

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-40-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-40-L830-CFR2
Description: 4000 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

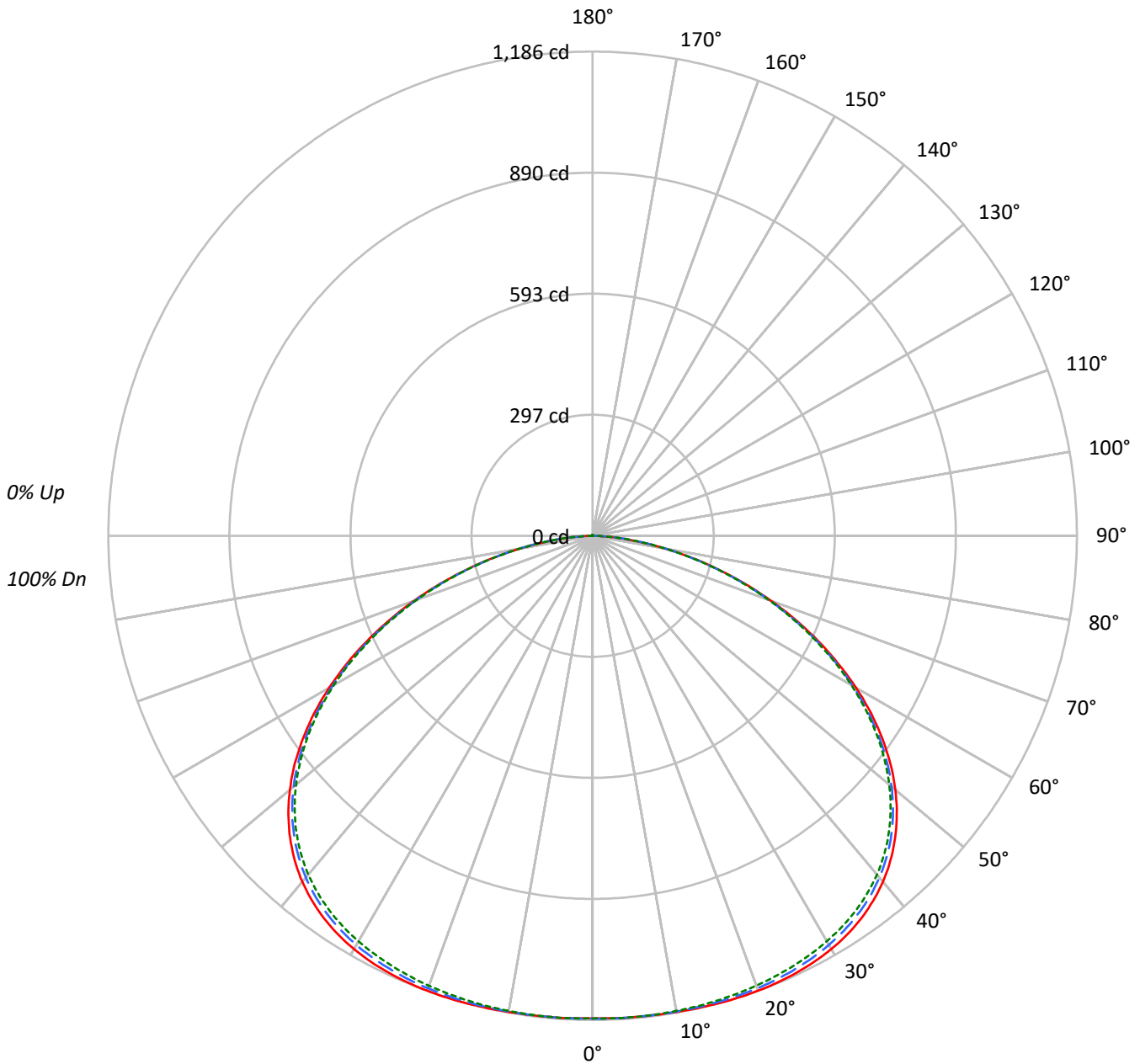
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4281.0 lumens
Efficiency: N/A
Efficacy: 133.0 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): 32.2
Input Voltage (V):
Input Current (A_{in}): 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									
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°	844	844	844
5°	848	848	848
10°	859	858	857
15°	877	874	871
20°	901	896	891
25°	930	923	916
30°	964	954	945
35°	998	987	978
40°	1031	1018	1010
45°	1058	1045	1036
50°	1075	1062	1053
55°	1078	1065	1057
60°	1064	1051	1045
65°	1029	1018	1013
70°	970	960	955
75°	879	873	869
80°	748	750	742
85°	557	570	570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	2.6
10°-20°	335.1	7.8
20°-30°	541.7	12.7
30°-40°	709.5	16.6
40°-50°	798.1	18.6
50°-60°	763.7	17.8
60°-70°	595.6	13.9
70°-80°	335.7	7.8
80°-90°	83.1	1.9
90°-100°	0.3	0.0
100°-110°	0.5	0.0
110°-120°	0.9	0.0
120°-130°	1.4	0.0
130°-140°	1.1	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
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0°-30°	989.8	23.1
0°-40°	1699.3	39.7
0°-60°	3261.0	76.2
0°-90°	4275.3	99.9
90°-120°	1.6	0.0
90°-150°	4.7	0.1
90°-180°	6.0	0.1
0°-180°	4281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1182	1182	1182	1182	1182	
5°	1183	1184	1183	1183	1183	113
15°	1186	1186	1183	1180	1179	336
25°	1181	1179	1172	1165	1163	546
35°	1145	1142	1132	1125	1122	717
45°	1048	1043	1035	1030	1026	807
55°	866	862	856	852	849	772
65°	609	607	602	601	600	601
75°	319	319	317	316	315	338
85°	68	69	70	70	70	79
90°	1	1	1	1	1	3
95°	0	0	0	0	0	0
105°	0	0	0	0	0	1
115°	1	1	1	1	1	1
125°	2	2	2	2	2	1
135°	2	1	1	1	1	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1182.3	1182.3	1182.3	1182.3	1182.3
