

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-L950-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**

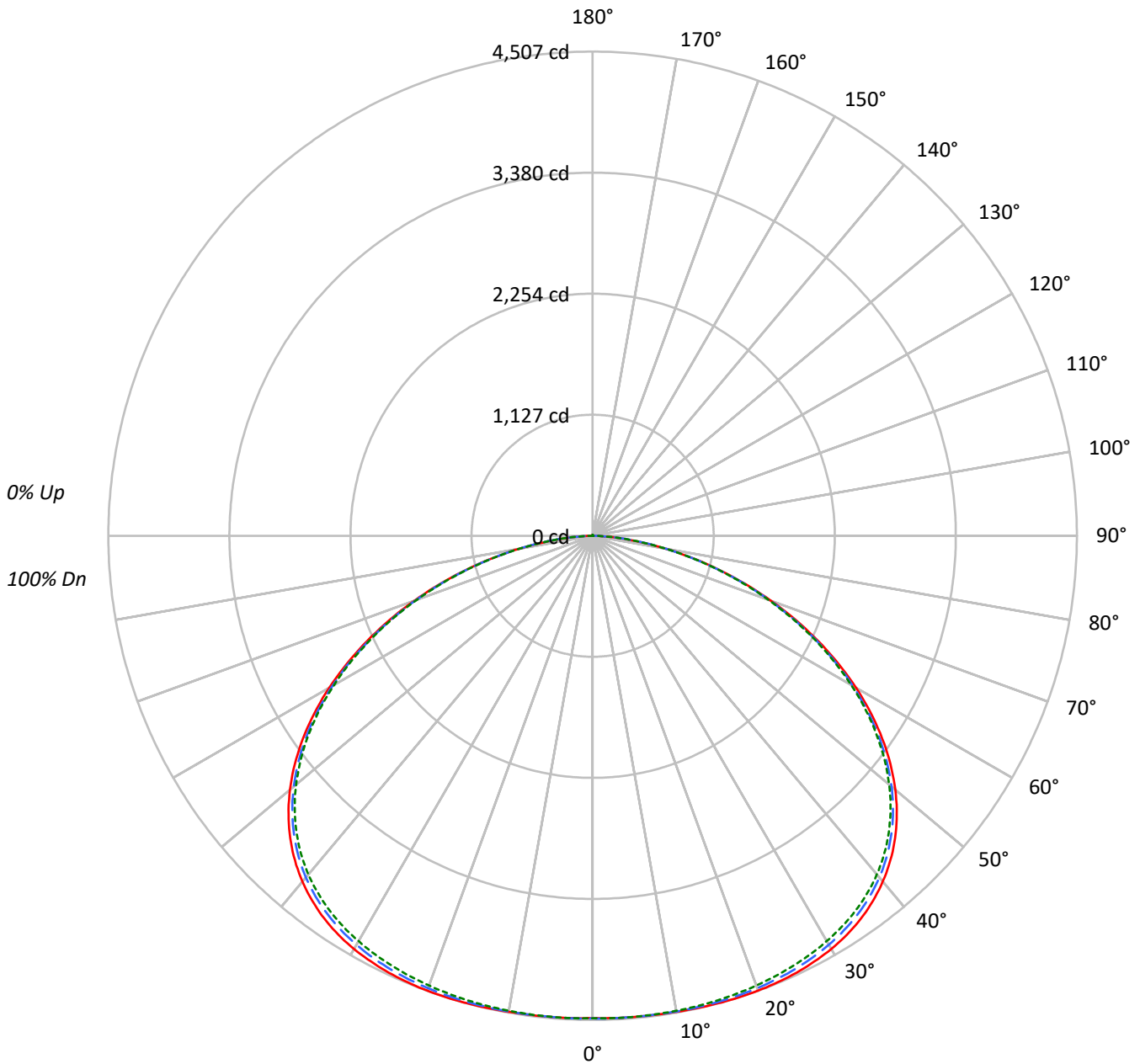
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-180-L950-CFR2  
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS  
AND 5000K CCT, 90CRI LEDS  
Light Source: -  
Ballast/Driver:  
Luminaire Equipment: Sample No. Condition Description

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16264.0 lumens  
Efficiency: N/A  
Efficacy: 111.6 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-L950-CFR2

