

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-200-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-200-L830-CFR2
Description: 20000 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

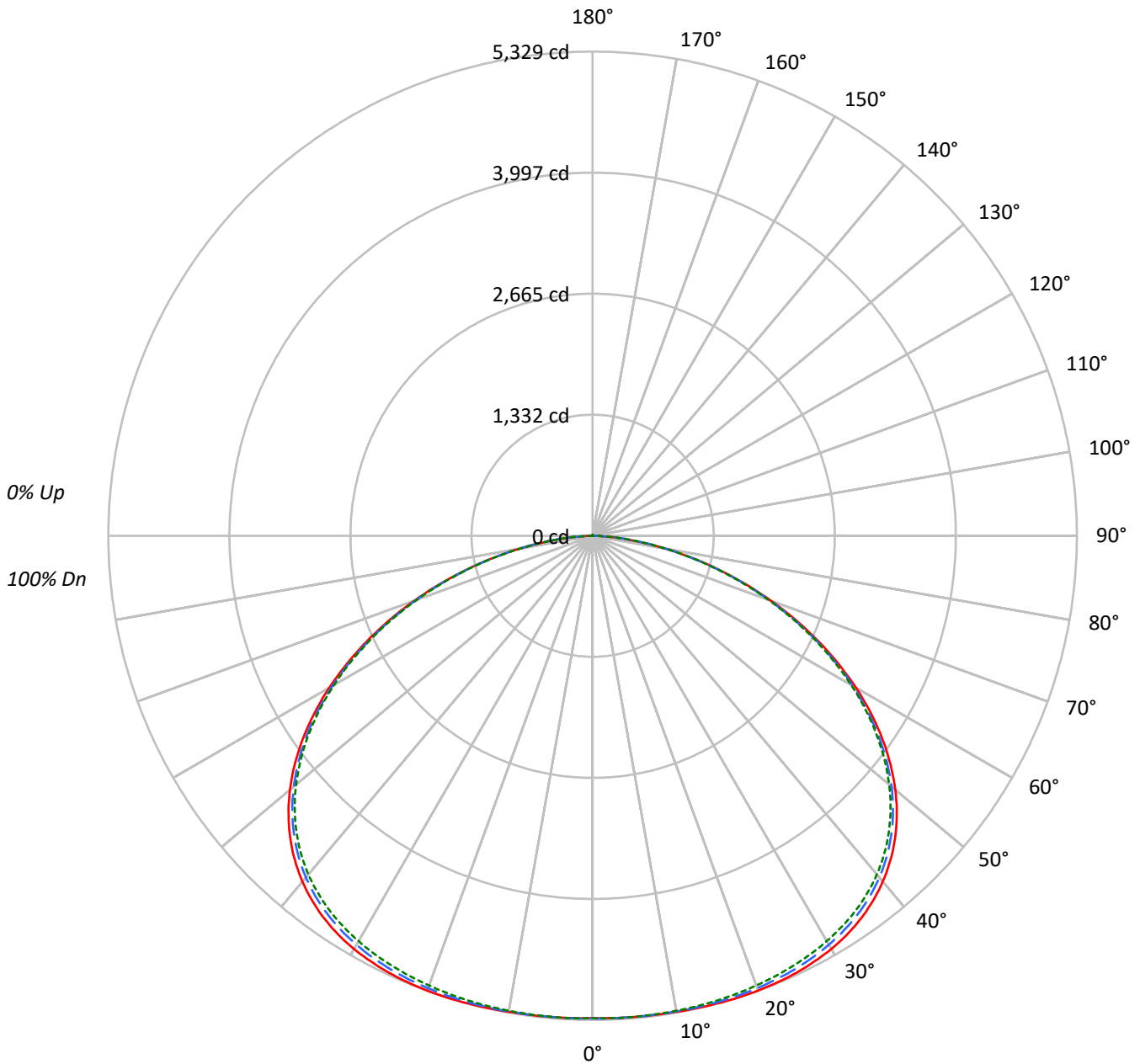
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19230.0 lumens
Efficiency: N/A
Efficacy: 117.1 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): 164.2
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-200-L830-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

