

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: P395899

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, DOWNLIGHT TRAY
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4538.8 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Direct

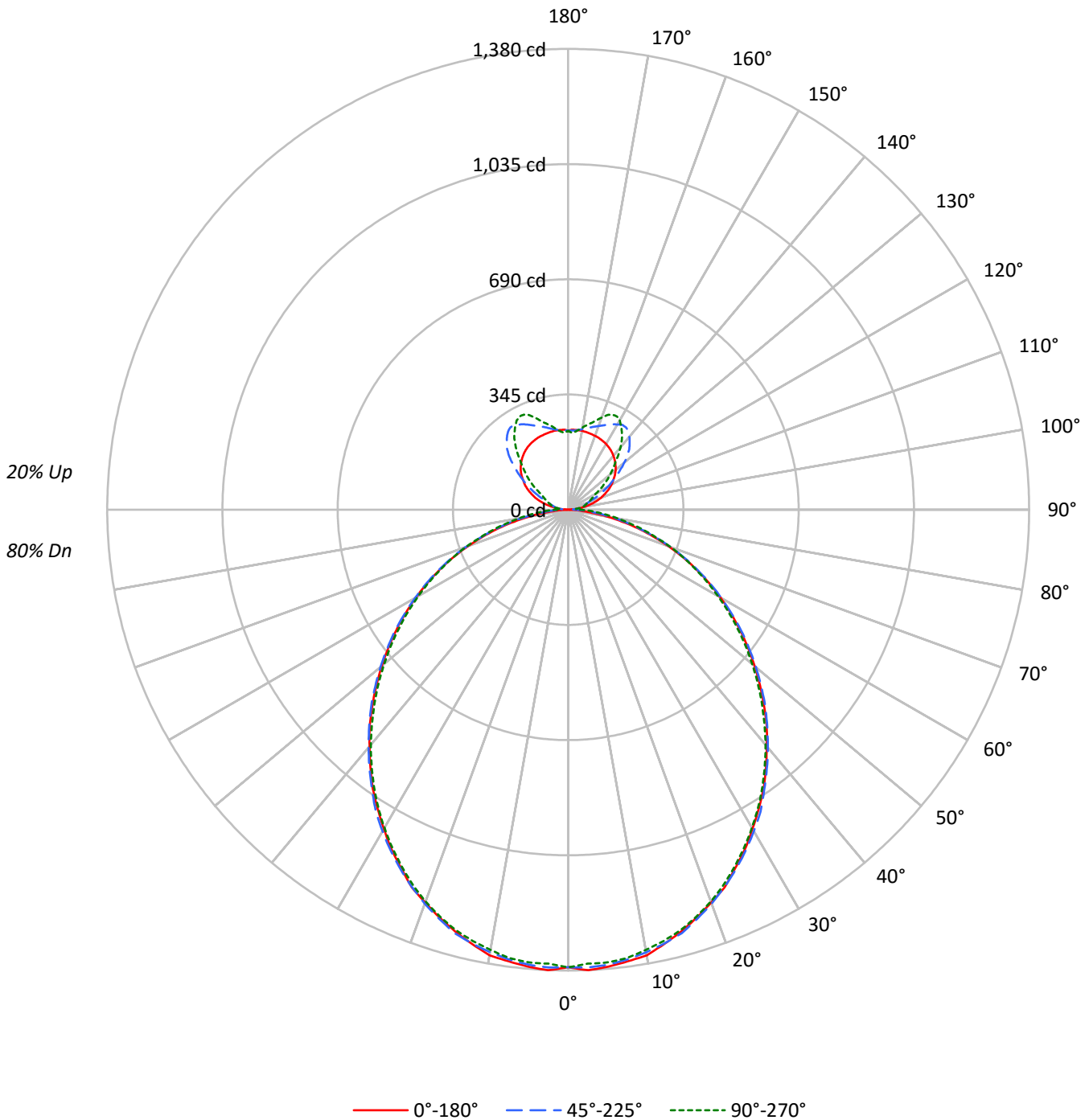
Input Watts (W): 52.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

