

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-CFD2**

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-CFD2
Description: 16000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS
AND 4000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

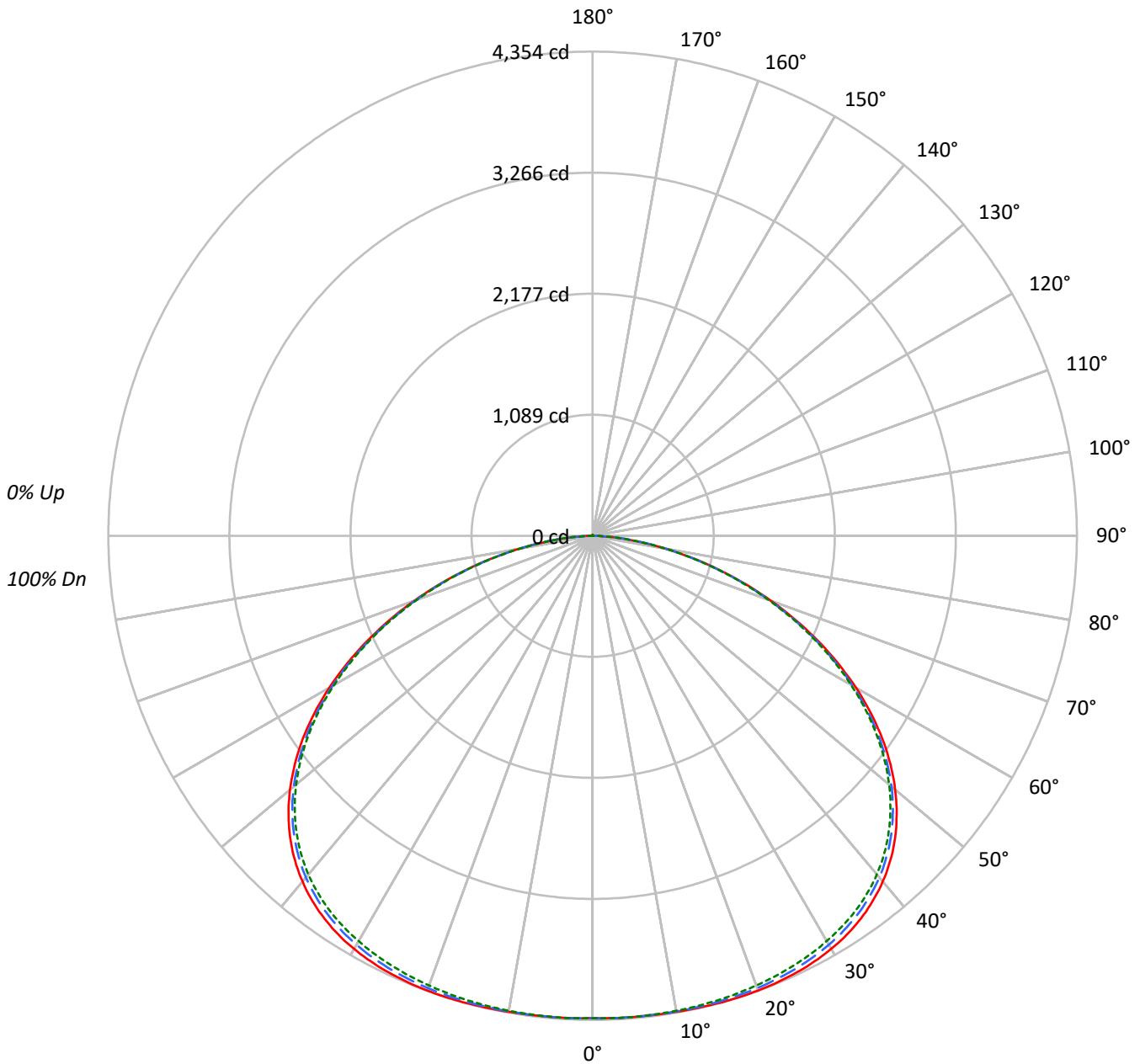
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15710.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.48 / 1.45 / 1.57
Luminous Opening: Rectangular w/ Sides (W: 3.88' x L: 3.88' x H: 0.17')
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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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°	3097	3097	3097
5°	3101	3096	3100
10°	3128	3115	3120
15°	3180	3157	3161
20°	3255	3217	3219
25°	3347	3294	3295
30°	3451	3382	3385
35°	3556	3473	3484
40°	3650	3555	3576
45°	3722	3614	3645
50°	3752	3633	3676
55°	3728	3596	3655
60°	3634	3489	3568
65°	3459	3304	3403
70°	3185	3019	3136
75°	2780	2613	2750
80°	2207	2048	2190
85°	1371	1236	1402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.6	2.6
10°-20°	1229.7	7.8
20°-30°	1987.9	12.7
30°-40°	2603.7	16.6
40°-50°	2928.7	18.6
50°-60°	2802.4	17.8
60°-70°	2185.7	13.9
70°-80°	1231.8	7.8
80°-90°	304.8	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°	3632.1	23.1
0°-40°	6235.9	39.7
0°-60°	11967.0	76.2
0°-90°	15689.2	99.9
90°-120°	6.0	0.0
90°-150°	17.4	0.1
90°-180°	21.0	0.1
0°-180°	15710.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4339	4339	4339	4339	4339	
5°	4343	4344	4343	4343	4342	415
15°	4352	4351	4341	4331	4326	1234
25°	4334	4327	4301	4276	4267	2003
35°	4203	4189	4154	4129	4118	2631
45°	3844	3828	3797	3779	3765	2961
55°	3179	3162	3140	3126	3116	2833
65°	2236	2228	2211	2204	2200	2207
75°	1169	1169	1162	1160	1157	1239
85°	250	253	256	258	255	289
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°	4338.6	4338.6	4338.6	4338.6	4338.6
0.5°	4337.6	4340.8	4341.8	4340.8	4338.6
1°	4338.6	4340.8	4341.8	4341.8	4339.7
1.5°	4339.7	4341.8	4341.8	4341.8	4340.8
2°	4339.7	4341.8	4341.8	4342.9	4340.8
2.5°	4340.8	4342.9	4342.9	4342.9	4340.8
3°	4341.8	4342.9	4342.9	4342.9	4341.8
3.5°	4341.8	4342.9	4342.9	4342.9	4341.8
4°	4342.9	4342.9	4342.9	4342.9	4341.8
4.5°	4342.9	4343.9	4342.9	4342.9	4341.8
5°	4342.9	4343.9	4342.9	4342.9	4341.8
5.5°	4342.9	4343.9	4342.9	4342.9	4341.8
6°	4343.9	4343.9	4342.9	4342.9	4340.8
6.5°	4343.9	4345.0	4343.9	4342.9	4340.8
7°	4343.9	4345.0	4342.9	4342.9	4340.8
7.5°	4343.9	4345.0	4342.9	4341.8	4339.7
8°	4345.0	4345.0	4343.9	4341.8	4339.7
8.5°	4345.0	4346.1	4342.9	4341.8	4338.6
9°	4346.1	4346.1	4343.9	4340.8	4338.6
9.5°	4346.1	4347.1	4342.9	4340.8	4337.6
10°	4347.1	4347.1	4342.9	4339.7	4336.5
10.5°	4348.2	4348.2	4342.9	4339.7	4336.5
11°	4348.2	4348.2	4342.9	4338.6	4335.5
11.5°	4349.2	4349.2	4342.9	4337.6	4334.4
12°	4349.2	4349.2	4342.9	4337.6	4333.4
12.5°	4350.3	4349.2	4341.8	4336.5	4332.3
13°	4350.3	4349.2	4341.8	4335.5	4331.2
