

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-L840-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-L840-CFR2
Description: 16000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH RECESSED 2IN CUBE LENS
AND 4000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

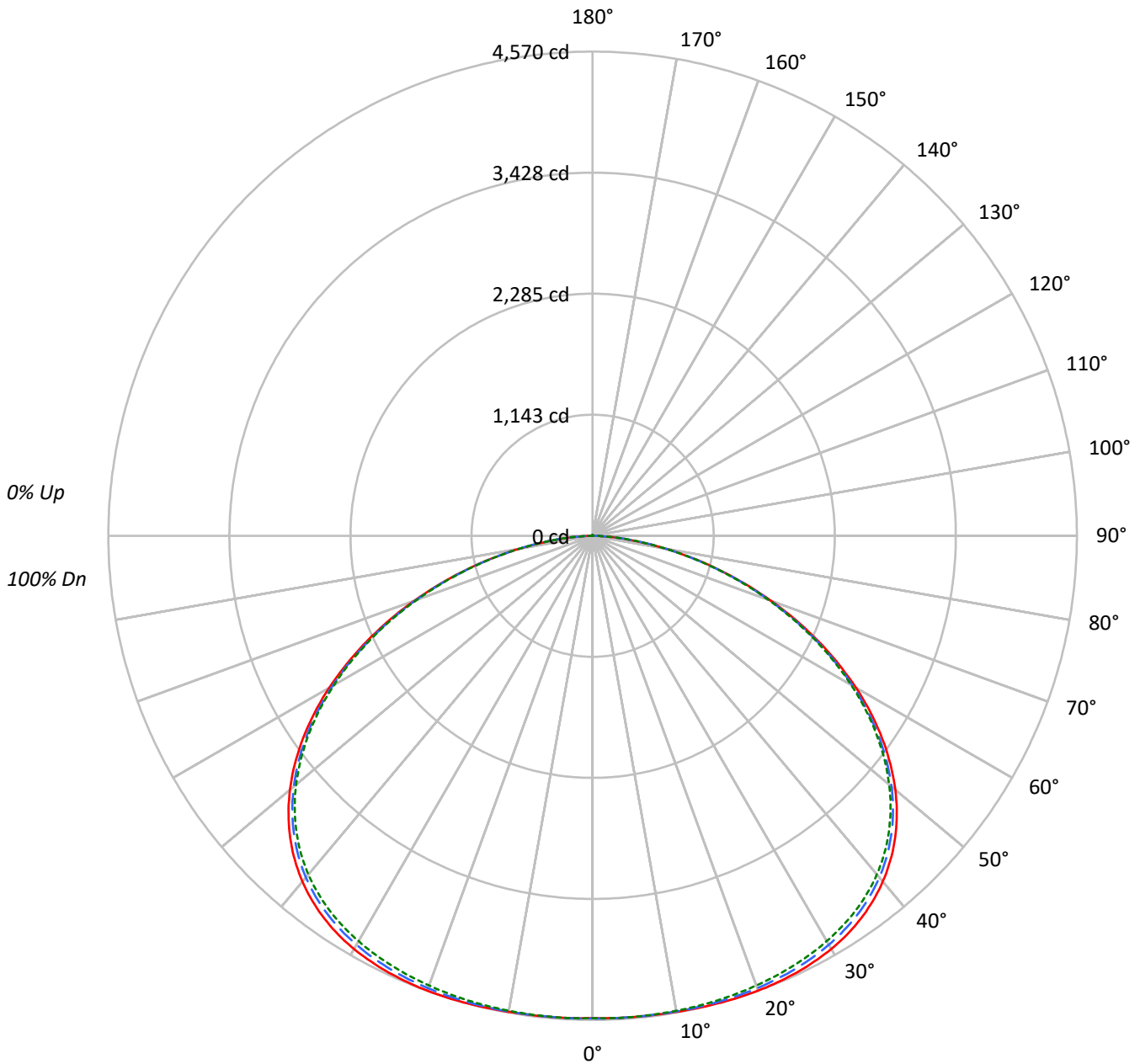
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16491.0 lumens
Efficiency: N/A
Efficacy: 127.4 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

