

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-L830-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-L830-CFR2  
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS  
AND 3000K CCT, 80CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No.   Condition   Description

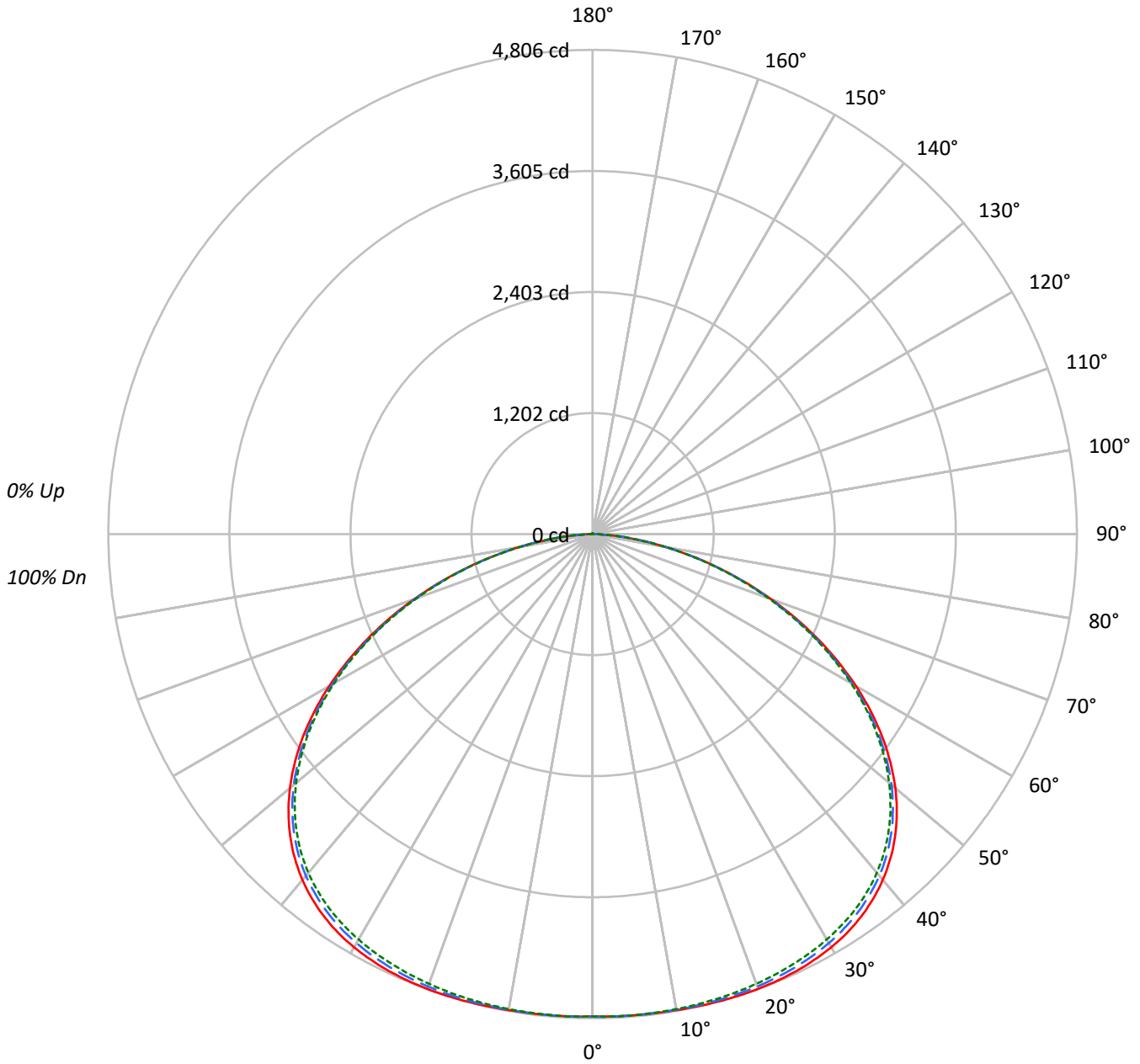
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17342.0 lumens  
Efficiency: N/A  
Efficacy: 118.9 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					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°	3419	3419	3419
5°	3435	3435	3435
10°	3479	3475	3470
15°	3551	3541	3529
20°	3649	3630	3609
25°	3769	3739	3710
30°	3904	3864	3830
35°	4044	3997	3961
40°	4175	4125	4090
45°	4285	4232	4196
50°	4354	4301	4266
55°	4368	4314	4282
60°	4310	4256	4231
65°	4170	4122	4102
70°	3930	3889	3869
75°	3560	3538	3522
80°	3029	3039	3006
85°	2256	2311	2308



