

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-50-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-50-L840-CFD2
Description: 5000 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

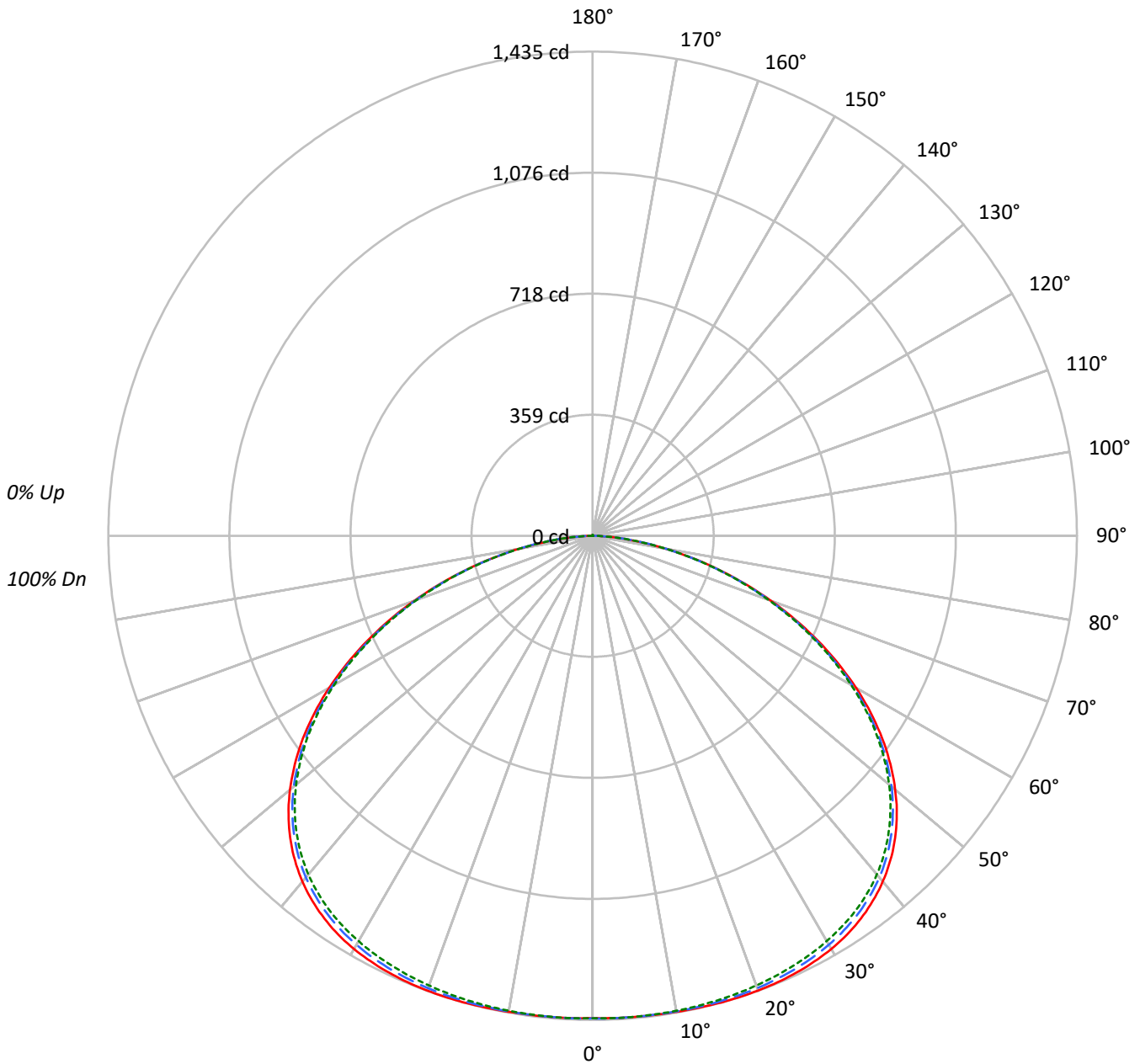
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5178.0 lumens
Efficiency: N/A
Efficacy: 132.8 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): 39
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°	1021	1021	1021
5°	1022	1020	1022
10°	1031	1027	1028
15°	1048	1040	1042
20°	1073	1060	1061
25°	1103	1086	1086
30°	1137	1115	1116
35°	1172	1145	1148
40°	1203	1172	1179
45°	1227	1191	1201
50°	1237	1197	1212
55°	1229	1185	1205
60°	1198	1150	1176
65°	1140	1089	1122
70°	1050	995	1033
75°	916	861	906
80°	727	675	722
85°	452	407	462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	2.6
10°-20°	405.3	7.8
20°-30°	655.2	12.7
30°-40°	858.2	16.6
40°-50°	965.3	18.6
50°-60°	923.7	17.8
60°-70°	720.4	13.9
70°-80°	406.0	7.8
80°-90°	100.5	1.9
90°-100°	0.3	0.0
100°-110°	0.6	0.0
110°-120°	1.1	0.0
120°-130°	1.6	0.0
130°-140°	1.3	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1197.2	23.1
0°-40°	2055.3	39.7
0°-60°	3944.3	76.2
0°-90°	5171.2	99.9
90°-120°	2.0	0.0
90°-150°	5.7	0.1
90°-180°	7.0	0.1
0°-180°	5178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1431	1432	1431	1431	1431	137
15°	1434	1434	1431	1428	1426	407
25°	1429	1426	1418	1409	1406	660
35°	1385	1381	1369	1361	1357	867
45°	1267	1262	1251	1246	1241	976
55°	1048	1042	1035	1030	1027	934
65°	737	734	729	726	725	728
75°	385	385	383	382	381	408
85°	82	83	84	85	84	95
90°	1	1	1	1	1	4
95°	0	0	0	0	0	0
105°	1	1	0	1	1	1
115°	1	1	1	1	1	1
125°	2	2	2	2	2	2
135°	2	2	2	2	2	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	2	2	2	2	2	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1430.0	1430.0	1430.0	1430.0	1430.0
0.5°	1429.7	1430.7	1431.1	1430.7	1430.0
1°	1430.0	1430.7	1431.1	1431.1	1430.4
1.5°	1430.4	1431.1	1431.1	1431.1	1430.7
2°	1430.4	1431.1	1431.1	1431.4	1430.7
2.5°	1430.7	1431.4	1431.4	1431.4	1430.7
3°	1431.1	1431.4	1431.4	1431.4	1431.1
3.5°	1431.1	1431.4	1431.4	1431.4	1431.1
4°	1431.4	1431.4	1431.4	1431.4	1431.1
