

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-L830-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-L830-CFD2
Description: 18000 LUMEN 4X4 IN DEPTH LED LUMINAIRE, WITH DROPPED 2IN CUBE LENS
AND 3000K CCT, 80CRI LEDS
Light Source: -
Ballast/Driver:
Luminaire Equipment: Sample No. Condition Description

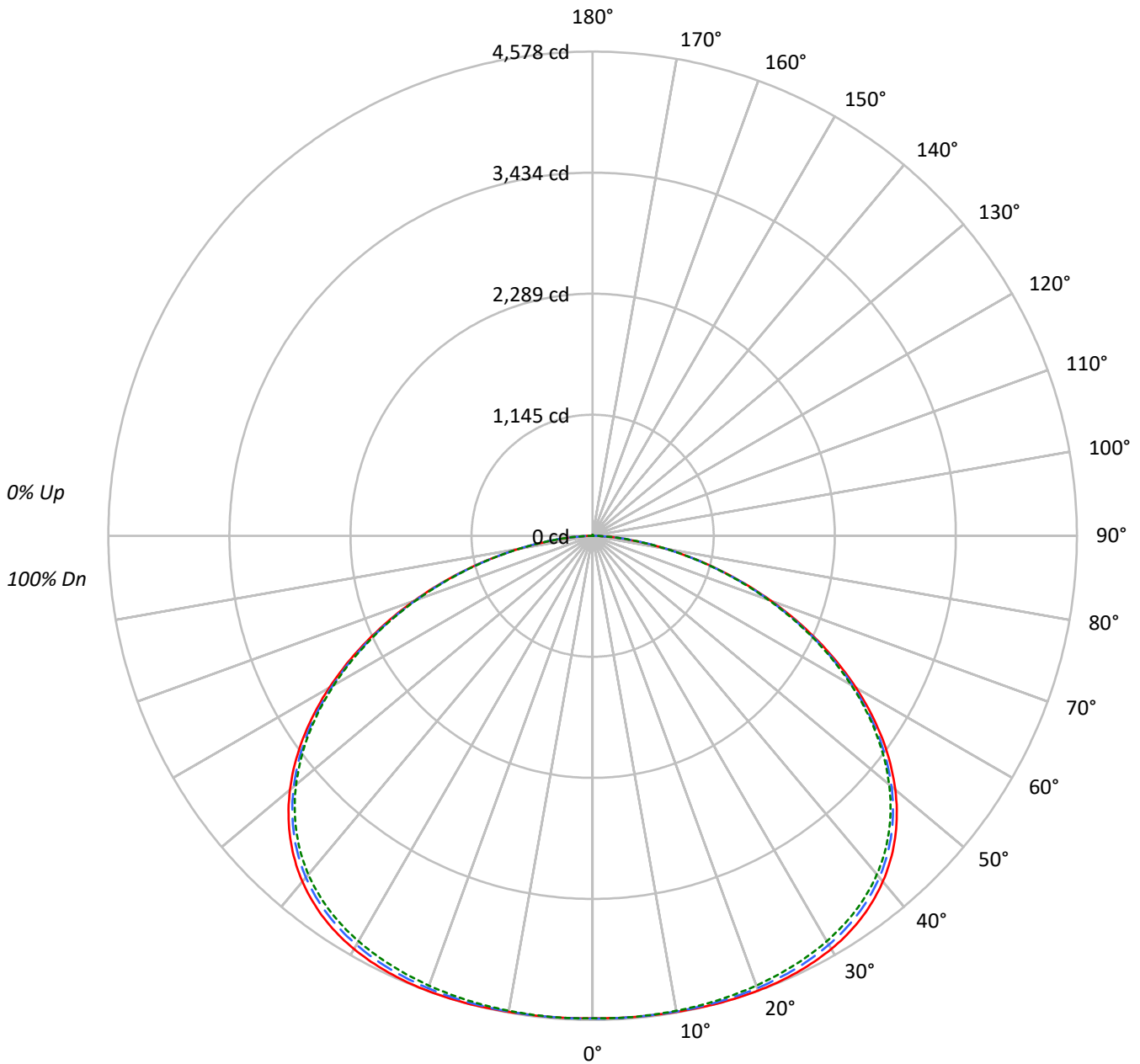
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16521.0 lumens
Efficiency: N/A
Efficacy: 113.3 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