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.6	2.6
10°-20°	1357.4	7.8
20°-30°	2194.4	12.7
30°-40°	2874.2	16.6
40°-50°	3232.9	18.6
50°-60°	3093.6	17.8
60°-70°	2412.7	13.9
70°-80°	1359.7	7.8
80°-90°	336.5	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°	4.3	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°	4009.4	23.1
0°-40°	6883.6	39.7
0°-60°	13210.2	76.2
0°-90°	17319.1	99.9
90°-120°	6.7	0.0
90°-150°	19.2	0.1
90°-180°	23.0	0.1
0°-180°	17342.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4789	4789	4789	4789	4789	
5°	4794	4795	4794	4794	4793	458
15°	4804	4803	4792	4781	4775	1362
25°	4785	4776	4747	4720	4710	2211
35°	4640	4625	4586	4558	4545	2905
45°	4244	4225	4191	4171	4156	3269
55°	3509	3490	3466	3451	3440	3128
65°	2468	2459	2440	2433	2429	2437
75°	1291	1291	1283	1280	1277	1368
85°	275	279	282	284	282	319
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	6	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4789.4	4789.4	4789.4	4789.4	4789.4
0.5°	4788.2	4791.7	4792.9	4791.7	4789.4
1°	4789.4	4791.7	4792.9	4792.9	4790.5
1.5°	4790.5	4792.9	4792.9	4792.9	4791.7
2°	4790.5	4792.9	4792.9	4794.0	4791.7
2.5°	4791.7	4794.0	4794.0	4794.0	4791.7
3°	4792.9	4794.0	4794.0	4794.0	4792.9
3.5°	4792.9	4794.0	4794.0	4794.0	4792.9
4°	4794.0	4794.0	4794.0	4794.0	4792.9
4.5°	4794.0	4795.2	4794.0	4794.0	4792.9
5°	4794.0	4795.2	4794.0	4794.0	4792.9
5.5°	4794.0	4795.2	4794.0	4794.0	4792.9
6°	4795.2	4795.2	4794.0	4794.0	4791.7
6.5°	4795.2	4796.4	4795.2	4794.0	4791.7
7°	4795.2	4796.4	4794.0	4794.0	4791.7
7.5°	4795.2	4796.4	4794.0	4792.9	4790.5
8°	4796.4	4796.4	4795.2	4792.9	4790.5
8.5°	4796.4	4797.5	4794.0	4792.9	4789.4
9°	4797.5	4797.5	4795.2	4791.7	4789.4
9.5°	4797.5	4798.7	4794.0	4791.7	4788.2
10°	4798.7	4798.7	4794.0	4790.5	4787.0
10.5°	4799.9	4799.9	4794.0	4790.5	4787.0
11°	4799.9	4799.9	4794.0	4789.4	4785.9
11.5°	4801.0	4801.0	4794.0	4788.2	4784.7
12°	4801.0	4801.0	4794.0	4788.2	4783.5
12.5°	4802.2	4801.0	4792.9	4787.0	4782.3
13°	4802.2	4801.0	4792.9	4785.9	4781.2
13.5°	4803.4	4802.2	4792.9	4784.7	4780.0
14°	4803.4	4802.2	4792.9	4783.5	4777.7
14.5°	4804.5	4802.2	4791.7	4782.3	4776.5
15°	4804.5	4803.4	4791.7	4781.2	4775.3
15.5°	4805.7	4803.4	4790.5	4778.8	4773.0
16°	4804.5	4803.4	4789.4	4777.7	4770.7
16.5°	4805.7	4803.4	4789.4	4775.3	4768.3
17°	4805.7	4802.2	4788.2	4773.0	4767.2
17.5°	4805.7	4802.2	4785.9	4771.8	4764.8
18°	4805.7	4802.2	4784.7	4769.5	4761.3
18.5°	4805.7	4801.0	4783.5	4767.2	4759.0
19°	4804.5	4801.0	4782.3	4764.8	4756.6
19.5°	4804.5	4799.9	4780.0	4761.3	4753.1
20°	4803.4	4798.7	4777.7	4759.0	4750.8
20.5°	4802.2	4797.5	4776.5	4756.6	4747.3
21°	4802.2	4796.4	4774.2	4753.1	4743.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	4797.5	4790.5	4766.0	4742.6	4732.1
23°	4795.2	4788.2	4762.5	4739.1	4728.6
23.5°	4792.9	4785.9	4759.0	4734.5	4723.9
24°	4790.5	4783.5	4755.5	4729.8	4719.3
24.5°	4788.2	4780.0	4752.0	4725.1	4714.6
25°	4784.7	4776.5	4747.3	4720.4	4709.9
25.5°	4781.2	4773.0	4742.6	4715.8	4704.1
26°	4777.7	4769.5	4738.0	4711.1	4699.4
26.5°	4774.2	4764.8	4733.3	4705.3	4693.6
27°	4769.5	4760.2	4727.4	4699.4	4687.7
