

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-160-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**

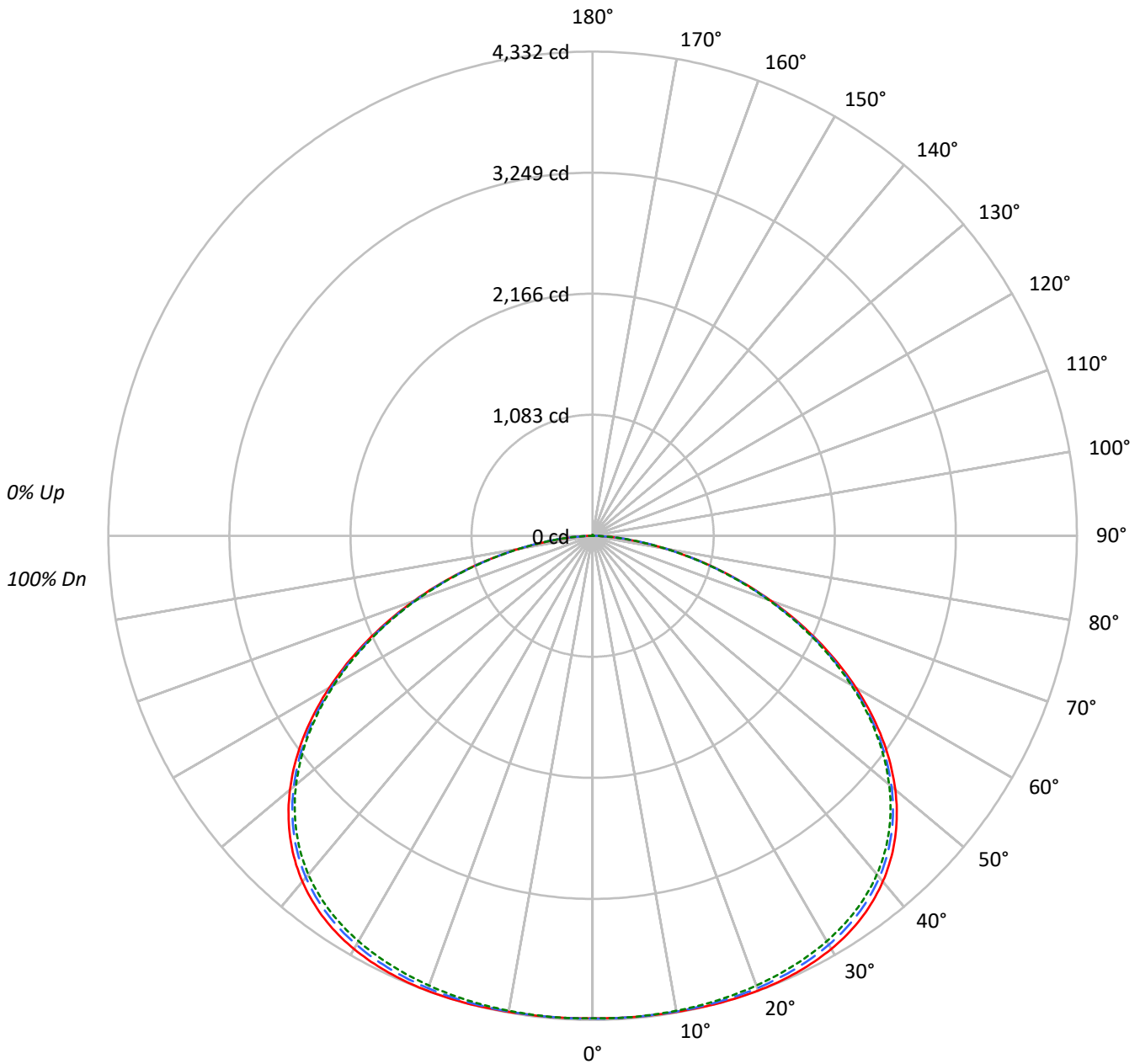
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 13890049.01)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/24/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 44ID-160-L830-CFR2  
Description: 16000 LUMEN 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: 15633.0 lumens  
Efficiency: N/A  
Efficacy: 120.8 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): 129.4  
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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CATALOG NUMBER: 44ID-160-L830-CFR2