TEST NUMBER: P#
CATALOG NUMBER: 44ID-160-L840-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

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°	3251	3251	3251
5°	3267	3267	3266
10°	3308	3305	3300
15°	3377	3368	3356
20°	3470	3452	3432
25°	3584	3556	3528
30°	3712	3675	3642
35°	3845	3801	3767
40°	3970	3922	3889
45°	4074	4024	3990
50°	4140	4090	4056
55°	4153	4102	4072
60°	4098	4048	4024
65°	3965	3920	3901
70°	3738	3698	3680
75°	3386	3364	3349
80°	2880	2890	2859
85°	2145	2198	2194



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.2	2.6
10°-20°	1290.8	7.8
20°-30°	2086.7	12.7
30°-40°	2733.2	16.6
40°-50°	3074.3	18.6
50°-60°	2941.8	17.8
60°-70°	2294.3	13.9
70°-80°	1293.0	7.8
80°-90°	319.9	1.9
90°-100°	1.1	0.0
100°-110°	1.8	0.0
110°-120°	3.4	0.0
120°-130°	5.2	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°	3812.7	23.1
0°-40°	6545.9	39.7
0°-60°	12561.9	76.2
0°-90°	16469.2	99.9
90°-120°	6.3	0.0
90°-150°	18.2	0.1
90°-180°	22.0	0.1
0°-180°	16491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4554	4554	4554	4554	4554	
5°	4559	4560	4559	4559	4558	435
15°	4569	4568	4557	4547	4541	1295
25°	4550	4542	4514	4489	4479	2103
35°	4412	4398	4361	4334	4322	2762
45°	4036	4018	3986	3967	3952	3109
55°	3337	3319	3296	3281	3271	2974
65°	2347	2338	2320	2314	2309	2317
75°	1227	1227	1220	1218	1214	1301
85°	262	265	268	270	268	304
90°	2	2	2	3	2	13
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	5	2
165°	4	4	4	4	4	1
175°	5	5	5	5	5	0
180°	4	4	4	4	4	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4554.3	4554.3	4554.3	4554.3	4554.3
0.5°	4553.2	4556.6	4557.7	4556.6	4554.3
1°	4554.3	4556.6	4557.7	4557.7	4555.4
1.5°	4555.4	4557.7	4557.7	4557.7	4556.6
2°	4555.4	4557.7	4557.7	4558.8	4556.6
2.5°	4556.6	4558.8	4558.8	4558.8	4556.6
3°	4557.7	4558.8	4558.8	4558.8	4557.7
3.5°	4557.7	4558.8	4558.8	4558.8	4557.7
4°	4558.8	4558.8	4558.8	4558.8	4557.7
4.5°	4558.8	4559.9	4558.8	4558.8	4557.7
5°	4558.8	4559.9	4558.8	4558.8	4557.7
5.5°	4558.8	4559.9	4558.8	4558.8	4557.7
6°	4559.9	4559.9	4558.8	4558.8	4556.6
6.5°	4559.9	4561.0	4559.9	4558.8	4556.6
7°	4559.9	4561.0	4558.8	4558.8	4556.6