27.5°	4764.8	4755.5	4721.6	4693.6	4681.9
28°	4760.2	4749.6	4715.8	4687.7	4676.0
28.5°	4754.3	4743.8	4709.9	4680.7	4669.0
29°	4748.5	4738.0	4702.9	4673.7	4662.0
29.5°	4742.6	4730.9	4695.9	4666.7	4653.9
30°	4735.6	4723.9	4687.7	4658.5	4645.7
30.5°	4728.6	4716.9	4679.6	4650.3	4638.7
31°	4720.4	4708.8	4671.4	4642.2	4629.3
31.5°	4713.4	4700.6	4662.0	4634.0	4621.1
32°	4704.1	4691.2	4653.9	4624.6	4611.8
32.5°	4694.7	4681.9	4643.3	4614.1	4601.3
33°	4685.4	4671.4	4632.8	4604.8	4590.8
33.5°	4674.9	4660.9	4622.3	4594.3	4580.3
34°	4663.2	4649.2	4610.6	4582.6	4569.7
34.5°	4651.5	4637.5	4599.0	4570.9	4558.1
35°	4639.8	4624.6	4586.1	4558.1	4545.2
35.5°	4627.0	4611.8	4573.3	4545.2	4532.4
36°	4614.1	4597.8	4559.2	4532.4	4518.3
36.5°	4599.0	4583.8	4545.2	4518.3	4505.5
37°	4583.8	4568.6	4530.0	4503.2	4490.3
37.5°	4568.6	4552.2	4514.8	4488.0	4474.0
38°	4552.2	4537.0	4498.5	4472.8	4458.8
38.5°	4535.9	4519.5	4481.0	4455.3	4442.4
39°	4518.3	4500.8	4463.4	4438.9	4424.9
39.5°	4499.7	4482.1	4445.9	4420.2	4407.4
40°	4479.8	4463.4	4426.1	4401.5	4388.7
40.5°	4461.1	4443.6	4406.2	4382.8	4368.8
41°	4440.1	4422.6	4386.3	4361.8	4347.8
41.5°	4417.9	4400.4	4364.2	4340.8	4326.8
42°	4395.7	4378.2	4342.0	4319.8	4304.6
42.5°	4372.3	4354.8	4318.6	4296.4	4282.4
43°	4349.0	4330.3	4295.2	4273.0	4259.0
43.5°	4324.4	4305.7	4270.7	4248.5	4234.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	4243.8	4225.1	4191.3	4171.4	4156.2
45.5°	4215.8	4195.9	4163.2	4143.4	4129.4
46°	4186.6	4166.7	4134.0	4114.2	4100.2
46.5°	4156.2	4136.4	4104.8	4085.0	4071.0
47°	4124.7	4106.0	4073.3	4055.8	4040.6
47.5°	4093.1	4073.3	4041.7	4024.2	4009.0
48°	4061.6	4040.6	4010.2	3991.5	3976.3
48.5°	4027.7	4007.9	3977.5	3960.0	3946.0
49°	3991.5	3972.8	3942.5	3923.8	3910.9
49.5°	3956.5	3937.8	3907.4	3889.9	3875.9
50°	3920.3	3900.4	3872.4	3854.8	3840.8
50.5°	3882.9	3863.0	3835.0	3817.5	3804.6
51°	3845.5	3825.6	3797.6	3780.1	3766.1
51.5°	3805.8	3785.9	3757.9	3741.5	3728.7
52°	3766.1	3746.2	3718.2	3703.0	3690.1
52.5°	3726.4	3706.5	3678.5	3662.1	3650.4
53°	3683.1	3664.4	3638.7	3623.6	3610.7
53.5°	3639.9	3621.2	3595.5	3580.3	3568.7
54°	3596.7	3578.0	3552.3	3537.1	3526.6
54.5°	3554.6	3534.8	3510.2	3495.1	3484.5
55°	3509.1	3490.4	3465.9	3450.7	3440.2
55.5°	3463.5	3444.8	3420.3	3405.1	3395.8
56°	3415.6	3398.1	3373.6	3360.7	3351.4
56.5°	3367.7	3351.4	3326.9	3314.0	3304.7
57°	3321.0	3303.5	3280.1	3268.4	3259.1
57.5°	3274.3	3255.6	3232.2	3220.6	3211.2
58°	3222.9	3205.4	3183.2	3171.5	3163.3
58.5°	3172.7	3156.3	3132.9	3122.4	3114.3
59°	3122.4	3106.1	3083.9	3073.4	3065.2
59.5°	3069.9	3054.7	3032.5	3022.0	3013.8
60°	3018.5	3002.1	2981.1	2971.7	2963.6
60.5°	2965.9	2951.9	2929.7	2920.3	2912.2
61°	2912.2	2898.1	2877.1	2867.8	2859.6
61.5°	2857.3	2845.6	2824.6	2815.2	2808.2
62°	2803.5	2791.8	2770.8	2762.6	2755.6
62.5°	2748.6	2736.9	2715.9	2707.7	2700.7
63°	2693.7	2682.0	2662.2	2654.0	2647.0
63.5°	2637.7	2626.0	2607.3	2599.1	2592.1
64°	2581.6	2569.9	2550.0	2544.2	2536.0
64.5°	2525.5	2513.8	2494.0	2488.1	2481.1
65°	2468.3	2458.9	2440.2	2433.2	2428.6
65.5°	2412.2	2400.5	2383.0	2377.2	2370.1
66°	2352.6	2343.3	2325.8	2319.9	2315.2