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°	3791	3791	3791
5°	3810	3810	3809
10°	3857	3854	3848
15°	3938	3927	3914
20°	4046	4025	4002
25°	4179	4147	4114
30°	4329	4285	4246
35°	4484	4432	4392
40°	4629	4574	4535
45°	4751	4692	4653
50°	4828	4769	4730
55°	4843	4783	4748
60°	4779	4720	4692
65°	4623	4571	4549
70°	4358	4312	4291
75°	3948	3923	3905
80°	3359	3370	3334
85°	2502	2562	2559



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.4	2.6
10°-20°	1505.2	7.8
20°-30°	2433.3	12.7
30°-40°	3187.1	16.6
40°-50°	3584.9	18.6
50°-60°	3430.4	17.8
60°-70°	2675.4	13.9
70°-80°	1507.8	7.8
80°-90°	373.1	1.9
90°-100°	1.3	0.0
100°-110°	2.2	0.0
110°-120°	3.9	0.0
120°-130°	6.1	0.0
130°-140°	4.8	0.0
140°-150°	3.0	0.0
150°-160°	2.2	0.0
160°-170°	1.4	0.0
170°-180°	0.5	0.0
0°-30°	4446.0	23.1
0°-40°	7633.1	39.7
0°-60°	14648.3	76.2
0°-90°	19204.6	99.9
90°-120°	7.4	0.0
90°-150°	21.3	0.1
90°-180°	25.0	0.1
0°-180°	19230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5311	5311	5311	5311	5311	
5°	5316	5317	5316	5316	5315	508
15°	5328	5326	5313	5302	5295	1510
25°	5306	5296	5264	5234	5223	2452
35°	5145	5128	5085	5054	5040	3221
45°	4706	4685	4648	4626	4609	3625
55°	3891	3870	3843	3826	3815	3468
65°	2737	2727	2706	2698	2693	2702
75°	1431	1431	1422	1420	1416	1517
85°	305	309	313	315	312	354
90°	3	3	3	3	3	15
95°	1	1	1	1	1	1
105°	2	2	2	2	2	2
115°	4	4	4	4	4	4
125°	8	7	7	7	7	6
135°	7	6	6	6	6	5
145°	5	5	5	4	5	3
155°	5	5	5	5	5	2
165°	5	5	5	5	5	1
175°	6	6	6	6	6	1
180°	5	5	5	5	5	