7.5°	4559.9	4561.0	4558.8	4557.7	4555.4
8°	4561.0	4561.0	4559.9	4557.7	4555.4
8.5°	4561.0	4562.1	4558.8	4557.7	4554.3
9°	4562.1	4562.1	4559.9	4556.6	4554.3
9.5°	4562.1	4563.2	4558.8	4556.6	4553.2
10°	4563.2	4563.2	4558.8	4555.4	4552.1
10.5°	4564.3	4564.3	4558.8	4555.4	4552.1
11°	4564.3	4564.3	4558.8	4554.3	4551.0
11.5°	4565.4	4565.4	4558.8	4553.2	4549.9
12°	4565.4	4565.4	4558.8	4553.2	4548.8
12.5°	4566.6	4565.4	4557.7	4552.1	4547.7
13°	4566.6	4565.4	4557.7	4551.0	4546.6
13.5°	4567.7	4566.6	4557.7	4549.9	4545.4
14°	4567.7	4566.6	4557.7	4548.8	4543.2
14.5°	4568.8	4566.6	4556.6	4547.7	4542.1
15°	4568.8	4567.7	4556.6	4546.6	4541.0
15.5°	4569.9	4567.7	4555.4	4544.3	4538.8
16°	4568.8	4567.7	4554.3	4543.2	4536.6
16.5°	4569.9	4567.7	4554.3	4541.0	4534.3
17°	4569.9	4566.6	4553.2	4538.8	4533.2
17.5°	4569.9	4566.6	4551.0	4537.7	4531.0
18°	4569.9	4566.6	4549.9	4535.5	4527.7
18.5°	4569.9	4565.4	4548.8	4533.2	4525.5
19°	4568.8	4565.4	4547.7	4531.0	4523.2
19.5°	4568.8	4564.3	4545.4	4527.7	4519.9
20°	4567.7	4563.2	4543.2	4525.5	4517.7
20.5°	4566.6	4562.1	4542.1	4523.2	4514.3
21°	4566.6	4561.0	4539.9	4519.9	4511.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4562.1	4555.4	4532.1	4509.9	4499.9
23°	4559.9	4553.2	4528.8	4506.6	4496.6
23.5°	4557.7	4551.0	4525.5	4502.1	4492.1
24°	4555.4	4548.8	4522.1	4497.7	4487.7
24.5°	4553.2	4545.4	4518.8	4493.2	4483.2
25°	4549.9	4542.1	4514.3	4488.8	4478.8
25.5°	4546.6	4538.8	4509.9	4484.4	4473.2
26°	4543.2	4535.5	4505.5	4479.9	4468.8
26.5°	4539.9	4531.0	4501.0	4474.4	4463.2
27°	4535.5	4526.6	4495.5	4468.8	4457.7
27.5°	4531.0	4522.1	4489.9	4463.2	4452.1
28°	4526.6	4516.6	4484.4	4457.7	4446.6
28.5°	4521.0	4511.0	4478.8	4451.0	4439.9
29°	4515.5	4505.5	4472.1	4444.4	4433.3
29.5°	4509.9	4498.8	4465.5	4437.7	4425.5
30°	4503.2	4492.1	4457.7	4429.9	4417.7
30.5°	4496.6	4485.5	4449.9	4422.1	4411.0
31°	4488.8	4477.7	4442.1	4414.4	4402.2
31.5°	4482.1	4469.9	4433.3	4406.6	4394.4
32°	4473.2	4461.0	4425.5	4397.7	4385.5
32.5°	4464.4	4452.1	4415.5	4387.7	4375.5
33°	4455.5	4442.1	4405.5	4378.8	4365.5
33.5°	4445.5	4432.1	4395.5	4368.8	4355.5
