9	4481.5	4466.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	4476.6	4456.8	4421.1	4400.2	4384.1
45.5°	4447.0	4426.0	4391.5	4370.6	4355.8
46°	4416.2	4395.2	4360.7	4339.8	4325.0
46.5°	4384.1	4363.2	4329.9	4309.0	4294.2
47°	4350.9	4331.2	4296.7	4278.2	4262.2
47.5°	4317.6	4296.7	4263.4	4244.9	4228.9
48°	4284.3	4262.2	4230.1	4210.4	4194.4
48.5°	4248.6	4227.7	4195.6	4177.1	4162.4
49°	4210.4	4190.7	4158.7	4138.9	4125.4
49.5°	4173.4	4153.7	4121.7	4103.2	4088.4
50°	4135.2	4114.3	4084.7	4066.2	4051.5
50.5°	4095.8	4074.9	4045.3	4026.8	4013.3
51°	4056.4	4035.4	4005.9	3987.4	3972.6
51.5°	4014.5	3993.5	3964.0	3946.7	3933.2
52°	3972.6	3951.6	3922.1	3906.1	3892.5
52.5°	3930.7	3909.8	3880.2	3862.9	3850.6
53°	3885.1	3865.4	3838.3	3822.3	3808.7
53.5°	3839.5	3819.8	3792.7	3776.7	3764.4
54°	3793.9	3774.2	3747.1	3731.1	3720.0
54.5°	3749.6	3728.6	3702.7	3686.7	3675.6
55°	3701.5	3681.8	3655.9	3639.9	3628.8
55.5°	3653.5	3633.7	3607.9	3591.8	3582.0
56°	3602.9	3584.5	3558.6	3545.0	3535.2
56.5°	3552.4	3535.2	3509.3	3495.7	3485.9
57°	3503.1	3484.6	3460.0	3447.7	3437.8
57.5°	3453.8	3434.1	3409.5	3397.2	3387.3
58°	3399.6	3381.1	3357.7	3345.4	3336.8
58.5°	3346.6	3329.4	3304.7	3293.7	3285.0
59°	3293.7	3276.4	3253.0	3241.9	3233.3
59.5°	3238.2	3222.2	3198.8	3187.7	3179.1
60°	3184.0	3166.7	3144.6	3134.7	3126.1
60.5°	3128.5	3113.8	3090.3	3080.5	3071.9
61°	3071.9	3057.1	3034.9	3025.0	3016.4
61.5°	3013.9	3001.6	2979.4	2969.6	2962.2
62°	2957.3	2944.9	2922.8	2914.1	2906.7
62.5°	2899.4	2887.0	2864.9	2856.2	2848.8
63°	2841.4	2829.1	2808.2	2799.5	2792.2
63.5°	2782.3	2770.0	2750.3	2741.6	2734.2
64°	2723.1	2710.8	2689.9	2683.7	2675.1
64.5°	2664.0	2651.7	2630.7	2624.6	2617.2
65°	2603.6	2593.8	2574.1	2566.7	2561.7
65.5°	2544.5	2532.2	2513.7	2507.5	2500.1
66°	2481.6	2471.8	2453.3	2447.1	2442.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	2299.3	2288.2	2272.2	2266.0	2259.8
68°	2236.4	2226.6	2210.6	2205.6	2199.5
68.5°	2173.6	2163.7	2147.7	2144.0	2140.3
69°	2110.7	2100.9	2087.3	2083.6	2078.7
69.5°	2049.1	2039.3	2027.0	2023.3	2017.1
70°	1986.3	1977.7	1965.3	1961.7	1955.5
70.5°	1923.5	1914.8	1903.7	1900.0	1893.9
71°	1860.6	1853.2	1843.4	1838.4	1832.3
71.5°	1799.0	1791.6	1780.5	1776.8	1771.9