0.5°	1182.0	1182.9	1183.2	1182.9	1182.3
1°	1182.3	1182.9	1183.2	1183.2	1182.6
1.5°	1182.6	1183.2	1183.2	1183.2	1182.9
2°	1182.6	1183.2	1183.2	1183.4	1182.9
2.5°	1182.9	1183.4	1183.4	1183.4	1182.9
3°	1183.2	1183.4	1183.4	1183.4	1183.2
3.5°	1183.2	1183.4	1183.4	1183.4	1183.2
4°	1183.4	1183.4	1183.4	1183.4	1183.2
4.5°	1183.4	1183.7	1183.4	1183.4	1183.2
5°	1183.4	1183.7	1183.4	1183.4	1183.2
5.5°	1183.4	1183.7	1183.4	1183.4	1183.2
6°	1183.7	1183.7	1183.4	1183.4	1182.9
6.5°	1183.7	1184.0	1183.7	1183.4	1182.9
7°	1183.7	1184.0	1183.4	1183.4	1182.9
7.5°	1183.7	1184.0	1183.4	1183.2	1182.6
8°	1184.0	1184.0	1183.7	1183.2	1182.6
8.5°	1184.0	1184.3	1183.4	1183.2	1182.3
9°	1184.3	1184.3	1183.7	1182.9	1182.3
9.5°	1184.3	1184.6	1183.4	1182.9	1182.0
10°	1184.6	1184.6	1183.4	1182.6	1181.7
10.5°	1184.9	1184.9	1183.4	1182.6	1181.7
11°	1184.9	1184.9	1183.4	1182.3	1181.4
11.5°	1185.2	1185.2	1183.4	1182.0	1181.1
12°	1185.2	1185.2	1183.4	1182.0	1180.8
12.5°	1185.5	1185.2	1183.2	1181.7	1180.6
13°	1185.5	1185.2	1183.2	1181.4	1180.3
13.5°	1185.7	1185.5	1183.2	1181.1	1180.0
14°	1185.7	1185.5	1183.2	1180.8	1179.4
14.5°	1186.0	1185.5	1182.9	1180.6	1179.1
15°	1186.0	1185.7	1182.9	1180.3	1178.8
15.5°	1186.3	1185.7	1182.6	1179.7	1178.3
16°	1186.0	1185.7	1182.3	1179.4	1177.7
16.5°	1186.3	1185.7	1182.3	1178.8	1177.1
17°	1186.3	1185.5	1182.0	1178.3	1176.8
17.5°	1186.3	1185.5	1181.4	1178.0	1176.2
18°	1186.3	1185.5	1181.1	1177.4	1175.4
18.5°	1186.3	1185.2	1180.8	1176.8	1174.8
19°	1186.0	1185.2	1180.6	1176.2	1174.2
19.5°	1186.0	1184.9	1180.0	1175.4	1173.3
20°	1185.7	1184.6	1179.4	1174.8	1172.8
20.5°	1185.5	1184.3	1179.1	1174.2	1171.9
21°	1185.5	1184.0	1178.5	1173.3	1171.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	1184.3	1182.6	1176.5	1170.8	1168.2
23°	1183.7	1182.0	1175.7	1169.9	1167.3
23.5°	1183.2	1181.4	1174.8	1168.7	1166.1
24°	1182.6	1180.8	1173.9	1167.6	1165.0
24.5°	1182.0	1180.0	1173.1	1166.4	1163.8
