

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-L835-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**

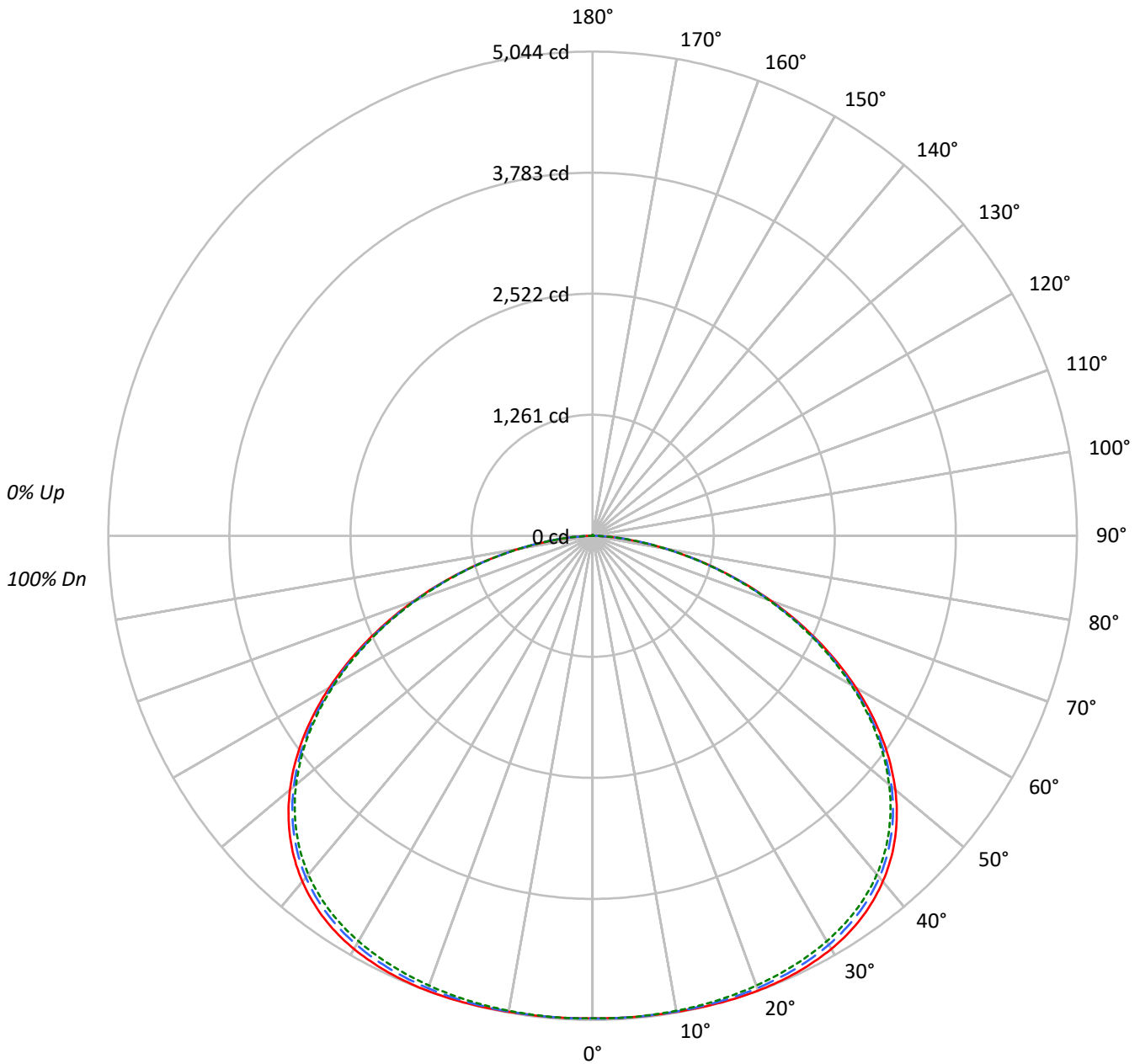
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-180-L835-CFR2  
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS  
AND 3500K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No.   Condition   Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18202.0 lumens  
Efficiency: N/A  
Efficacy: 124.8 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

TEST NUMBER: P#  
CATALOG NUMBER: 44ID-180-L835-CFR2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-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°	3589	3589	3589
5°	3606	3606	3605
10°	3651	3648	3642
15°	3727	3717	3704
20°	3830	3810	3788
25°	3956	3925	3894
30°	4097	4056	4020
35°	4244	4195	4158
40°	4382	4329	4293
45°	4497	4441	4404
50°	4570	4514	4477
55°	4584	4528	4494
60°	4524	4467	4441
65°	4376	4326	4306
70°	4125	4082	4061
75°	3737	3713	3696
80°	3179	3190	3155
85°	2368	2425	2422