### Luminous Intensity Polar Plot





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**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°	3082	3082	3082
5°	3097	3097	3096
10°	3136	3133	3128
15°	3201	3192	3182
20°	3290	3272	3254
25°	3397	3371	3344
30°	3519	3483	3452
35°	3645	3603	3571
40°	3763	3718	3687
45°	3862	3814	3783
50°	3925	3877	3845
55°	3937	3889	3860
60°	3885	3837	3814
65°	3759	3716	3698
70°	3543	3506	3488
75°	3210	3189	3175
80°	2730	2740	2710
85°	2034	2083	2081



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.5	2.6
10°-20°	1223.7	7.8
20°-30°	1978.1	12.7
30°-40°	2591.0	16.6
40°-50°	2914.3	18.6
50°-60°	2788.7	17.8
60°-70°	2175.0	13.9
70°-80°	1225.7	7.8
80°-90°	303.3	1.9
90°-100°	1.1	0.0
100°-110°	1.8	0.0
110°-120°	3.2	0.0
120°-130°	5.0	0.0
130°-140°	3.9	0.0
140°-150°	2.4	0.0
150°-160°	1.8	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	3614.3	23.1
0°-40°	6205.3	39.7
0°-60°	11908.3	76.2
0°-90°	15612.3	99.9
90°-120°	6.0	0.0
90°-150°	17.3	0.1
90°-180°	21.0	0.1
0°-180°	15633.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4317	4317	4317	4317	4317	
5°	4322	4323	4322	4322	4320	413
15°	4331	4330	4320	4310	4305	1228
25°	4313	4306	4280	4255	4246	1994
35°	4183	4169	4134	4109	4097	2618
45°	3826	3809	3778	3760	3747	2947
55°	3163	3146	3124	3111	3101	2820
65°	2225	2217	2200	2193	2189	2196
75°	1164	1164	1156	1154	1151	1233
85°	248	252	254	256	254	288
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	5	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°	4317.4	4317.4	4317.4	4317.4	4317.4
0.5°	4316.3	4319.5	4320.5	4319.5	4317.4
1°	4317.4	4319.5	4320.5	4320.5	4318.4
1.5°	4318.4	4320.5	4320.5	4320.5	4319.5
2°	4318.4	4320.5	4320.5	4321.6	4319.5
2.5°	4319.5	4321.6	4321.6	4321.6	4319.5
3°	4320.5	4321.6	4321.6	4321.6	4320.5
3.5°	4320.5	4321.6	4321.6	4321.6	4320.5
4°	4321.6	4321.6	4321.6	4321.6	4320.5
4.5°	4321.6	4322.6	4321.6	4321.6	4320.5
5°	4321.6	4322.6	4321.6	4321.6	4320.5
5.5°	4321.6	4322.6	4321.6	4321.6	4320.5
6°	4322.6	4322.6	4321.6	4321.6	4319.5
6.5°	4322.6	4323.7	4322.6	4321.6	4319.5
7°	4322.6	4323.7	4321.6	4321.6	4319.5
7.5°	4322.6	4323.7	4321.6	4320.5	4318.4
8°	4323.7	4323.7	4322.6	4320.5	4318.4
8.5°	4323.7	4324.8	4321.6	4320.5	4317.4
9°	4324.8	4324.8	4322.6	4319.5	4317.4