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	2179.7	2169.2	2154.0	2148.2	2142.4
68°	2120.2	2110.8	2095.6	2091.0	2085.1
68.5°	2060.6	2051.2	2036.1	2032.6	2029.1
69°	2001.0	1991.7	1978.8	1975.3	1970.6
69.5°	1942.6	1933.3	1921.6	1918.1	1912.2
70°	1883.0	1874.9	1863.2	1859.7	1853.8
70.5°	1823.5	1815.3	1804.8	1801.3	1795.4
71°	1763.9	1756.9	1747.5	1742.9	1737.0
71.5°	1705.5	1698.5	1688.0	1684.5	1679.8
72°	1645.9	1640.1	1629.5	1627.2	1621.4
72.5°	1586.3	1581.7	1571.1	1568.8	1564.1
73°	1526.8	1522.1	1511.6	1509.2	1505.7
73.5°	1468.3	1463.7	1454.3	1450.8	1447.3
74°	1409.9	1406.4	1397.1	1394.8	1390.1
74.5°	1350.4	1348.0	1339.9	1336.3	1332.8
75°	1290.8	1290.8	1282.6	1280.3	1276.8
75.5°	1233.6	1233.6	1225.4	1223.0	1219.5
76°	1176.3	1176.3	1168.1	1165.9	1161.2
76.5°	1118.5	1119.0	1112.1	1109.6	1105.8
77°	1063.1	1063.6	1057.4	1054.2	1050.4
77.5°	1003.9	1006.7	1001.6	998.8	994.9
78°	948.6	952.1	946.9	944.7	941.4
78.5°	896.5	898.8	895.4	892.7	888.1
79°	842.0	843.7	841.5	839.2	834.7
79.5°	788.3	791.2	789.7	787.6	782.4
80°	736.7	738.8	739.2	736.0	731.3
80.5°	682.5	686.9	687.6	684.4	682.0
81°	632.4	636.5	637.7	635.8	632.5
81.5°	583.1	587.9	589.0	587.9	583.7
82°	533.7	539.6	541.3	540.5	535.8
82.5°	486.5	493.1	494.9	494.2	489.9
83°	440.7	447.9	449.6	450.2	446.2
83.5°	396.5	403.2	405.5	406.2	401.8
84°	353.9	360.0	362.8	364.0	360.4
84.5°	313.5	318.4	321.8	323.3	321.6
85°	275.4	279.0	282.1	284.2	281.8
85.5°	238.5	241.3	243.7	246.9	245.0
86°	204.2	207.0	208.6	211.2	211.2
86.5°	171.5	172.8	174.1	177.1	177.1
87°	140.2	140.3	140.8	144.6	144.7
87.5°	108.2	109.1	109.6	113.0	114.1
88°	76.3	79.0	79.7	82.8	82.6
88.5°	54.0	54.0	53.9	57.0	57.7