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.3	2.6
10°-20°	1424.8	7.8
20°-30°	2303.2	12.7
30°-40°	3016.7	16.6
40°-50°	3393.3	18.6
50°-60°	3247.0	17.8
60°-70°	2532.4	13.9
70°-80°	1427.2	7.8
80°-90°	353.1	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°	4208.3	23.1
0°-40°	7225.0	39.7
0°-60°	13865.3	76.2
0°-90°	18178.0	99.9
90°-120°	7.0	0.0
90°-150°	20.1	0.1
90°-180°	24.0	0.1
0°-180°	18202.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5027	5027	5027	5027	5027	
5°	5032	5033	5032	5032	5030	480
15°	5043	5042	5029	5018	5012	1429
25°	5022	5013	4983	4954	4944	2321
35°	4870	4854	4814	4784	4771	3049
45°	4454	4435	4399	4378	4362	3431
55°	3683	3664	3638	3622	3611	3283
65°	2591	2581	2561	2554	2549	2557
75°	1355	1355	1346	1344	1340	1436
85°	289	293	296	298	296	335
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	4	4	4	3
155°	4	4	4	5	5	2
165°	4	4	4	5	5	1
175°	6	6	6	6	6	1
180°	5	5	5	5	5	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5026.9	5026.9	5026.9	5026.9	5026.9
0.5°	5025.6	5029.3	5030.5	5029.3	5026.9
1°	5026.9	5029.3	5030.5	5030.5	5028.1
1.5°	5028.1	5030.5	5030.5	5030.5	5029.3
2°	5028.1	5030.5	5030.5	5031.8	5029.3
2.5°	5029.3	5031.8	5031.8	5031.8	5029.3
3°	5030.5	5031.8	5031.8	5031.8	5030.5
3.5°	5030.5	5031.8	5031.8	5031.8	5030.5
4°	5031.8	5031.8	5031.8	5031.8	5030.5
4.5°	5031.8	5033.0	5031.8	5031.8	5030.5
5°	5031.8	5033.0	5031.8	5031.8	5030.5
5.5°	5031.8	5033.0	5031.8	5031.8	5030.5
6°	5033.0	5033.0	5031.8	5031.8	5029.3
6.5°	5033.0	5034.2	5033.0	5031.8	5029.3
7°	5033.0	5034.2	5031.8	5031.8	5029.3
7.5°	5033.0	5034.2	5031.8	5030.5	5028.1
8°	5034.2	5034.2	5033.0	5030.5	5028.1
8.5°	5034.2	5035.4	5031.8	5030.5	5026.9
9°	5035.4	5035.4	5033.0	5029.3	5026.9
9.5°	5035.4	5036.7	5031.8	5029.3	5025.6
10°	5036.7	5036.7	5031.8	5028.1	5024.4
10.5°	5037.9	5037.9	5031.8	5028.1	5024.4
11°	5037.9	5037.9	5031.8	5026.9	5023.2
11.5°	5039.1	5039.1	5031.8	5025.6	5022.0
12°	5039.1	5039.1	5031.8	5025.6	5020.7
12.5°	5040.4	5039.1	5030.5	5024.4	5019.5
13°	5040.4	5039.1	5030.5	5023.2	5018.3
13.5°	5041.6	5040.4	5030.5	5022.0	5017.1
14°	5041.6	5040.4	5030.5	5020.7	5014.6
14.5°	5042.8	5040.4	5029.3	5019.5	5013.4
15°	5042.8	5041.6	5029.3	5018.3	5012.2
15.5°	5044.0	5041.6	5028.1	5015.8	5009.7
16°	5042.8	5041.6	5026.9	5014.6	5007.2
16.5°	5044.0	5041.6	5026.9	5012.2	5004.8
17°	5044.0	5040.4	5025.6	5009.7	5003.6
17.5°	5044.0	5040.4	5023.2	5008.5	5001.1
18°	5044.0	5040.4	5022.0	5006.0	4997.4
18.5°	5044.0	5039.1	5020.7	5003.6	4995.0
19°	5042.8	5039.1	5019.5	5001.1	4992.5
19.5°	5042.8	5037.9	5017.1	4997.4	4988.9
20°	5041.6	5036.7	5014.6	4995.0	4986.4
20.5°	5040.4	5035.4	5013.4	4992.5	4982.7
21°	5040.4	5034.2	5010.9	4988.9	4979.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	5035.4	5028.1	5002.3	4977.8	4966.8
23°	5033.0	5025.6	4998.7	4974.1	4963.1
23.5°	5030.5	5023.2	4995.0	4969.2	4958.2
24°	5028.1	5020.7	4991.3	4964.3	4953.3
24.5°	5025.6	5017.1	4987.6	4959.4	4948.4
25°	5022.0	5013.4	4982.7	4954.5	4943.5
25.5°	5018.3	5009.7	4977.8	4949.6	4937.4
26°	5014.6	5006.0	4972.9	4944.7	4932.5
26.5°	5010.9	5001.1	4968.0	4938.6	4926.3
27°	5006.0	4996.2	4961.9	4932.5	4920.2