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5310.8	5310.8	5310.8	5310.8	5310.8
0.5°	5309.5	5313.4	5314.7	5313.4	5310.8
1°	5310.8	5313.4	5314.7	5314.7	5312.1
1.5°	5312.1	5314.7	5314.7	5314.7	5313.4
2°	5312.1	5314.7	5314.7	5315.9	5313.4
2.5°	5313.4	5315.9	5315.9	5315.9	5313.4
3°	5314.7	5315.9	5315.9	5315.9	5314.7
3.5°	5314.7	5315.9	5315.9	5315.9	5314.7
4°	5315.9	5315.9	5315.9	5315.9	5314.7
4.5°	5315.9	5317.2	5315.9	5315.9	5314.7
5°	5315.9	5317.2	5315.9	5315.9	5314.7
5.5°	5315.9	5317.2	5315.9	5315.9	5314.7
6°	5317.2	5317.2	5315.9	5315.9	5313.4
6.5°	5317.2	5318.5	5317.2	5315.9	5313.4
7°	5317.2	5318.5	5315.9	5315.9	5313.4
7.5°	5317.2	5318.5	5315.9	5314.7	5312.1
8°	5318.5	5318.5	5317.2	5314.7	5312.1
8.5°	5318.5	5319.8	5315.9	5314.7	5310.8
9°	5319.8	5319.8	5317.2	5313.4	5310.8
9.5°	5319.8	5321.1	5315.9	5313.4	5309.5
10°	5321.1	5321.1	5315.9	5312.1	5308.2
10.5°	5322.4	5322.4	5315.9	5312.1	5308.2
11°	5322.4	5322.4	5315.9	5310.8	5306.9
11.5°	5323.7	5323.7	5315.9	5309.5	5305.6
12°	5323.7	5323.7	5315.9	5309.5	5304.3
12.5°	5325.0	5323.7	5314.7	5308.2	5303.0
13°	5325.0	5323.7	5314.7	5306.9	5301.7
13.5°	5326.3	5325.0	5314.7	5305.6	5300.4
14°	5326.3	5325.0	5314.7	5304.3	5297.8
14.5°	5327.6	5325.0	5313.4	5303.0	5296.5
15°	5327.6	5326.3	5313.4	5301.7	5295.2
15.5°	5328.9	5326.3	5312.1	5299.1	5292.6
16°	5327.6	5326.3	5310.8	5297.8	5290.0
16.5°	5328.9	5326.3	5310.8	5295.2	5287.5
17°	5328.9	5325.0	5309.5	5292.6	5286.2
17.5°	5328.9	5325.0	5306.9	5291.3	5283.6
18°	5328.9	5325.0	5305.6	5288.7	5279.7
18.5°	5328.9	5323.7	5304.3	5286.2	5277.1
19°	5327.6	5323.7	5303.0	5283.6	5274.5
19.5°	5327.6	5322.4	5300.4	5279.7	5270.6
20°	5326.3	5321.1	5297.8	5277.1	5268.0
20.5°	5325.0	5319.8	5296.5	5274.5	5264.1
21°	5325.0	5318.5	5293.9	5270.6	5260.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	5319.8	5312.1	5284.9	5259.0	5247.3
23°	5317.2	5309.5	5281.0	5255.1	5243.4
23.5°	5314.7	5306.9	5277.1	5249.9	5238.2
24°	5312.1	5304.3	5273.2	5244.7	5233.0
24.5°	5309.5	5300.4	5269.3	5239.5	5227.9
25°	5305.6	5296.5	5264.1	5234.3	5222.7
25.5°	5301.7	5292.6	5259.0	5229.2	5216.2
26°	5297.8	5288.7	5253.8	5224.0	5211.0
26.5°	5293.9	5283.6	5248.6	5217.5	5204.6
27°	5288.7	5278.4	5242.1	5211.0	5198.1
27.5°	5283.6	5273.2	5235.6	5204.6	5191.6
28°	5278.4	5266.7	5229.2	5198.1	5185.1
28.5°	5271.9	5260.3	5222.7	5190.3	5177.4
29°	5265.4	5253.8	5214.9	5182.5	5169.6
29.5°	5259.0	5246.0	5207.1	5174.8	5160.5
30°	5251.2	5238.2	5198.1	5165.7	5151.4
30.5°	5243.4	5230.5	5189.0	5156.6	5143.7
31°	5234.3	5221.4	5179.9	5147.6	5133.3
31.5°	5226.6	5212.3	5169.6	5138.5	5124.2
32°	5216.2	5202.0	5160.5	5128.1	5113.9
32.5°	5205.8	5191.6	5148.9	5116.5	5102.2