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**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-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	2.9	3.0	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	3.7	3.6	3.4
116°	3.7	3.9	3.9	3.7	3.6
116.5°	4.0	4.0	4.0	4.0	3.9
117°	4.2	4.2	4.2	4.2	3.7
117.5°	4.4	4.2	4.3	4.2	4.0
118°	4.4	4.3	4.6	4.3	4.1
118.5°	4.8	4.6	4.6	4.4	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°	5.1	5.1	5.0	4.9	5.0
120.5°	5.3	5.0	5.3	5.1	5.0
121°	5.3	5.3	5.3	5.3	5.0
121.5°	5.8	5.6	5.5	5.3	5.3
122°	5.5	5.8	5.6	5.5	5.6
122.5°	6.0	5.8	5.7	5.7	5.5
123°	6.1	6.1	5.8	5.8	5.7
123.5°	6.1	6.3	6.0	5.7	6.0
124°	6.2	6.3	6.2	6.0	6.0
124.5°	6.5	6.3	6.2	6.1	6.1
125°	6.8	6.5	6.4	6.3	6.3
125.5°	6.8	6.7	6.4	6.3	6.4
126°	6.8	6.5	6.4	6.4	6.3
126.5°	6.5	6.7	6.8	6.4	6.5
127°	6.8	6.8	6.5	6.4	6.3
127.5°	7.0	6.9	6.8	6.4	6.3
128°	7.0	6.7	6.7	6.4	6.5
128.5°	6.8	6.8	6.5	6.3	6.5
129°	6.7	6.7	6.5	6.4	6.3
129.5°	6.5	6.7	6.5	6.4	6.4
130°	6.5	6.7	6.4	6.2	6.3
130.5°	6.8	6.5	6.5	6.0	6.3
131°	6.4	6.4	6.4	6.1	6.2
131.5°	6.5	6.3	6.1	6.0	6.1
132°	6.4	6.2	6.2	6.0	6.0
132.5°	6.4	6.2	6.1	6.0	6.1
133°	6.2	6.0	6.0	5.6	5.8
133.5°	6.3	6.0	5.7	5.5	5.8



