

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-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-180-L950-CFD2
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS
AND 5000K CCT, 90CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

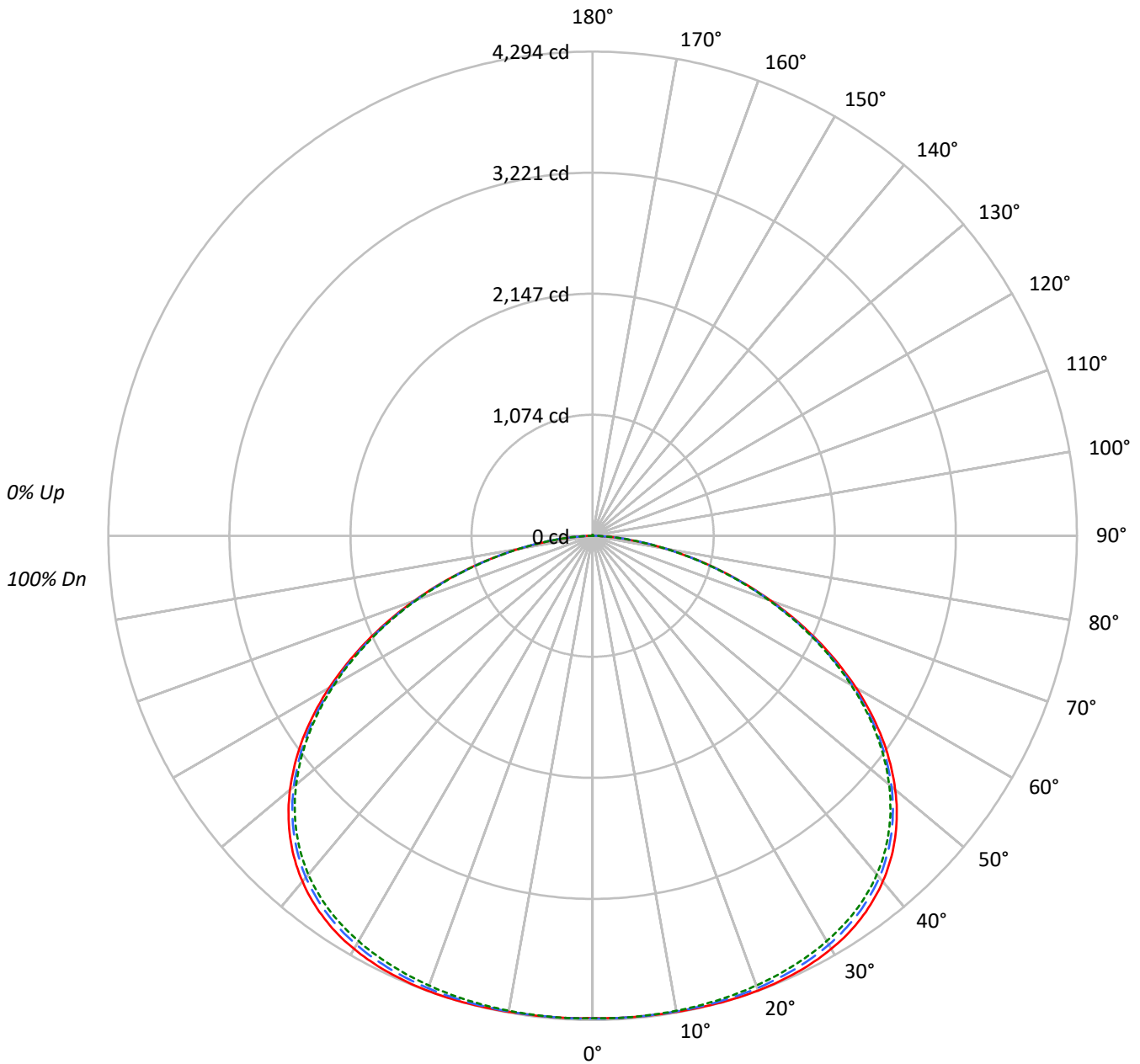
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15494.0 lumens
Efficiency: N/A
Efficacy: 106.3 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): 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