34°	4434.4	4421.0	4384.4	4357.7	4345.5
34.5°	4423.3	4409.9	4373.3	4346.6	4334.4
35°	4412.2	4397.7	4361.1	4334.4	4322.2
35.5°	4399.9	4385.5	4348.8	4322.2	4310.0
36°	4387.7	4372.2	4335.5	4310.0	4296.6
36.5°	4373.3	4358.8	4322.2	4296.6	4284.4
37°	4358.8	4344.4	4307.7	4282.2	4270.0
37.5°	4344.4	4328.8	4293.3	4267.7	4254.4
38°	4328.8	4314.4	4277.7	4253.3	4240.0
38.5°	4313.3	4297.7	4261.1	4236.6	4224.4
39°	4296.6	4280.0	4244.4	4221.1	4207.8
39.5°	4278.9	4262.2	4227.8	4203.3	4191.1
40°	4260.0	4244.4	4208.9	4185.5	4173.3
40.5°	4242.2	4225.5	4190.0	4167.8	4154.4
41°	4222.2	4205.5	4171.1	4147.8	4134.4
41.5°	4201.1	4184.4	4150.0	4127.8	4114.5
42°	4180.0	4163.3	4128.9	4107.8	4093.3
42.5°	4157.8	4141.1	4106.7	4085.6	4072.2
43°	4135.6	4117.8	4084.5	4063.4	4050.0
43.5°	4112.2	4094.5	4061.1	4040.0	4026.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	4035.6	4017.8	3985.6	3966.7	3952.3
45.5°	4008.9	3990.0	3958.9	3940.1	3926.7
46°	3981.2	3962.3	3931.2	3912.3	3899.0
46.5°	3952.3	3933.4	3903.4	3884.5	3871.2
47°	3922.3	3904.5	3873.4	3856.7	3842.3
47.5°	3892.3	3873.4	3843.4	3826.8	3812.3
48°	3862.3	3842.3	3813.4	3795.6	3781.2
48.5°	3830.1	3811.2	3782.3	3765.7	3752.3
49°	3795.6	3777.9	3749.0	3731.2	3719.0
49.5°	3762.3	3744.6	3715.7	3699.0	3685.7
50°	3727.9	3709.0	3682.3	3665.7	3652.4
50.5°	3692.3	3673.5	3646.8	3630.1	3617.9
51°	3656.8	3637.9	3611.3	3594.6	3581.3
51.5°	3619.0	3600.1	3573.5	3557.9	3545.7
52°	3581.3	3562.4	3535.7	3521.3	3509.1
52.5°	3543.5	3524.6	3498.0	3482.4	3471.3
53°	3502.4	3484.6	3460.2	3445.7	3433.5
53.5°	3461.3	3443.5	3419.1	3404.6	3393.5
54°	3420.2	3402.4	3378.0	3363.5	3353.5
54.5°	3380.2	3361.3	3338.0	3323.6	3313.6
55°	3336.9	3319.1	3295.8	3281.3	3271.3
55.5°	3293.6	3275.8	3252.5	3238.0	3229.1
56°	3248.0	3231.4	3208.0	3195.8	3186.9
56.5°	3202.5	3186.9	3163.6	3151.4	3142.5
57°	3158.0	3141.4	3119.2	3108.1	3099.2
57.5°	3113.6	3095.8	3073.6	3062.5	3053.6
58°	3064.7	3048.1	3027.0	3015.9	3008.1
58.5°	3017.0	3001.4	2979.2	2969.2	2961.4
59°	2969.2	2953.7	2932.5	2922.6	2914.8
59.5°	2919.2	2904.8	2883.7	2873.7	2865.9
60°	2870.3	2854.8	2834.8	2825.9	2818.1
60.5°	2820.4	2807.0	2785.9	2777.0	2769.3