### Luminous Intensity Polar Plot





TEST NUMBER: P#

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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°	3207	3207	3207
5°	3222	3222	3221
10°	3262	3259	3254
15°	3330	3321	3310
20°	3422	3404	3385
25°	3535	3507	3479
30°	3661	3624	3592
35°	3792	3748	3715
40°	3915	3868	3836
45°	4018	3968	3935
50°	4083	4033	4001
55°	4096	4046	4016
60°	4042	3992	3968
65°	3910	3866	3847
70°	3686	3647	3629
75°	3339	3318	3303
80°	2840	2850	2819
85°	2116	2167	2164



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.2	2.6
10°-20°	1273.1	7.8
20°-30°	2058.0	12.7
30°-40°	2695.5	16.6
40°-50°	3032.0	18.6
50°-60°	2901.3	17.8
60°-70°	2262.8	13.9
70°-80°	1275.2	7.8
80°-90°	315.5	1.9
90°-100°	1.1	0.0
100°-110°	1.8	0.0
110°-120°	3.3	0.0
120°-130°	5.1	0.0
130°-140°	4.1	0.0
140°-150°	2.5	0.0
150°-160°	1.9	0.0
160°-170°	1.2	0.0
170°-180°	0.5	0.0
0°-30°	3760.2	23.1
0°-40°	6455.8	39.7
0°-60°	12389.0	76.2
0°-90°	16242.5	99.9
90°-120°	6.3	0.0
90°-150°	18.0	0.1
90°-180°	22.0	0.1
0°-180°	16264.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4492	4492	4492	4492	4492	
5°	4496	4497	4496	4496	4495	429
15°	4506	4505	4494	4484	4478	1277
25°	4487	4480	4452	4427	4417	2074
35°	4351	4337	4301	4275	4263	2724
45°	3980	3962	3931	3912	3898	3066
55°	3291	3273	3250	3236	3226	2933
65°	2315	2306	2288	2282	2278	2285
75°	1211	1211	1203	1201	1197	1283
85°	258	262	265	266	264	300
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°	6	5	5	5	6	4
145°	4	4	4	4	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°	4491.6	4491.6	4491.6	4491.6	4491.6
0.5°	4490.5	4493.8	4494.9	4493.8	4491.6
1°	4491.6	4493.8	4494.9	4494.9	4492.7
1.5°	4492.7	4494.9	4494.9	4494.9	4493.8
2°	4492.7	4494.9	4494.9	4496.0	4493.8
2.5°	4493.8	4496.0	4496.0	4496.0	4493.8
3°	4494.9	4496.0	4496.0	4496.0	4494.9
3.5°	4494.9	4496.0	4496.0	4496.0	4494.9
4°	4496.0	4496.0	4496.0	4496.0	4494.9
4.5°	4496.0	4497.1	4496.0	4496.0	4494.9
5°	4496.0	4497.1	4496.0	4496.0	4494.9
5.5°	4496.0	4497.1	4496.0	4496.0	4494.9
6°	4497.1	4497.1	4496.0	4496.0	4493.8
6.5°	4497.1	4498.2	4497.1	4496.0	4493.8
7°	4497.1	4498.2	4496.0	4496.0	4493.8
7.5°	4497.1	4498.2	4496.0	4494.9	4492.7
8°	4498.2	4498.2	4497.1	4494.9	4492.7
8.5°	4498.2	4499.3	4496.0	4494.9	4491.6
9°	4499.3	4499.3	4497.1	4493.8	4491.6