4.5°	1431.4	1431.8	1431.4	1431.4	1431.1
5°	1431.4	1431.8	1431.4	1431.4	1431.1
5.5°	1431.4	1431.8	1431.4	1431.4	1431.1
6°	1431.8	1431.8	1431.4	1431.4	1430.7
6.5°	1431.8	1432.1	1431.8	1431.4	1430.7
7°	1431.8	1432.1	1431.4	1431.4	1430.7
7.5°	1431.8	1432.1	1431.4	1431.1	1430.4
8°	1432.1	1432.1	1431.8	1431.1	1430.4
8.5°	1432.1	1432.5	1431.4	1431.1	1430.0
9°	1432.5	1432.5	1431.8	1430.7	1430.0
9.5°	1432.5	1432.8	1431.4	1430.7	1429.7
10°	1432.8	1432.8	1431.4	1430.4	1429.3
10.5°	1433.2	1433.2	1431.4	1430.4	1429.3
11°	1433.2	1433.2	1431.4	1430.0	1429.0
11.5°	1433.5	1433.5	1431.4	1429.7	1428.6
12°	1433.5	1433.5	1431.4	1429.7	1428.3
12.5°	1433.8	1433.5	1431.1	1429.3	1427.9
13°	1433.8	1433.5	1431.1	1429.0	1427.6
13.5°	1434.2	1433.8	1431.1	1428.6	1427.2
14°	1434.2	1433.8	1431.1	1428.3	1426.5
14.5°	1434.5	1433.8	1430.7	1427.9	1426.2
15°	1434.5	1434.2	1430.7	1427.6	1425.8
15.5°	1434.9	1434.2	1430.4	1426.9	1425.1
16°	1434.5	1434.2	1430.0	1426.5	1424.4
16.5°	1434.9	1434.2	1430.0	1425.8	1423.7
17°	1434.9	1433.8	1429.7	1425.1	1423.4
17.5°	1434.9	1433.8	1429.0	1424.8	1422.7
18°	1434.9	1433.8	1428.6	1424.1	1421.6
18.5°	1434.9	1433.5	1428.3	1423.4	1420.9
19°	1434.5	1433.5	1427.9	1422.7	1420.2
19.5°	1434.5	1433.2	1427.2	1421.6	1419.2
20°	1434.2	1432.8	1426.5	1420.9	1418.5
20.5°	1433.8	1432.5	1426.2	1420.2	1417.5
21°	1433.8	1432.1	1425.5	1419.2	1416.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
22.5°	1432.5	1430.4	1423.0	1416.1	1412.9
23°	1431.8	1429.7	1422.0	1415.0	1411.9
23.5°	1431.1	1429.0	1420.9	1413.6	1410.5
24°	1430.4	1428.3	1419.9	1412.2	1409.1
24.5°	1429.7	1427.2	1418.9	1410.8	1407.7
25°	1428.6	1426.2	1417.5	1409.4	1406.3
25.5°	1427.6	1425.1	1416.1	1408.0	1404.6
26°	1426.5	1424.1	1414.7	1406.6	1403.2
26.5°	1425.5	1422.7	1413.3	1404.9	1401.4
27°	1424.1	1421.3	1411.5	1403.2	1399.7
27.5°	1422.7	1419.9	1409.8	1401.4	1397.9
28°	1421.3	1418.2	1408.0	1399.7	1396.2
28.5°	1419.5	1416.4	1406.3	1397.6	1394.1
29°	1417.8	1414.7	1404.2	1395.5	1392.0
29.5°	1416.1	1412.6	1402.1	1393.4	1389.6
30°	1414.0	1410.5	1399.7	1390.9	1387.1
30.5°	1411.9	1408.4	1397.2	1388.5	1385.0
31°	1409.4	1405.9	1394.8	1386.1	1382.2
31.5°	1407.3	1403.5	1392.0	1383.6	1379.8