72°	1736.2	1730.0	1718.9	1716.4	1710.3
72.5°	1673.3	1668.4	1657.3	1654.8	1649.9
73°	1610.5	1605.5	1594.5	1592.0	1588.3
73.5°	1548.9	1543.9	1534.1	1530.4	1526.7
74°	1487.3	1483.6	1473.7	1471.2	1466.3
74.5°	1424.4	1422.0	1413.3	1409.6	1405.9
75°	1361.6	1361.6	1352.9	1350.5	1346.8
75.5°	1301.2	1301.2	1292.6	1290.1	1286.4
76°	1240.8	1240.8	1232.2	1229.9	1224.9
76.5°	1179.8	1180.3	1173.0	1170.5	1166.4
77°	1121.4	1121.9	1115.4	1112.1	1108.0
77.5°	1058.9	1061.9	1056.5	1053.5	1049.5
78°	1000.7	1004.4	998.8	996.5	993.0
78.5°	945.7	948.1	944.5	941.6	936.8
79°	888.2	890.0	887.7	885.2	880.5
79.5°	831.5	834.6	833.0	830.7	825.3
80°	777.1	779.4	779.7	776.4	771.4
80.5°	720.0	724.5	725.3	721.9	719.4
81°	667.1	671.4	672.7	670.7	667.2
81.5°	615.1	620.2	621.3	620.2	615.7
82°	563.0	569.2	571.0	570.1	565.2
82.5°	513.2	520.1	522.1	521.3	516.8
83°	464.9	472.4	474.3	474.9	470.7
83.5°	418.2	425.4	427.7	428.4	423.9
84°	373.4	379.8	382.7	384.0	380.1
84.5°	330.7	335.9	339.5	341.1	339.2
85°	290.6	294.2	297.6	299.8	297.2
85.5°	251.6	254.6	257.0	260.5	258.4
86°	215.4	218.3	220.1	222.8	222.8
86.5°	180.9	182.2	183.6	186.8	186.8
87°	147.9	148.0	148.5	152.5	152.7
87.5°	114.1	115.1	115.6	119.2	120.4
88°	80.5	83.3	84.0	87.4	87.1
88.5°	56.9	56.9	56.8	60.1	60.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	2.7	2.6	2.7	2.8	2.6
90.5°	0.9	0.7	0.9	1.0	0.9
91°	0.9	0.7	0.7	0.9	0.7
91.5°	1.1	0.9	1.0	0.7	0.6
92°	0.9	0.9	0.9	1.0	0.9
92.5°	1.0	0.9	0.9	1.0	0.9
93°	1.0	1.0	1.0	0.9	0.7
93.5°	1.1	0.9	1.0	1.0	1.1
94°	1.1	1.0	1.1	1.0	1.2
94.5°	1.1	1.1	1.0	1.1	1.1
95°	1.1	0.9	1.1	1.0	1.2
95.5°	1.0	1.1	1.2	1.1	1.2
96°	1.4	1.4	1.1	1.1	1.2
96.5°	1.4	1.2	1.2	1.1	1.2
97°	1.4	1.2	1.4	1.1	1.5
97.5°	1.5	1.2	1.2	1.1	1.5
98°	1.6	1.4	1.4	1.4	1.6
98.5°	1.6	1.4	1.2	1.2	1.5
99°	1.5	1.5	1.4	1.2	1.4
99.5°	1.6	1.2	1.5	1.4	1.4
100°	1.6	1.5	1.5	1.5	1.6
100.5°	1.6	1.6	1.5	1.6	1.6
101°	1.7	1.5	1.5	1.5	1.5
101.5°	1.8	1.5	1.6	1.6	1.7
102°	2.0	1.6	1.7	1.6	1.7
102.5°	1.7	1.6	1.6	1.7	1.7
103°	1.7	1.5	1.7	1.6	1.7
103.5°	1.8	1.8	1.7	1.7	1.6
104°	2.1	1.8	1.8	1.7	1.6
104.5°	1.8	2.0	2.0	2.0	1.7
105°	2.2	2.0	1.8	2.1	2.1
105.5°	2.1	1.7	2.0	1.8	1.8
106°	2.0	2.0	2.1	2.1	2.2
106.5°	2.2	2.0	2.1	2.0	1.8
107°	2.1	2.1	2.2	2.2	2.0