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	6.1	5.7	5.5	5.4	5.8
135.5°	5.7	5.8	5.5	5.3	5.6
136°	5.6	5.5	5.3	5.0	5.6
136.5°	5.7	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	5.1	4.8	5.1
138°	5.4	5.1	4.9	4.8	5.1
138.5°	5.5	5.1	5.0	4.7	5.0
139°	4.8	5.0	4.9	4.4	5.1
139.5°	5.1	4.8	4.7	4.6	5.0
140°	5.0	4.7	4.8	4.4	4.7
140.5°	5.0	4.7	4.7	4.4	4.7
141°	4.8	4.7	4.6	4.2	4.4
141.5°	4.4	4.7	4.7	4.2	4.4
142°	4.3	4.3	4.6	4.3	4.1
142.5°	4.3	4.6	4.4	4.2	4.1
143°	4.6	4.4	4.4	4.3	4.1
143.5°	4.6	4.4	4.4	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°	4.4	4.2	4.3	3.9	4.2
145.5°	4.3	4.1	4.2	3.9	4.4
146°	4.3	4.1	4.0	3.9	4.2
146.5°	4.4	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°	4.4	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	4.4
150°	4.4	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°	4.4	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°	4.4	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	4.4	4.7
155°	4.3	4.3	4.3	4.4	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-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	4.3	4.1	4.2	4.4	4.6
158°	4.7	4.3	4.2	4.3	4.7
158.5°	4.4	4.3	4.1	4.3	4.6
159°	4.6	4.3	4.2	4.3	4.8
159.5°	4.4	4.2	4.2	4.3	4.9
160°	4.4	4.3	4.1	4.3	4.7
160.5°	4.3	4.2	4.2	4.4	4.7
161°	4.3	4.2	4.2	4.4	4.7
161.5°	4.4	4.3	4.2	4.2	4.4
162°	4.3	4.2	4.3	4.4	4.4
162.5°	4.6	4.4	4.3	4.3	4.6
163°	4.6	4.3	4.4	4.4	4.4
163.5°	4.4	4.3	4.4	4.4	4.8
164°	4.3	4.4	4.3	4.7	4.7
164.5°	4.2	4.6	4.4	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°	4.4	4.4	4.3	4.7	4.6
166.5°	4.4	4.3	4.2	4.8	4.3
167°	4.3	4.7	4.3	4.9	4.8
167.5°	4.4	4.7	4.4	5.0	4.8
168°	4.6	4.6	4.3	4.9	4.7
168.5°	4.4	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	4.4	5.1	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	5.1
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	5.1
173.5°	5.0	4.9	5.1	5.3	5.3
174°	5.1	5.1	5.5	5.4	5.1
174.5°	5.1	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	5.7	5.5	5.5
176°	5.7	5.6	5.5	5.4	5.4
176.5°	5.8	5.5	5.6	5.1	5.4
177°	5.6	5.5	5.3	5.1	5.4
177.5°	5.7	5.5	5.1	5.0	5.5
178°	5.4	5.3	5.0	5.0	5.1
178.5°	5.3	5.1	4.9	4.9	4.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L830-CFR2

**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°	4801.0	4795.2	4771.8	4749.6	4740.3
22°	4798.7	4792.9	4768.3	4746.1	4736.8



44°	4297.6	4280.0	4245.0	4224.0	4210.0
44.5°	4270.7	4252.0	4219.3	4197.1	4183.1



66.5°	2295.4	2286.0	2268.5	2262.7	2256.8
67°	2238.1	2227.6	2211.3	2205.4	2200.8



89°	34.1	33.5	33.2	34.9	35.4
89.5°	15.1	15.3	15.0	16.0	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	5.8	5.7	5.6	6.0
134.5°	6.1	5.7	5.7	5.4	5.6



156.5°	4.6	4.2	4.3	4.4	4.6
157°	4.4	4.2	4.3	4.3	4.6



179°	5.0	4.9	4.7	4.8	5.0
179.5°	4.4	4.7	4.6	4.4	4.8



(END OF REPORT)