

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-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**

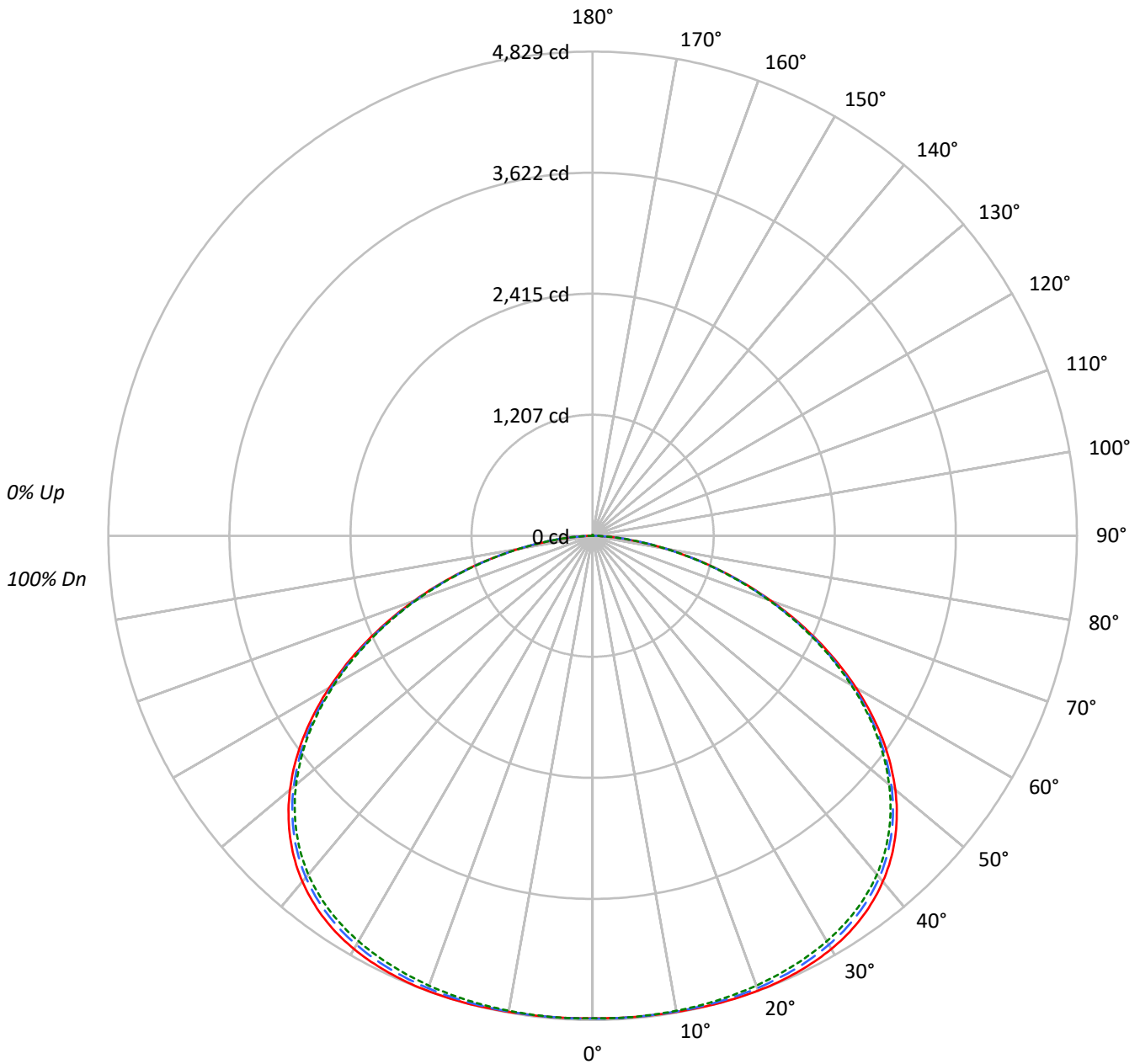
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-180-L840-CFD2  
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 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: 17427.0 lumens  
Efficiency: N/A  
Efficacy: 119.5 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): 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