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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°	3257	3257	3257
5°	3261	3256	3260
10°	3289	3276	3281
15°	3344	3320	3324
20°	3423	3383	3385
25°	3520	3464	3465
30°	3629	3557	3560
35°	3740	3652	3664
40°	3839	3739	3761
45°	3914	3800	3833
50°	3946	3821	3866
55°	3921	3782	3843
60°	3822	3669	3752
65°	3637	3475	3579
70°	3349	3175	3298
75°	2924	2748	2892
80°	2321	2154	2303
85°	1442	1299	1475



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.0	2.6
10°-20°	1293.2	7.8
20°-30°	2090.5	12.7
30°-40°	2738.1	16.6
40°-50°	3079.9	18.6
50°-60°	2947.1	17.8
60°-70°	2298.5	13.9
70°-80°	1295.3	7.8
80°-90°	320.5	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°	3819.6	23.1
0°-40°	6557.8	39.7
0°-60°	12584.8	76.2
0°-90°	16499.2	99.9
90°-120°	6.3	0.0
90°-150°	18.3	0.1
90°-180°	22.0	0.1
0°-180°	16521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4563	4563	4563	4563	4563	
5°	4567	4568	4567	4567	4566	436
15°	4577	4576	4565	4555	4549	1297
25°	4558	4550	4523	4497	4487	2107
35°	4420	4406	4369	4342	4330	2767
45°	4043	4025	3993	3974	3960	3114
55°	3343	3325	3302	3287	3277	2980
65°	2351	2342	2325	2318	2314	2321
75°	1230	1230	1222	1220	1216	1303
85°	262	266	269	271	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	6	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4562.6	4562.6	4562.6	4562.6	4562.6
0.5°	4561.5	4564.8	4566.0	4564.8	4562.6
1°	4562.6	4564.8	4566.0	4566.0	4563.7
1.5°	4563.7	4566.0	4566.0	4566.0	4564.8
2°	4563.7	4566.0	4566.0	4567.1	4564.8
2.5°	4564.8	4567.1	4567.1	4567.1	4564.8
3°	4566.0	4567.1	4567.1	4567.1	4566.0
3.5°	4566.0	4567.1	4567.1	4567.1	4566.0
4°	4567.1	4567.1	4567.1	4567.1	4566.0
4.5°	4567.1	4568.2	4567.1	4567.1	4566.0
5°	4567.1	4568.2	4567.1	4567.1	4566.0
5.5°	4567.1	4568.2	4567.1	4567.1	4566.0
6°	4568.2	4568.2	4567.1	4567.1	4564.8
6.5°	4568.2	4569.3	4568.2	4567.1	4564.8
7°	4568.2	4569.3	4567.1	4567.1	4564.8
7.5°	4568.2	4569.3	4567.1	4566.0	4563.7
8°	4569.3	4569.3	4568.2	4566.0	4563.7
8.5°	4569.3	4570.4	4567.1	4566.0	4562.6
9°	4570.4	4570.4	4568.2	4564.8	4562.6
9.5°	4570.4	4571.5	4567.1	4564.8	4561.5
10°	4571.5	4571.5	4567.1	4563.7	4560.4
10.5°	4572.6	4572.6	4567.1	4563.7	4560.4
11°	4572.6	4572.6	4567.1	4562.6	4559.3
11.5°	4573.7	4573.7	4567.1	4561.5	4558.2
12°	4573.7	4573.7	4567.1	4561.5	4557.1
12.5°	4574.9	4573.7	4566.0	4560.4	4555.9
13°	4574.9	4573.7	4566.0	4559.3	4554.8
13.5°	4576.0	4574.9	4566.0	4558.2	4553.7
14°	4576.0	4574.9	4566.0	4557.1	4551.5
14.5°	4577.1	4574.9	4564.8	4555.9	4550.4
15°	4577.1	4576.0	4564.8	4554.8	4549.3
15.5°	4578.2	4576.0	4563.7	4552.6	4547.0
16°	4577.1	4576.0	4562.6	4551.5	4544.8
16.5°	4578.2	4576.0	4562.6	4549.3	4542.6
17°	4578.2	4574.9	4561.5	4547.0	4541.5
17.5°	4578.2	4574.9	4559.3	4545.9	4539.3