32°	1404.6	1400.7	1389.6	1380.8	1377.0
32.5°	1401.8	1397.9	1386.4	1377.7	1373.9
33°	1399.0	1394.8	1383.3	1374.9	1370.7
33.5°	1395.8	1391.6	1380.1	1371.8	1367.6
34°	1392.3	1388.2	1376.6	1368.3	1364.4
34.5°	1388.9	1384.7	1373.2	1364.8	1361.0
35°	1385.4	1380.8	1369.3	1361.0	1357.1
35.5°	1381.5	1377.0	1365.5	1357.1	1353.3
36°	1377.7	1372.8	1361.3	1353.3	1349.1
36.5°	1373.2	1368.6	1357.1	1349.1	1345.3
37°	1368.6	1364.1	1352.6	1344.6	1340.7
37.5°	1364.1	1359.2	1348.0	1340.0	1335.8
38°	1359.2	1354.7	1343.2	1335.5	1331.3
38.5°	1354.3	1349.4	1337.9	1330.3	1326.4
39°	1349.1	1343.9	1332.7	1325.4	1321.2
39.5°	1343.5	1338.3	1327.5	1319.8	1316.0
40°	1337.6	1332.7	1321.5	1314.2	1310.4
40.5°	1332.0	1326.8	1315.6	1308.6	1304.5
41°	1325.7	1320.5	1309.7	1302.4	1298.2
41.5°	1319.1	1313.9	1303.1	1296.1	1291.9
42°	1312.5	1307.2	1296.4	1289.8	1285.3
42.5°	1305.5	1300.3	1289.5	1282.8	1278.6
43°	1298.5	1292.9	1282.5	1275.9	1271.7
43.5°	1291.2	1285.6	1275.2	1268.5	1264.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
45°	1267.1	1261.6	1251.4	1245.5	1241.0
45.5°	1258.8	1252.8	1243.1	1237.1	1233.0
46°	1250.0	1244.1	1234.3	1228.4	1224.2
46.5°	1241.0	1235.0	1225.6	1219.7	1215.5
47°	1231.6	1226.0	1216.2	1211.0	1206.4
47.5°	1222.1	1216.2	1206.8	1201.6	1197.0
48°	1212.7	1206.4	1197.4	1191.8	1187.3
48.5°	1202.6	1196.7	1187.6	1182.4	1178.2
49°	1191.8	1186.2	1177.1	1171.6	1167.7
49.5°	1181.3	1175.7	1166.7	1161.4	1157.3
50°	1170.5	1164.6	1156.2	1151.0	1146.8
50.5°	1159.4	1153.4	1145.1	1139.8	1136.0
51°	1148.2	1142.3	1133.9	1128.7	1124.5
51.5°	1136.3	1130.4	1122.0	1117.2	1113.3
52°	1124.5	1118.5	1110.2	1105.6	1101.8
52.5°	1112.6	1106.7	1098.3	1093.4	1089.9
53°	1099.7	1094.1	1086.5	1081.9	1078.1
53.5°	1086.8	1081.2	1073.6	1069.0	1065.5
54°	1073.9	1068.3	1060.7	1056.1	1053.0
54.5°	1061.3	1055.4	1048.1	1043.6	1040.4
55°	1047.7	1042.2	1034.8	1030.3	1027.2
55.5°	1034.1	1028.6	1021.2	1016.7	1013.9
56°	1019.8	1014.6	1007.3	1003.5	1000.7
56.5°	1005.5	1000.7	993.3	989.5	986.7
57°	991.6	986.4	979.4	975.9	973.1
57.5°	977.6	972.1	965.1	961.6	958.8
58°	962.3	957.1	950.4	946.9	944.5
58.5°	947.3	942.4	935.4	932.3	929.9
59°	932.3	927.4	920.8	917.6	915.2