9.5°	4324.8	4325.8	4321.6	4319.5	4316.3
10°	4325.8	4325.8	4321.6	4318.4	4315.3
10.5°	4326.9	4326.9	4321.6	4318.4	4315.3
11°	4326.9	4326.9	4321.6	4317.4	4314.2
11.5°	4327.9	4327.9	4321.6	4316.3	4313.2
12°	4327.9	4327.9	4321.6	4316.3	4312.1
12.5°	4329.0	4327.9	4320.5	4315.3	4311.1
13°	4329.0	4327.9	4320.5	4314.2	4310.0
13.5°	4330.0	4329.0	4320.5	4313.2	4309.0
14°	4330.0	4329.0	4320.5	4312.1	4306.9
14.5°	4331.1	4329.0	4319.5	4311.1	4305.8
15°	4331.1	4330.0	4319.5	4310.0	4304.7
15.5°	4332.1	4330.0	4318.4	4307.9	4302.6
16°	4331.1	4330.0	4317.4	4306.9	4300.5
16.5°	4332.1	4330.0	4317.4	4304.7	4298.4
17°	4332.1	4329.0	4316.3	4302.6	4297.4
17.5°	4332.1	4329.0	4314.2	4301.6	4295.3
18°	4332.1	4329.0	4313.2	4299.5	4292.1
18.5°	4332.1	4327.9	4312.1	4297.4	4290.0
19°	4331.1	4327.9	4311.1	4295.3	4287.9
19.5°	4331.1	4326.9	4309.0	4292.1	4284.7
20°	4330.0	4325.8	4306.9	4290.0	4282.6
20.5°	4329.0	4324.8	4305.8	4287.9	4279.5
21°	4329.0	4323.7	4303.7	4284.7	4276.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
22.5°	4324.8	4318.4	4296.3	4275.3	4265.8
23°	4322.6	4316.3	4293.2	4272.1	4262.6
23.5°	4320.5	4314.2	4290.0	4267.9	4258.4
24°	4318.4	4312.1	4286.8	4263.7	4254.2
24.5°	4316.3	4309.0	4283.7	4259.5	4250.0
25°	4313.2	4305.8	4279.5	4255.3	4245.8
25.5°	4310.0	4302.6	4275.3	4251.0	4240.5
26°	4306.9	4299.5	4271.0	4246.8	4236.3
26.5°	4303.7	4295.3	4266.8	4241.6	4231.0
27°	4299.5	4291.1	4261.6	4236.3	4225.8
27.5°	4295.3	4286.8	4256.3	4231.0	4220.5
28°	4291.1	4281.6	4251.0	4225.8	4215.2
28.5°	4285.8	4276.3	4245.8	4219.4	4208.9
29°	4280.5	4271.0	4239.5	4213.1	4202.6
29.5°	4275.3	4264.7	4233.1	4206.8	4195.2
30°	4268.9	4258.4	4225.8	4199.4	4187.9
30.5°	4262.6	4252.1	4218.4	4192.1	4181.5
31°	4255.3	4244.7	4211.0	4184.7	4173.1
31.5°	4248.9	4237.4	4202.6	4177.3	4165.7
32°	4240.5	4228.9	4195.2	4168.9	4157.3
32.5°	4232.1	4220.5	4185.8	4159.4	4147.8
33°	4223.7	4211.0	4176.3	4151.0	4138.4
33.5°	4214.2	4201.5	4166.8	4141.5	4128.9
34°	4203.7	4191.0	4156.3	4131.0	4119.4
34.5°	4193.1	4180.5	4145.7	4120.5	4108.9
35°	4182.6	4168.9	4134.2	4108.9	4097.3
35.5°	4171.0	4157.3	4122.6	4097.3	4085.7
36°	4159.4	4144.7	4109.9	4085.7	4073.1
36.5°	4145.7	4132.0	4097.3	4073.1	4061.5
37°	4132.0	4118.4	4083.6	4059.4	4047.8
37.5°	4118.4	4103.6	4069.9	4045.7	4033.1