9.5°	4499.3	4500.4	4496.0	4493.8	4490.5
10°	4500.4	4500.4	4496.0	4492.7	4489.5
10.5°	4501.5	4501.5	4496.0	4492.7	4489.5
11°	4501.5	4501.5	4496.0	4491.6	4488.4
11.5°	4502.6	4502.6	4496.0	4490.5	4487.3
12°	4502.6	4502.6	4496.0	4490.5	4486.2
12.5°	4503.7	4502.6	4494.9	4489.5	4485.1
13°	4503.7	4502.6	4494.9	4488.4	4484.0
13.5°	4504.8	4503.7	4494.9	4487.3	4482.9
14°	4504.8	4503.7	4494.9	4486.2	4480.7
14.5°	4505.9	4503.7	4493.8	4485.1	4479.6
15°	4505.9	4504.8	4493.8	4484.0	4478.5
15.5°	4507.0	4504.8	4492.7	4481.8	4476.3
16°	4505.9	4504.8	4491.6	4480.7	4474.1
16.5°	4507.0	4504.8	4491.6	4478.5	4471.9
17°	4507.0	4503.7	4490.5	4476.3	4470.8
17.5°	4507.0	4503.7	4488.4	4475.2	4468.6
18°	4507.0	4503.7	4487.3	4473.0	4465.4
18.5°	4507.0	4502.6	4486.2	4470.8	4463.2
19°	4505.9	4502.6	4485.1	4468.6	4461.0
19.5°	4505.9	4501.5	4482.9	4465.4	4457.7
20°	4504.8	4500.4	4480.7	4463.2	4455.5
20.5°	4503.7	4499.3	4479.6	4461.0	4452.2
21°	4503.7	4498.2	4477.4	4457.7	4448.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	4499.3	4492.7	4469.7	4447.8	4438.0
23°	4497.1	4490.5	4466.4	4444.5	4434.7
23.5°	4494.9	4488.4	4463.2	4440.2	4430.3
24°	4492.7	4486.2	4459.9	4435.8	4425.9
24.5°	4490.5	4482.9	4456.6	4431.4	4421.5
25°	4487.3	4479.6	4452.2	4427.0	4417.1
25.5°	4484.0	4476.3	4447.8	4422.6	4411.7
26°	4480.7	4473.0	4443.4	4418.2	4407.3
26.5°	4477.4	4468.6	4439.1	4412.8	4401.8
27°	4473.0	4464.3	4433.6	4407.3	4396.3
27.5°	4468.6	4459.9	4428.1	4401.8	4390.9
28°	4464.3	4454.4	4422.6	4396.3	4385.4
28.5°	4458.8	4448.9	4417.1	4389.8	4378.8
29°	4453.3	4443.4	4410.6	4383.2	4372.2
29.5°	4447.8	4436.9	4404.0	4376.6	4364.6
30°	4441.3	4430.3	4396.3	4368.9	4356.9
30.5°	4434.7	4423.7	4388.7	4361.3	4350.3
31°	4427.0	4416.1	4381.0	4353.6	4341.6
31.5°	4420.4	4408.4	4372.2	4345.9	4333.9
32°	4411.7	4399.6	4364.6	4337.2	4325.1
32.5°	4402.9	4390.9	4354.7	4327.3	4315.3
33°	4394.1	4381.0	4344.8	4318.6	4305.4
33.5°	4384.3	4371.1	4335.0	4308.7	4295.5
34°	4373.3	4360.2	4324.0	4297.7	4285.7
34.5°	4362.4	4349.2	4313.1	4286.8	4274.7
35°	4351.4	4337.2	4301.0	4274.7	4262.7
35.5°	4339.4	4325.1	4289.0	4262.7	4250.6
36°	4327.3	4312.0	4275.8	4250.6	4237.5
36.5°	4313.1	4298.8	4262.7	4237.5	4225.4
37°	4298.8	4284.6	4248.4	4223.2	4211.2
37.5°	4284.6	4269.3	4234.2	4209.0	4195.9