25°	1181.1	1179.1	1171.9	1165.3	1162.7
25.5°	1180.3	1178.3	1170.8	1164.1	1161.2
26°	1179.4	1177.4	1169.6	1163.0	1160.1
26.5°	1178.5	1176.2	1168.4	1161.5	1158.6
27°	1177.4	1175.1	1167.0	1160.1	1157.2
27.5°	1176.2	1173.9	1165.6	1158.6	1155.8
28°	1175.1	1172.5	1164.1	1157.2	1154.3
28.5°	1173.6	1171.0	1162.7	1155.5	1152.6
29°	1172.2	1169.6	1160.9	1153.7	1150.9
29.5°	1170.8	1167.9	1159.2	1152.0	1148.8
30°	1169.0	1166.1	1157.2	1150.0	1146.8
30.5°	1167.3	1164.4	1155.2	1148.0	1145.1
31°	1165.3	1162.4	1153.2	1146.0	1142.8
31.5°	1163.5	1160.4	1150.9	1143.9	1140.8
32°	1161.2	1158.1	1148.8	1141.6	1138.5
32.5°	1158.9	1155.8	1146.2	1139.0	1135.9
33°	1156.6	1153.2	1143.6	1136.7	1133.3
33.5°	1154.0	1150.6	1141.1	1134.1	1130.7
34°	1151.1	1147.7	1138.2	1131.2	1128.1
34.5°	1148.3	1144.8	1135.3	1128.4	1125.2
35°	1145.4	1141.6	1132.1	1125.2	1122.0
35.5°	1142.2	1138.5	1128.9	1122.0	1118.8
36°	1139.0	1135.0	1125.5	1118.8	1115.4
36.5°	1135.3	1131.5	1122.0	1115.4	1112.2
37°	1131.5	1127.8	1118.3	1111.6	1108.5
37.5°	1127.8	1123.8	1114.5	1107.9	1104.4
38°	1123.8	1120.0	1110.5	1104.1	1100.7
38.5°	1119.7	1115.7	1106.2	1099.8	1096.6
39°	1115.4	1111.1	1101.8	1095.8	1092.3
39.5°	1110.8	1106.4	1097.5	1091.2	1088.0
40°	1105.9	1101.8	1092.6	1086.6	1083.4
40.5°	1101.3	1096.9	1087.7	1081.9	1078.5
41°	1096.1	1091.7	1082.8	1076.7	1073.3
41.5°	1090.6	1086.3	1077.3	1071.6	1068.1
42°	1085.1	1080.8	1071.8	1066.4	1062.6
42.5°	1079.3	1075.0	1066.1	1060.6	1057.1
43°	1073.6	1069.0	1060.3	1054.8	1051.4
43.5°	1067.5	1062.9	1054.3	1048.8	1045.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	1047.6	1043.0	1034.6	1029.7	1026.0
45.5°	1040.7	1035.8	1027.7	1022.8	1019.4
46°	1033.5	1028.6	1020.5	1015.6	1012.2
46.5°	1026.0	1021.1	1013.3	1008.4	1004.9
47°	1018.2	1013.6	1005.5	1001.2	997.4
47.5°	1010.4	1005.5	997.7	993.4	989.7
48°	1002.6	997.4	989.9	985.3	981.6
48.5°	994.3	989.4	981.9	977.6	974.1
49°	985.3	980.7	973.2	968.6	965.4
49.5°	976.7	972.1	964.6	960.2	956.8