18°	4578.2	4574.9	4558.2	4543.7	4535.9
18.5°	4578.2	4573.7	4557.1	4541.5	4533.7
19°	4577.1	4573.7	4555.9	4539.3	4531.5
19.5°	4577.1	4572.6	4553.7	4535.9	4528.1
20°	4576.0	4571.5	4551.5	4533.7	4525.9
20.5°	4574.9	4570.4	4550.4	4531.5	4522.6
21°	4574.9	4569.3	4548.2	4528.1	4519.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	4570.4	4563.7	4540.4	4518.1	4508.1
23°	4568.2	4561.5	4537.0	4514.8	4504.8
23.5°	4566.0	4559.3	4533.7	4510.3	4500.3
24°	4563.7	4557.1	4530.3	4505.9	4495.9
24.5°	4561.5	4553.7	4527.0	4501.4	4491.4
25°	4558.2	4550.4	4522.6	4497.0	4486.9
25.5°	4554.8	4547.0	4518.1	4492.5	4481.4
26°	4551.5	4543.7	4513.7	4488.1	4476.9
26.5°	4548.2	4539.3	4509.2	4482.5	4471.4
27°	4543.7	4534.8	4503.6	4476.9	4465.8
27.5°	4539.3	4530.3	4498.1	4471.4	4460.2
28°	4534.8	4524.8	4492.5	4465.8	4454.7
28.5°	4529.2	4519.2	4486.9	4459.1	4448.0
29°	4523.7	4513.7	4480.3	4452.4	4441.3
29.5°	4518.1	4507.0	4473.6	4445.8	4433.5
30°	4511.4	4500.3	4465.8	4438.0	4425.7
30.5°	4504.8	4493.6	4458.0	4430.2	4419.1
31°	4497.0	4485.8	4450.2	4422.4	4410.2
31.5°	4490.3	4478.0	4441.3	4414.6	4402.4
32°	4481.4	4469.1	4433.5	4405.7	4393.5
32.5°	4472.5	4460.2	4423.5	4395.7	4383.5
33°	4463.6	4450.2	4413.5	4386.8	4373.4
33.5°	4453.6	4440.2	4403.5	4376.8	4363.4
34°	4442.4	4429.1	4392.4	4365.6	4353.4
34.5°	4431.3	4418.0	4381.2	4354.5	4342.3
35°	4420.2	4405.7	4369.0	4342.3	4330.0
35.5°	4407.9	4393.5	4356.7	4330.0	4317.8
36°	4395.7	4380.1	4343.4	4317.8	4304.4
36.5°	4381.2	4366.8	4330.0	4304.4	4292.2
37°	4366.8	4352.3	4315.6	4290.0	4277.7
37.5°	4352.3	4336.7	4301.1	4275.5	4262.2
38°	4336.7	4322.2	4285.5	4261.0	4247.7
38.5°	4321.1	4305.6	4268.8	4244.3	4232.1
39°	4304.4	4287.8	4252.1	4228.8	4215.4
39.5°	4286.6	4269.9	4235.4	4211.0	4198.7
40°	4267.7	4252.1	4216.5	4193.2	4180.9
40.5°	4249.9	4233.2	4197.6	4175.4	4162.0
41°	4229.9	4213.2	4178.7	4155.3	4142.0
41.5°	4208.7	4192.0	4157.5	4135.3	4121.9
42°	4187.6	4170.9	4136.4	4115.3	4100.8
42.5°	4165.3	4148.6	4114.1	4093.0	4079.7
43°	4143.1	4125.3	4091.9	4070.7	4057.4
43.5°	4119.7	4101.9	4068.5	4047.4	4034.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	4042.9	4025.1	3992.8	3973.9	3959.5
45.5°	4016.2	3997.3	3966.1	3947.2	3933.9
46°	3988.4	3969.5	3938.3	3919.4	3906.0
46.5°	3959.5	3940.5	3910.5	3891.6	3878.2
47°	3929.4	3911.6	3880.5	3863.8	3849.3
47.5°	3899.4	3880.5	3850.4	3833.7	3819.2
48°	3869.3	3849.3	3820.4	3802.6	3788.1
48.5°	3837.1	3818.1	3789.2	3772.5	3759.2
49°	3802.6	3784.7	3755.8	3738.0	3725.8
49.5°	3769.2	3751.4	3722.4	3705.7	3692.4
50°	3734.7	3715.8	3689.0	3672.4	3659.0
50.5°	3699.1	3680.1	3653.4	3636.7	3624.5
51°	3663.5	3644.5	3617.8	3601.1	3587.8
51.5°	3625.6	3606.7	3580.0	3564.4	3552.2
52°	3587.8	3568.9	3542.2	3527.7	3515.4
52.5°	3549.9	3531.0	3504.3	3488.7	3477.6