33°	5195.5	5179.9	5137.2	5106.1	5090.6
33.5°	5183.8	5168.3	5125.5	5094.5	5078.9
34°	5170.9	5155.3	5112.6	5081.5	5067.2
34.5°	5157.9	5142.4	5099.6	5068.5	5054.3
35°	5145.0	5128.1	5085.4	5054.3	5040.0
35.5°	5130.7	5113.9	5071.1	5040.0	5025.8
36°	5116.5	5098.3	5055.6	5025.8	5010.3
36.5°	5099.6	5082.8	5040.0	5010.3	4996.0
37°	5082.8	5066.0	5023.2	4993.4	4979.2
37.5°	5066.0	5047.8	5006.4	4976.6	4961.0
38°	5047.8	5031.0	4988.2	4959.7	4944.2
38.5°	5029.7	5011.6	4968.8	4940.3	4926.1
39°	5010.3	4990.8	4949.4	4922.2	4906.6
39.5°	4989.5	4970.1	4929.9	4901.4	4887.2
40°	4967.5	4949.4	4907.9	4880.7	4866.5
40.5°	4946.8	4927.4	4885.9	4860.0	4844.5
41°	4923.5	4904.0	4863.9	4836.7	4821.1
41.5°	4898.9	4879.4	4839.3	4813.4	4797.8
42°	4874.2	4854.8	4814.7	4790.1	4773.2
42.5°	4848.3	4828.9	4788.8	4764.1	4748.6
43°	4822.4	4801.7	4762.9	4738.2	4722.7
43.5°	4795.2	4774.5	4735.7	4711.0	4695.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	4705.9	4685.1	4647.6	4625.5	4608.7
45.5°	4674.8	4652.8	4616.5	4594.5	4578.9
46°	4642.4	4620.4	4584.1	4562.1	4546.5
46.5°	4608.7	4586.7	4551.7	4529.7	4514.2
47°	4573.7	4553.0	4516.7	4497.3	4480.5
47.5°	4538.8	4516.7	4481.8	4462.3	4445.5
48°	4503.8	4480.5	4446.8	4426.1	4409.2
48.5°	4466.2	4444.2	4410.5	4391.1	4375.6
49°	4426.1	4405.3	4371.7	4350.9	4336.7
49.5°	4387.2	4366.5	4332.8	4313.4	4297.8
50°	4347.1	4325.0	4293.9	4274.5	4259.0
50.5°	4305.6	4283.6	4252.5	4233.1	4218.8
51°	4264.2	4242.1	4211.1	4191.6	4176.1
51.5°	4220.1	4198.1	4167.0	4148.9	4134.6
52°	4176.1	4154.1	4123.0	4106.1	4091.9
52.5°	4132.0	4110.0	4078.9	4060.8	4047.8
53°	4084.1	4063.4	4034.9	4018.0	4003.8
53.5°	4036.2	4015.5	3987.0	3970.1	3957.2
54°	3988.3	3967.5	3939.0	3922.2	3910.5
54.5°	3941.6	3919.6	3892.4	3875.6	3863.9
55°	3891.1	3870.4	3843.2	3826.3	3814.7
55.5°	3840.6	3819.9	3792.7	3775.8	3765.5
56°	3787.5	3768.1	3740.9	3726.6	3716.2
56.5°	3734.4	3716.2	3689.0	3674.8	3664.4
57°	3682.6	3663.1	3637.2	3624.3	3613.9
57.5°	3630.8	3610.0	3584.1	3571.2	3560.8
58°	3573.8	3554.3	3529.7	3516.8	3507.7
58.5°	3518.1	3499.9	3474.0	3462.4	3453.3
59°	3462.4	3444.2	3419.6	3408.0	3398.9
59.5°	3404.1	3387.2	3362.6	3351.0	3341.9
60°	3347.1	3328.9	3305.6	3295.3	3286.2
60.5°	3288.8	3273.2	3248.6	3238.3	3229.2
61°	3229.2	3213.7	3190.3	3180.0	3170.9
61.5°	3168.3	3155.4	3132.1	3121.7	3113.9
62°	3108.7	3095.8	3072.5	3063.4	3055.6
62.5°	3047.9	3034.9	3011.6	3002.5	2994.8
63°	2987.0	2974.0	2952.0	2942.9	2935.2
63.5°	2924.8	2911.9	2891.1	2882.1	2874.3
64°	2862.6	2849.7	2827.7	2821.2	2812.1
64.5°	2800.5	2787.5	2765.5	2759.0	2751.2
65°	2737.0	2726.6	2705.9	2698.1	2692.9
65.5°	2674.8	2661.9	2642.4	2636.0	2628.2
66°	2608.8	2598.4	2579.0	2572.5	2567.3