38°	4269.3	4255.0	4218.9	4194.8	4181.6
38.5°	4253.9	4238.6	4202.4	4178.3	4166.3
39°	4237.5	4221.1	4186.0	4163.0	4149.8
39.5°	4220.0	4203.5	4169.6	4145.5	4133.4
40°	4201.3	4186.0	4150.9	4127.9	4115.9
40.5°	4183.8	4167.4	4132.3	4110.4	4097.3
41°	4164.1	4147.7	4113.7	4090.7	4077.5
41.5°	4143.3	4126.8	4092.9	4071.0	4057.8
42°	4122.5	4106.0	4072.1	4051.2	4037.0
42.5°	4100.5	4084.1	4050.1	4029.3	4016.2
43°	4078.6	4061.1	4028.2	4007.4	3994.3
43.5°	4055.6	4038.1	4005.2	3984.4	3971.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	3980.0	3962.5	3930.7	3912.1	3897.9
45.5°	3953.7	3935.1	3904.4	3885.8	3872.7
46°	3926.4	3907.7	3877.1	3858.4	3845.3
46.5°	3897.9	3879.2	3849.7	3831.0	3817.9
47°	3868.3	3850.8	3820.1	3803.7	3789.4
47.5°	3838.7	3820.1	3790.5	3774.1	3759.8
48°	3809.1	3789.4	3760.9	3743.4	3729.2
48.5°	3777.4	3758.7	3730.3	3713.8	3700.7
49°	3743.4	3725.9	3697.4	3679.9	3667.8
49.5°	3710.5	3693.0	3664.5	3648.1	3634.9
50°	3676.6	3658.0	3631.7	3615.2	3602.1
50.5°	3641.5	3622.9	3596.6	3580.2	3568.1
51°	3606.5	3587.8	3561.5	3545.1	3532.0
51.5°	3569.2	3550.6	3524.3	3509.0	3496.9
52°	3532.0	3513.3	3487.0	3472.8	3460.8
52.5°	3494.7	3476.1	3449.8	3434.5	3423.5
53°	3454.2	3436.7	3412.6	3398.3	3386.3
53.5°	3413.6	3396.1	3372.0	3357.8	3346.8
54°	3373.1	3355.6	3331.5	3317.2	3307.4
54.5°	3333.7	3315.1	3292.0	3277.8	3267.9
55°	3291.0	3273.4	3250.4	3236.2	3226.3
55.5°	3248.2	3230.7	3207.7	3193.4	3184.7
56°	3203.3	3186.9	3163.9	3151.8	3143.1
56.5°	3158.4	3143.1	3120.0	3108.0	3099.2
57°	3114.6	3098.1	3076.2	3065.3	3056.5
57.5°	3070.8	3053.2	3031.3	3020.4	3011.6
58°	3022.5	3006.1	2985.3	2974.3	2966.7
58.5°	2975.4	2960.1	2938.2	2928.3	2920.7
59°	2928.3	2913.0	2892.2	2882.3	2874.7
59.5°	2879.0	2864.8	2844.0	2834.1	2826.4
60°	2830.8	2815.5	2795.8	2787.0	2779.3
60.5°	2781.5	2768.4	2747.6	2738.8	2731.1
61°	2731.1	2718.0	2698.3	2689.5	2681.8
61.5°	2679.6	2668.7	2649.0	2640.2	2633.6
62°	2629.3	2618.3	2598.6	2590.9	2584.3
62.5°	2577.8	2566.8	2547.1	2539.4	2532.8
63°	2526.3	2515.3	2496.7	2489.0	2482.5
63.5°	2473.7	2462.7	2445.2	2437.5	2431.0
64°	2421.1	2410.2	2391.5	2386.0	2378.4
64.5°	2368.5	2357.6	2338.9	2333.5	2326.9
65°	2314.8	2306.1	2288.5	2282.0	2277.6
65.5°	2262.3	2251.3	2234.9	2229.4	2222.8
66°	2206.4	2197.6	2181.2	2175.7	2171.3