13.5°	4351.3	4350.3	4341.8	4334.4	4330.2
14°	4351.3	4350.3	4341.8	4333.4	4328.1
14.5°	4352.4	4350.3	4340.8	4332.3	4327.0
15°	4352.4	4351.3	4340.8	4331.2	4325.9
15.5°	4353.5	4351.3	4339.7	4329.1	4323.8
16°	4352.4	4351.3	4338.6	4328.1	4321.7
16.5°	4353.5	4351.3	4338.6	4325.9	4319.6
17°	4353.5	4350.3	4337.6	4323.8	4318.5
17.5°	4353.5	4350.3	4335.5	4322.8	4316.4
18°	4353.5	4350.3	4334.4	4320.7	4313.2
18.5°	4353.5	4349.2	4333.4	4318.5	4311.1
19°	4352.4	4349.2	4332.3	4316.4	4309.0
19.5°	4352.4	4348.2	4330.2	4313.2	4305.8
20°	4351.3	4347.1	4328.1	4311.1	4303.7
20.5°	4350.3	4346.1	4327.0	4309.0	4300.6
21°	4350.3	4345.0	4324.9	4305.8	4297.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4346.1	4339.7	4317.5	4296.3	4286.8
23°	4343.9	4337.6	4314.3	4293.1	4283.6
23.5°	4341.8	4335.5	4311.1	4288.9	4279.4
24°	4339.7	4333.4	4308.0	4284.7	4275.2
24.5°	4337.6	4330.2	4304.8	4280.4	4270.9
25°	4334.4	4327.0	4300.6	4276.2	4266.7
25.5°	4331.2	4323.8	4296.3	4272.0	4261.4
26°	4328.1	4320.7	4292.1	4267.7	4257.2
26.5°	4324.9	4316.4	4287.9	4262.5	4251.9
27°	4320.7	4312.2	4282.6	4257.2	4246.6
27.5°	4316.4	4308.0	4277.3	4251.9	4241.3
28°	4312.2	4302.7	4272.0	4246.6	4236.0
28.5°	4306.9	4297.4	4266.7	4240.2	4229.7
29°	4301.6	4292.1	4260.3	4233.9	4223.3
29.5°	4296.3	4285.7	4254.0	4227.5	4215.9
30°	4290.0	4279.4	4246.6	4220.1	4208.5
30.5°	4283.6	4273.0	4239.2	4212.7	4202.1
31°	4276.2	4265.6	4231.8	4205.3	4193.7
31.5°	4269.9	4258.2	4223.3	4197.9	4186.3
32°	4261.4	4249.8	4215.9	4189.4	4177.8
32.5°	4252.9	4241.3	4206.4	4179.9	4168.3
33°	4244.5	4231.8	4196.8	4171.4	4158.8
33.5°	4234.9	4222.2	4187.3	4161.9	4149.2
34°	4224.4	4211.7	4176.7	4151.3	4139.7
34.5°	4213.8	4201.1	4166.2	4140.8	4129.1
35°	4203.2	4189.4	4154.5	4129.1	4117.5
35.5°	4191.6	4177.8	4142.9	4117.5	4105.8
36°	4179.9	4165.1	4130.2	4105.8	4093.1
36.5°	4166.2	4152.4	4117.5	4093.1	4081.5
37°	4152.4	4138.6	4103.7	4079.4	4067.7
37.5°	4138.6	4123.8	4090.0	4065.6	4052.9
38°	4123.8	4110.1	4075.2	4051.9	4039.2
38.5°	4109.0	4094.2	4059.3	4036.0	4024.4
39°	4093.1	4077.3	4043.4	4021.2	4008.5
39.5°	4076.2	4060.3	4027.5	4004.3	3992.6
40°	4058.2	4043.4	4009.5	3987.3	3975.7
40.5°	4041.3	4025.4	3991.6	3970.4	3957.7
41°	4022.2	4006.4	3973.6	3951.3	3938.6
41.5°	4002.1	3986.3	3953.5	3932.3	3919.6
42°	3982.0	3966.2	3933.4	3913.2	3899.5
42.5°	3960.9	3945.0	3912.2	3892.1	3879.4
43°	3939.7	3922.8	3891.0	3870.9	3858.2
43.5°	3917.5	3900.5	3868.8	3848.7	3836.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	3844.5	3827.5	3796.8	3778.9	3765.1
45.5°	3819.1	3801.1	3771.4	3753.5	3740.8
46°	3792.6	3774.6	3745.0	3727.0	3714.3
46.5°	3765.1	3747.1	3718.5	3700.5	3687.8
47°	3736.5	3719.6	3690.0	3674.1	3660.3
47.5°	3708.0	3690.0	3661.4	3645.5	3631.8
48°	3679.4	3660.3	3632.8	3615.9	3602.1
48.5°	3648.7	3630.7	3603.2	3587.3	3574.6
49°	3615.9	3599.0	3571.4	3554.5	3542.9
49.5°	3584.1	3567.2	3539.7	3523.8	3511.1
50°	3551.3	3533.4	3508.0	3492.1	3479.4