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	0
RCR																		
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80
1	104	100	96	92	99	95	92	88	87	85	82	80	78	76	73	72	70	67
2	95	87	80	75	90	83	78	73	77	72	68	70	67	63	65	62	59	56
3	87	77	69	62	82	73	66	61	68	62	57	62	57	53	57	53	50	47
4	79	68	59	53	75	65	57	52	60	54	49	55	50	46	51	47	43	40
5	73	61	52	46	69	58	50	44	54	47	42	50	44	40	46	41	38	35
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27
8	58	45	37	31	55	43	36	31	41	34	29	38	32	28	35	30	26	24
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	28	24	22
10	51	38	30	25	49	37	30	25	34	28	24	32	27	23	30	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7530	7530	7530
5°	7550	7375	7295
10°	7506	7174	7057
15°	7356	6976	6806
20°	7210	6695	6512
25°	7037	6410	6187
30°	6835	6116	5854
35°	6646	5789	5511
40°	6407	5454	5153
45°	6179	5125	4778
50°	5933	4765	4398
55°	5675	4396	4011
60°	5387	3987	3611
65°	5056	3543	3182
70°	4586	3025	2732
75°	3951	2398	2194
80°	3014	1727	1637
85°	1574	1032	1109



TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	2.9
10°-20°	367.1	8.1
20°-30°	543.6	12.0
30°-40°	635.3	14.0
40°-50°	638.2	14.1
50°-60°	560.9	12.4
60°-70°	420.3	9.3
70°-80°	239.0	5.3
80°-90°	75.5	1.7
90°-100°	27.2	0.6
100°-110°	66.3	1.5
110°-120°	110.1	2.4
120°-130°	154.5	3.4
130°-140°	178.1	3.9
140°-150°	170.0	3.7
150°-160°	127.9	2.8
160°-170°	72.4	1.6
170°-180°	22.9	0.5
0°-30°	1040.2	22.9
0°-40°	1675.5	36.9
0°-60°	2874.6	63.3
0°-90°	3609.4	79.5
90°-120°	203.6	4.5
90°-150°	706.2	15.6
90°-180°	929.0	20.5
0°-180°	4538.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1374	1360	1368	1363	1361	130
15°	1307	1296	1313	1304	1303	369
25°	1183	1180	1188	1183	1179	545
35°	1020	1012	1023	1015	1013	637
45°	829	828	834	825	820	640
55°	628	630	633	625	618	561
65°	424	425	428	424	420	419
75°	216	219	225	232	232	228
85°	37	49	66	81	85	48
90°	1	7	21	31	36	3
95°	20	20	20	22	23	22
105°	78	66	50	52	53	81
115°	128	159	97	79	78	126
125°	168	232	175	140	130	150
135°	199	253	258	214	199	154
145°	220	250	301	289	280	138
155°	232	246	280	310	314	107
165°	238	241	255	265	269	67
175°	240	238	238	238	234	23
180°	236	236	236	236	236	



TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0
2.5°	1380.4	1378.1	1372.3	1366.5	1365.4	1364.2	1364.2	1363.0	1363.0	1365.4	1372.3
5°	1373.5	1372.3	1366.5	1360.7	1359.6	1359.6	1358.4	1358.4	1358.4	1360.7	1367.7
7.5°	1364.2	1361.9	1356.1	1350.3	1349.1	1349.1	1349.1	1348.0	1349.1	1350.3	1358.4
10°	1354.9	1353.8	1348.0	1341.0	1338.7	1338.7	1337.5	1335.2	1335.2	1337.5	1345.7
12.5°	1331.8	1330.6	1324.8	1320.2	1320.2	1321.3	1321.3	1322.5	1322.5	1324.8	1330.6
15°	1307.4	1306.3	1300.5	1295.8	1295.8	1295.8	1294.7	1294.7	1295.8	1302.8	1313.2
17.5°	1280.8	1279.6	1275.0	1270.3	1270.3	1270.3	1269.2	1269.2	1270.3	1273.8	1284.2
20°	1251.8	1250.6	1246.0	1241.3	1241.3	1241.3	1240.2	1241.3	1241.3	1246.0	1255.3
22.5°	1224.0	1221.6	1215.8	1211.2	1208.9	1208.9	1208.9	1207.7	1210.1	1213.5	1222.8
25°	1183.4	1182.2	1179.9	1176.4	1178.8	1179.9	1177.6	1175.3	1175.3	1179.9	1188.0
27.5°	1146.3	1144.0	1140.5	1137.0	1134.7	1135.9	1137.0	1139.3	1142.8	1144.0	1150.9
30°	1103.4	1102.3	1098.8	1094.1	1095.3	1096.5	1096.5	1096.5	1098.8	1109.2	1111.5
32.5°	1061.7	1060.5	1057.1	1052.4	1053.6	1054.7	1053.6	1054.7	1057.1	1061.7	1072.1
35°	1020.0	1017.6	1014.2	1013.0	1011.9	1011.9	1011.9	1013.0	1014.2	1017.6	1023.4
37.5°	972.4	970.1	967.8	964.3	966.7	969.0	970.1	969.0	970.1	974.8	977.1
40°	924.9	923.8	921.4	919.1	920.3	921.4	920.3	923.8	926.1	928.4	929.6
42.5°	879.7	877.4	875.1	873.9	873.9	875.1	875.1	877.4	877.4	883.2	882.0
45°	828.7	827.6	826.4	826.4	827.6	827.6	827.6	828.7	829.9	833.4	834.5
47.5°	778.9	777.7	777.7	777.7	777.7	778.9	780.0	783.5	781.2	782.4	783.5
50°	729.0	727.9	727.9	727.9	730.2	730.2	732.5	733.7	734.8	732.5	733.7
52.5°	678.0	676.9	679.2	679.2	681.5	681.5	685.0	681.5	683.8	682.7	682.7
55°	628.2	627.0	629.4	628.2	630.5	630.5	632.8	634.0	632.8	632.8	632.8
57.5°	577.2	576.0	577.2	578.4	579.5	579.5	583.0	583.0	579.5	581.8	580.7
60°	526.2	525.1	526.2	527.4	528.5	528.5	529.7	527.4	529.7	530.8	529.7
62.5°	475.2	474.1	476.4	475.2	476.4	477.5	477.5	481.0	479.8	479.8	478.7
65°	424.2	423.1	423.1	423.1	424.2	425.4	426.5	427.7	427.7	428.8	427.7
67.5°	372.1	370.9	372.1	370.9	372.1	373.2	375.5	376.7	376.7	377.9	376.7
70°	318.7	319.9	318.7	319.9	321.1	322.2	323.4	325.7	325.7	325.7	325.7
72.5°	266.6	265.4	265.4	264.3	266.6	267.7	268.9	272.4	272.4	273.5	273.5
75°	215.6	213.3	214.4	213.3	217.9	219.1	219.1	222.5	223.7	226.0	224.9
77.5°	165.7	165.7	163.4	166.9	168.1	170.4	172.7	175.0	176.2	179.7	179.7
80°	118.2	118.2	117.1	119.4	124.0	125.2	128.7	129.8	133.3	135.6	136.8
82.5°	75.3	75.3	75.3	78.8	82.3	83.5	86.9	90.4	92.7	96.2	97.4
85°	37.1	39.4	39.4	44.0	46.4	48.7	49.8	54.5	58.0	62.6	66.1
87.5°	11.6	12.7	13.9	16.2	20.9	22.0	24.3	29.0	32.5	37.1	40.6
90°	1.2	1.2	2.3	3.5	5.8	7.0	9.3	11.6	15.1	18.5	20.9
92.5°	8.1	8.1	9.3	9.3	9.3	9.3	9.3	10.4	11.6	13.9	15.1
95°	19.7	31.3	18.5	17.4	19.7	19.7	20.9	19.7	19.7	19.7	19.7
97.5°	32.5	58.0	38.2	26.7	25.5	26.7	26.7	29.0	30.1	31.3	31.3
100°	47.5	73.0	67.2	44.0	35.9	34.8	34.8	34.8	35.9	37.1	38.2
102.5°	62.6	83.5	96.2	68.4	51.0	46.4	44.0	42.9	41.7	42.9	42.9
105°	77.7	93.9	118.2	92.7	73.0	66.1	59.1	51.0	49.8	49.8	49.8
107.5°	91.6	104.3	134.5	120.5	95.0	88.1	80.0	67.2	59.1	58.0	56.8
110°	104.3	114.7	146.0	143.7	119.4	109.0	102.0	88.1	76.5	68.4	64.9



TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	115.9	125.2	154.2	163.4	146.0	133.3	122.9	109.0	96.2	85.8	77.7
115°	127.5	135.6	161.1	179.7	169.2	158.8	147.2	129.8	117.1	106.6	97.4
117.5°	139.1	146.0	168.1	191.2	188.9	182.0	172.7	151.8	136.8	126.3	115.9
120°	149.5	156.5	175.0	199.4	206.3	200.5	194.7	176.2	157.6	146.0	136.8
122.5°	158.8	164.6	182.0	206.3	219.1	217.9	212.1	199.4	180.8	166.9	155.3
125°	168.1	173.9	188.9	210.9	228.3	231.8	229.5	219.1	205.2	188.9	175.0
127.5°	177.3	182.0	195.9	215.6	235.3	242.2	243.4	236.4	226.0	212.1	197.0
130°	185.4	190.1	201.7	219.1	239.9	248.0	252.7	251.5	243.4	234.1	219.1
132.5°	192.4	195.9	207.5	222.5	242.2	251.5	258.5	264.3	258.5	251.5	241.1
135°	199.4	202.8	212.1	226.0	243.4	252.7	261.9	271.2	272.4	266.6	258.5
137.5°	205.2	207.5	216.7	228.3	243.4	252.7	261.9	274.7	281.6	279.3	272.4
140°	210.9	213.3	220.2	231.8	244.6	252.7	260.8	275.9	285.1	288.6	285.1
142.5°	215.6	217.9	223.7	234.1	244.6	251.5	259.6	273.5	286.3	293.2	295.6
145°	220.2	221.4	227.2	235.3	244.6	250.4	257.3	271.2	284.0	294.4	301.4
147.5°	223.7	224.9	228.3	236.4	244.6	249.2	255.0	266.6	279.3	290.9	301.4
150°	227.2	227.2	230.7	236.4	244.6	248.0	252.7	263.1	273.5	285.1	294.4
152.5°	229.5	229.5	233.0	237.6	243.4	246.9	251.5	259.6	268.9	279.3	288.6
155°	231.8	231.8	234.1	237.6	243.4	245.7	249.2	256.2	264.3	272.4	280.5
157.5°	234.1	234.1	235.3	238.8	242.2	244.6	248.0	253.8	259.6	266.6	273.5
160°	235.3	235.3	236.4	238.8	241.1	243.4	245.7	250.4	256.2	260.8	266.6
162.5°	236.4	236.4	237.6	238.8	241.1	242.2	243.4	248.0	251.5	256.2	260.8
165°	237.6	237.6	237.6	238.8	239.9	241.1	242.2	244.6	248.0	251.5	255.0
167.5°	238.8	238.8	238.8	238.8	239.9	239.9	241.1	242.2	244.6	246.9	249.2
170°	239.9	238.8	238.8	239.9	238.8	238.8	239.9	241.1	241.1	243.4	244.6
172.5°	239.9	239.9	238.8	238.8	238.8	238.8	238.8	238.8	238.8	239.9	241.1
175°	239.9	239.9	238.8	238.8	238.8	237.6	237.6	237.6	237.6	237.6	237.6
177.5°	239.9	239.9	238.8	238.8	237.6	237.6	237.6	237.6	237.6	237.6	237.6
180°	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4



TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0	1370.0
2.5°	1379.3	1373.5	1371.2	1370.0	1368.8	1367.7	1365.4	1363.0	1360.7	1360.7
5°	1373.5	1367.7	1365.4	1364.2	1363.0	1361.9	1360.7	1360.7	1360.7	1360.7
7.5°	1364.2	1358.4	1356.1	1354.9	1354.9	1353.8	1353.8	1353.8	1352.6	1353.8
10°	1350.3	1344.5	1343.3	1342.2	1341.0	1338.7	1338.7	1338.7	1337.5	1338.7
12.5°	1332.9	1327.1	1326.0	1324.8	1323.6	1322.5	1322.5	1321.3	1321.3	1322.5
15°	1315.5	1307.4	1305.1	1305.1	1303.9	1302.8	1303.9	1302.8	1302.8	1302.8
17.5°	1290.0	1286.5	1283.1	1280.8	1279.6	1278.4	1278.4	1277.3	1277.3	1277.3
20°	1256.4	1256.4	1256.4	1250.6	1249.5	1248.3	1248.3	1248.3	1248.3	1248.3
22.5°	1224.0	1218.2	1222.8	1219.3	1217.0	1214.7	1215.8	1215.8	1215.8	1215.8
25°	1188.0	1183.4	1184.6	1185.7	1183.4	1179.9	1179.9	1179.9	1179.9	1178.8
27.5°	1149.8	1146.3	1145.1	1146.3	1148.6	1146.3	1142.8	1139.3	1140.5	1140.5
30°	1108.1	1106.9	1105.7	1103.4	1105.7	1106.9	1101.1	1099.9	1099.9	1099.9
32.5°	1066.3	1065.2	1061.7	1059.4	1060.5	1062.9	1060.5	1058.2	1058.2	1058.2
35°	1024.6	1020.0	1016.5	1015.3	1015.3	1017.6	1016.5	1013.0	1013.0	1013.0
37.5°	975.9	977.1	971.3	970.1	970.1	970.1	972.4	966.7	967.8	966.7
40°	928.4	929.6	926.1	922.6	923.8	921.4	924.9	919.1	919.1	919.1
42.5°	880.9	878.6	879.7	872.8	873.9	873.9	875.1	871.6	870.4	869.3
45°	832.2	829.9	828.7	825.2	825.2	824.1	824.1	819.5	819.5	819.5
47.5°	781.2	780.0	777.7	775.4	775.4	774.2	771.9	770.8	769.6	769.6
50°	732.5	729.0	725.6	726.7	725.6	724.4	722.1	720.9	719.8	718.6
52.5°	680.4	680.4	675.7	675.7	675.7	674.6	672.3	669.9	669.9	668.8
55°	629.4	628.2	624.7	623.6	624.7	623.6	621.3	618.9	618.9	617.8
57.5°	578.4	576.0	574.9	574.9	573.7	573.7	570.3	567.9	569.1	567.9
60°	526.2	526.2	525.1	523.9	523.9	522.7	519.3	519.3	519.3	518.1
62.5°	476.4	476.4	474.1	472.9	474.1	472.9	471.7	470.6	469.4	468.3
65°	424.2	425.4	423.1	424.2	424.2	421.9	421.9	420.7	420.7	419.6
67.5°	375.5	375.5	374.4	374.4	375.5	374.4	374.4	373.2	373.2	372.1
70°	325.7	328.0	326.9	326.9	326.9	325.7	325.7	325.7	324.5	325.7
72.5°	275.9	275.9	275.9	275.9	275.9	277.0	277.0	277.0	277.0	275.9
75°	229.5	230.7	229.5	230.7	231.8	231.8	231.8	231.8	233.0	231.8
77.5°	184.3	185.4	185.4	187.8	187.8	187.8	188.9	188.9	188.9	188.9
80°	141.4	142.6	143.7	146.0	146.0	148.4	149.5	149.5	149.5	149.5
82.5°	102.0	105.5	106.6	110.1	111.3	111.3	113.6	114.7	114.7	114.7
85°	70.7	74.2	76.5	78.8	81.1	81.1	83.5	83.5	84.6	84.6
87.5°	44.0	47.5	49.8	53.3	54.5	55.6	56.8	58.0	59.1	59.1
90°	24.3	26.7	29.0	31.3	31.3	32.5	33.6	34.8	35.9	35.9
92.5°	17.4	18.5	20.9	22.0	22.0	23.2	24.3	24.3	25.5	25.5
95°	19.7	20.9	20.9	22.0	22.0	22.0	23.2	23.2	23.2	23.2
97.5°	30.1	30.1	30.1	29.0	29.0	29.0	29.0	29.0	29.0	29.0
100°	39.4	40.6	40.6	40.6	41.7	41.7	41.7	41.7	40.6	40.6
102.5°	44.0	45.2	46.4	47.5	47.5	47.5	48.7	48.7	48.7	48.7
105°	49.8	49.8	51.0	52.2	52.2	52.2	53.3	53.3	53.3	53.3
107.5°	56.8	56.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
110°	64.9	64.9	64.9	63.7	64.9	63.7	63.7	63.7	63.7	63.7