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	2417.0	2405.4	2388.6	2382.1	2375.6
68°	2351.0	2340.6	2323.8	2318.6	2312.1
68.5°	2284.9	2274.6	2257.7	2253.8	2250.0
69°	2218.9	2208.5	2194.3	2190.4	2185.2
69.5°	2154.1	2143.7	2130.8	2126.9	2120.4
70°	2088.0	2079.0	2066.0	2062.1	2055.7
70.5°	2022.0	2012.9	2001.3	1997.4	1990.9
71°	1955.9	1948.1	1937.8	1932.6	1926.1
71.5°	1891.2	1883.4	1871.7	1867.8	1862.7
72°	1825.1	1818.6	1807.0	1804.4	1797.9
72.5°	1759.0	1753.8	1742.2	1739.6	1734.4
73°	1693.0	1687.8	1676.1	1673.5	1669.7
73.5°	1628.2	1623.0	1612.7	1608.8	1604.9
74°	1563.4	1559.6	1549.2	1546.6	1541.4
74.5°	1497.4	1494.8	1485.7	1481.8	1477.9
75°	1431.3	1431.3	1422.2	1419.7	1415.8
75.5°	1367.8	1367.8	1358.8	1356.2	1352.3
76°	1304.4	1304.4	1295.3	1292.8	1287.7
76.5°	1240.3	1240.8	1233.1	1230.4	1226.1
77°	1178.9	1179.4	1172.5	1169.0	1164.7
77.5°	1113.2	1116.3	1110.6	1107.5	1103.2
78°	1051.9	1055.8	1050.0	1047.5	1043.9
78.5°	994.1	996.6	992.9	989.9	984.8
79°	933.7	935.6	933.1	930.6	925.6
79.5°	874.1	877.3	875.6	873.3	867.6
80°	817.0	819.3	819.7	816.2	810.9
80.5°	756.8	761.6	762.4	758.9	756.2
81°	701.3	705.8	707.1	705.0	701.4
81.5°	646.6	651.9	653.1	651.9	647.3
82°	591.8	598.3	600.2	599.3	594.2
82.5°	539.5	546.7	548.8	548.0	543.3
83°	488.7	496.6	498.6	499.2	494.8
83.5°	439.6	447.1	449.6	450.4	445.6
84°	392.5	399.2	402.3	403.6	399.6
84.5°	347.7	353.1	356.9	358.5	356.6
85°	305.4	309.3	312.8	315.1	312.4
85.5°	264.5	267.6	270.2	273.8	271.6
86°	226.4	229.5	231.3	234.2	234.2
86.5°	190.2	191.6	193.0	196.4	196.4
87°	155.4	155.6	156.1	160.4	160.5
87.5°	119.9	121.0	121.5	125.3	126.6
88°	84.6	87.6	88.3	91.8	91.6
88.5°	59.8	59.8	59.7	63.2	64.0