59.5°	916.6	912.1	905.4	902.3	899.9
60°	901.3	896.4	890.1	887.3	884.9
60.5°	885.6	881.4	874.7	872.0	869.5
61°	869.5	865.3	859.1	856.3	853.8
61.5°	853.1	849.6	843.4	840.6	838.5
62°	837.1	833.6	827.3	824.9	822.8
62.5°	820.7	817.2	810.9	808.5	806.4
63°	804.3	800.8	794.9	792.4	790.3
63.5°	787.6	784.1	778.5	776.0	774.0
64°	770.8	767.3	761.4	759.7	757.2
64.5°	754.1	750.6	744.7	742.9	740.8
65°	737.0	734.2	728.6	726.5	725.1
65.5°	720.2	716.8	711.5	709.8	707.7
66°	702.5	699.7	694.4	692.7	691.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	650.8	647.7	643.2	641.4	639.7
68°	633.0	630.3	625.7	624.3	622.6
68.5°	615.3	612.5	607.9	606.9	605.8
69°	597.5	594.7	590.8	589.8	588.4
69.5°	580.0	577.2	573.7	572.7	571.0
70°	562.2	559.8	556.3	555.3	553.5
70.5°	544.5	542.0	538.9	537.8	536.1
71°	526.7	524.6	521.8	520.4	518.6
71.5°	509.2	507.1	504.0	502.9	501.6
72°	491.4	489.7	486.6	485.9	484.1
72.5°	473.6	472.3	469.1	468.4	467.0
73°	455.9	454.5	451.3	450.6	449.6
73.5°	438.4	437.0	434.2	433.2	432.1
74°	421.0	419.9	417.1	416.4	415.1
74.5°	403.2	402.5	400.1	399.0	398.0
75°	385.4	385.4	383.0	382.3	381.2
75.5°	368.3	368.3	365.9	365.2	364.1
76°	351.2	351.2	348.8	348.1	346.7
76.5°	334.0	334.1	332.0	331.3	330.2
77°	317.4	317.6	315.7	314.8	313.6
77.5°	299.7	300.6	299.0	298.2	297.1
78°	283.2	284.3	282.7	282.1	281.1
78.5°	267.7	268.4	267.3	266.5	265.2
79°	251.4	251.9	251.3	250.6	249.2
79.5°	235.4	236.2	235.8	235.1	233.6
80°	220.0	220.6	220.7	219.8	218.3
80.5°	203.8	205.1	205.3	204.4	203.6
81°	188.8	190.1	190.4	189.8	188.9
81.5°	174.1	175.5	175.9	175.5	174.3
82°	159.4	161.1	161.6	161.4	160.0
82.5°	145.3	147.2	147.8	147.6	146.3
83°	131.6	133.7	134.2	134.4	133.2
83.5°	118.4	120.4	121.1	121.3	120.0
84°	105.7	107.5	108.3	108.7	107.6
84.5°	93.6	95.1	96.1	96.5	96.0
85°	82.2	83.3	84.2	84.9	84.1
85.5°	71.2	72.1	72.8	73.7	73.1
86°	61.0	61.8	62.3	63.1	63.1
86.5°	51.2	51.6	52.0	52.9	52.9
87°	41.9	41.9	42.0	43.2	43.2
87.5°	32.3	32.6	32.7	33.7	34.1
88°	22.8	23.6	23.8	24.7	24.7
88.5°	16.1	16.1	16.1	17.0	17.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.8	0.7	0.8	0.8	0.7
90.5°	0.2	0.2	0.2	0.3	0.2
91°	0.2	0.2	0.2	0.2	0.2
91.5°	0.3	0.2	0.3	0.2	0.2