50.5°	3517.5	3499.5	3474.1	3458.2	3446.6
51°	3483.6	3465.6	3440.2	3424.4	3411.7
51.5°	3447.6	3429.6	3404.2	3389.4	3377.8
52°	3411.7	3393.7	3368.3	3354.5	3342.9
52.5°	3375.7	3357.7	3332.3	3317.5	3306.9
53°	3336.5	3319.6	3296.3	3282.6	3270.9
53.5°	3297.4	3280.4	3257.2	3243.4	3232.8
54°	3258.2	3241.3	3218.0	3204.2	3194.7
54.5°	3220.1	3202.1	3179.9	3166.2	3156.6
55°	3178.9	3161.9	3139.7	3125.9	3116.4
55.5°	3137.6	3120.7	3098.4	3084.7	3076.2
56°	3094.2	3078.3	3056.1	3044.5	3036.0
56.5°	3050.8	3036.0	3013.8	3002.1	2993.7
57°	3008.5	2992.6	2971.4	2960.9	2952.4
57.5°	2966.2	2949.2	2928.1	2917.5	2909.0
58°	2919.6	2903.7	2883.6	2873.0	2865.6
58.5°	2874.1	2859.3	2838.1	2828.6	2821.2
59°	2828.6	2813.8	2793.7	2784.1	2776.7
59.5°	2781.0	2767.2	2747.1	2737.6	2730.2
60°	2734.4	2719.6	2700.5	2692.1	2684.7
60.5°	2686.8	2674.1	2654.0	2645.5	2638.1
61°	2638.1	2625.4	2606.4	2597.9	2590.5
61.5°	2588.4	2577.8	2558.7	2550.3	2543.9
62°	2539.7	2529.1	2510.1	2502.7	2496.3
62.5°	2490.0	2479.4	2460.3	2452.9	2446.6
63°	2440.2	2429.6	2411.7	2404.2	2397.9
63.5°	2389.4	2378.8	2361.9	2354.5	2348.2
64°	2338.6	2328.1	2310.1	2304.8	2297.4
64.5°	2287.8	2277.3	2259.3	2254.0	2247.6
65°	2236.0	2227.5	2210.6	2204.2	2200.0
65.5°	2185.2	2174.6	2158.7	2153.4	2147.1
66°	2131.2	2122.8	2106.9	2101.6	2097.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1974.6	1965.1	1951.3	1946.0	1940.8
68°	1920.6	1912.2	1898.4	1894.2	1888.9
68.5°	1866.7	1858.2	1844.5	1841.3	1838.1
69°	1812.7	1804.2	1792.6	1789.4	1785.2
69.5°	1759.8	1751.3	1740.7	1737.6	1732.3
70°	1705.8	1698.4	1687.8	1684.7	1679.4
70.5°	1651.9	1644.5	1634.9	1631.8	1626.5
71°	1597.9	1591.5	1583.1	1578.8	1573.6
71.5°	1545.0	1538.6	1529.1	1525.9	1521.7
72°	1491.0	1485.7	1476.2	1474.1	1468.8
72.5°	1437.0	1432.8	1423.3	1421.2	1416.9
73°	1383.1	1378.8	1369.3	1367.2	1364.0
73.5°	1330.2	1325.9	1317.5	1314.3	1311.1
74°	1277.3	1274.1	1265.6	1263.5	1259.3
74.5°	1223.3	1221.2	1213.8	1210.6	1207.4
75°	1169.3	1169.3	1161.9	1159.8	1156.6
75.5°	1117.5	1117.5	1110.1	1107.9	1104.8
76°	1065.6	1065.6	1058.2	1056.2	1052.0
76.5°	1013.2	1013.7	1007.4	1005.2	1001.7
77°	963.1	963.5	957.9	955.0	951.5
77.5°	909.4	912.0	907.3	904.8	901.3
78°	859.4	862.5	857.8	855.8	852.8
78.5°	812.2	814.2	811.1	808.7	804.6
79°	762.8	764.3	762.3	760.2	756.2
79.5°	714.1	716.7	715.3	713.4	708.8
80°	667.4	669.3	669.6	666.8	662.4
80.5°	618.3	622.2	622.9	620.0	617.8
81°	572.9	576.6	577.7	576.0	573.0
81.5°	528.3	532.6	533.5	532.6	528.8
82°	483.5	488.8	490.4	489.6	485.4
82.5°	440.7	446.7	448.4	447.7	443.8
83°	399.3	405.7	407.3	407.8	404.2
83.5°	359.2	365.3	367.3	367.9	364.0
84°	320.6	326.1	328.7	329.7	326.5
84.5°	284.0	288.5	291.5	292.9	291.3
85°	249.5	252.7	255.6	257.5	255.2
85.5°	216.1	218.6	220.7	223.7	221.9
86°	185.0	187.5	189.0	191.3	191.3
86.5°	155.3	156.5	157.7	160.4	160.4
87°	127.0	127.1	127.5	131.0	131.1
87.5°	98.0	98.8	99.3	102.3	103.4
88°	69.1	71.5	72.2	75.0	74.8
88.5°	48.9	48.9	48.8	51.6	52.3