38°	4103.6	4089.9	4055.2	4032.0	4019.4
38.5°	4088.9	4074.1	4039.4	4016.2	4004.6
39°	4073.1	4057.3	4023.6	4001.5	3988.8
39.5°	4056.2	4040.4	4007.8	3984.6	3973.0
40°	4038.3	4023.6	3989.9	3967.8	3956.2
40.5°	4021.5	4005.7	3972.0	3950.9	3938.3
41°	4002.5	3986.7	3954.1	3932.0	3919.3
41.5°	3982.5	3966.7	3934.1	3913.0	3900.4
42°	3962.5	3946.7	3914.1	3894.1	3880.4
42.5°	3941.5	3925.7	3893.0	3873.0	3860.4
43°	3920.4	3903.5	3872.0	3851.9	3839.3
43.5°	3898.3	3881.4	3849.8	3829.8	3817.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
45°	3825.6	3808.8	3778.2	3760.3	3746.6
45.5°	3800.3	3782.4	3753.0	3735.1	3722.4
46°	3774.0	3756.1	3726.6	3708.7	3696.1
46.5°	3746.6	3728.7	3700.3	3682.4	3669.8
47°	3718.2	3701.4	3671.9	3656.1	3642.4
47.5°	3689.8	3671.9	3643.4	3627.7	3614.0
48°	3661.3	3642.4	3615.0	3598.2	3584.5
48.5°	3630.8	3612.9	3585.5	3569.7	3557.1
49°	3598.2	3581.3	3553.9	3537.1	3525.5
49.5°	3566.6	3549.7	3522.4	3506.6	3493.9
50°	3533.9	3516.0	3490.8	3475.0	3462.3
50.5°	3500.2	3482.3	3457.1	3441.3	3429.7
51°	3466.5	3448.6	3423.4	3407.6	3394.9
51.5°	3430.7	3412.8	3387.6	3372.8	3361.2
52°	3394.9	3377.0	3351.8	3338.1	3326.5
52.5°	3359.1	3341.2	3316.0	3301.2	3290.7
53°	3320.2	3303.3	3280.2	3266.5	3254.9
53.5°	3281.2	3264.4	3241.2	3227.5	3217.0
54°	3242.2	3225.4	3202.2	3188.5	3179.1
54.5°	3204.3	3186.4	3164.3	3150.6	3141.2
55°	3163.3	3146.4	3124.3	3110.6	3101.1
55.5°	3122.2	3105.4	3083.2	3069.6	3061.1
56°	3079.0	3063.2	3041.1	3029.5	3021.1
56.5°	3035.9	3021.1	2999.0	2987.4	2979.0
57°	2993.7	2977.9	2956.9	2946.3	2937.9
57.5°	2951.6	2934.8	2913.7	2903.2	2894.8
58°	2905.3	2889.5	2869.5	2858.9	2851.6
58.5°	2860.0	2845.3	2824.2	2814.7	2807.4
59°	2814.7	2800.0	2780.0	2770.5	2763.1
59.5°	2767.3	2753.6	2733.6	2724.2	2716.8
60°	2721.0	2706.3	2687.3	2678.9	2671.5
60.5°	2673.6	2661.0	2641.0	2632.5	2625.2
61°	2625.2	2612.5	2593.6	2585.2	2577.8
61.5°	2575.7	2565.2	2546.2	2537.8	2531.5
62°	2527.2	2516.7	2497.8	2490.4	2484.1
62.5°	2477.8	2467.2	2448.3	2440.9	2434.6
63°	2428.3	2417.7	2399.8	2392.5	2386.1
63.5°	2377.7	2367.2	2350.3	2343.0	2336.7
64°	2327.2	2316.6	2298.7	2293.5	2286.1
64.5°	2276.6	2266.1	2248.2	2242.9	2236.6
65°	2225.0	2216.6	2199.8	2193.4	2189.2
65.5°	2174.5	2164.0	2148.2	2142.9	2136.6
66°	2120.8	2112.4	2096.6	2091.3	2087.1