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	2044.2	2034.4	2020.1	2014.7	2009.2
68°	1988.4	1979.6	1965.4	1961.0	1955.5
68.5°	1932.5	1923.7	1909.5	1906.2	1902.9
69°	1876.6	1867.9	1855.8	1852.5	1848.1
69.5°	1821.9	1813.1	1802.1	1798.8	1793.4
70°	1766.0	1758.3	1747.4	1744.1	1738.6
70.5°	1710.1	1702.4	1692.6	1689.3	1683.8
71°	1654.2	1647.7	1638.9	1634.5	1629.0
71.5°	1599.5	1592.9	1583.0	1579.7	1575.4
72°	1543.6	1538.1	1528.3	1526.1	1520.6
72.5°	1487.7	1483.3	1473.5	1471.3	1466.9
73°	1431.8	1427.5	1417.6	1415.4	1412.1
73.5°	1377.1	1372.7	1363.9	1360.6	1357.4
74°	1322.3	1319.0	1310.2	1308.1	1303.7
74.5°	1266.4	1264.2	1256.6	1253.3	1250.0
75°	1210.6	1210.6	1202.9	1200.7	1197.4
75.5°	1156.9	1156.9	1149.2	1147.0	1143.7
76°	1103.2	1103.2	1095.5	1093.4	1089.1
76.5°	1049.0	1049.4	1042.9	1040.6	1037.0
77°	997.0	997.5	991.7	988.7	985.1
77.5°	941.5	944.1	939.3	936.7	933.1
78°	889.7	893.0	888.0	885.9	882.9
78.5°	840.8	842.9	839.7	837.2	832.9
79°	789.7	791.3	789.2	787.0	782.9
79.5°	739.3	742.0	740.6	738.6	733.8
80°	690.9	692.9	693.2	690.3	685.8
80.5°	640.1	644.2	644.8	641.9	639.6
81°	593.1	597.0	598.0	596.3	593.2
81.5°	546.9	551.4	552.4	551.4	547.4
82°	500.5	506.0	507.7	506.9	502.5
82.5°	456.3	462.4	464.2	463.5	459.5
83°	413.3	420.0	421.7	422.2	418.5
83.5°	371.8	378.2	380.3	380.9	376.9
84°	331.9	337.6	340.3	341.4	338.0
84.5°	294.0	298.6	301.8	303.2	301.6
85°	258.3	261.6	264.6	266.5	264.2
85.5°	223.7	226.3	228.5	231.6	229.7
86°	191.5	194.1	195.7	198.1	198.1
86.5°	160.8	162.0	163.2	166.1	166.1
87°	131.5	131.6	132.0	135.6	135.7
87.5°	101.4	102.3	102.8	105.9	107.0
88°	71.5	74.1	74.7	77.7	77.5
88.5°	50.6	50.6	50.5	53.5	54.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.4	2.3	2.4	2.5	2.3
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°	1.0	0.8	0.9	0.7	0.5
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°	1.0	0.8	0.9	0.9	1.0
94°	1.0	0.9	1.0	0.9	1.1
94.5°	1.0	1.0	0.9	1.0	1.0
95°	1.0	0.8	1.0	0.9	1.1
95.5°	0.9	1.0	1.1	1.0	1.1
96°	1.2	1.2	1.0	1.0	1.1
96.5°	1.2	1.1	1.1	1.0	1.1
97°	1.2	1.1	1.2	1.0	1.3
97.5°	1.3	1.1	1.1	1.0	1.3
98°	1.4	1.2	1.2	1.2	1.4
98.5°	1.4	1.2	1.1	1.1	1.3
99°	1.3	1.3	1.2	1.1	1.2
99.5°	1.4	1.1	1.3	1.2	1.2
100°	1.4	1.3	1.3	1.3	1.4
100.5°	1.4	1.4	1.3	1.4	1.4
101°	1.5	1.3	1.3	1.3	1.3
101.5°	1.6	1.3	1.4	1.4	1.5
102°	1.8	1.4	1.5	1.4	1.5
102.5°	1.5	1.4	1.4	1.5	1.5