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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°	1.0	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°	1.0	0.7	0.8	0.8	1.0
94°	1.0	0.8	1.0	0.8	1.1
94.5°	1.0	1.0	0.8	1.0	1.0
95°	1.0	0.7	1.0	0.8	1.1
95.5°	0.8	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°	1.7	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-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.6	2.8	2.6	2.4
113°	2.9	2.5	2.5	2.6	2.6
113.5°	2.9	2.9	2.9	3.0	3.0
114°	3.0	3.0	3.1	3.1	3.0
114.5°	3.2	3.2	3.1	3.1	2.9
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°	4.7	4.7	4.6	4.4	4.6
120.5°	4.8	4.6	4.8	4.7	4.6
121°	4.8	4.8	4.8	4.8	4.6
121.5°	5.3	5.1	5.0	4.8	4.8
122°	5.0	5.3	5.1	5.0	5.1
122.5°	5.4	5.3	5.2	5.2	5.0
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	5.0	5.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.5	5.2	5.0	4.9	5.3
135.5°	5.2	5.3	5.0	4.8	5.1
136°	5.1	5.0	4.8	4.6	5.1
136.5°	5.2	5.0	4.8	4.6	5.0
137°	5.1	4.9	4.8	4.6	4.9
137.5°	5.0	4.8	4.7	4.3	4.7
138°	4.9	4.7	4.4	4.3	4.7
138.5°	5.0	4.7	4.6	4.2	4.6
139°	4.3	4.6	4.4	4.0	4.7
139.5°	4.7	4.3	4.2	4.1	4.6
140°	4.6	4.2	4.3	4.0	4.2
140.5°	4.6	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-L840-CFD2