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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1964.9	1955.5	1941.8	1936.5	1931.2
68°	1911.2	1902.8	1889.1	1884.9	1879.6
68.5°	1857.5	1849.1	1835.4	1832.3	1829.1
69°	1803.8	1795.4	1783.8	1780.7	1776.4
69.5°	1751.2	1742.7	1732.2	1729.1	1723.8
70°	1697.5	1690.1	1679.6	1676.4	1671.1
70.5°	1643.8	1636.4	1626.9	1623.8	1618.5
71°	1590.1	1583.7	1575.3	1571.1	1565.8
71.5°	1537.4	1531.1	1521.6	1518.5	1514.2
72°	1483.7	1478.4	1469.0	1466.9	1461.6
72.5°	1430.0	1425.8	1416.3	1414.2	1410.0
73°	1376.3	1372.1	1362.6	1360.5	1357.3
73.5°	1323.6	1319.4	1311.0	1307.9	1304.7
74°	1271.0	1267.8	1259.4	1257.3	1253.1
74.5°	1217.3	1215.2	1207.8	1204.7	1201.5
75°	1163.6	1163.6	1156.2	1154.1	1151.0
75.5°	1112.0	1112.0	1104.6	1102.5	1099.4
76°	1060.4	1060.4	1053.0	1051.0	1046.8
76.5°	1008.3	1008.7	1002.5	1000.3	996.8
77°	958.4	958.8	953.2	950.4	946.9
77.5°	905.0	907.5	902.9	900.3	896.9
78°	855.2	858.3	853.6	851.6	848.6
78.5°	808.2	810.2	807.1	804.7	800.6
79°	759.0	760.6	758.6	756.5	752.5
79.5°	710.6	713.2	711.8	709.9	705.3
80°	664.1	666.0	666.4	663.5	659.2
80.5°	615.3	619.2	619.8	617.0	614.8
81°	570.1	573.8	574.8	573.2	570.2
81.5°	525.7	530.0	530.9	530.0	526.2
82°	481.1	486.4	488.0	487.2	483.0
82.5°	438.6	444.5	446.2	445.5	441.6
83°	397.3	403.7	405.3	405.8	402.3
83.5°	357.4	363.5	365.5	366.1	362.2
84°	319.1	324.5	327.1	328.1	324.9
84.5°	282.6	287.1	290.1	291.5	289.9
85°	248.3	251.5	254.3	256.2	254.0
85.5°	215.0	217.6	219.7	222.6	220.8
86°	184.1	186.6	188.1	190.4	190.4
86.5°	154.6	155.7	156.9	159.6	159.6
87°	126.4	126.5	126.9	130.4	130.5
87.5°	97.5	98.4	98.8	101.8	102.9
88°	68.8	71.2	71.8	74.7	74.4
88.5°	48.6	48.6	48.5	51.4	52.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	2.3	2.2	2.3	2.4	2.2
90.5°	0.7	0.6	0.7	0.8	0.7
91°	0.7	0.6	0.6	0.7	0.6
91.5°	0.9	0.7	0.8	0.6	0.5
92°	0.7	0.7	0.7	0.8	0.7
92.5°	0.8	0.7	0.7	0.8	0.7
93°	0.8	0.8	0.8	0.7	0.6
93.5°	0.9	0.7	0.8	0.8	0.9
94°	0.9	0.8	0.9	0.8	1.1
94.5°	0.9	0.9	0.8	0.9	0.9
95°	0.9	0.7	0.9	0.8	1.1
95.5°	0.8	0.9	1.1	0.9	1.1
96°	1.2	1.2	0.9	0.9	1.1
96.5°	1.2	1.1	1.1	0.9	1.1
97°	1.2	1.1	1.2	0.9	1.3
97.5°	1.3	1.1	1.1	0.9	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°	1.7	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°	1.8	1.6	1.6	1.5	1.4