50°	967.7	962.8	955.9	951.6	948.1
50.5°	958.5	953.6	946.7	942.4	939.2
51°	949.3	944.4	937.5	933.1	929.7
51.5°	939.5	934.6	927.7	923.6	920.5
52°	929.7	924.8	917.9	914.1	910.9
52.5°	919.9	915.0	908.1	904.0	901.1
53°	909.2	904.6	898.3	894.5	891.3
53.5°	898.5	893.9	887.6	883.8	880.9
54°	887.9	883.3	876.9	873.2	870.6
54.5°	877.5	872.6	866.5	862.8	860.2
55°	866.2	861.6	855.6	851.8	849.2
55.5°	855.0	850.4	844.3	840.6	838.3
56°	843.2	838.8	832.8	829.6	827.3
56.5°	831.4	827.3	821.3	818.1	815.8
57°	819.8	815.5	809.7	806.8	804.5
57.5°	808.3	803.7	797.9	795.0	792.7
58°	795.6	791.3	785.8	782.9	780.9
58.5°	783.2	779.2	773.4	770.8	768.8
59°	770.8	766.8	761.3	758.7	756.7
59.5°	757.8	754.1	748.6	746.0	744.0
60°	745.1	741.1	735.9	733.6	731.6
60.5°	732.2	728.7	723.2	720.9	718.9
61°	718.9	715.4	710.2	707.9	705.9
61.5°	705.3	702.5	697.3	695.0	693.2
62°	692.1	689.2	684.0	682.0	680.2
62.5°	678.5	675.6	670.4	668.4	666.7
63°	665.0	662.1	657.2	655.2	653.4
63.5°	651.1	648.2	643.6	641.6	639.9
64°	637.3	634.4	629.5	628.1	626.0
64.5°	623.4	620.6	615.7	614.2	612.5
65°	609.3	607.0	602.4	600.7	599.5
65.5°	595.5	592.6	588.3	586.8	585.1
66°	580.8	578.5	574.1	572.7	571.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	538.1	535.5	531.7	530.3	528.9
68°	523.4	521.1	517.3	516.2	514.7
68.5°	508.7	506.4	502.6	501.8	500.9
69°	494.0	491.7	488.5	487.6	486.5
69.5°	479.5	477.2	474.4	473.5	472.1
70°	464.8	462.8	459.9	459.1	457.6
70.5°	450.1	448.1	445.5	444.7	443.2
71°	435.4	433.7	431.4	430.2	428.8
71.5°	421.0	419.3	416.7	415.8	414.7
72°	406.3	404.9	402.3	401.7	400.2
72.5°	391.6	390.4	387.8	387.3	386.1
73°	376.9	375.7	373.1	372.6	371.7
73.5°	362.5	361.3	359.0	358.1	357.3
74°	348.1	347.2	344.9	344.3	343.2
74.5°	333.3	332.8	330.8	329.9	329.0
75°	318.6	318.6	316.6	316.0	315.2
75.5°	304.5	304.5	302.5	301.9	301.1
76°	290.4	290.4	288.4	287.8	286.7
76.5°	276.1	276.2	274.5	273.9	273.0
77°	262.4	262.6	261.0	260.2	259.3
77.5°	247.8	248.5	247.2	246.6	245.6