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	2.8	2.7	2.8	3.0	2.7
90.5°	0.9	0.8	0.9	1.0	0.9
91°	0.9	0.8	0.8	0.9	0.8
91.5°	1.2	0.9	1.0	0.8	0.6
92°	0.9	0.9	0.9	1.0	0.9
92.5°	1.0	0.9	0.9	1.0	0.9
93°	1.0	1.0	1.0	0.9	0.8
93.5°	1.2	0.9	1.0	1.0	1.2
94°	1.2	1.0	1.2	1.0	1.3
94.5°	1.2	1.2	1.0	1.2	1.2
95°	1.2	0.9	1.2	1.0	1.3
95.5°	1.0	1.2	1.3	1.2	1.3
96°	1.4	1.4	1.2	1.2	1.3
96.5°	1.4	1.3	1.3	1.2	1.3
97°	1.4	1.3	1.4	1.2	1.6
97.5°	1.6	1.3	1.3	1.2	1.6
98°	1.7	1.4	1.4	1.4	1.7
98.5°	1.7	1.4	1.3	1.3	1.6
99°	1.6	1.6	1.4	1.3	1.4
99.5°	1.7	1.3	1.6	1.4	1.4
100°	1.7	1.6	1.6	1.6	1.7
100.5°	1.7	1.7	1.6	1.7	1.7
101°	1.8	1.6	1.6	1.6	1.6
101.5°	1.9	1.6	1.7	1.7	1.8
102°	2.1	1.7	1.8	1.7	1.8
102.5°	1.8	1.7	1.7	1.8	1.8
103°	1.8	1.6	1.8	1.7	1.8
103.5°	1.9	1.9	1.8	1.8	1.7
104°	2.2	1.9	1.9	1.8	1.7
104.5°	1.9	2.1	2.1	2.1	1.8
105°	2.3	2.1	1.9	2.2	2.2
105.5°	2.2	1.8	2.1	1.9	1.9
106°	2.1	2.1	2.2	2.2	2.3
106.5°	2.3	2.1	2.2	2.1	1.9
107°	2.2	2.2	2.3	2.3	2.1
107.5°	2.5	2.2	2.3	2.5	2.3
108°	2.5	2.2	2.1	2.5	2.2
108.5°	2.5	2.5	2.5	2.3	2.2
109°	2.6	2.5	2.5	2.5	2.6
109.5°	2.7	2.3	2.7	2.6	2.3
110°	2.6	2.6	2.6	2.7	2.6
110.5°	2.7	2.6	2.7	2.7	2.8
111°	2.7	2.8	2.8	2.8	2.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	3.2	3.4	3.2	3.0
113°	3.5	3.1	3.1	3.2	3.2
113.5°	3.5	3.5	3.5	3.6	3.6
114°	3.6	3.6	3.8	3.8	3.6
114.5°	3.9	3.9	3.8	3.8	3.5
115°	3.9	3.9	3.8	3.9	3.8
115.5°	4.3	3.9	4.1	4.0	3.8
116°	4.1	4.3	4.3	4.1	4.0
116.5°	4.4	4.4	4.4	4.4	4.3
117°	4.7	4.7	4.7	4.7	4.1
117.5°	4.9	4.7	4.8	4.7	4.4
118°	4.9	4.8	5.1	4.8	4.5
118.5°	5.3	5.1	5.1	4.9	4.8
119°	5.3	5.3	5.4	5.1	5.1
119.5°	5.4	5.4	5.4	5.3	5.2
120°	5.7	5.7	5.6	5.4	5.6
120.5°	5.8	5.6	5.8	5.7	5.6
121°	5.8	5.8	5.8	5.8	5.6
121.5°	6.5	6.2	6.1	5.8	5.8
122°	6.1	6.5	6.2	6.1	6.2
122.5°	6.6	6.5	6.3	6.3	6.1
123°	6.7	6.7	6.5	6.5	6.3
123.5°	6.7	7.0	6.6	6.3	6.6
124°	6.9	7.0	6.9	6.6	6.6
124.5°	7.3	7.0	6.9	6.7	6.7
125°	7.5	7.3	7.1	7.0	7.0
125.5°	7.5	7.4	7.1	7.0	7.1
126°	7.5	7.3	7.1	7.1	7.0
126.5°	7.3	7.4	7.5	7.1	7.3
127°	7.5	7.5	7.3	7.1	7.0
127.5°	7.8	7.6	7.5	7.1	7.0
128°	7.8	7.4	7.4	7.1	7.3
128.5°	7.5	7.5	7.3	7.0	7.3
129°	7.4	7.4	7.3	7.1	7.0
129.5°	7.3	7.4	7.3	7.1	7.1
130°	7.3	7.4	7.1	6.9	7.0
130.5°	7.5	7.3	7.3	6.6	7.0
131°	7.1	7.1	7.1	6.7	6.9
131.5°	7.3	7.0	6.7	6.6	6.7
132°	7.1	6.9	6.9	6.6	6.6
132.5°	7.1	6.9	6.7	6.6	6.7
133°	6.9	6.6	6.6	6.2	6.5
133.5°	7.0	6.6	6.3	6.1	6.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	6.7	6.3	6.1	6.0	6.5
135.5°	6.3	6.5	6.1	5.8	6.2
136°	6.2	6.1	5.8	5.6	6.2
136.5°	6.3	6.1	5.8	5.6	6.1
137°	6.2	6.0	5.8	5.6	6.0
137.5°	6.1	5.8	5.7	5.3	5.7
138°	6.0	5.7	5.4	5.3	5.7
138.5°	6.1	5.7	5.6	5.2	5.6
139°	5.3	5.6	5.4	4.9	5.7
139.5°	5.7	5.3	5.2	5.1	5.6
140°	5.6	5.2	5.3	4.9	5.2
140.5°	5.6	5.2	5.2	4.9	5.2
141°	5.3	5.2	5.1	4.7	4.9