92°	0.2	0.2	0.2	0.3	0.2
92.5°	0.3	0.2	0.2	0.3	0.2
93°	0.3	0.3	0.3	0.2	0.2
93.5°	0.3	0.2	0.3	0.3	0.3
94°	0.3	0.3	0.3	0.3	0.3
94.5°	0.3	0.3	0.3	0.3	0.3
95°	0.3	0.2	0.3	0.3	0.3
95.5°	0.3	0.3	0.3	0.3	0.3
96°	0.4	0.4	0.3	0.3	0.3
96.5°	0.4	0.3	0.3	0.3	0.3
97°	0.4	0.3	0.4	0.3	0.4
97.5°	0.4	0.3	0.3	0.3	0.4
98°	0.5	0.4	0.4	0.4	0.5
98.5°	0.5	0.4	0.3	0.3	0.4
99°	0.4	0.4	0.4	0.3	0.4
99.5°	0.5	0.3	0.4	0.4	0.4
100°	0.5	0.4	0.4	0.4	0.5
100.5°	0.5	0.5	0.4	0.5	0.5
101°	0.5	0.4	0.4	0.4	0.4
101.5°	0.5	0.4	0.5	0.5	0.5
102°	0.6	0.5	0.5	0.5	0.5
102.5°	0.5	0.5	0.5	0.5	0.5
103°	0.5	0.4	0.5	0.5	0.5
103.5°	0.5	0.5	0.5	0.5	0.5
104°	0.6	0.5	0.5	0.5	0.5
104.5°	0.5	0.6	0.6	0.6	0.5
105°	0.6	0.6	0.5	0.6	0.6
105.5°	0.6	0.5	0.6	0.5	0.5
106°	0.6	0.6	0.6	0.6	0.6
106.5°	0.6	0.6	0.6	0.6	0.5
107°	0.6	0.6	0.6	0.6	0.6
107.5°	0.7	0.6	0.6	0.7	0.6
108°	0.7	0.6	0.6	0.7	0.6
108.5°	0.7	0.7	0.7	0.6	0.6
109°	0.7	0.7	0.7	0.7	0.7
109.5°	0.7	0.6	0.7	0.7	0.6
110°	0.7	0.7	0.7	0.7	0.7
110.5°	0.7	0.7	0.7	0.7	0.8
111°	0.7	0.8	0.8	0.8	0.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	0.9	0.9	0.9	0.8
113°	0.9	0.8	0.8	0.9	0.9
113.5°	0.9	0.9	0.9	1.0	1.0
114°	1.0	1.0	1.0	1.0	1.0
114.5°	1.0	1.0	1.0	1.0	0.9
115°	1.0	1.0	1.0	1.0	1.0
115.5°	1.2	1.0	1.1	1.1	1.0
116°	1.1	1.2	1.2	1.1	1.1
116.5°	1.2	1.2	1.2	1.2	1.2
117°	1.3	1.3	1.3	1.3	1.1
117.5°	1.3	1.3	1.3	1.3	1.2
118°	1.3	1.3	1.4	1.3	1.2
118.5°	1.4	1.4	1.4	1.3	1.3
119°	1.4	1.4	1.5	1.4	1.4
119.5°	1.5	1.5	1.5	1.4	1.4
120°	1.5	1.5	1.5	1.5	1.5
120.5°	1.6	1.5	1.6	1.5	1.5
121°	1.6	1.6	1.6	1.6	1.5
121.5°	1.7	1.7	1.6	1.6	1.6
122°	1.6	1.7	1.7	1.6	1.7
122.5°	1.8	1.7	1.7	1.7	1.6
123°	1.8	1.8	1.7	1.7	1.7
123.5°	1.8	1.9	1.8	1.7	1.8
124°	1.8	1.9	1.8	1.8	1.8
124.5°	2.0	1.9	1.8	1.8	1.8
125°	2.0	2.0	1.9	1.9	1.9
125.5°	2.0	2.0	1.9	1.9	1.9
126°	2.0	2.0	1.9	1.9	1.9
126.5°	2.0	2.0	2.0	1.9	2.0
127°	2.0	2.0	2.0	1.9	1.9
127.5°	2.1	2.1	2.0	1.9	1.9
128°	2.1	2.0	2.0	1.9	2.0
128.5°	2.0	2.0	2.0	1.9	2.0
129°	2.0	2.0	2.0	1.9	1.9
129.5°	2.0	2.0	2.0	1.9	1.9
130°	2.0	2.0	1.9	1.8	1.9
130.5°	2.0	2.0	2.0	1.8	1.9
131°	1.9	1.9	1.9	1.8	1.8
131.5°	2.0	1.9	1.8	1.8	1.8
132°	1.9	1.8	1.8	1.8	1.8
132.5°	1.9	1.8	1.8	1.8	1.8
133°	1.8	1.8	1.8	1.7	1.7
133.5°	1.9	1.8	1.7	1.6	1.7