107.5°	2.3	2.1	2.2	2.3	2.2
108°	2.3	2.1	2.0	2.3	2.1
108.5°	2.3	2.3	2.3	2.2	2.1
109°	2.5	2.3	2.3	2.3	2.5
109.5°	2.6	2.2	2.6	2.5	2.2
110°	2.5	2.5	2.5	2.6	2.5
110.5°	2.6	2.5	2.6	2.6	2.7
111°	2.6	2.7	2.7	2.7	2.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	3.1	3.2	3.1	2.8
113°	3.3	3.0	3.0	3.1	3.1
113.5°	3.3	3.3	3.3	3.5	3.5
114°	3.5	3.5	3.6	3.6	3.5
114.5°	3.7	3.7	3.6	3.6	3.3
115°	3.7	3.7	3.6	3.7	3.6
115.5°	4.1	3.7	3.9	3.8	3.6
116°	3.9	4.1	4.1	3.9	3.8
116.5°	4.2	4.2	4.2	4.2	4.1
117°	4.4	4.4	4.4	4.4	3.9
117.5°	4.7	4.4	4.6	4.4	4.2
118°	4.7	4.6	4.8	4.6	4.3
118.5°	5.1	4.8	4.8	4.7	4.6
119°	5.1	5.1	5.2	4.8	4.8
119.5°	5.2	5.2	5.2	5.1	4.9
120°	5.4	5.4	5.3	5.2	5.3
120.5°	5.5	5.3	5.5	5.4	5.3
121°	5.5	5.5	5.5	5.5	5.3
121.5°	6.2	5.9	5.8	5.5	5.5
122°	5.8	6.2	5.9	5.8	5.9
122.5°	6.3	6.2	6.0	6.0	5.8
123°	6.4	6.4	6.2	6.2	6.0
123.5°	6.4	6.7	6.3	6.0	6.3
124°	6.5	6.7	6.5	6.3	6.3
124.5°	6.9	6.7	6.5	6.4	6.4
125°	7.1	6.9	6.8	6.7	6.7
125.5°	7.1	7.0	6.8	6.7	6.8
126°	7.1	6.9	6.8	6.8	6.7
126.5°	6.9	7.0	7.1	6.8	6.9
127°	7.1	7.1	6.9	6.8	6.7
127.5°	7.4	7.3	7.1	6.8	6.7
128°	7.4	7.0	7.0	6.8	6.9
128.5°	7.1	7.1	6.9	6.7	6.9
129°	7.0	7.0	6.9	6.8	6.7
129.5°	6.9	7.0	6.9	6.8	6.8
130°	6.9	7.0	6.8	6.5	6.7
130.5°	7.1	6.9	6.9	6.3	6.7
131°	6.8	6.8	6.8	6.4	6.5
131.5°	6.9	6.7	6.4	6.3	6.4
132°	6.8	6.5	6.5	6.3	6.3
132.5°	6.8	6.5	6.4	6.3	6.4
133°	6.5	6.3	6.3	5.9	6.2
133.5°	6.7	6.3	6.0	5.8	6.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	6.4	6.0	5.8	5.7	6.2
135.5°	6.0	6.2	5.8	5.5	5.9
136°	5.9	5.8	5.5	5.3	5.9
136.5°	6.0	5.8	5.5	5.3	5.8
137°	5.9	5.7	5.5	5.3	5.7
137.5°	5.8	5.5	5.4	5.1	5.4
138°	5.7	5.4	5.2	5.1	5.4
138.5°	5.8	5.4	5.3	4.9	5.3
139°	5.1	5.3	5.2	4.7	5.4
139.5°	5.4	5.1	4.9	4.8	5.3
140°	5.3	4.9	5.1	4.7	4.9
140.5°	5.3	4.9	4.9	4.7	4.9
141°	5.1	4.9	4.8	4.4	4.7
141.5°	4.7	4.9	4.9	4.4	4.7
142°	4.6	4.6	4.8	4.6	4.3
142.5°	4.6	4.8	4.7	4.4	4.3
143°	4.8	4.7	4.7	4.6	4.3
143.5°	4.8	4.7	4.7	4.3	4.3
144°	4.8	4.4	4.8	4.2	4.4
144.5°	4.6	4.4	4.6	4.3	4.4
145°	4.7	4.4	4.6	4.1	4.4
145.5°	4.6	4.3	4.4	4.1	4.7
146°	4.6	4.3	4.2	4.1	4.4
146.5°	4.7	4.3	4.2	4.1	4.4
147°	4.6	4.3	4.1	4.2	4.2
147.5°	4.4	4.3	4.1	4.2	4.6
148°	4.6	4.3	4.2	4.1	4.6
148.5°	4.7	4.4	4.2	4.1	4.6
149°	4.6	4.3	4.2	4.1	4.6