27.5°	5001.1	4991.3	4955.8	4926.3	4914.1
28°	4996.2	4985.2	4949.6	4920.2	4907.9
28.5°	4990.1	4979.0	4943.5	4912.8	4900.6
29°	4984.0	4972.9	4936.1	4905.5	4893.2
29.5°	4977.8	4965.6	4928.8	4898.1	4884.6
30°	4970.5	4958.2	4920.2	4889.5	4876.1
30.5°	4963.1	4950.8	4911.6	4881.0	4868.7
31°	4954.5	4942.3	4903.0	4872.4	4858.9
31.5°	4947.2	4933.7	4893.2	4863.8	4850.3
32°	4937.4	4923.9	4884.6	4854.0	4840.5
32.5°	4927.6	4914.1	4873.6	4843.0	4829.5
33°	4917.7	4903.0	4862.6	4833.1	4818.4
33.5°	4906.7	4892.0	4851.5	4822.1	4807.4
34°	4894.4	4879.7	4839.3	4809.9	4796.4
34.5°	4882.2	4867.5	4827.0	4797.6	4784.1
35°	4869.9	4854.0	4813.5	4784.1	4770.6
35.5°	4856.4	4840.5	4800.0	4770.6	4757.1
36°	4843.0	4825.8	4785.3	4757.1	4742.4
36.5°	4827.0	4811.1	4770.6	4742.4	4728.9
37°	4811.1	4795.1	4754.7	4726.5	4713.0
37.5°	4795.1	4778.0	4738.7	4710.5	4695.8
38°	4778.0	4762.0	4721.6	4694.6	4679.9
38.5°	4760.8	4743.6	4703.2	4676.2	4662.7
39°	4742.4	4724.0	4684.8	4659.0	4644.3
39.5°	4722.8	4704.4	4666.4	4639.4	4625.9
40°	4702.0	4684.8	4645.6	4619.8	4606.3
40.5°	4682.3	4663.9	4624.7	4600.2	4585.5
41°	4660.3	4641.9	4603.9	4578.1	4563.4
41.5°	4637.0	4618.6	4580.6	4556.1	4541.3
42°	4613.7	4595.3	4557.3	4534.0	4518.0
42.5°	4589.2	4570.8	4532.8	4509.5	4494.8
43°	4564.6	4545.0	4508.2	4484.9	4470.2
43.5°	4538.9	4519.3	4482.5	4459.2	4444.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	4454.3	4434.7	4399.1	4378.3	4362.3
45.5°	4424.9	4404.0	4369.7	4348.9	4334.1
46°	4394.2	4373.4	4339.0	4318.2	4303.5
46.5°	4362.3	4341.5	4308.4	4287.5	4272.8
47°	4329.2	4309.6	4275.3	4256.9	4241.0
47.5°	4296.1	4275.3	4242.2	4223.8	4207.9
48°	4263.0	4241.0	4209.1	4189.5	4173.5
48.5°	4227.5	4206.6	4174.7	4156.4	4141.6
49°	4189.5	4169.8	4138.0	4118.4	4104.9
49.5°	4152.7	4133.1	4101.2	4082.8	4068.1
50°	4114.7	4093.8	4064.4	4046.0	4031.3
50.5°	4075.4	4054.6	4025.2	4006.8	3993.3
51°	4036.2	4015.4	3985.9	3967.5	3952.8
51.5°	3994.5	3973.7	3944.2	3927.1	3913.6
52°	3952.8	3932.0	3902.6	3886.6	3873.1
52.5°	3911.1	3890.3	3860.9	3843.7	3831.5
53°	3865.8	3846.2	3819.2	3803.3	3789.8
53.5°	3820.4	3800.8	3773.8	3757.9	3745.6
54°	3775.1	3755.4	3728.5	3712.5	3701.5
54.5°	3730.9	3710.1	3684.3	3668.4	3657.3
55°	3683.1	3663.5	3637.7	3621.8	3610.8
55.5°	3635.3	3615.7	3589.9	3574.0	3564.2
56°	3585.0	3566.6	3540.9	3527.4	3517.6
56.5°	3534.7	3517.6	3491.8	3478.3	3468.5
57°	3485.7	3467.3	3442.8	3430.5	3420.7
57.5°	3436.7	3417.0	3392.5	3380.3	3370.5
58°	3382.7	3364.3	3341.0	3328.8	3320.2
58.5°	3330.0	3312.8	3288.3	3277.3	3268.7
59°	3277.3	3260.1	3236.8	3225.8	3217.2
59.5°	3222.1	3206.2	3182.9	3171.8	3163.2
60°	3168.2	3151.0	3128.9	3119.1	3110.5
60.5°	3113.0	3098.3	3075.0	3065.2	3056.6
61°	3056.6	3041.9	3019.8	3010.0	3001.4
61.5°	2999.0	2986.7	2964.6	2954.8	2947.5
62°	2942.6	2930.3	2908.2	2899.6	2892.3
62.5°	2884.9	2872.7	2850.6	2842.0	2834.7
63°	2827.3	2815.0	2794.2	2785.6	2778.3
63.5°	2768.5	2756.2	2736.6	2728.0	2720.6
64°	2709.6	2697.3	2676.5	2670.4	2661.8
64.5°	2650.8	2638.5	2617.6	2611.5	2604.2
65°	2590.7	2580.9	2561.2	2553.9	2549.0
65.5°	2531.8	2519.6	2501.2	2495.0	2487.7
66°	2469.3	2459.5	2441.1	2435.0	2430.1





TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	2287.8	2276.8	2260.9	2254.7	2248.6
68°	2225.3	2215.5	2199.6	2194.7	2188.5
68.5°	2162.8	2153.0	2137.0	2133.4	2129.7
69°	2100.2	2090.4	2077.0	2073.3	2068.4
69.5°	2038.9	2029.1	2016.9	2013.2	2007.1
70°	1976.4	1967.8	1955.6	1951.9	1945.8
70.5°	1913.9	1905.3	1894.3	1890.6	1884.5
71°	1851.4	1844.0	1834.2	1829.3	1823.2
71.5°	1790.1	1782.7	1771.7	1768.0	1763.1
72°	1727.5	1721.4	1710.4	1707.9	1701.8
72.5°	1665.0	1660.1	1649.1	1646.6	1641.7
73°	1602.5	1597.6	1586.5	1584.1	1580.4
73.5°	1541.2	1536.3	1526.5	1522.8	1519.1
74°	1479.9	1476.2	1466.4	1463.9	1459.0
74.5°	1417.3	1414.9	1406.3	1402.6	1398.9
75°	1354.8	1354.8	1346.2	1343.8	1340.1
75.5°	1294.7	1294.7	1286.1	1283.7	1280.0
76°	1234.6	1234.6	1226.1	1223.7	1218.8
76.5°	1174.0	1174.4	1167.2	1164.6	1160.6
77°	1115.8	1116.3	1109.8	1106.5	1102.5
77.5°	1053.7	1056.6	1051.2	1048.3	1044.2
78°	995.7	999.4	993.8	991.5	988.1
78.5°	941.0	943.3	939.8	937.0	932.2
79°	883.7	885.6	883.3	880.8	876.1
79.5°	827.3	830.4	828.8	826.6	821.2
80°	773.3	775.5	775.9	772.5	767.5
80.5°	716.4	720.9	721.7	718.4	715.8
81°	663.8	668.1	669.3	667.3	663.9
81.5°	612.1	617.1	618.2	617.1	612.7
82°	560.2	566.3	568.2	567.3	562.4
82.5°	510.7	517.5	519.5	518.7	514.2
83°	462.6	470.1	471.9	472.5	468.4
83.5°	416.1	423.2	425.6	426.3	421.8
84°	371.5	377.9	380.8	382.0	378.2
84.5°	329.1	334.2	337.8	339.4	337.5
85°	289.1	292.8	296.1	298.3	295.7
85.5°	250.4	253.3	255.8	259.2	257.1
86°	214.3	217.3	219.0	221.7	221.7
86.5°	180.0	181.3	182.7	185.9	185.9
87°	147.1	147.3	147.7	151.8	151.9
87.5°	113.5	114.5	115.0	118.6	119.8
88°	80.1	82.9	83.6	86.9	86.7
88.5°	56.6	56.6	56.5	59.8	60.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-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°	1.3	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	1.5
97.5°	1.5	1.2	1.2	1.1	1.5
98°	1.6	1.3	1.3	1.3	1.6
98.5°	1.6	1.3	1.2	1.2	1.5
99°	1.5	1.5	1.3	1.2	1.3
99.5°	1.6	1.2	1.5	1.3	1.3
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-L835-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	3.1	3.2	3.1	2.8