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°	3055	3055	3055
5°	3058	3053	3057
10°	3085	3072	3077
15°	3137	3113	3117
20°	3210	3173	3175
25°	3301	3249	3250
30°	3403	3336	3339
35°	3507	3425	3436
40°	3600	3507	3527
45°	3670	3564	3595
50°	3701	3583	3626
55°	3677	3547	3605
60°	3584	3441	3519
65°	3411	3259	3356
70°	3141	2978	3092
75°	2742	2577	2712
80°	2176	2020	2160
85°	1352	1219	1383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.9	2.6
10°-20°	1212.8	7.8
20°-30°	1960.5	12.7
30°-40°	2567.9	16.6
40°-50°	2888.4	18.6
50°-60°	2763.9	17.8
60°-70°	2155.6	13.9
70°-80°	1214.8	7.8
80°-90°	300.6	1.9
90°-100°	1.0	0.0
100°-110°	1.8	0.0
110°-120°	3.2	0.0
120°-130°	4.9	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°	3582.2	23.1
0°-40°	6150.1	39.7
0°-60°	11802.5	76.2
0°-90°	15473.5	99.9
90°-120°	6.0	0.0
90°-150°	17.1	0.1
90°-180°	20.0	0.1
0°-180°	15494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4279	4279	4279	4279	4279	
5°	4283	4284	4283	4283	4282	409
15°	4293	4292	4281	4272	4266	1217
25°	4275	4268	4241	4217	4208	1976
35°	4145	4132	4097	4072	4061	2595
45°	3792	3775	3745	3727	3713	2921
55°	3135	3118	3096	3083	3074	2794
65°	2205	2197	2180	2174	2170	2177
75°	1153	1153	1146	1144	1141	1222
85°	246	249	252	254	252	285
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°	5	5	5	5	5	4
145°	4	4	4	3	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	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4279.0	4279.0	4279.0	4279.0	4279.0
0.5°	4277.9	4281.1	4282.1	4281.1	4279.0
1°	4279.0	4281.1	4282.1	4282.1	4280.0
1.5°	4280.0	4282.1	4282.1	4282.1	4281.1
2°	4280.0	4282.1	4282.1	4283.2	4281.1
2.5°	4281.1	4283.2	4283.2	4283.2	4281.1
3°	4282.1	4283.2	4283.2	4283.2	4282.1
3.5°	4282.1	4283.2	4283.2	4283.2	4282.1
4°	4283.2	4283.2	4283.2	4283.2	4282.1
4.5°	4283.2	4284.2	4283.2	4283.2	4282.1
5°	4283.2	4284.2	4283.2	4283.2	4282.1
5.5°	4283.2	4284.2	4283.2	4283.2	4282.1
6°	4284.2	4284.2	4283.2	4283.2	4281.1
6.5°	4284.2	4285.3	4284.2	4283.2	4281.1
7°	4284.2	4285.3	4283.2	4283.2	4281.1
7.5°	4284.2	4285.3	4283.2	4282.1	4280.0
8°	4285.3	4285.3	4284.2	4282.1	4280.0
8.5°	4285.3	4286.3	4283.2	4282.1	4279.0
9°	4286.3	4286.3	4284.2	4281.1	4279.0
9.5°	4286.3	4287.3	4283.2	4281.1	4277.9
10°	4287.3	4287.3	4283.2	4280.0	4276.9
10.5°	4288.4	4288.4	4283.2	4280.0	4276.9
11°	4288.4	4288.4	4283.2	4279.0	4275.9
11.5°	4289.4	4289.4	4283.2	4277.9	4274.8
12°	4289.4	4289.4	4283.2	4277.9	4273.8
12.5°	4290.5	4289.4	4282.1	4276.9	4272.7
13°	4290.5	4289.4	4282.1	4275.9	4271.7
13.5°	4291.5	4290.5	4282.1	4274.8	4270.6
14°	4291.5	4290.5	4282.1	4273.8	4268.6
14.5°	4292.6	4290.5	4281.1	4272.7	4267.5
15°	4292.6	4291.5	4281.1	4271.7	4266.5
15.5°	4293.6	4291.5	4280.0	4269.6	4264.4
16°	4292.6	4291.5	4279.0	4268.6	4262.3
16.5°	4293.6	4291.5	4279.0	4266.5	4260.2
17°	4293.6	4290.5	4277.9	4264.4	4259.2
17.5°	4293.6	4290.5	4275.9	4263.3	4257.1
18°	4293.6	4290.5	4274.8	4261.3	4253.9
18.5°	4293.6	4289.4	4273.8	4259.2	4251.9
19°	4292.6	4289.4	4272.7	4257.1	4249.8
19.5°	4292.6	4288.4	4270.6	4253.9	4246.6
20°	4291.5	4287.3	4268.6	4251.9	4244.6
20.5°	4290.5	4286.3	4267.5	4249.8	4241.4
21°	4290.5	4285.3	4265.4	4246.6	4238.3