104.5°	1.6	1.7	1.7	1.7	1.5
105°	1.9	1.7	1.6	1.8	1.8
105.5°	1.8	1.5	1.7	1.6	1.6
106°	1.7	1.7	1.8	1.8	1.9
106.5°	1.9	1.7	1.8	1.7	1.6
107°	1.8	1.8	1.9	1.9	1.7
107.5°	2.0	1.8	1.9	2.0	1.9
108°	2.0	1.8	1.7	2.0	1.8
108.5°	2.0	2.0	2.0	1.9	1.8
109°	2.1	2.0	2.0	2.0	2.1
109.5°	2.2	1.9	2.2	2.1	1.9
110°	2.1	2.1	2.1	2.2	2.1
110.5°	2.2	2.1	2.2	2.2	2.3
111°	2.2	2.3	2.3	2.3	2.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.6	2.7	2.6	2.4
113°	2.8	2.5	2.5	2.6	2.6
113.5°	2.8	2.8	2.8	2.9	2.9
114°	2.9	2.9	3.1	3.1	2.9
114.5°	3.2	3.2	3.1	3.1	2.8
115°	3.2	3.2	3.1	3.2	3.1
115.5°	3.5	3.2	3.4	3.3	3.1
116°	3.4	3.5	3.5	3.4	3.3
116.5°	3.6	3.6	3.6	3.6	3.5
117°	3.8	3.8	3.8	3.8	3.4
117.5°	4.0	3.8	3.9	3.8	3.6
118°	4.0	3.9	4.1	3.9	3.7
118.5°	4.3	4.1	4.1	4.0	3.9
119°	4.3	4.3	4.4	4.1	4.1
119.5°	4.4	4.4	4.4	4.3	4.2
120°	4.6	4.6	4.5	4.4	4.5
120.5°	4.7	4.5	4.7	4.6	4.5
121°	4.7	4.7	4.7	4.7	4.5
121.5°	5.3	5.1	4.9	4.7	4.7
122°	4.9	5.3	5.1	4.9	5.1
122.5°	5.4	5.3	5.2	5.2	4.9
123°	5.5	5.5	5.3	5.3	5.2
123.5°	5.5	5.7	5.4	5.2	5.4
124°	5.6	5.7	5.6	5.4	5.4
124.5°	5.9	5.7	5.6	5.5	5.5
125°	6.1	5.9	5.8	5.7	5.7
125.5°	6.1	6.0	5.8	5.7	5.8
126°	6.1	5.9	5.8	5.8	5.7
126.5°	5.9	6.0	6.1	5.8	5.9
127°	6.1	6.1	5.9	5.8	5.7
127.5°	6.3	6.2	6.1	5.8	5.7
128°	6.3	6.0	6.0	5.8	5.9
128.5°	6.1	6.1	5.9	5.7	5.9
129°	6.0	6.0	5.9	5.8	5.7
129.5°	5.9	6.0	5.9	5.8	5.8
130°	5.9	6.0	5.8	5.6	5.7
130.5°	6.1	5.9	5.9	5.4	5.7
131°	5.8	5.8	5.8	5.5	5.6
131.5°	5.9	5.7	5.5	5.4	5.5
132°	5.8	5.6	5.6	5.4	5.4
132.5°	5.8	5.6	5.5	5.4	5.5
133°	5.6	5.4	5.4	5.1	5.3
133.5°	5.7	5.4	5.2	4.9	5.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
135°	5.5	5.2	4.9	4.8	5.3
135.5°	5.2	5.3	4.9	4.7	5.1
136°	5.1	4.9	4.7	4.5	5.1
136.5°	5.2	4.9	4.7	4.5	4.9
137°	5.1	4.8	4.7	4.5	4.8
137.5°	4.9	4.7	4.6	4.3	4.6
138°	4.8	4.6	4.4	4.3	4.6
138.5°	4.9	4.6	4.5	4.2	4.5
139°	4.3	4.5	4.4	4.0	4.6
139.5°	4.6	4.3	4.2	4.1	4.5
140°	4.5	4.2	4.3	4.0	4.2
140.5°	4.5	4.2	4.2	4.0	4.2
141°	4.3	4.2	4.1	3.8	4.0
141.5°	4.0	4.2	4.2	3.8	4.0
142°	3.9	3.9	4.1	3.9	3.7
142.5°	3.9	4.1	4.0	3.8	3.7
143°	4.1	4.0	4.0	3.9	3.7
143.5°	4.1	4.0	4.0	3.7	3.7
144°	4.1	3.8	4.1	3.6	3.8
144.5°	3.9	3.8	3.9	3.7	3.8
145°	4.0	3.8	3.9	3.5	3.8
145.5°	3.9	3.7	3.8	3.5	4.0
146°	3.9	3.7	3.6	3.5	3.8
146.5°	4.0	3.7	3.6	3.5	3.8
147°	3.9	3.7	3.5	3.6	3.6
147.5°	3.8	3.7	3.5	3.6	3.9
148°	3.9	3.7	3.6	3.5	3.9