53°	3508.8	3491.0	3466.5	3452.0	3439.8
53.5°	3467.6	3449.8	3425.3	3410.8	3399.7
54°	3426.4	3408.6	3384.1	3369.7	3359.6
54.5°	3386.4	3367.4	3344.1	3329.6	3319.6
55°	3343.0	3325.1	3301.8	3287.3	3277.3
55.5°	3299.6	3281.7	3258.4	3243.9	3235.0
56°	3253.9	3237.2	3213.9	3201.6	3192.7
56.5°	3208.3	3192.7	3169.4	3157.1	3148.2
57°	3163.8	3147.1	3124.8	3113.7	3104.8
57.5°	3119.3	3101.5	3079.2	3068.1	3059.2
58°	3070.3	3053.6	3032.5	3021.3	3013.6
58.5°	3022.5	3006.9	2984.6	2974.6	2966.8
59°	2974.6	2959.0	2937.9	2927.9	2920.1
59.5°	2924.5	2910.1	2888.9	2878.9	2871.1
60°	2875.6	2860.0	2840.0	2831.1	2823.3
60.5°	2825.5	2812.1	2791.0	2782.1	2774.3
61°	2774.3	2760.9	2740.9	2732.0	2724.2
61.5°	2722.0	2710.9	2690.8	2681.9	2675.3
62°	2670.8	2659.7	2639.6	2631.9	2625.2
62.5°	2618.5	2607.4	2587.3	2579.5	2572.9
63°	2566.2	2555.1	2536.1	2528.4	2521.7
63.5°	2512.8	2501.7	2483.8	2476.1	2469.4
64°	2459.4	2448.2	2429.3	2423.8	2416.0
64.5°	2405.9	2394.8	2375.9	2370.3	2363.7
65°	2351.4	2342.5	2324.7	2318.0	2313.6
65.5°	2298.0	2286.9	2270.2	2264.6	2257.9
66°	2241.2	2232.3	2215.7	2210.1	2205.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	2076.5	2066.5	2052.1	2046.5	2040.9
68°	2019.8	2010.9	1996.4	1992.0	1986.4
68.5°	1963.0	1954.1	1939.7	1936.3	1933.0
69°	1906.3	1897.4	1885.1	1881.8	1877.4
69.5°	1850.6	1841.7	1830.6	1827.3	1821.7
70°	1793.9	1786.1	1775.0	1771.6	1766.1
70.5°	1737.1	1729.3	1719.3	1716.0	1710.4
71°	1680.4	1673.7	1664.8	1660.3	1654.8
71.5°	1624.7	1618.1	1608.0	1604.7	1600.3
72°	1568.0	1562.4	1552.4	1550.2	1544.6
72.5°	1511.2	1506.8	1496.8	1494.5	1490.1
73°	1454.5	1450.0	1440.0	1437.8	1434.4
73.5°	1398.8	1394.4	1385.5	1382.1	1378.8
74°	1343.2	1339.9	1330.9	1328.7	1324.3
74.5°	1286.4	1284.2	1276.4	1273.1	1269.7
75°	1229.7	1229.7	1221.9	1219.7	1216.3
75.5°	1175.2	1175.2	1167.4	1165.1	1161.8
76°	1120.6	1120.6	1112.8	1110.7	1106.3
76.5°	1065.5	1066.0	1059.4	1057.1	1053.4
77°	1012.8	1013.2	1007.3	1004.3	1000.7
77.5°	956.4	959.0	954.1	951.5	947.8
78°	903.7	907.1	902.1	899.9	896.8
78.5°	854.1	856.2	853.0	850.4	846.1
79°	802.1	803.8	801.7	799.5	795.2
79.5°	750.9	753.7	752.3	750.3	745.4
80°	701.9	703.9	704.2	701.2	696.6
80.5°	650.2	654.3	655.0	652.0	649.7
81°	602.5	606.4	607.5	605.7	602.6
81.5°	555.5	560.1	561.1	560.1	556.1
82°	508.5	514.0	515.7	514.9	510.5
82.5°	463.5	469.7	471.5	470.8	466.7
83°	419.9	426.7	428.3	428.9	425.1
83.5°	377.7	384.2	386.3	386.9	382.8
84°	337.2	343.0	345.6	346.8	343.3
84.5°	298.7	303.4	306.6	308.0	306.4
85°	262.4	265.7	268.7	270.8	268.4
85.5°	227.2	229.9	232.1	235.3	233.4
86°	194.5	197.2	198.8	201.2	201.2
86.5°	163.4	164.6	165.8	168.7	168.7
87°	133.5	133.7	134.1	137.8	137.9
87.5°	103.0	103.9	104.4	107.6	108.7
88°	72.7	75.2	75.9	78.9	78.7
88.5°	51.4	51.4	51.3	54.3	55.0