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4286.3	4280.0	4258.1	4237.2	4227.9
23°	4284.2	4277.9	4255.0	4234.1	4224.7
23.5°	4282.1	4275.9	4251.9	4229.9	4220.5
24°	4280.0	4273.8	4248.7	4225.8	4216.4
24.5°	4277.9	4270.6	4245.6	4221.6	4212.2
25°	4274.8	4267.5	4241.4	4217.4	4208.0
25.5°	4271.7	4264.4	4237.2	4213.2	4202.8
26°	4268.6	4261.3	4233.1	4209.1	4198.6
26.5°	4265.4	4257.1	4228.9	4203.8	4193.4
27°	4261.3	4252.9	4223.7	4198.6	4188.2
27.5°	4257.1	4248.7	4218.5	4193.4	4183.0
28°	4252.9	4243.5	4213.2	4188.2	4177.8
28.5°	4247.7	4238.3	4208.0	4181.9	4171.5
29°	4242.5	4233.1	4201.8	4175.7	4165.2
29.5°	4237.2	4226.8	4195.5	4169.4	4157.9
30°	4231.0	4220.5	4188.2	4162.1	4150.6
30.5°	4224.7	4214.3	4180.9	4154.8	4144.4
31°	4217.4	4207.0	4173.6	4147.5	4136.0
31.5°	4211.2	4199.7	4165.2	4140.2	4128.7
32°	4202.8	4191.3	4157.9	4131.8	4120.4
32.5°	4194.5	4183.0	4148.5	4122.4	4111.0
33°	4186.1	4173.6	4139.1	4114.1	4101.6
33.5°	4176.7	4164.2	4129.7	4104.7	4092.2
34°	4166.3	4153.8	4119.3	4094.3	4082.8
34.5°	4155.8	4143.3	4108.9	4083.8	4072.3
35°	4145.4	4131.8	4097.4	4072.3	4060.9
35.5°	4133.9	4120.4	4085.9	4060.9	4049.4
36°	4122.4	4107.8	4073.4	4049.4	4036.9
36.5°	4108.9	4095.3	4060.9	4036.9	4025.4
37°	4095.3	4081.7	4047.3	4023.3	4011.8
37.5°	4081.7	4067.1	4033.7	4009.7	3997.2
38°	4067.1	4053.6	4019.1	3996.2	3983.6
38.5°	4052.5	4037.9	4003.5	3980.5	3969.0
39°	4036.9	4021.2	3987.8	3965.9	3953.4
39.5°	4020.2	4004.5	3972.2	3949.2	3937.7
40°	4002.4	3987.8	3954.4	3932.5	3921.0
40.5°	3985.7	3970.1	3936.7	3915.8	3903.3
41°	3966.9	3951.3	3918.9	3897.0	3884.5
41.5°	3947.1	3931.5	3899.1	3878.2	3865.7
42°	3927.3	3911.6	3879.3	3859.4	3845.9
42.5°	3906.4	3890.8	3858.4	3838.6	3826.0
43°	3885.5	3868.8	3837.5	3817.7	3805.2
43.5°	3863.6	3846.9	3815.6	3795.8	3783.3