149.5°	4.8	4.2	4.2	4.1	4.7
150°	4.7	4.4	4.2	4.1	4.6
150.5°	4.6	4.3	4.2	4.2	4.6
151°	4.8	4.3	4.1	4.2	4.8
151.5°	4.7	4.4	4.1	4.2	4.8
152°	4.8	4.4	4.3	4.4	4.6
152.5°	4.8	4.6	4.2	4.3	4.8
153°	4.7	4.4	4.3	4.6	4.9
153.5°	5.1	4.6	4.2	4.4	4.8
154°	4.8	4.6	4.4	4.4	4.8
154.5°	4.8	4.4	4.4	4.7	4.9
155°	4.6	4.6	4.6	4.7	5.1
155.5°	4.8	4.4	4.4	4.6	4.9
156°	4.6	4.6	4.6	4.6	4.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	4.6	4.3	4.4	4.7	4.8
158°	4.9	4.6	4.4	4.6	4.9
158.5°	4.7	4.6	4.3	4.6	4.8
159°	4.8	4.6	4.4	4.6	5.1
159.5°	4.7	4.4	4.4	4.6	5.2
160°	4.7	4.6	4.3	4.6	4.9
160.5°	4.6	4.4	4.4	4.7	4.9
161°	4.6	4.4	4.4	4.7	4.9
161.5°	4.7	4.6	4.4	4.4	4.7
162°	4.6	4.4	4.6	4.7	4.7
162.5°	4.8	4.7	4.6	4.6	4.8
163°	4.8	4.6	4.7	4.7	4.7
163.5°	4.7	4.6	4.7	4.7	5.1
164°	4.6	4.7	4.6	4.9	4.9
164.5°	4.4	4.8	4.7	4.9	5.1
165°	4.6	4.6	4.4	4.8	4.9
165.5°	4.3	4.6	4.4	5.2	4.9
166°	4.7	4.7	4.6	4.9	4.8
166.5°	4.7	4.6	4.4	5.1	4.6
167°	4.6	4.9	4.6	5.2	5.1
167.5°	4.7	4.9	4.7	5.3	5.1
168°	4.8	4.8	4.6	5.2	4.9
168.5°	4.7	5.1	4.8	5.5	5.1
169°	5.1	4.9	4.6	5.5	5.1
169.5°	4.9	4.9	4.7	5.4	5.2
170°	5.1	4.9	4.8	5.5	5.1
170.5°	5.1	5.2	4.8	5.5	5.3
171°	5.1	5.1	5.1	5.5	5.4
171.5°	4.9	5.1	5.1	5.7	5.2
172°	4.9	5.1	5.2	5.7	5.3
172.5°	5.2	5.2	5.3	5.7	5.3
173°	4.9	4.9	5.3	5.7	5.4
173.5°	5.3	5.2	5.4	5.5	5.5
174°	5.4	5.4	5.8	5.7	5.4
174.5°	5.4	5.7	5.7	5.9	5.7
175°	5.8	5.7	5.8	5.9	5.5
175.5°	5.8	5.7	6.0	5.8	5.8
176°	6.0	5.9	5.8	5.7	5.7
176.5°	6.2	5.8	5.9	5.4	5.7
177°	5.9	5.8	5.5	5.4	5.7
177.5°	6.0	5.8	5.4	5.3	5.8
178°	5.7	5.5	5.3	5.3	5.4
178.5°	5.5	5.4	5.2	5.2	5.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.8	4.8	4.8	4.8	4.8



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	5064.3	5058.2	5033.5	5010.1	5000.2
22°	5061.9	5055.7	5029.8	5006.4	4996.5



44°	4533.2	4514.8	4477.8	4455.6	4440.8
44.5°	4504.9	4485.2	4450.7	4427.3	4412.5



66.5°	2421.3	2411.4	2392.9	2386.8	2380.6
67°	2360.9	2349.8	2332.5	2326.4	2321.5



89°	36.0	35.4	35.0	36.8	37.3
89.5°	15.9	16.1	15.8	16.9	16.6



111.5°	3.1	2.7	2.8	2.8	2.7
112°	3.1	2.8	2.8	2.8	3.1



134°	6.3	6.2	6.0	5.9	6.3
134.5°	6.4	6.0	6.0	5.7	5.9



156.5°	4.8	4.4	4.6	4.7	4.8
157°	4.7	4.4	4.6	4.6	4.8



179°	5.3	5.2	4.9	5.1	5.3
179.5°	4.7	4.9	4.8	4.7	5.1



(END OF REPORT)