TEST NUMBER: P#  
CATALOG NUMBER: 44ID-180-L840-CFD2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**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°	3436	3436	3436
5°	3439	3434	3439
10°	3469	3455	3461
15°	3528	3502	3506
20°	3611	3569	3571
25°	3713	3654	3655
30°	3828	3752	3755
35°	3945	3853	3864
40°	4049	3944	3967
45°	4128	4009	4043
50°	4162	4030	4078
55°	4135	3989	4054
60°	4031	3870	3958
65°	3837	3665	3775
70°	3533	3349	3478
75°	3084	2899	3050
80°	2448	2272	2429
85°	1521	1371	1556



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.9	2.6
10°-20°	1364.1	7.8
20°-30°	2205.1	12.7
30°-40°	2888.3	16.6
40°-50°	3248.8	18.6
50°-60°	3108.7	17.8
60°-70°	2424.6	13.9
70°-80°	1366.4	7.8
80°-90°	338.1	1.9
90°-100°	1.2	0.0
100°-110°	1.9	0.0
110°-120°	3.5	0.0
120°-130°	5.5	0.0
130°-140°	4.4	0.0
140°-150°	2.7	0.0
150°-160°	2.0	0.0
160°-170°	1.3	0.0
170°-180°	0.5	0.0
0°-30°	4029.1	23.1
0°-40°	6917.4	39.7
0°-60°	13274.9	76.2
0°-90°	17404.0	99.9
90°-120°	6.7	0.0
90°-150°	19.3	0.1
90°-180°	23.0	0.1
0°-180°	17427.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4813	4813	4813	4813	4813	
5°	4818	4819	4818	4818	4816	460
15°	4828	4827	4815	4805	4799	1368
25°	4808	4800	4771	4744	4733	2222
35°	4663	4647	4609	4580	4568	2919
45°	4265	4246	4212	4192	4177	3285
55°	3526	3508	3483	3468	3457	3143
65°	2480	2471	2452	2445	2440	2448
75°	1297	1297	1289	1287	1283	1375
85°	277	280	284	286	283	321
90°	3	2	3	3	2	13
95°	1	1	1	1	1	1
105°	2	2	2	2	2	2
115°	4	4	3	4	3	4
125°	7	7	6	6	6	6
135°	6	6	6	5	6	5
145°	4	4	4	4	4	3
155°	4	4	4	4	5	2
165°	4	4	4	5	5	1
175°	6	5	6	6	5	0
180°	5	5	5	5	5	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4812.8	4812.8	4812.8	4812.8	4812.8
0.5°	4811.7	4815.2	4816.4	4815.2	4812.8
1°	4812.8	4815.2	4816.4	4816.4	4814.0
1.5°	4814.0	4816.4	4816.4	4816.4	4815.2
2°	4814.0	4816.4	4816.4	4817.5	4815.2
2.5°	4815.2	4817.5	4817.5	4817.5	4815.2
3°	4816.4	4817.5	4817.5	4817.5	4816.4
3.5°	4816.4	4817.5	4817.5	4817.5	4816.4
4°	4817.5	4817.5	4817.5	4817.5	4816.4
4.5°	4817.5	4818.7	4817.5	4817.5	4816.4
5°	4817.5	4818.7	4817.5	4817.5	4816.4
5.5°	4817.5	4818.7	4817.5	4817.5	4816.4
6°	4818.7	4818.7	4817.5	4817.5	4815.2
6.5°	4818.7	4819.9	4818.7	4817.5	4815.2
7°	4818.7	4819.9	4817.5	4817.5	4815.2
7.5°	4818.7	4819.9	4817.5	4816.4	4814.0
8°	4819.9	4819.9	4818.7	4816.4	4814.0