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	3791.6	3774.9	3744.6	3726.9	3713.3
45.5°	3766.6	3748.8	3719.6	3701.9	3689.3
46°	3740.5	3722.7	3693.5	3675.8	3663.2
46.5°	3713.3	3695.6	3667.4	3649.7	3637.1
47°	3685.2	3668.5	3639.2	3623.6	3610.0
47.5°	3657.0	3639.2	3611.1	3595.4	3581.8
48°	3628.8	3610.0	3582.9	3566.2	3552.6
48.5°	3598.5	3580.8	3553.7	3538.0	3525.5
49°	3566.2	3549.5	3522.3	3505.6	3494.2
49.5°	3534.9	3518.2	3491.0	3475.4	3462.9
50°	3502.5	3484.8	3459.7	3444.1	3431.5
50.5°	3469.1	3451.4	3426.3	3410.7	3399.2
51°	3435.7	3418.0	3392.9	3377.3	3364.7
51.5°	3400.2	3382.5	3357.4	3342.8	3331.4
52°	3364.7	3347.0	3322.0	3308.4	3296.9
52.5°	3329.3	3311.5	3286.5	3271.9	3261.4
53°	3290.6	3274.0	3251.0	3237.4	3225.9
53.5°	3252.0	3235.3	3212.4	3198.8	3188.4
54°	3213.4	3196.7	3173.8	3160.2	3150.8
54.5°	3175.8	3158.1	3136.2	3122.6	3113.2
55°	3135.1	3118.4	3096.5	3083.0	3073.6
55.5°	3094.4	3077.7	3055.8	3042.3	3033.9
56°	3051.7	3036.0	3014.1	3002.6	2994.3
56.5°	3008.9	2994.3	2972.3	2960.9	2952.5
57°	2967.1	2951.5	2930.6	2920.2	2911.8
57.5°	2925.4	2908.7	2887.8	2877.4	2869.0
58°	2879.4	2863.8	2844.0	2833.5	2826.2
58.5°	2834.6	2820.0	2799.1	2789.7	2782.4
59°	2789.7	2775.1	2755.3	2745.9	2738.6
59.5°	2742.7	2729.2	2709.3	2699.9	2692.6
60°	2696.8	2682.2	2663.4	2655.1	2647.8
60.5°	2649.8	2637.3	2617.5	2609.1	2601.8
61°	2601.8	2589.3	2570.5	2562.2	2554.9
61.5°	2552.8	2542.3	2523.6	2515.2	2509.0
62°	2504.8	2494.3	2475.6	2468.2	2462.0
62.5°	2455.7	2445.3	2426.5	2419.2	2412.9
63°	2406.7	2396.2	2378.5	2371.2	2364.9
63.5°	2356.6	2346.1	2329.4	2322.1	2315.9
64°	2306.5	2296.0	2278.3	2273.1	2265.8
64.5°	2256.4	2245.9	2228.2	2223.0	2216.7
65°	2205.2	2196.9	2180.2	2173.9	2169.8
65.5°	2155.2	2144.7	2129.1	2123.8	2117.6