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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-180-L830-CFD2

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	4.5
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	5.5	5.5	5.2
123°	5.8	5.8	5.6	5.6	5.5
123.5°	5.8	6.0	5.7	5.5	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°	6.5	6.2	6.1	6.0	6.0
125.5°	6.5	6.3	6.1	6.0	6.1
126°	6.5	6.2	6.1	6.1	6.0
126.5°	6.2	6.3	6.5	6.1	6.2
127°	6.5	6.5	6.2	6.1	6.0
127.5°	6.7	6.6	6.5	6.1	6.0
128°	6.7	6.3	6.3	6.1	6.2
128.5°	6.5	6.5	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°	6.5	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	5.5	5.2	5.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	5.8	5.5	5.2	5.1	5.6
135.5°	5.5	5.6	5.2	5.0	5.3
136°	5.3	5.2	5.0	4.8	5.3
136.5°	5.5	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	4.5	4.8
139°	4.6	4.8	4.7	4.2	4.9
139.5°	4.9	4.6	4.5	4.3	4.8
140°	4.8	4.5	4.6	4.2	4.5
140.5°	4.8	4.5	4.5	4.2	4.5
141°	4.6	4.5	4.3	4.0	4.2
141.5°	4.2	4.5	4.5	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	4.5
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	4.5
155°	4.1	4.1	4.1	4.2	4.6
155.5°	4.3	4.0	4.0	4.1	4.5
156°	4.1	4.1	4.1	4.1	4.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-180-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	4.1	3.9	4.0	4.2	4.3
158°	4.5	4.1	4.0	4.1	4.5
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	4.5
160.5°	4.1	4.0	4.0	4.2	4.5
161°	4.1	4.0	4.0	4.2	4.5
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	4.5	4.5
164.5°	4.0	4.3	4.2	4.5	4.6
165°	4.1	4.1	4.0	4.3	4.5
165.5°	3.9	4.1	4.0	4.7	4.5
166°	4.2	4.2	4.1	4.5	4.3
166.5°	4.2	4.1	4.0	4.6	4.1
167°	4.1	4.5	4.1	4.7	4.6
167.5°	4.2	4.5	4.2	4.8	4.6
168°	4.3	4.3	4.1	4.7	4.5
168.5°	4.2	4.6	4.3	5.0	4.6
169°	4.6	4.5	4.1	5.0	4.6
169.5°	4.5	4.5	4.2	4.9	4.7
170°	4.6	4.5	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°	4.5	4.6	4.6	5.1	4.7
172°	4.5	4.6	4.7	5.1	4.8
172.5°	4.7	4.7	4.8	5.1	4.8
173°	4.5	4.5	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	5.5	5.2	5.2
176°	5.5	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°	5.5	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-180-L830-CFD2

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°	4573.7	4568.2	4545.9	4524.8	4515.9
22°	4571.5	4566.0	4542.6	4521.4	4512.5



44°	4094.1	4077.4	4044.0	4024.0	4010.7
44.5°	4068.5	4050.7	4019.6	3998.4	3985.1



66.5°	2186.7	2177.8	2161.1	2155.6	2150.0
67°	2132.2	2122.2	2106.6	2101.0	2096.6



89°	32.5	31.9	31.6	33.3	33.7
89.5°	14.4	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	5.5	5.3	5.7
134.5°	5.8	5.5	5.5	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	4.5	4.6	4.8
179.5°	4.2	4.5	4.3	4.2	4.6



(END OF REPORT)