148.5°	4.0	3.8	3.6	3.5	3.9
149°	3.9	3.7	3.6	3.5	3.9
149.5°	4.1	3.6	3.6	3.5	4.0
150°	4.0	3.8	3.6	3.5	3.9
150.5°	3.9	3.7	3.6	3.6	3.9
151°	4.1	3.7	3.5	3.6	4.1
151.5°	4.0	3.8	3.5	3.6	4.1
152°	4.1	3.8	3.7	3.8	3.9
152.5°	4.1	3.9	3.6	3.7	4.1
153°	4.0	3.8	3.7	3.9	4.2
153.5°	4.3	3.9	3.6	3.8	4.1
154°	4.1	3.9	3.8	3.8	4.1
154.5°	4.1	3.8	3.8	4.0	4.2
155°	3.9	3.9	3.9	4.0	4.3
155.5°	4.1	3.8	3.8	3.9	4.2
156°	3.9	3.9	3.9	3.9	4.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
157.5°	3.9	3.7	3.8	4.0	4.1
158°	4.2	3.9	3.8	3.9	4.2
158.5°	4.0	3.9	3.7	3.9	4.1
159°	4.1	3.9	3.8	3.9	4.3
159.5°	4.0	3.8	3.8	3.9	4.4
160°	4.0	3.9	3.7	3.9	4.2
160.5°	3.9	3.8	3.8	4.0	4.2
161°	3.9	3.8	3.8	4.0	4.2
161.5°	4.0	3.9	3.8	3.8	4.0
162°	3.9	3.8	3.9	4.0	4.0
162.5°	4.1	4.0	3.9	3.9	4.1
163°	4.1	3.9	4.0	4.0	4.0
163.5°	4.0	3.9	4.0	4.0	4.3
164°	3.9	4.0	3.9	4.2	4.2
164.5°	3.8	4.1	4.0	4.2	4.3
165°	3.9	3.9	3.8	4.1	4.2
165.5°	3.7	3.9	3.8	4.4	4.2
166°	4.0	4.0	3.9	4.2	4.1
166.5°	4.0	3.9	3.8	4.3	3.9
167°	3.9	4.2	3.9	4.4	4.3
167.5°	4.0	4.2	4.0	4.5	4.3
168°	4.1	4.1	3.9	4.4	4.2
168.5°	4.0	4.3	4.1	4.7	4.3
169°	4.3	4.2	3.9	4.7	4.3
169.5°	4.2	4.2	4.0	4.6	4.4
170°	4.3	4.2	4.1	4.7	4.3
170.5°	4.3	4.4	4.1	4.7	4.5
171°	4.3	4.3	4.3	4.7	4.6
171.5°	4.2	4.3	4.3	4.8	4.4
172°	4.2	4.3	4.4	4.8	4.5
172.5°	4.4	4.4	4.5	4.8	4.5
173°	4.2	4.2	4.5	4.8	4.6
173.5°	4.5	4.4	4.6	4.7	4.7
174°	4.6	4.6	4.9	4.8	4.6
174.5°	4.6	4.8	4.8	5.1	4.8
175°	4.9	4.8	4.9	5.1	4.7
175.5°	4.9	4.8	5.2	4.9	4.9
176°	5.2	5.1	4.9	4.8	4.8
176.5°	5.3	4.9	5.1	4.6	4.8
177°	5.1	4.9	4.7	4.6	4.8
177.5°	5.2	4.9	4.6	4.5	4.9
178°	4.8	4.7	4.5	4.5	4.6
178.5°	4.7	4.6	4.4	4.4	4.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L830-CFR2

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







21.5°	4327.9	4322.6	4301.6	4281.6	4273.2
22°	4325.8	4320.5	4298.4	4278.4	4270.0



44°	3874.1	3858.3	3826.7	3807.7	3795.1
44.5°	3849.8	3833.0	3803.5	3783.5	3770.9



66.5°	2069.2	2060.8	2045.0	2039.7	2034.4
67°	2017.6	2008.1	1993.4	1988.1	1983.9



89°	30.7	30.2	29.9	31.5	31.9
89.5°	13.6	13.8	13.5	14.4	14.2



111.5°	2.6	2.3	2.4	2.4	2.3
112°	2.6	2.4	2.4	2.4	2.6





134°	5.4	5.3	5.2	5.1	5.4
134.5°	5.5	5.2	5.2	4.8	5.1



156.5°	4.1	3.8	3.9	4.0	4.1
157°	4.0	3.8	3.9	3.9	4.1



179°	4.5	4.4	4.2	4.3	4.5
179.5°	4.0	4.2	4.1	4.0	4.3



(END OF REPORT)