66°	2101.9	2093.6	2077.9	2072.7	2068.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1947.5	1938.1	1924.5	1919.3	1914.1
68°	1894.2	1885.9	1872.3	1868.1	1862.9
68.5°	1841.0	1832.7	1819.1	1816.0	1812.8
69°	1787.8	1779.4	1768.0	1764.8	1760.6
69.5°	1735.6	1727.3	1716.8	1713.7	1708.5
70°	1682.4	1675.1	1664.6	1661.5	1656.3
70.5°	1629.1	1621.8	1612.4	1609.3	1604.1
71°	1575.9	1569.7	1561.3	1557.1	1551.9
71.5°	1523.7	1517.5	1508.1	1505.0	1500.8
72°	1470.5	1465.3	1455.9	1453.8	1448.6
72.5°	1417.3	1413.1	1403.7	1401.6	1397.5
73°	1364.1	1359.9	1350.5	1348.4	1345.3
73.5°	1311.9	1307.7	1299.4	1296.2	1293.1
74°	1259.7	1256.6	1248.2	1246.1	1242.0
74.5°	1206.5	1204.4	1197.1	1193.9	1190.8
75°	1153.2	1153.2	1145.9	1143.8	1140.7
75.5°	1102.1	1102.1	1094.8	1092.7	1089.6
76°	1051.0	1051.0	1043.7	1041.7	1037.5
76.5°	999.3	999.7	993.6	991.4	987.9
77°	949.8	950.2	944.7	941.9	938.5
77.5°	896.9	899.4	894.8	892.3	888.9
78°	847.6	850.7	846.0	844.0	841.1
78.5°	801.0	803.0	800.0	797.6	793.5
79°	752.3	753.8	751.9	749.8	745.8
79.5°	704.3	706.9	705.5	703.6	699.0
80°	658.2	660.1	660.4	657.6	653.3
80.5°	609.8	613.7	614.3	611.5	609.3
81°	565.0	568.7	569.7	568.1	565.1
81.5°	521.0	525.3	526.2	525.3	521.5
82°	476.8	482.1	483.6	482.9	478.7
82.5°	434.7	440.5	442.2	441.6	437.7
83°	393.8	400.1	401.7	402.2	398.7
83.5°	354.2	360.3	362.3	362.9	359.0
84°	316.2	321.7	324.2	325.2	322.0
84.5°	280.1	284.5	287.5	288.9	287.3
85°	246.1	249.2	252.0	253.9	251.7
85.5°	213.1	215.6	217.7	220.6	218.9
86°	182.4	184.9	186.4	188.7	188.7
86.5°	153.2	154.4	155.5	158.2	158.2
87°	125.2	125.3	125.8	129.2	129.3
87.5°	96.6	97.5	97.9	100.9	102.0
88°	68.2	70.6	71.2	74.0	73.8
88.5°	48.2	48.2	48.1	50.9	51.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFD2