61°	2769.3	2755.9	2735.9	2727.0	2719.3
61.5°	2717.0	2705.9	2685.9	2677.1	2670.4
62°	2666.0	2654.8	2634.8	2627.1	2620.4
62.5°	2613.7	2602.6	2582.6	2574.9	2568.2
63°	2561.5	2550.4	2531.5	2523.8	2517.1
63.5°	2508.2	2497.1	2479.3	2471.6	2464.9
64°	2454.9	2443.8	2424.9	2419.4	2411.6
64.5°	2401.6	2390.5	2371.6	2366.0	2359.4
65°	2347.1	2338.3	2320.5	2313.8	2309.4
65.5°	2293.8	2282.7	2266.1	2260.5	2253.8
66°	2237.2	2228.3	2211.6	2206.1	2201.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	2072.8	2062.8	2048.3	2042.8	2037.2
68°	2016.1	2007.2	1992.8	1988.4	1982.8
68.5°	1959.5	1950.6	1936.1	1932.8	1929.5
69°	1902.8	1893.9	1881.7	1878.4	1873.9
69.5°	1847.3	1838.4	1827.3	1824.0	1818.4
70°	1790.6	1782.9	1771.7	1768.4	1762.9
70.5°	1734.0	1726.2	1716.2	1712.9	1707.3
71°	1677.3	1670.7	1661.8	1657.3	1651.8
71.5°	1621.8	1615.1	1605.1	1601.8	1597.3
72°	1565.1	1559.6	1549.6	1547.4	1541.8
72.5°	1508.5	1504.0	1494.0	1491.8	1487.4
73°	1451.8	1447.4	1437.4	1435.2	1431.8
73.5°	1396.3	1391.8	1383.0	1379.6	1376.3
74°	1340.8	1337.4	1328.5	1326.3	1321.9
74.5°	1284.1	1281.9	1274.1	1270.8	1267.4
75°	1227.4	1227.4	1219.7	1217.5	1214.1
75.5°	1173.0	1173.0	1165.2	1163.0	1159.7
76°	1118.6	1118.6	1110.8	1108.7	1104.3
76.5°	1063.6	1064.0	1057.5	1055.2	1051.5
77°	1011.0	1011.4	1005.5	1002.5	998.8
77.5°	954.6	957.3	952.4	949.7	946.1
78°	902.1	905.4	900.4	898.3	895.2
78.5°	852.5	854.7	851.4	848.9	844.6
79°	800.7	802.3	800.2	798.0	793.8
79.5°	749.6	752.4	750.9	748.9	744.0
80°	700.6	702.6	702.9	699.9	695.4
80.5°	649.0	653.2	653.8	650.8	648.5
81°	601.4	605.3	606.4	604.6	601.5
81.5°	554.5	559.1	560.1	559.1	555.1
82°	507.5	513.1	514.8	514.0	509.5
82.5°	462.7	468.9	470.7	470.0	465.9
83°	419.1	425.9	427.6	428.1	424.3
83.5°	377.0	383.5	385.6	386.2	382.1
84°	336.6	342.4	345.0	346.1	342.7
84.5°	298.1	302.8	306.0	307.5	305.8
85°	261.9	265.3	268.3	270.3	267.9
85.5°	226.8	229.5	231.7	234.8	232.9
86°	194.2	196.8	198.4	200.8	200.8
86.5°	163.1	164.3	165.5	168.4	168.4
87°	133.3	133.4	133.9	137.5	137.6
87.5°	102.9	103.7	104.2	107.4	108.5
88°	72.5	75.1	75.8	78.8	78.5
88.5°	51.3	51.3	51.2	54.2	54.9