78°	234.2	235.0	233.7	233.2	232.4
78.5°	221.3	221.9	221.0	220.4	219.2
79°	207.9	208.3	207.7	207.2	206.1
79.5°	194.6	195.3	194.9	194.4	193.1
80°	181.9	182.4	182.5	181.7	180.5
80.5°	168.5	169.6	169.7	169.0	168.3
81°	156.1	157.1	157.4	157.0	156.1
81.5°	144.0	145.1	145.4	145.1	144.1
82°	131.8	133.2	133.6	133.4	132.3
82.5°	120.1	121.7	122.2	122.0	120.9
83°	108.8	110.6	111.0	111.1	110.2
83.5°	97.9	99.5	100.1	100.3	99.2
84°	87.4	88.9	89.6	89.9	89.0
84.5°	77.4	78.6	79.4	79.8	79.4
85°	68.0	68.9	69.6	70.2	69.6
85.5°	58.9	59.6	60.2	61.0	60.5
86°	50.4	51.1	51.5	52.1	52.1
86.5°	42.3	42.6	43.0	43.7	43.7
87°	34.6	34.6	34.7	35.7	35.7
87.5°	26.7	26.9	27.0	27.9	28.2
88°	18.8	19.5	19.7	20.4	20.4
88.5°	13.3	13.3	13.3	14.1	14.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.6	0.6	0.6	0.7	0.6
90.5°	0.2	0.2	0.2	0.2	0.2
91°	0.2	0.2	0.2	0.2	0.2
91.5°	0.3	0.2	0.2	0.2	0.1
92°	0.2	0.2	0.2	0.2	0.2
92.5°	0.2	0.2	0.2	0.2	0.2
93°	0.2	0.2	0.2	0.2	0.2
93.5°	0.3	0.2	0.2	0.2	0.3
94°	0.3	0.2	0.3	0.2	0.3
94.5°	0.3	0.3	0.2	0.3	0.3
95°	0.3	0.2	0.3	0.2	0.3
95.5°	0.2	0.3	0.3	0.3	0.3
96°	0.3	0.3	0.3	0.3	0.3
96.5°	0.3	0.3	0.3	0.3	0.3
97°	0.3	0.3	0.3	0.3	0.3
97.5°	0.3	0.3	0.3	0.3	0.3
98°	0.4	0.3	0.3	0.3	0.4
98.5°	0.4	0.3	0.3	0.3	0.3
99°	0.3	0.3	0.3	0.3	0.3
99.5°	0.4	0.3	0.3	0.3	0.3
100°	0.4	0.3	0.3	0.3	0.4
100.5°	0.4	0.4	0.3	0.4	0.4
101°	0.4	0.3	0.3	0.3	0.3
101.5°	0.4	0.3	0.4	0.4	0.4
102°	0.5	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4
103°	0.4	0.3	0.4	0.4	0.4
103.5°	0.4	0.4	0.4	0.4	0.4
104°	0.5	0.4	0.4	0.4	0.4
104.5°	0.4	0.5	0.5	0.5	0.4
105°	0.5	0.5	0.4	0.5	0.5
105.5°	0.5	0.4	0.5	0.4	0.4
106°	0.5	0.5	0.5	0.5	0.5
106.5°	0.5	0.5	0.5	0.5	0.4
107°	0.5	0.5	0.5	0.5	0.5
107.5°	0.5	0.5	0.5	0.5	0.5
108°	0.5	0.5	0.5	0.5	0.5
108.5°	0.5	0.5	0.5	0.5	0.5
109°	0.6	0.5	0.5	0.5	0.6
109.5°	0.6	0.5	0.6	0.6	0.5
110°	0.6	0.6	0.6	0.6	0.6
110.5°	0.6	0.6	0.6	0.6	0.6
111°	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P#