103°	1.5	1.3	1.5	1.4	1.5
103.5°	1.6	1.6	1.5	1.5	1.4
104°	1.9	1.6	1.6	1.5	1.4
104.5°	1.6	1.8	1.8	1.8	1.5
105°	2.0	1.8	1.6	1.9	1.9
105.5°	1.9	1.5	1.8	1.6	1.6
106°	1.8	1.8	1.9	1.9	2.0
106.5°	2.0	1.8	1.9	1.8	1.6
107°	1.9	1.9	2.0	2.0	1.8
107.5°	2.1	1.9	2.0	2.1	2.0
108°	2.1	1.9	1.8	2.1	1.9
108.5°	2.1	2.1	2.1	2.0	1.9
109°	2.2	2.1	2.1	2.1	2.2
109.5°	2.3	2.0	2.3	2.2	2.0
110°	2.2	2.2	2.2	2.3	2.2
110.5°	2.3	2.2	2.3	2.3	2.4
111°	2.3	2.4	2.4	2.4	2.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	2.7	2.8	2.7	2.5
113°	3.0	2.6	2.6	2.7	2.7
113.5°	3.0	3.0	3.0	3.1	3.1
114°	3.1	3.1	3.2	3.2	3.1
114.5°	3.3	3.3	3.2	3.2	3.0
115°	3.3	3.3	3.2	3.3	3.2
115.5°	3.6	3.3	3.5	3.4	3.2
116°	3.5	3.6	3.6	3.5	3.4
116.5°	3.7	3.7	3.7	3.7	3.6
117°	3.9	3.9	3.9	3.9	3.5
117.5°	4.2	3.9	4.1	3.9	3.7
118°	4.2	4.1	4.3	4.1	3.8
118.5°	4.5	4.3	4.3	4.2	4.1
119°	4.5	4.5	4.6	4.3	4.3
119.5°	4.6	4.6	4.6	4.5	4.4
120°	4.8	4.8	4.7	4.6	4.7
120.5°	4.9	4.7	4.9	4.8	4.7
121°	4.9	4.9	4.9	4.9	4.7
121.5°	5.5	5.3	5.1	4.9	4.9
122°	5.1	5.5	5.3	5.1	5.3
122.5°	5.6	5.5	5.4	5.4	5.1
123°	5.7	5.7	5.5	5.5	5.4
123.5°	5.7	5.9	5.6	5.4	5.6
124°	5.8	5.9	5.8	5.6	5.6
124.5°	6.1	5.9	5.8	5.7	5.7
125°	6.4	6.1	6.0	5.9	5.9
125.5°	6.4	6.2	6.0	5.9	6.0
126°	6.4	6.1	6.0	6.0	5.9
126.5°	6.1	6.2	6.4	6.0	6.1
127°	6.4	6.4	6.1	6.0	5.9
127.5°	6.6	6.5	6.4	6.0	5.9
128°	6.6	6.2	6.2	6.0	6.1
128.5°	6.4	6.4	6.1	5.9	6.1
129°	6.2	6.2	6.1	6.0	5.9
129.5°	6.1	6.2	6.1	6.0	6.0
130°	6.1	6.2	6.0	5.8	5.9
130.5°	6.4	6.1	6.1	5.6	5.9
131°	6.0	6.0	6.0	5.7	5.8
131.5°	6.1	5.9	5.7	5.6	5.7
132°	6.0	5.8	5.8	5.6	5.6
132.5°	6.0	5.8	5.7	5.6	5.7
133°	5.8	5.6	5.6	5.3	5.5
133.5°	5.9	5.6	5.4	5.1	5.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	5.7	5.4	5.1	5.0	5.5
135.5°	5.4	5.5	5.1	4.9	5.3
136°	5.3	5.1	4.9	4.7	5.3
136.5°	5.4	5.1	4.9	4.7	5.1
137°	5.3	5.0	4.9	4.7	5.0
137.5°	5.1	4.9	4.8	4.5	4.8
138°	5.0	4.8	4.6	4.5	4.8
138.5°	5.1	4.8	4.7	4.4	4.7
139°	4.5	4.7	4.6	4.2	4.8
139.5°	4.8	4.5	4.4	4.3	4.7
140°	4.7	4.4	4.5	4.2	4.4
140.5°	4.7	4.4	4.4	4.2	4.4
141°	4.5	4.4	4.3	3.9	4.2
141.5°	4.2	4.4	4.4	3.9	4.2
142°	4.1	4.1	4.3	4.1	3.8
142.5°	4.1	4.3	4.2	3.9	3.8
143°	4.3	4.2	4.2	4.1	3.8
143.5°	4.3	4.2	4.2	3.8	3.8
144°	4.3	3.9	4.3	3.7	3.9
144.5°	4.1	3.9	4.1	3.8	3.9
145°	4.2	3.9	4.1	3.6	3.9
145.5°	4.1	3.8	3.9	3.6	4.2
146°	4.1	3.8	3.7	3.6	3.9
146.5°	4.2	3.8	3.7	3.6	3.9
147°	4.1	3.8	3.6	3.7	3.7