8.5°	4819.9	4821.0	4817.5	4816.4	4812.8
9°	4821.0	4821.0	4818.7	4815.2	4812.8
9.5°	4821.0	4822.2	4817.5	4815.2	4811.7
10°	4822.2	4822.2	4817.5	4814.0	4810.5
10.5°	4823.4	4823.4	4817.5	4814.0	4810.5
11°	4823.4	4823.4	4817.5	4812.8	4809.3
11.5°	4824.6	4824.6	4817.5	4811.7	4808.1
12°	4824.6	4824.6	4817.5	4811.7	4807.0
12.5°	4825.7	4824.6	4816.4	4810.5	4805.8
13°	4825.7	4824.6	4816.4	4809.3	4804.6
13.5°	4826.9	4825.7	4816.4	4808.1	4803.4
14°	4826.9	4825.7	4816.4	4807.0	4801.1
14.5°	4828.1	4825.7	4815.2	4805.8	4799.9
15°	4828.1	4826.9	4815.2	4804.6	4798.7
15.5°	4829.3	4826.9	4814.0	4802.3	4796.4
16°	4828.1	4826.9	4812.8	4801.1	4794.0
16.5°	4829.3	4826.9	4812.8	4798.7	4791.7
17°	4829.3	4825.7	4811.7	4796.4	4790.5
17.5°	4829.3	4825.7	4809.3	4795.2	4788.2
18°	4829.3	4825.7	4808.1	4792.9	4784.7
18.5°	4829.3	4824.6	4807.0	4790.5	4782.3
19°	4828.1	4824.6	4805.8	4788.2	4780.0
19.5°	4828.1	4823.4	4803.4	4784.7	4776.4
20°	4826.9	4822.2	4801.1	4782.3	4774.1
20.5°	4825.7	4821.0	4799.9	4780.0	4770.6
21°	4825.7	4819.9	4797.6	4776.4	4767.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	4821.0	4814.0	4789.4	4765.9	4755.3
23°	4818.7	4811.7	4785.8	4762.4	4751.8
23.5°	4816.4	4809.3	4782.3	4757.7	4747.1
24°	4814.0	4807.0	4778.8	4753.0	4742.4
24.5°	4811.7	4803.4	4775.3	4748.3	4737.7
25°	4808.1	4799.9	4770.6	4743.6	4733.0
25.5°	4804.6	4796.4	4765.9	4738.9	4727.1
26°	4801.1	4792.9	4761.2	4734.2	4722.4
26.5°	4797.6	4788.2	4756.5	4728.3	4716.6
27°	4792.9	4783.5	4750.6	4722.4	4710.7
27.5°	4788.2	4778.8	4744.7	4716.6	4704.8
28°	4783.5	4772.9	4738.9	4710.7	4699.0
28.5°	4777.6	4767.1	4733.0	4703.7	4691.9
29°	4771.7	4761.2	4726.0	4696.6	4684.9
29.5°	4765.9	4754.1	4718.9	4689.6	4676.7
30°	4758.8	4747.1	4710.7	4681.4	4668.4
30.5°	4751.8	4740.1	4702.5	4673.1	4661.4
31°	4743.6	4731.8	4694.3	4664.9	4652.0
31.5°	4736.5	4723.6	4684.9	4656.7	4643.8
32°	4727.1	4714.2	4676.7	4647.3	4634.4
32.5°	4717.7	4704.8	4666.1	4636.8	4623.8
33°	4708.4	4694.3	4655.5	4627.4	4613.3
33.5°	4697.8	4683.7	4645.0	4616.8	4602.7
34°	4686.1	4672.0	4633.2	4605.1	4592.1
34.5°	4674.3	4660.2	4621.5	4593.3	4580.4
35°	4662.6	4647.3	4608.6	4580.4	4567.5
35.5°	4649.7	4634.4	4595.7	4567.5	4554.6
36°	4636.8	4620.3	4581.6	4554.6	4540.5
36.5°	4621.5	4606.2	4567.5	4540.5	4527.6
37°	4606.2	4591.0	4552.2	4525.2	4512.3