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
135°	1.8	1.7	1.6	1.6	1.7
135.5°	1.7	1.7	1.6	1.6	1.7
136°	1.7	1.6	1.6	1.5	1.7
136.5°	1.7	1.6	1.6	1.5	1.6
137°	1.7	1.6	1.6	1.5	1.6
137.5°	1.6	1.6	1.5	1.4	1.5
138°	1.6	1.5	1.5	1.4	1.5
138.5°	1.6	1.5	1.5	1.4	1.5
139°	1.4	1.5	1.5	1.3	1.5
139.5°	1.5	1.4	1.4	1.4	1.5
140°	1.5	1.4	1.4	1.3	1.4
140.5°	1.5	1.4	1.4	1.3	1.4
141°	1.4	1.4	1.4	1.3	1.3
141.5°	1.3	1.4	1.4	1.3	1.3
142°	1.3	1.3	1.4	1.3	1.2
142.5°	1.3	1.4	1.3	1.3	1.2
143°	1.4	1.3	1.3	1.3	1.2
143.5°	1.4	1.3	1.3	1.2	1.2
144°	1.4	1.3	1.4	1.2	1.3
144.5°	1.3	1.3	1.3	1.2	1.3
145°	1.3	1.3	1.3	1.2	1.3
145.5°	1.3	1.2	1.3	1.2	1.3
146°	1.3	1.2	1.2	1.2	1.3
146.5°	1.3	1.2	1.2	1.2	1.3
147°	1.3	1.2	1.2	1.2	1.2
147.5°	1.3	1.2	1.2	1.2	1.3
148°	1.3	1.2	1.2	1.2	1.3
148.5°	1.3	1.3	1.2	1.2	1.3
149°	1.3	1.2	1.2	1.2	1.3
149.5°	1.4	1.2	1.2	1.2	1.3
150°	1.3	1.3	1.2	1.2	1.3
150.5°	1.3	1.2	1.2	1.2	1.3
151°	1.4	1.2	1.2	1.2	1.4
151.5°	1.3	1.3	1.2	1.2	1.4
152°	1.4	1.3	1.2	1.3	1.3
152.5°	1.4	1.3	1.2	1.2	1.4
153°	1.3	1.3	1.2	1.3	1.4
153.5°	1.4	1.3	1.2	1.3	1.4
154°	1.4	1.3	1.3	1.3	1.4
154.5°	1.4	1.3	1.3	1.3	1.4
155°	1.3	1.3	1.3	1.3	1.4
155.5°	1.4	1.3	1.3	1.3	1.4
156°	1.3	1.3	1.3	1.3	1.4