147.5°	3.9	3.8	3.6	3.7	4.1
148°	4.1	3.8	3.7	3.6	4.1
148.5°	4.2	3.9	3.7	3.6	4.1
149°	4.1	3.8	3.7	3.6	4.1
149.5°	4.3	3.7	3.7	3.6	4.2
150°	4.2	3.9	3.7	3.6	4.1
150.5°	4.1	3.8	3.7	3.7	4.1
151°	4.3	3.8	3.6	3.7	4.3
151.5°	4.2	3.9	3.6	3.7	4.3
152°	4.3	3.9	3.8	3.9	4.1
152.5°	4.3	4.1	3.7	3.8	4.3
153°	4.2	3.9	3.8	4.1	4.4
153.5°	4.5	4.1	3.7	3.9	4.3
154°	4.3	4.1	3.9	3.9	4.3
154.5°	4.3	3.9	3.9	4.2	4.4
155°	4.1	4.1	4.1	4.2	4.5
155.5°	4.3	3.9	3.9	4.1	4.4
156°	4.1	4.1	4.1	4.1	4.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	4.1	3.8	3.9	4.2	4.3
158°	4.4	4.1	3.9	4.1	4.4
158.5°	4.2	4.1	3.8	4.1	4.3
159°	4.3	4.1	3.9	4.1	4.5
159.5°	4.2	3.9	3.9	4.1	4.6
160°	4.2	4.1	3.8	4.1	4.4
160.5°	4.1	3.9	3.9	4.2	4.4
161°	4.1	3.9	3.9	4.2	4.4
161.5°	4.2	4.1	3.9	3.9	4.2
162°	4.1	3.9	4.1	4.2	4.2
162.5°	4.3	4.2	4.1	4.1	4.3
163°	4.3	4.1	4.2	4.2	4.2
163.5°	4.2	4.1	4.2	4.2	4.5
164°	4.1	4.2	4.1	4.4	4.4
164.5°	3.9	4.3	4.2	4.4	4.5
165°	4.1	4.1	3.9	4.3	4.4
165.5°	3.8	4.1	3.9	4.6	4.4
166°	4.2	4.2	4.1	4.4	4.3
166.5°	4.2	4.1	3.9	4.5	4.1
167°	4.1	4.4	4.1	4.6	4.5
167.5°	4.2	4.4	4.2	4.7	4.5
168°	4.3	4.3	4.1	4.6	4.4
168.5°	4.2	4.5	4.3	4.9	4.5
169°	4.5	4.4	4.1	4.9	4.5
169.5°	4.4	4.4	4.2	4.8	4.6
170°	4.5	4.4	4.3	4.9	4.5
170.5°	4.5	4.6	4.3	4.9	4.7
171°	4.5	4.5	4.5	4.9	4.8
171.5°	4.4	4.5	4.5	5.0	4.6
172°	4.4	4.5	4.6	5.0	4.7
172.5°	4.6	4.6	4.7	5.0	4.7
173°	4.4	4.4	4.7	5.0	4.8
173.5°	4.7	4.6	4.8	4.9	4.9
174°	4.8	4.8	5.1	5.0	4.8
174.5°	4.8	5.0	5.0	5.3	5.0
175°	5.1	5.0	5.1	5.3	4.9
175.5°	5.1	5.0	5.4	5.1	5.1
176°	5.4	5.3	5.1	5.0	5.0
176.5°	5.5	5.1	5.3	4.8	5.0
177°	5.3	5.1	4.9	4.8	5.0
177.5°	5.4	5.1	4.8	4.7	5.1
178°	5.0	4.9	4.7	4.7	4.8
178.5°	4.9	4.8	4.6	4.6	4.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.3	4.3	4.3	4.3	4.3



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	4502.6	4497.1	4475.2	4454.4	4445.6
22°	4500.4	4494.9	4471.9	4451.1	4442.3



44°	4030.4	4014.0	3981.1	3961.4	3948.3
44.5°	4005.2	3987.7	3957.0	3936.2	3923.1



66.5°	2152.7	2143.9	2127.5	2122.0	2116.6
67°	2099.0	2089.2	2073.8	2068.3	2064.0



89°	32.0	31.4	31.1	32.8	33.2
89.5°	14.1	14.4	14.0	15.0	14.8



111.5°	2.7	2.4	2.5	2.5	2.4
112°	2.7	2.5	2.5	2.5	2.7





134°	5.6	5.5	5.4	5.3	5.6
134.5°	5.7	5.4	5.4	5.0	5.3



156.5°	4.3	3.9	4.1	4.2	4.3
157°	4.2	3.9	4.1	4.1	4.3



179°	4.7	4.6	4.4	4.5	4.7
179.5°	4.2	4.4	4.3	4.2	4.5



(END OF REPORT)