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	4.6	4.3
168°	4.1	4.1	3.9	4.4	4.2
168.5°	4.0	4.3	4.1	4.8	4.3
169°	4.3	4.2	3.9	4.8	4.3
169.5°	4.2	4.2	4.0	4.7	4.4
170°	4.3	4.2	4.1	4.8	4.3
170.5°	4.3	4.4	4.1	4.8	4.6
171°	4.3	4.3	4.3	4.8	4.7
171.5°	4.2	4.3	4.3	4.9	4.4
172°	4.2	4.3	4.4	4.9	4.6
172.5°	4.4	4.4	4.6	4.9	4.6
173°	4.2	4.2	4.6	4.9	4.7
173.5°	4.6	4.4	4.7	4.8	4.8
174°	4.7	4.7	5.0	4.9	4.7
174.5°	4.7	4.9	4.9	5.1	4.9
175°	5.0	4.9	5.0	5.1	4.8
175.5°	5.0	4.9	5.2	5.0	5.0
176°	5.2	5.1	5.0	4.9	4.9
176.5°	5.3	5.0	5.1	4.7	4.9
177°	5.1	5.0	4.8	4.7	4.9
177.5°	5.2	5.0	4.7	4.6	5.0
178°	4.9	4.8	4.6	4.6	4.7
178.5°	4.8	4.7	4.4	4.4	4.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-160-L840-CFD2

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°	4349.2	4343.9	4322.8	4302.7	4294.2
22°	4347.1	4341.8	4319.6	4299.5	4291.0



44°	3893.1	3877.3	3845.5	3826.5	3813.8
44.5°	3868.8	3851.9	3822.2	3802.1	3789.4



66.5°	2079.4	2070.9	2055.0	2049.7	2044.5
67°	2027.5	2018.0	2003.2	1997.9	1993.7



89°	30.9	30.4	30.1	31.6	32.1
89.5°	13.7	13.9	13.5	14.5	14.3



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	4.9	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°	4.6	4.4	4.2	4.3	4.6
179.5°	4.0	4.2	4.1	4.0	4.3



(END OF REPORT)