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	1.0
94.5°	0.9	0.9	0.8	0.9	0.9
95°	0.9	0.7	0.9	0.8	1.0
95.5°	0.8	0.9	1.0	0.9	1.0
96°	1.1	1.1	0.9	0.9	1.0
96.5°	1.1	1.0	1.0	0.9	1.0
97°	1.1	1.0	1.1	0.9	1.3
97.5°	1.3	1.0	1.0	0.9	1.3
98°	1.4	1.1	1.1	1.1	1.4
98.5°	1.4	1.1	1.0	1.0	1.3
99°	1.3	1.3	1.1	1.0	1.1
99.5°	1.4	1.0	1.3	1.1	1.1
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-180-L950-CFD2

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	3.0	3.0	2.9
114.5°	3.1	3.1	3.0	3.0	2.8
115°	3.1	3.1	3.0	3.1	3.0
115.5°	3.4	3.1	3.3	3.2	3.0
116°	3.3	3.4	3.4	3.3	3.2
116.5°	3.5	3.5	3.5	3.5	3.4
117°	3.8	3.8	3.8	3.8	3.3
117.5°	4.0	3.8	3.9	3.8	3.5
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°	5.2	5.0	4.9	4.7	4.7
122°	4.9	5.2	5.0	4.9	5.0
122.5°	5.3	5.2	5.1	5.1	4.9
123°	5.4	5.4	5.2	5.2	5.1
123.5°	5.4	5.6	5.3	5.1	5.3
124°	5.5	5.6	5.5	5.3	5.3
124.5°	5.8	5.6	5.5	5.4	5.4
125°	6.1	5.8	5.7	5.6	5.6
125.5°	6.1	5.9	5.7	5.6	5.7
126°	6.1	5.8	5.7	5.7	5.6
126.5°	5.8	5.9	6.1	5.7	5.8
127°	6.1	6.1	5.8	5.7	5.6
127.5°	6.3	6.2	6.1	5.7	5.6
128°	6.3	5.9	5.9	5.7	5.8
128.5°	6.1	6.1	5.8	5.6	5.8
129°	5.9	5.9	5.8	5.7	5.6
129.5°	5.8	5.9	5.8	5.7	5.7
130°	5.8	5.9	5.7	5.5	5.6
130.5°	6.1	5.8	5.8	5.3	5.6
131°	5.7	5.7	5.7	5.4	5.5
131.5°	5.8	5.6	5.4	5.3	5.4
132°	5.7	5.5	5.5	5.3	5.3
132.5°	5.7	5.5	5.4	5.3	5.4
133°	5.5	5.3	5.3	5.0	5.2
133.5°	5.6	5.3	5.1	4.9	5.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L950-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.4	5.1	4.9	4.8	5.2
135.5°	5.1	5.2	4.9	4.7	5.0
136°	5.0	4.9	4.7	4.5	5.0
136.5°	5.1	4.9	4.7	4.5	4.9
137°	5.0	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	3.5	3.8
144.5°	3.9	3.8	3.9	3.7	3.8
145°	4.0	3.8	3.9	3.4	3.8
145.5°	3.9	3.7	3.8	3.4	4.0
146°	3.9	3.7	3.5	3.4	3.8
146.5°	4.0	3.7	3.5	3.4	3.8
147°	3.9	3.7	3.4	3.5	3.5
147.5°	3.8	3.7	3.4	3.5	3.9
148°	3.9	3.7	3.5	3.4	3.9
148.5°	4.0	3.8	3.5	3.4	3.9
149°	3.9	3.7	3.5	3.4	3.9
149.5°	4.1	3.5	3.5	3.4	4.0
150°	4.0	3.8	3.5	3.4	3.9
150.5°	3.9	3.7	3.5	3.5	3.9
151°	4.1	3.7	3.4	3.5	4.1
151.5°	4.0	3.8	3.4	3.5	4.1
152°	4.1	3.8	3.7	3.8	3.9
152.5°	4.1	3.9	3.5	3.7	4.1
153°	4.0	3.8	3.7	3.9	4.2
153.5°	4.3	3.9	3.5	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-180-L950-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	4.5	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	5.0	4.8
175°	4.9	4.8	4.9	5.0	4.7
175.5°	4.9	4.8	5.1	4.9	4.9
176°	5.1	5.0	4.9	4.8	4.8
176.5°	5.2	4.9	5.0	4.6	4.8
177°	5.0	4.9	4.7	4.6	4.8
177.5°	5.1	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-180-L950-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°	4289.4	4284.2	4263.3	4243.5	4235.2
22°	4287.3	4282.1	4260.2	4240.4	4232.0



44°	3839.6	3824.0	3792.6	3773.9	3761.3
44.5°	3815.6	3798.9	3769.7	3749.9	3737.3



66.5°	2050.8	2042.4	2026.8	2021.6	2016.3
67°	1999.6	1990.3	1975.6	1970.4	1966.2



89°	30.5	30.0	29.6	31.2	31.6
89.5°	13.5	13.7	13.4	14.3	14.1



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



134°	5.3	5.2	5.1	5.0	5.3
134.5°	5.4	5.1	5.1	4.8	5.0



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)