CATALOG NUMBER: 44ID-40-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	0.7	0.7	0.7	0.7
113°	0.8	0.7	0.7	0.7	0.7
113.5°	0.8	0.8	0.8	0.8	0.8
114°	0.8	0.8	0.8	0.8	0.8
114.5°	0.9	0.9	0.8	0.8	0.8
115°	0.9	0.9	0.8	0.9	0.8
115.5°	1.0	0.9	0.9	0.9	0.8
116°	0.9	1.0	1.0	0.9	0.9
116.5°	1.0	1.0	1.0	1.0	1.0
117°	1.0	1.0	1.0	1.0	0.9
117.5°	1.1	1.0	1.1	1.0	1.0
118°	1.1	1.1	1.1	1.1	1.0
118.5°	1.2	1.1	1.1	1.1	1.1
119°	1.2	1.2	1.2	1.1	1.1
119.5°	1.2	1.2	1.2	1.2	1.2
120°	1.3	1.3	1.2	1.2	1.2
120.5°	1.3	1.2	1.3	1.3	1.2
121°	1.3	1.3	1.3	1.3	1.2
121.5°	1.4	1.4	1.4	1.3	1.3
122°	1.4	1.4	1.4	1.4	1.4
122.5°	1.5	1.4	1.4	1.4	1.4
123°	1.5	1.5	1.4	1.4	1.4
123.5°	1.5	1.6	1.5	1.4	1.5
124°	1.5	1.6	1.5	1.5	1.5
124.5°	1.6	1.6	1.5	1.5	1.5
125°	1.7	1.6	1.6	1.6	1.6
125.5°	1.7	1.6	1.6	1.6	1.6
126°	1.7	1.6	1.6	1.6	1.6
126.5°	1.6	1.6	1.7	1.6	1.6
127°	1.7	1.7	1.6	1.6	1.6
127.5°	1.7	1.7	1.7	1.6	1.6
128°	1.7	1.6	1.6	1.6	1.6
128.5°	1.7	1.7	1.6	1.6	1.6
129°	1.6	1.6	1.6	1.6	1.6
129.5°	1.6	1.6	1.6	1.6	1.6
130°	1.6	1.6	1.6	1.5	1.6
130.5°	1.7	1.6	1.6	1.5	1.6
131°	1.6	1.6	1.6	1.5	1.5
131.5°	1.6	1.6	1.5	1.5	1.5
132°	1.6	1.5	1.5	1.5	1.5
132.5°	1.6	1.5	1.5	1.5	1.5
133°	1.5	1.5	1.5	1.4	1.4
133.5°	1.6	1.5	1.4	1.4	1.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-40-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	1.5	1.4	1.4	1.3	1.4
135.5°	1.4	1.4	1.4	1.3	1.4
136°	1.4	1.4	1.3	1.2	1.4
136.5°	1.4	1.4	1.3	1.2	1.4
137°	1.4	1.3	1.3	1.2	1.3
137.5°	1.4	1.3	1.3	1.2	1.3
138°	1.3	1.3	1.2	1.2	1.3
138.5°	1.4	1.3	1.2	1.2	1.2
139°	1.2	1.2	1.2	1.1	1.3
139.5°	1.3	1.2	1.2	1.1	1.2
140°	1.2	1.2	1.2	1.1	1.2
140.5°	1.2	1.2	1.2	1.1	1.2
141°	1.2	1.2	1.1	1.0	1.1
141.5°	1.1	1.2	1.2	1.0	1.1
142°	1.1	1.1	1.1	1.1	1.0
142.5°	1.1	1.1	1.1	1.0	1.0
143°	1.1	1.1	1.1	1.1	1.0
143.5°	1.1	1.1	1.1	1.0	1.0
144°	1.1	1.0	1.1	1.0	1.0
144.5°	1.1	1.0	1.1	1.0	1.0
145°	1.1	1.0	1.1	1.0	1.0
145.5°	1.1	1.0	1.0	1.0	1.1
146°	1.1	1.0	1.0	1.0	1.0
146.5°	1.1	1.0	1.0	1.0	1.0
147°	1.1	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.1
148°	1.1	1.0	1.0	1.0	1.1
148.5°	1.1	1.0	1.0	1.0	1.1
149°	1.1	1.0	1.0	1.0	1.1
149.5°	1.1	1.0	1.0	1.0	1.1
150°	1.1	1.0	1.0	1.0	1.1
150.5°	1.1	1.0	1.0	1.0	1.1
151°	1.1	1.0	1.0	1.0	1.1
151.5°	1.1	1.0	1.0	1.0	1.1