37.5°	4591.0	4574.5	4537.0	4510.0	4495.9
38°	4574.5	4559.3	4520.5	4494.7	4480.6
38.5°	4558.1	4541.7	4502.9	4477.1	4464.2
39°	4540.5	4522.9	4485.3	4460.7	4446.6
39.5°	4521.7	4504.1	4467.7	4441.9	4429.0
40°	4501.8	4485.3	4447.8	4423.1	4410.2
40.5°	4483.0	4465.4	4427.8	4404.3	4390.2
41°	4461.8	4444.2	4407.8	4383.2	4369.1
41.5°	4439.5	4421.9	4385.5	4362.1	4348.0
42°	4417.2	4399.6	4363.2	4340.9	4325.7
42.5°	4393.8	4376.2	4339.8	4317.5	4303.4
43°	4370.3	4351.5	4316.3	4294.0	4279.9
43.5°	4345.6	4326.9	4291.6	4269.3	4255.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	4264.6	4245.9	4211.8	4191.9	4176.6
45.5°	4236.5	4216.5	4183.6	4163.7	4149.6
46°	4207.1	4187.2	4154.3	4134.3	4120.3
46.5°	4176.6	4156.6	4124.9	4105.0	4090.9
47°	4144.9	4126.1	4093.3	4075.6	4060.4
47.5°	4113.2	4093.3	4061.6	4044.0	4028.7
48°	4081.5	4060.4	4029.9	4011.1	3995.8
48.5°	4047.5	4027.5	3997.0	3979.4	3965.3
49°	4011.1	3992.3	3961.8	3943.0	3930.1
49.5°	3975.9	3957.1	3926.6	3909.0	3894.9
50°	3939.5	3919.5	3891.4	3873.7	3859.7
50.5°	3901.9	3882.0	3853.8	3836.2	3823.3
51°	3864.4	3844.4	3816.2	3798.6	3784.5
51.5°	3824.4	3804.5	3776.3	3759.9	3747.0
52°	3784.5	3764.6	3736.4	3721.1	3708.2
52.5°	3744.6	3724.7	3696.5	3680.1	3668.3
53°	3701.2	3682.4	3656.6	3641.3	3628.4
53.5°	3657.8	3639.0	3613.1	3597.9	3586.1
54°	3614.3	3595.5	3569.7	3554.5	3543.9
54.5°	3572.1	3552.1	3527.5	3512.2	3501.6
55°	3526.3	3507.5	3482.8	3467.6	3457.0
55.5°	3480.5	3461.7	3437.1	3421.8	3412.4
56°	3432.4	3414.8	3390.1	3377.2	3367.8
56.5°	3384.2	3367.8	3343.2	3330.2	3320.9
57°	3337.3	3319.7	3296.2	3284.5	3275.1
57.5°	3290.3	3271.6	3248.1	3236.3	3226.9
58°	3238.7	3221.1	3198.8	3187.0	3178.8
58.5°	3188.2	3171.8	3148.3	3137.7	3129.5
59°	3137.7	3121.3	3099.0	3088.4	3080.2
59.5°	3084.9	3069.6	3047.3	3036.8	3028.6
60°	3033.3	3016.8	2995.7	2986.3	2978.1
60.5°	2980.4	2966.3	2944.0	2934.7	2926.4
61°	2926.4	2912.3	2891.2	2881.8	2873.6
61.5°	2871.3	2859.5	2838.4	2829.0	2822.0
62°	2817.3	2805.5	2784.4	2776.2	2769.1
62.5°	2762.1	2750.4	2729.2	2721.0	2714.0
63°	2706.9	2695.2	2675.2	2667.0	2660.0
63.5°	2650.6	2638.8	2620.1	2611.8	2604.8
64°	2594.2	2582.5	2562.5	2556.7	2548.5
64.5°	2537.9	2526.1	2506.2	2500.3	2493.3
65°	2480.4	2471.0	2452.2	2445.2	2440.5
65.5°	2424.0	2412.3	2394.7	2388.8	2381.8
66°	2364.2	2354.8	2337.2	2331.3	2326.6