113°	3.3	2.9	2.9	3.1	3.1
113.5°	3.3	3.3	3.3	3.4	3.4
114°	3.4	3.4	3.6	3.6	3.4
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°	4.0	3.7	3.9	3.8	3.6
116°	3.9	4.0	4.0	3.9	3.8
116.5°	4.2	4.2	4.2	4.2	4.0
117°	4.4	4.4	4.4	4.4	3.9
117.5°	4.7	4.4	4.5	4.4	4.2
118°	4.7	4.5	4.8	4.5	4.3
118.5°	5.0	4.8	4.8	4.7	4.5
119°	5.0	5.0	5.1	4.8	4.8
119.5°	5.1	5.1	5.1	5.0	4.9
120°	5.4	5.4	5.3	5.1	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°	6.1	5.9	5.8	5.5	5.5
122°	5.8	6.1	5.9	5.8	5.9
122.5°	6.3	6.1	6.0	6.0	5.8
123°	6.4	6.4	6.1	6.1	6.0
123.5°	6.4	6.6	6.3	6.0	6.3
124°	6.5	6.6	6.5	6.3	6.3
124.5°	6.9	6.6	6.5	6.4	6.4
125°	7.1	6.9	6.7	6.6	6.6
125.5°	7.1	7.0	6.7	6.6	6.7
126°	7.1	6.9	6.7	6.7	6.6
126.5°	6.9	7.0	7.1	6.7	6.9
127°	7.1	7.1	6.9	6.7	6.6
127.5°	7.4	7.2	7.1	6.7	6.6
128°	7.4	7.0	7.0	6.7	6.9
128.5°	7.1	7.1	6.9	6.6	6.9
129°	7.0	7.0	6.9	6.7	6.6
129.5°	6.9	7.0	6.9	6.7	6.7
130°	6.9	7.0	6.7	6.5	6.6
130.5°	7.1	6.9	6.9	6.3	6.6
131°	6.7	6.7	6.7	6.4	6.5
131.5°	6.9	6.6	6.4	6.3	6.4
132°	6.7	6.5	6.5	6.3	6.3
132.5°	6.7	6.5	6.4	6.3	6.4
133°	6.5	6.3	6.3	5.9	6.1
133.5°	6.6	6.3	6.0	5.8	6.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	6.4	6.0	5.8	5.6	6.1
135.5°	6.0	6.1	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	5.6	5.5	5.3	5.6
137.5°	5.8	5.5	5.4	5.0	5.4
138°	5.6	5.4	5.1	5.0	5.4
138.5°	5.8	5.4	5.3	4.9	5.3
139°	5.0	5.3	5.1	4.7	5.4
139.5°	5.4	5.0	4.9	4.8	5.3
140°	5.3	4.9	5.0	4.7	4.9
140.5°	5.3	4.9	4.9	4.7	4.9
141°	5.0	4.9	4.8	4.4	4.7
141.5°	4.7	4.9	4.9	4.4	4.7
142°	4.5	4.5	4.8	4.5	4.3
142.5°	4.5	4.8	4.7	4.4	4.3
143°	4.8	4.7	4.7	4.5	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°	4.5	4.4	4.5	4.3	4.4
145°	4.7	4.4	4.5	4.0	4.4
145.5°	4.5	4.3	4.4	4.0	4.7
146°	4.5	4.3	4.2	4.0	4.4
146.5°	4.7	4.3	4.2	4.0	4.4
147°	4.5	4.3	4.0	4.2	4.2
147.5°	4.4	4.3	4.0	4.2	4.5
148°	4.5	4.3	4.2	4.0	4.5
148.5°	4.7	4.4	4.2	4.0	4.5
149°	4.5	4.3	4.2	4.0	4.5
149.5°	4.8	4.2	4.2	4.0	4.7
150°	4.7	4.4	4.2	4.0	4.5
150.5°	4.5	4.3	4.2	4.2	4.5
151°	4.8	4.3	4.0	4.2	4.8
151.5°	4.7	4.4	4.0	4.2	4.8