152°	1.1	1.0	1.0	1.0	1.1
152.5°	1.1	1.1	1.0	1.0	1.1
153°	1.1	1.0	1.0	1.1	1.2
153.5°	1.2	1.1	1.0	1.0	1.1
154°	1.1	1.1	1.0	1.0	1.1
154.5°	1.1	1.0	1.0	1.1	1.2
155°	1.1	1.1	1.1	1.1	1.2
155.5°	1.1	1.0	1.0	1.1	1.2
156°	1.1	1.1	1.1	1.1	1.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-40-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	1.1	1.0	1.0	1.1	1.1
158°	1.2	1.1	1.0	1.1	1.2
158.5°	1.1	1.1	1.0	1.1	1.1
159°	1.1	1.1	1.0	1.1	1.2
159.5°	1.1	1.0	1.0	1.1	1.2
160°	1.1	1.1	1.0	1.1	1.2
160.5°	1.1	1.0	1.0	1.1	1.2
161°	1.1	1.0	1.0	1.1	1.2
161.5°	1.1	1.1	1.0	1.0	1.1
162°	1.1	1.0	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1
163°	1.1	1.1	1.1	1.1	1.1
163.5°	1.1	1.1	1.1	1.1	1.2
164°	1.1	1.1	1.1	1.2	1.2
164.5°	1.0	1.1	1.1	1.2	1.2
165°	1.1	1.1	1.0	1.1	1.2
165.5°	1.0	1.1	1.0	1.2	1.2
166°	1.1	1.1	1.1	1.2	1.1
166.5°	1.1	1.1	1.0	1.2	1.1
167°	1.1	1.2	1.1	1.2	1.2
167.5°	1.1	1.2	1.1	1.2	1.2
168°	1.1	1.1	1.1	1.2	1.2
168.5°	1.1	1.2	1.1	1.3	1.2
169°	1.2	1.2	1.1	1.3	1.2
169.5°	1.2	1.2	1.1	1.3	1.2
170°	1.2	1.2	1.1	1.3	1.2
170.5°	1.2	1.2	1.1	1.3	1.2
171°	1.2	1.2	1.2	1.3	1.3
171.5°	1.2	1.2	1.2	1.3	1.2
172°	1.2	1.2	1.2	1.3	1.2
172.5°	1.2	1.2	1.2	1.3	1.2
173°	1.2	1.2	1.2	1.3	1.3
173.5°	1.2	1.2	1.3	1.3	1.3
174°	1.3	1.3	1.4	1.3	1.3
174.5°	1.3	1.3	1.3	1.4	1.3
175°	1.4	1.3	1.4	1.4	1.3
175.5°	1.4	1.3	1.4	1.4	1.4
176°	1.4	1.4	1.4	1.3	1.3
176.5°	1.4	1.4	1.4	1.3	1.3
177°	1.4	1.4	1.3	1.3	1.3
177.5°	1.4	1.4	1.3	1.2	1.4
178°	1.3	1.3	1.2	1.2	1.3
178.5°	1.3	1.3	1.2	1.2	1.2



TEST NUMBER: P#

CATALOG NUMBER: 44ID-40-L830-CFR2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1



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







21.5°	1185.2	1183.7	1178.0	1172.5	1170.2
22°	1184.6	1183.2	1177.1	1171.6	1169.3



44°	1060.9	1056.6	1047.9	1042.7	1039.3
44.5°	1054.3	1049.6	1041.6	1036.1	1032.6



66.5°	566.6	564.3	560.0	558.6	557.1
67°	552.5	549.9	545.9	544.4	543.3



89°	8.4	8.3	8.2	8.6	8.7
89.5°	3.7	3.8	3.7	4.0	3.9



111.5°	0.7	0.6	0.7	0.7	0.6
112°	0.7	0.7	0.7	0.7	0.7



134°	1.5	1.4	1.4	1.4	1.5
134.5°	1.5	1.4	1.4	1.3	1.4



156.5°	1.1	1.0	1.1	1.1	1.1
157°	1.1	1.0	1.1	1.1	1.1



179°	1.2	1.2	1.2	1.2	1.2
179.5°	1.1	1.2	1.1	1.1	1.2



(END OF REPORT)