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	2190.4	2179.9	2164.6	2158.7	2152.9
68°	2130.6	2121.2	2105.9	2101.2	2095.3
68.5°	2070.7	2061.3	2046.0	2042.5	2039.0
69°	2010.8	2001.4	1988.5	1985.0	1980.3
69.5°	1952.1	1942.7	1931.0	1927.5	1921.6
70°	1892.3	1884.0	1872.3	1868.8	1862.9
70.5°	1832.4	1824.2	1813.6	1810.1	1804.2
71°	1772.5	1765.5	1756.1	1751.4	1745.5
71.5°	1713.8	1706.8	1696.2	1692.7	1688.0
72°	1654.0	1648.1	1637.5	1635.2	1629.3
72.5°	1594.1	1589.4	1578.8	1576.5	1571.8
73°	1534.2	1529.5	1519.0	1516.6	1513.1
73.5°	1475.5	1470.8	1461.5	1457.9	1454.4
74°	1416.9	1413.3	1403.9	1401.6	1396.9
74.5°	1357.0	1354.6	1346.4	1342.9	1339.4
75°	1297.1	1297.1	1288.9	1286.6	1283.0
75.5°	1239.6	1239.6	1231.4	1229.0	1225.5
76°	1182.1	1182.1	1173.9	1171.6	1166.9
76.5°	1124.0	1124.4	1117.5	1115.1	1111.2
77°	1068.3	1068.8	1062.6	1059.4	1055.5
77.5°	1008.8	1011.6	1006.5	1003.7	999.8
78°	953.3	956.8	951.5	949.3	946.0
78.5°	900.9	903.2	899.8	897.1	892.5
79°	846.1	847.9	845.6	843.3	838.8
79.5°	792.1	795.1	793.5	791.4	786.3
80°	740.4	742.5	742.8	739.6	734.8
80.5°	685.9	690.2	690.9	687.8	685.3
81°	635.5	639.6	640.8	638.9	635.6
81.5°	586.0	590.8	591.9	590.8	586.6
82°	536.3	542.2	544.0	543.1	538.5
82.5°	488.9	495.5	497.4	496.7	492.3
83°	442.9	450.1	451.8	452.4	448.4
83.5°	398.4	405.2	407.4	408.2	403.8
84°	355.7	361.8	364.6	365.8	362.1
84.5°	315.1	320.0	323.4	324.9	323.2
85°	276.8	280.3	283.5	285.6	283.1
85.5°	239.7	242.5	244.9	248.2	246.2
86°	205.2	208.0	209.7	212.2	212.2
86.5°	172.3	173.6	174.9	178.0	178.0
87°	140.9	141.0	141.5	145.3	145.4
87.5°	108.7	109.6	110.1	113.5	114.7
88°	76.7	79.4	80.1	83.2	83.0
88.5°	54.2	54.2	54.1	57.3	58.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.6	2.5	2.6	2.7	2.5
90.5°	0.8	0.7	0.8	0.9	0.8
91°	0.8	0.7	0.7	0.8	0.7
91.5°	1.1	0.8	0.9	0.7	0.6
92°	0.8	0.8	0.8	0.9	0.8
92.5°	0.9	0.8	0.8	0.9	0.8
93°	0.9	0.9	0.9	0.8	0.7
93.5°	1.1	0.8	0.9	0.9	1.1
94°	1.1	0.9	1.1	0.9	1.2
94.5°	1.1	1.1	0.9	1.1	1.1
95°	1.1	0.8	1.1	0.9	1.2
95.5°	0.9	1.1	1.2	1.1	1.2
96°	1.3	1.3	1.1	1.1	1.2
96.5°	1.3	1.2	1.2	1.1	1.2
97°	1.3	1.2	1.3	1.1	1.4
97.5°	1.4	1.2	1.2	1.1	1.4
98°	1.5	1.3	1.3	1.3	1.5
98.5°	1.5	1.3	1.2	1.2	1.4
99°	1.4	1.4	1.3	1.2	1.3
99.5°	1.5	1.2	1.4	1.3	1.3
100°	1.5	1.4	1.4	1.4	1.5
100.5°	1.5	1.5	1.4	1.5	1.5
101°	1.6	1.4	1.4	1.4	1.4
101.5°	1.8	1.4	1.5	1.5	1.6
102°	1.9	1.5	1.6	1.5	1.6
102.5°	1.6	1.5	1.5	1.6	1.6