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	2.4	2.3	2.4	2.6	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	0.6
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°	1.0	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°	1.6	1.3	1.3	1.3	1.3
101.5°	1.7	1.3	1.4	1.4	1.6
102°	1.8	1.4	1.6	1.4	1.6
102.5°	1.6	1.4	1.4	1.6	1.6
103°	1.6	1.3	1.6	1.4	1.6
103.5°	1.7	1.7	1.6	1.6	1.4
104°	1.9	1.7	1.7	1.6	1.4
104.5°	1.7	1.8	1.8	1.8	1.6
105°	2.0	1.8	1.7	1.9	1.9
105.5°	1.9	1.6	1.8	1.7	1.7
106°	1.8	1.8	1.9	1.9	2.0
106.5°	2.0	1.8	1.9	1.8	1.7
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-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	2.8	2.9	2.8	2.6
113°	3.0	2.7	2.7	2.8	2.8
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°	3.7	3.3	3.6	3.4	3.2
116°	3.6	3.7	3.7	3.6	3.4
116.5°	3.8	3.8	3.8	3.8	3.7
117°	4.0	4.0	4.0	4.0	3.6
117.5°	4.2	4.0	4.1	4.0	3.8
118°	4.2	4.1	4.3	4.1	3.9
118.5°	4.6	4.3	4.3	4.2	4.1
119°	4.6	4.6	4.7	4.3	4.3
119.5°	4.7	4.7	4.7	4.6	4.4
120°	4.9	4.9	4.8	4.7	4.8
120.5°	5.0	4.8	5.0	4.9	4.8
121°	5.0	5.0	5.0	5.0	4.8
121.5°	5.6	5.3	5.2	5.0	5.0
122°	5.2	5.6	5.3	5.2	5.3
122.5°	5.7	5.6	5.4	5.4	5.2
123°	5.8	5.8	5.6	5.6	5.4
123.5°	5.8	6.0	5.7	5.4	5.7
124°	5.9	6.0	5.9	5.7	5.7
124.5°	6.2	6.0	5.9	5.8	5.8
125°	6.4	6.2	6.1	6.0	6.0
125.5°	6.4	6.3	6.1	6.0	6.1
126°	6.4	6.2	6.1	6.1	6.0
126.5°	6.2	6.3	6.4	6.1	6.2
127°	6.4	6.4	6.2	6.1	6.0
127.5°	6.7	6.6	6.4	6.1	6.0
128°	6.7	6.3	6.3	6.1	6.2
128.5°	6.4	6.4	6.2	6.0	6.2
129°	6.3	6.3	6.2	6.1	6.0
129.5°	6.2	6.3	6.2	6.1	6.1
130°	6.2	6.3	6.1	5.9	6.0
130.5°	6.4	6.2	6.2	5.7	6.0
131°	6.1	6.1	6.1	5.8	5.9
131.5°	6.2	6.0	5.8	5.7	5.8
132°	6.1	5.9	5.9	5.7	5.7
132.5°	6.1	5.9	5.8	5.7	5.8
133°	5.9	5.7	5.7	5.3	5.6
133.5°	6.0	5.7	5.4	5.2	5.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.8	5.4	5.2	5.1	5.6
135.5°	5.4	5.6	5.2	5.0	5.3
136°	5.3	5.2	5.0	4.8	5.3
136.5°	5.4	5.2	5.0	4.8	5.2
137°	5.3	5.1	5.0	4.8	5.1
137.5°	5.2	5.0	4.9	4.6	4.9
138°	5.1	4.9	4.7	4.6	4.9
138.5°	5.2	4.9	4.8	4.4	4.8
139°	4.6	4.8	4.7	4.2	4.9
139.5°	4.9	4.6	4.4	4.3	4.8
140°	4.8	4.4	4.6	4.2	4.4
140.5°	4.8	4.4	4.4	4.2	4.4
141°	4.6	4.4	4.3	4.0	4.2
141.5°	4.2	4.4	4.4	4.0	4.2
142°	4.1	4.1	4.3	4.1	3.9
142.5°	4.1	4.3	4.2	4.0	3.9
143°	4.3	4.2	4.2	4.1	3.9
143.5°	4.3	4.2	4.2	3.9	3.9
144°	4.3	4.0	4.3	3.8	4.0
144.5°	4.1	4.0	4.1	3.9	4.0
145°	4.2	4.0	4.1	3.7	4.0
145.5°	4.1	3.9	4.0	3.7	4.2