152°	4.8	4.4	4.3	4.4	4.5
152.5°	4.8	4.5	4.2	4.3	4.8
153°	4.7	4.4	4.3	4.5	4.9
153.5°	5.0	4.5	4.2	4.4	4.8
154°	4.8	4.5	4.4	4.4	4.8
154.5°	4.8	4.4	4.4	4.7	4.9
155°	4.5	4.5	4.5	4.7	5.0
155.5°	4.8	4.4	4.4	4.5	4.9
156°	4.5	4.5	4.5	4.5	4.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	4.5	4.3	4.4	4.7	4.8
158°	4.9	4.5	4.4	4.5	4.9
158.5°	4.7	4.5	4.3	4.5	4.8
159°	4.8	4.5	4.4	4.5	5.0
159.5°	4.7	4.4	4.4	4.5	5.1
160°	4.7	4.5	4.3	4.5	4.9
160.5°	4.5	4.4	4.4	4.7	4.9
161°	4.5	4.4	4.4	4.7	4.9
161.5°	4.7	4.5	4.4	4.4	4.7
162°	4.5	4.4	4.5	4.7	4.7
162.5°	4.8	4.7	4.5	4.5	4.8
163°	4.8	4.5	4.7	4.7	4.7
163.5°	4.7	4.5	4.7	4.7	5.0
164°	4.5	4.7	4.5	4.9	4.9
164.5°	4.4	4.8	4.7	4.9	5.0
165°	4.5	4.5	4.4	4.8	4.9
165.5°	4.3	4.5	4.4	5.1	4.9
166°	4.7	4.7	4.5	4.9	4.8
166.5°	4.7	4.5	4.4	5.0	4.5
167°	4.5	4.9	4.5	5.1	5.0
167.5°	4.7	4.9	4.7	5.3	5.0
168°	4.8	4.8	4.5	5.1	4.9
168.5°	4.7	5.0	4.8	5.5	5.0
169°	5.0	4.9	4.5	5.5	5.0
169.5°	4.9	4.9	4.7	5.4	5.1
170°	5.0	4.9	4.8	5.5	5.0
170.5°	5.0	5.1	4.8	5.5	5.3
171°	5.0	5.0	5.0	5.5	5.4
171.5°	4.9	5.0	5.0	5.6	5.1
172°	4.9	5.0	5.1	5.6	5.3
172.5°	5.1	5.1	5.3	5.6	5.3
173°	4.9	4.9	5.3	5.6	5.4
173.5°	5.3	5.1	5.4	5.5	5.5
174°	5.4	5.4	5.8	5.6	5.4
174.5°	5.4	5.6	5.6	5.9	5.6
175°	5.8	5.6	5.8	5.9	5.5
175.5°	5.8	5.6	6.0	5.8	5.8
176°	6.0	5.9	5.8	5.6	5.6
176.5°	6.1	5.8	5.9	5.4	5.6
177°	5.9	5.8	5.5	5.4	5.6
177.5°	6.0	5.8	5.4	5.3	5.8
178°	5.6	5.5	5.3	5.3	5.4
178.5°	5.5	5.4	5.1	5.1	5.1



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L835-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°	5039.1	5033.0	5008.5	4985.2	4975.4
22°	5036.7	5030.5	5004.8	4981.5	4971.7



44°	4510.7	4492.3	4455.5	4433.4	4418.7
44.5°	4482.5	4462.9	4428.5	4405.2	4390.5



66.5°	2409.2	2399.4	2381.0	2374.9	2368.8
67°	2349.1	2338.1	2320.9	2314.8	2309.9



89°	35.8	35.2	34.8	36.7	37.1
89.5°	15.8	16.1	15.7	16.8	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	6.1	6.0	5.9	6.3
134.5°	6.4	6.0	6.0	5.6	5.9



156.5°	4.8	4.4	4.5	4.7	4.8
157°	4.7	4.4	4.5	4.5	4.8



179°	5.3	5.1	4.9	5.0	5.3
179.5°	4.7	4.9	4.8	4.7	5.0



(END OF REPORT)