103°	1.6	1.4	1.6	1.5	1.6
103.5°	1.8	1.8	1.6	1.6	1.5
104°	2.0	1.8	1.8	1.6	1.5
104.5°	1.8	1.9	1.9	1.9	1.6
105°	2.1	1.9	1.8	2.0	2.0
105.5°	2.0	1.6	1.9	1.8	1.8
106°	1.9	1.9	2.0	2.0	2.1
106.5°	2.1	1.9	2.0	1.9	1.8
107°	2.0	2.0	2.1	2.1	1.9
107.5°	2.2	2.0	2.1	2.2	2.1
108°	2.2	2.0	1.9	2.2	2.0
108.5°	2.2	2.2	2.2	2.1	2.0
109°	2.3	2.2	2.2	2.2	2.3
109.5°	2.5	2.1	2.5	2.3	2.1
110°	2.3	2.3	2.3	2.5	2.3
110.5°	2.5	2.3	2.5	2.5	2.6
111°	2.5	2.6	2.6	2.6	2.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	2.9	3.1	2.9	2.7
113°	3.2	2.8	2.8	2.9	2.9
113.5°	3.2	3.2	3.2	3.3	3.3
114°	3.3	3.3	3.4	3.4	3.3
114.5°	3.5	3.5	3.4	3.4	3.2
115°	3.5	3.5	3.4	3.5	3.4
115.5°	3.9	3.5	3.8	3.6	3.4
116°	3.8	3.9	3.9	3.8	3.6
116.5°	4.0	4.0	4.0	4.0	3.9
117°	4.2	4.2	4.2	4.2	3.8
117.5°	4.5	4.2	4.3	4.2	4.0
118°	4.5	4.3	4.6	4.3	4.1
118.5°	4.8	4.6	4.6	4.5	4.3
119°	4.8	4.8	4.9	4.6	4.6
119.5°	4.9	4.9	4.9	4.8	4.7
120°	5.2	5.2	5.0	4.9	5.0
120.5°	5.3	5.0	5.3	5.2	5.0
121°	5.3	5.3	5.3	5.3	5.0
121.5°	5.9	5.6	5.5	5.3	5.3
122°	5.5	5.9	5.6	5.5	5.6
122.5°	6.0	5.9	5.8	5.8	5.5
123°	6.1	6.1	5.9	5.9	5.8
123.5°	6.1	6.3	6.0	5.8	6.0
124°	6.2	6.3	6.2	6.0	6.0
124.5°	6.6	6.3	6.2	6.1	6.1
125°	6.8	6.6	6.5	6.3	6.3
125.5°	6.8	6.7	6.5	6.3	6.5
126°	6.8	6.6	6.5	6.5	6.3
126.5°	6.6	6.7	6.8	6.5	6.6
127°	6.8	6.8	6.6	6.5	6.3
127.5°	7.0	6.9	6.8	6.5	6.3
128°	7.0	6.7	6.7	6.5	6.6
128.5°	6.8	6.8	6.6	6.3	6.6
129°	6.7	6.7	6.6	6.5	6.3
129.5°	6.6	6.7	6.6	6.5	6.5
130°	6.6	6.7	6.5	6.2	6.3
130.5°	6.8	6.6	6.6	6.0	6.3
131°	6.5	6.5	6.5	6.1	6.2
131.5°	6.6	6.3	6.1	6.0	6.1
132°	6.5	6.2	6.2	6.0	6.0
132.5°	6.5	6.2	6.1	6.0	6.1
133°	6.2	6.0	6.0	5.6	5.9
133.5°	6.3	6.0	5.8	5.5	5.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	6.1	5.8	5.5	5.4	5.9
135.5°	5.8	5.9	5.5	5.3	5.6
136°	5.6	5.5	5.3	5.0	5.6
136.5°	5.8	5.5	5.3	5.0	5.5
137°	5.6	5.4	5.3	5.0	5.4
137.5°	5.5	5.3	5.2	4.8	5.2
138°	5.4	5.2	4.9	4.8	5.2
138.5°	5.5	5.2	5.0	4.7	5.0
139°	4.8	5.0	4.9	4.5	5.2
139.5°	5.2	4.8	4.7	4.6	5.0
140°	5.0	4.7	4.8	4.5	4.7
140.5°	5.0	4.7	4.7	4.5	4.7
141°	4.8	4.7	4.6	4.2	4.5
141.5°	4.5	4.7	4.7	4.2	4.5
142°	4.3	4.3	4.6	4.3	4.1
142.5°	4.3	4.6	4.5	4.2	4.1
143°	4.6	4.5	4.5	4.3	4.1
143.5°	4.6	4.5	4.5	4.1	4.1
144°	4.6	4.2	4.6	4.0	4.2
144.5°	4.3	4.2	4.3	4.1	4.2
145°	4.5	4.2	4.3	3.9	4.2
145.5°	4.3	4.1	4.2	3.9	4.5
146°	4.3	4.1	4.0	3.9	4.2
146.5°	4.5	4.1	4.0	3.9	4.2
147°	4.3	4.1	3.9	4.0	4.0
147.5°	4.2	4.1	3.9	4.0	4.3