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
157.5°	1.3	1.2	1.3	1.3	1.4
158°	1.4	1.3	1.3	1.3	1.4
158.5°	1.3	1.3	1.2	1.3	1.4
159°	1.4	1.3	1.3	1.3	1.4
159.5°	1.3	1.3	1.3	1.3	1.5
160°	1.3	1.3	1.2	1.3	1.4
160.5°	1.3	1.3	1.3	1.3	1.4
161°	1.3	1.3	1.3	1.3	1.4
161.5°	1.3	1.3	1.3	1.3	1.3
162°	1.3	1.3	1.3	1.3	1.3
162.5°	1.4	1.3	1.3	1.3	1.4
163°	1.4	1.3	1.3	1.3	1.3
163.5°	1.3	1.3	1.3	1.3	1.4
164°	1.3	1.3	1.3	1.4	1.4
164.5°	1.3	1.4	1.3	1.4	1.4
165°	1.3	1.3	1.3	1.4	1.4
165.5°	1.2	1.3	1.3	1.5	1.4
166°	1.3	1.3	1.3	1.4	1.4
166.5°	1.3	1.3	1.3	1.4	1.3
167°	1.3	1.4	1.3	1.5	1.4
167.5°	1.3	1.4	1.3	1.5	1.4
168°	1.4	1.4	1.3	1.5	1.4
168.5°	1.3	1.4	1.4	1.6	1.4
169°	1.4	1.4	1.3	1.6	1.4
169.5°	1.4	1.4	1.3	1.5	1.5
170°	1.4	1.4	1.4	1.6	1.4
170.5°	1.4	1.5	1.4	1.6	1.5
171°	1.4	1.4	1.4	1.6	1.5
171.5°	1.4	1.4	1.4	1.6	1.5
172°	1.4	1.4	1.5	1.6	1.5
172.5°	1.5	1.5	1.5	1.6	1.5
173°	1.4	1.4	1.5	1.6	1.5
173.5°	1.5	1.5	1.5	1.6	1.6
174°	1.5	1.5	1.6	1.6	1.5
174.5°	1.5	1.6	1.6	1.7	1.6
175°	1.6	1.6	1.6	1.7	1.6
175.5°	1.6	1.6	1.7	1.6	1.6
176°	1.7	1.7	1.6	1.6	1.6
176.5°	1.7	1.6	1.7	1.5	1.6
177°	1.7	1.6	1.6	1.5	1.6
177.5°	1.7	1.6	1.5	1.5	1.6
178°	1.6	1.6	1.5	1.5	1.5
178.5°	1.6	1.5	1.5	1.5	1.5



TEST NUMBER: P#

CATALOG NUMBER: 44ID-50-L840-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.4	1.4	1.4	1.4	1.4



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







21.5°	1433.5	1431.8	1424.8	1418.2	1415.4
22°	1432.8	1431.1	1423.7	1417.1	1414.3



44°	1283.2	1277.9	1267.5	1261.2	1257.0
44.5°	1275.2	1269.6	1259.8	1253.2	1249.0



66.5°	685.4	682.6	677.3	675.6	673.9
67°	668.3	665.1	660.2	658.5	657.1



89°	10.2	10.0	9.9	10.4	10.6
89.5°	4.5	4.6	4.5	4.8	4.7



111.5°	0.9	0.8	0.8	0.8	0.8
112°	0.9	0.8	0.8	0.8	0.9



134°	1.8	1.7	1.7	1.7	1.8
134.5°	1.8	1.7	1.7	1.6	1.7



156.5°	1.4	1.3	1.3	1.3	1.4
157°	1.3	1.3	1.3	1.3	1.4



179°	1.5	1.5	1.4	1.4	1.5
179.5°	1.3	1.4	1.4	1.3	1.4



(END OF REPORT)