TEST NUMBER: P395899

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	74.2	73.0	73.0	71.9	71.9	71.9	70.7	70.7	70.7	70.7
115°	89.2	83.5	81.1	78.8	78.8	78.8	77.7	77.7	77.7	77.7
117.5°	107.8	99.7	95.0	90.4	89.2	88.1	85.8	85.8	84.6	84.6
120°	127.5	119.4	112.4	106.6	104.3	103.2	99.7	97.4	95.0	95.0
122.5°	146.0	137.9	131.0	125.2	122.9	120.5	117.1	114.7	112.4	112.4
125°	164.6	156.5	149.5	143.7	140.2	137.9	134.5	132.1	129.8	129.8
127.5°	184.3	173.9	166.9	161.1	157.6	156.5	151.8	149.5	147.2	147.2
130°	206.3	193.6	184.3	177.3	175.0	172.7	169.2	166.9	164.6	164.6
132.5°	228.3	215.6	205.2	195.9	192.4	190.1	185.4	183.1	180.8	180.8
135°	249.2	237.6	227.2	217.9	214.4	210.9	206.3	201.7	199.4	199.4
137.5°	265.4	257.3	248.0	239.9	236.4	233.0	228.3	223.7	220.2	221.4
140°	279.3	272.4	266.6	260.8	257.3	255.0	250.4	246.9	243.4	243.4
142.5°	292.1	286.3	280.5	275.9	274.7	273.5	270.1	266.6	264.3	264.3
145°	303.7	300.2	295.6	289.8	288.6	287.4	284.0	281.6	280.5	280.5
147.5°	307.1	308.3	307.1	303.7	302.5	301.4	299.0	296.7	295.6	295.6
150°	304.8	309.5	311.8	311.8	311.8	311.8	311.8	309.5	308.3	308.3
152.5°	297.9	304.8	309.5	312.9	314.1	315.3	315.3	316.4	315.3	315.3
155°	289.8	296.7	303.7	307.1	309.5	310.6	312.9	314.1	315.3	314.1
157.5°	280.5	286.3	290.9	297.9	300.2	302.5	304.8	307.1	308.3	307.1
160°	272.4	277.0	280.5	285.1	286.3	288.6	290.9	292.1	294.4	293.2
162.5°	264.3	267.7	271.2	273.5	275.9	277.0	279.3	280.5	281.6	280.5
165°	258.5	260.8	261.9	264.3	265.4	266.6	267.7	268.9	268.9	268.9
167.5°	251.5	253.8	255.0	256.2	257.3	258.5	258.5	259.6	259.6	259.6
170°	245.7	246.9	248.0	249.2	249.2	250.4	250.4	250.4	251.5	250.4
172.5°	241.1	241.1	241.1	242.2	242.2	242.2	242.2	242.2	242.2	241.1
175°	238.8	238.8	237.6	237.6	237.6	237.6	237.6	236.4	235.3	234.1
177.5°	237.6	236.4	236.4	235.3	235.3	235.3	234.1	233.0	231.8	230.7
180°	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4	236.4

(END OF REPORT)