148°	4.3	4.1	4.0	3.9	4.3
148.5°	4.5	4.2	4.0	3.9	4.3
149°	4.3	4.1	4.0	3.9	4.3
149.5°	4.6	4.0	4.0	3.9	4.5
150°	4.5	4.2	4.0	3.9	4.3
150.5°	4.3	4.1	4.0	4.0	4.3
151°	4.6	4.1	3.9	4.0	4.6
151.5°	4.5	4.2	3.9	4.0	4.6
152°	4.6	4.2	4.1	4.2	4.3
152.5°	4.6	4.3	4.0	4.1	4.6
153°	4.5	4.2	4.1	4.3	4.7
153.5°	4.8	4.3	4.0	4.2	4.6
154°	4.6	4.3	4.2	4.2	4.6
154.5°	4.6	4.2	4.2	4.5	4.7
155°	4.3	4.3	4.3	4.5	4.8
155.5°	4.6	4.2	4.2	4.3	4.7
156°	4.3	4.3	4.3	4.3	4.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	4.3	4.1	4.2	4.5	4.6
158°	4.7	4.3	4.2	4.3	4.7
158.5°	4.5	4.3	4.1	4.3	4.6
159°	4.6	4.3	4.2	4.3	4.8
159.5°	4.5	4.2	4.2	4.3	4.9
160°	4.5	4.3	4.1	4.3	4.7
160.5°	4.3	4.2	4.2	4.5	4.7
161°	4.3	4.2	4.2	4.5	4.7
161.5°	4.5	4.3	4.2	4.2	4.5
162°	4.3	4.2	4.3	4.5	4.5
162.5°	4.6	4.5	4.3	4.3	4.6
163°	4.6	4.3	4.5	4.5	4.5
163.5°	4.5	4.3	4.5	4.5	4.8
164°	4.3	4.5	4.3	4.7	4.7
164.5°	4.2	4.6	4.5	4.7	4.8
165°	4.3	4.3	4.2	4.6	4.7
165.5°	4.1	4.3	4.2	4.9	4.7
166°	4.5	4.5	4.3	4.7	4.6
166.5°	4.5	4.3	4.2	4.8	4.3
167°	4.3	4.7	4.3	4.9	4.8
167.5°	4.5	4.7	4.5	5.0	4.8
168°	4.6	4.6	4.3	4.9	4.7
168.5°	4.5	4.8	4.6	5.3	4.8
169°	4.8	4.7	4.3	5.3	4.8
169.5°	4.7	4.7	4.5	5.2	4.9
170°	4.8	4.7	4.6	5.3	4.8
170.5°	4.8	4.9	4.6	5.3	5.0
171°	4.8	4.8	4.8	5.3	5.2
171.5°	4.7	4.8	4.8	5.4	4.9
172°	4.7	4.8	4.9	5.4	5.0
172.5°	4.9	4.9	5.0	5.4	5.0
173°	4.7	4.7	5.0	5.4	5.2
173.5°	5.0	4.9	5.2	5.3	5.3
174°	5.2	5.2	5.5	5.4	5.2
174.5°	5.2	5.4	5.4	5.6	5.4
175°	5.5	5.4	5.5	5.6	5.3
175.5°	5.5	5.4	5.8	5.5	5.5
176°	5.8	5.6	5.5	5.4	5.4
176.5°	5.9	5.5	5.6	5.2	5.4
177°	5.6	5.5	5.3	5.2	5.4
177.5°	5.8	5.5	5.2	5.0	5.5
178°	5.4	5.3	5.0	5.0	5.2
178.5°	5.3	5.2	4.9	4.9	4.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L840-CFD2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.6	4.6	4.6	4.6	4.6



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	4824.6	4818.7	4795.2	4772.9	4763.5
22°	4822.2	4816.4	4791.7	4769.4	4760.0



44°	4318.6	4301.0	4265.8	4244.7	4230.6
44.5°	4291.6	4272.9	4240.0	4217.7	4203.6



66.5°	2306.6	2297.2	2279.6	2273.8	2267.9
67°	2249.1	2238.6	2222.1	2216.3	2211.6



89°	34.3	33.7	33.3	35.1	35.6
89.5°	15.1	15.4	15.0	16.1	15.8



111.5°	2.9	2.6	2.7	2.7	2.6
112°	2.9	2.7	2.7	2.7	2.9





134°	6.0	5.9	5.8	5.6	6.0
134.5°	6.1	5.8	5.8	5.4	5.6



156.5°	4.6	4.2	4.3	4.5	4.6
157°	4.5	4.2	4.3	4.3	4.6



179°	5.0	4.9	4.7	4.8	5.0
179.5°	4.5	4.7	4.6	4.5	4.8



(END OF REPORT)