146°	4.1	3.9	3.8	3.7	4.0
146.5°	4.2	3.9	3.8	3.7	4.0
147°	4.1	3.9	3.7	3.8	3.8
147.5°	4.0	3.9	3.7	3.8	4.1
148°	4.1	3.9	3.8	3.7	4.1
148.5°	4.2	4.0	3.8	3.7	4.1
149°	4.1	3.9	3.8	3.7	4.1
149.5°	4.3	3.8	3.8	3.7	4.2
150°	4.2	4.0	3.8	3.7	4.1
150.5°	4.1	3.9	3.8	3.8	4.1
151°	4.3	3.9	3.7	3.8	4.3
151.5°	4.2	4.0	3.7	3.8	4.3
152°	4.3	4.0	3.9	4.0	4.1
152.5°	4.3	4.1	3.8	3.9	4.3
153°	4.2	4.0	3.9	4.1	4.4
153.5°	4.6	4.1	3.8	4.0	4.3
154°	4.3	4.1	4.0	4.0	4.3
154.5°	4.3	4.0	4.0	4.2	4.4
155°	4.1	4.1	4.1	4.2	4.6
155.5°	4.3	4.0	4.0	4.1	4.4
156°	4.1	4.1	4.1	4.1	4.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	4.1	3.9	4.0	4.2	4.3
158°	4.4	4.1	4.0	4.1	4.4
158.5°	4.2	4.1	3.9	4.1	4.3
159°	4.3	4.1	4.0	4.1	4.6
159.5°	4.2	4.0	4.0	4.1	4.7
160°	4.2	4.1	3.9	4.1	4.4
160.5°	4.1	4.0	4.0	4.2	4.4
161°	4.1	4.0	4.0	4.2	4.4
161.5°	4.2	4.1	4.0	4.0	4.2
162°	4.1	4.0	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	4.6
164°	4.1	4.2	4.1	4.4	4.4
164.5°	4.0	4.3	4.2	4.4	4.6
165°	4.1	4.1	4.0	4.3	4.4
165.5°	3.9	4.1	4.0	4.7	4.4
166°	4.2	4.2	4.1	4.4	4.3
166.5°	4.2	4.1	4.0	4.6	4.1
167°	4.1	4.4	4.1	4.7	4.6
167.5°	4.2	4.4	4.2	4.8	4.6
168°	4.3	4.3	4.1	4.7	4.4
168.5°	4.2	4.6	4.3	5.0	4.6
169°	4.6	4.4	4.1	5.0	4.6
169.5°	4.4	4.4	4.2	4.9	4.7
170°	4.6	4.4	4.3	5.0	4.6
170.5°	4.6	4.7	4.3	5.0	4.8
171°	4.6	4.6	4.6	5.0	4.9
171.5°	4.4	4.6	4.6	5.1	4.7
172°	4.4	4.6	4.7	5.1	4.8
172.5°	4.7	4.7	4.8	5.1	4.8
173°	4.4	4.4	4.8	5.1	4.9
173.5°	4.8	4.7	4.9	5.0	5.0
174°	4.9	4.9	5.2	5.1	4.9
174.5°	4.9	5.1	5.1	5.3	5.1
175°	5.2	5.1	5.2	5.3	5.0
175.5°	5.2	5.1	5.4	5.2	5.2
176°	5.4	5.3	5.2	5.1	5.1
176.5°	5.6	5.2	5.3	4.9	5.1
177°	5.3	5.2	5.0	4.9	5.1
177.5°	5.4	5.2	4.9	4.8	5.2
178°	5.1	5.0	4.8	4.8	4.9
178.5°	5.0	4.9	4.7	4.7	4.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-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°	4565.4	4559.9	4537.7	4516.6	4507.7
22°	4563.2	4557.7	4534.3	4513.2	4504.3



44°	4086.7	4070.0	4036.7	4016.7	4003.4
44.5°	4061.1	4043.4	4012.3	3991.2	3977.8



66.5°	2182.7	2173.9	2157.2	2151.6	2146.1
67°	2128.3	2118.3	2102.8	2097.2	2092.8



89°	32.4	31.9	31.5	33.2	33.7
89.5°	14.3	14.6	14.2	15.2	15.0



111.5°	2.8	2.4	2.6	2.6	2.4
112°	2.8	2.6	2.6	2.6	2.8



134°	5.7	5.6	5.4	5.3	5.7
134.5°	5.8	5.4	5.4	5.1	5.3



156.5°	4.3	4.0	4.1	4.2	4.3
157°	4.2	4.0	4.1	4.1	4.3



179°	4.8	4.7	4.4	4.6	4.8
179.5°	4.2	4.4	4.3	4.2	4.6



(END OF REPORT)