141.5°	4.9	5.2	5.2	4.7	4.9
142°	4.8	4.8	5.1	4.8	4.5
142.5°	4.8	5.1	4.9	4.7	4.5
143°	5.1	4.9	4.9	4.8	4.5
143.5°	5.1	4.9	4.9	4.5	4.5
144°	5.1	4.7	5.1	4.4	4.7
144.5°	4.8	4.7	4.8	4.5	4.7
145°	4.9	4.7	4.8	4.3	4.7
145.5°	4.8	4.5	4.7	4.3	4.9
146°	4.8	4.5	4.4	4.3	4.7
146.5°	4.9	4.5	4.4	4.3	4.7
147°	4.8	4.5	4.3	4.4	4.4
147.5°	4.7	4.5	4.3	4.4	4.8
148°	4.8	4.5	4.4	4.3	4.8
148.5°	4.9	4.7	4.4	4.3	4.8
149°	4.8	4.5	4.4	4.3	4.8
149.5°	5.1	4.4	4.4	4.3	4.9
150°	4.9	4.7	4.4	4.3	4.8
150.5°	4.8	4.5	4.4	4.4	4.8
151°	5.1	4.5	4.3	4.4	5.1
151.5°	4.9	4.7	4.3	4.4	5.1
152°	5.1	4.7	4.5	4.7	4.8
152.5°	5.1	4.8	4.4	4.5	5.1
153°	4.9	4.7	4.5	4.8	5.2
153.5°	5.3	4.8	4.4	4.7	5.1
154°	5.1	4.8	4.7	4.7	5.1
154.5°	5.1	4.7	4.7	4.9	5.2
155°	4.8	4.8	4.8	4.9	5.3
155.5°	5.1	4.7	4.7	4.8	5.2
156°	4.8	4.8	4.8	4.8	5.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	4.8	4.5	4.7	4.9	5.1
158°	5.2	4.8	4.7	4.8	5.2
158.5°	4.9	4.8	4.5	4.8	5.1
159°	5.1	4.8	4.7	4.8	5.3
159.5°	4.9	4.7	4.7	4.8	5.4
160°	4.9	4.8	4.5	4.8	5.2
160.5°	4.8	4.7	4.7	4.9	5.2
161°	4.8	4.7	4.7	4.9	5.2
161.5°	4.9	4.8	4.7	4.7	4.9
162°	4.8	4.7	4.8	4.9	4.9
162.5°	5.1	4.9	4.8	4.8	5.1
163°	5.1	4.8	4.9	4.9	4.9
163.5°	4.9	4.8	4.9	4.9	5.3
164°	4.8	4.9	4.8	5.2	5.2
164.5°	4.7	5.1	4.9	5.2	5.3
165°	4.8	4.8	4.7	5.1	5.2
165.5°	4.5	4.8	4.7	5.4	5.2
166°	4.9	4.9	4.8	5.2	5.1
166.5°	4.9	4.8	4.7	5.3	4.8
167°	4.8	5.2	4.8	5.4	5.3
167.5°	4.9	5.2	4.9	5.6	5.3
168°	5.1	5.1	4.8	5.4	5.2
168.5°	4.9	5.3	5.1	5.8	5.3
169°	5.3	5.2	4.8	5.8	5.3
169.5°	5.2	5.2	4.9	5.7	5.4
170°	5.3	5.2	5.1	5.8	5.3
170.5°	5.3	5.4	5.1	5.8	5.6
171°	5.3	5.3	5.3	5.8	5.7
171.5°	5.2	5.3	5.3	6.0	5.4
172°	5.2	5.3	5.4	6.0	5.6
172.5°	5.4	5.4	5.6	6.0	5.6
173°	5.2	5.2	5.6	6.0	5.7
173.5°	5.6	5.4	5.7	5.8	5.8
174°	5.7	5.7	6.1	6.0	5.7
174.5°	5.7	6.0	6.0	6.2	6.0
175°	6.1	6.0	6.1	6.2	5.8
175.5°	6.1	6.0	6.3	6.1	6.1
176°	6.3	6.2	6.1	6.0	6.0
176.5°	6.5	6.1	6.2	5.7	6.0
177°	6.2	6.1	5.8	5.7	6.0
177.5°	6.3	6.1	5.7	5.6	6.1
178°	6.0	5.8	5.6	5.6	5.7
178.5°	5.8	5.7	5.4	5.4	5.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-200-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.1	5.1	5.1	5.1	5.1



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







21.5°	5323.7	5317.2	5291.3	5266.7	5256.4
22°	5321.1	5314.7	5287.5	5262.8	5252.5



44°	4765.4	4746.0	4707.2	4683.8	4668.3
44.5°	4735.7	4714.9	4678.7	4654.0	4638.5



66.5°	2545.3	2534.9	2515.5	2509.0	2502.5
67°	2481.8	2470.2	2452.0	2445.5	2440.4



89°	37.8	37.2	36.8	38.7	39.2
89.5°	16.7	17.0	16.6	17.7	17.5



111.5°	3.2	2.8	3.0	3.0	2.8
112°	3.2	3.0	3.0	3.0	3.2



134°	6.6	6.5	6.3	6.2	6.6
134.5°	6.7	6.3	6.3	6.0	6.2



156.5°	5.1	4.7	4.8	4.9	5.1
157°	4.9	4.7	4.8	4.8	5.1



179°	5.6	5.4	5.2	5.3	5.6
179.5°	4.9	5.2	5.1	4.9	5.3



(END OF REPORT)