

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: P395900

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395900
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 (6500K)
Description: CORELITE I3, DOWNLIGHT TRAY
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4567.7 lumens
Efficiency: N/A
Efficacy: 86.0 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

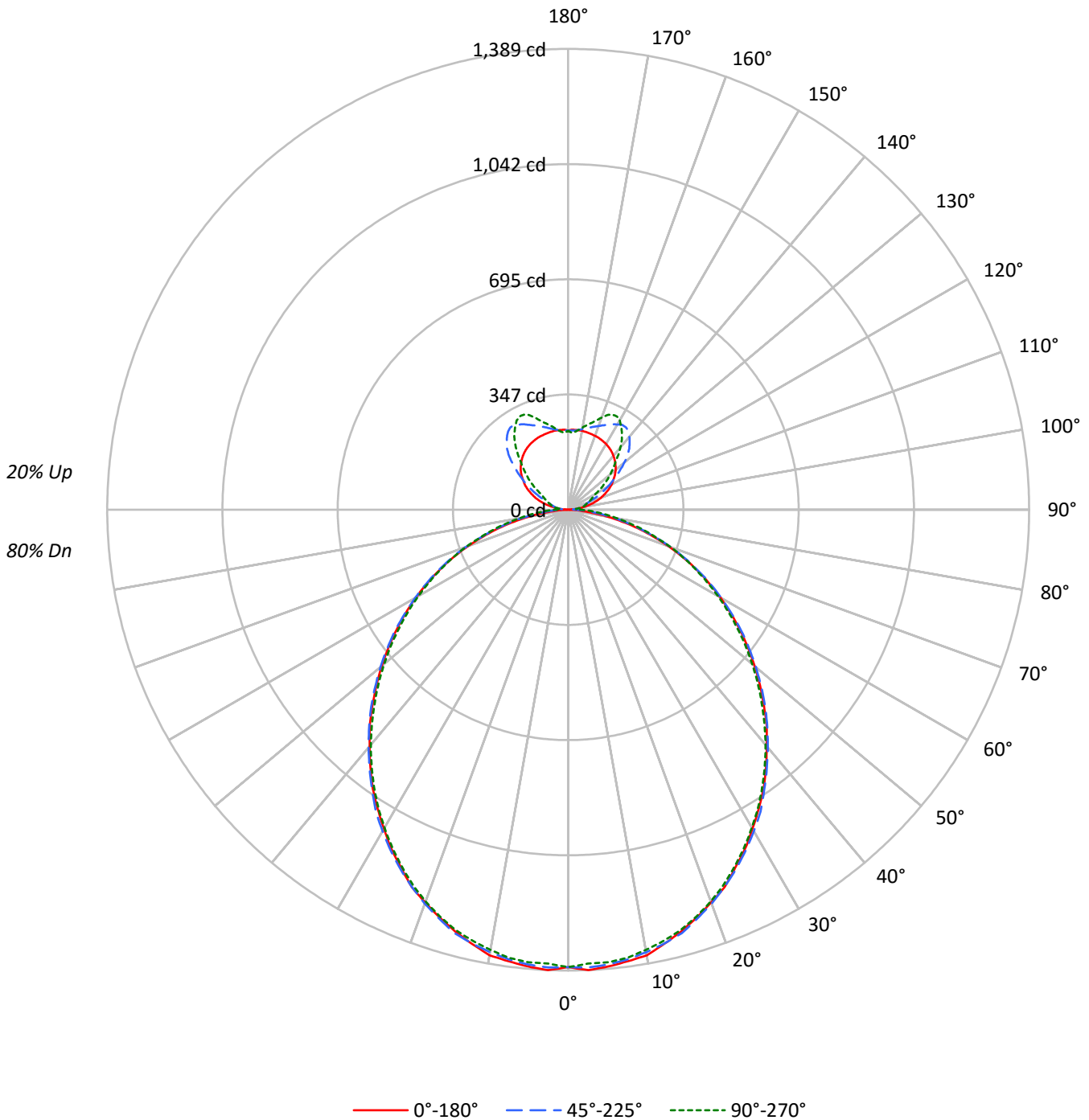
Input Watts (W): 53.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395900

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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	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°	7578	7578	7578
5°	7598	7422	7342
10°	7554	7220	7102
15°	7402	7020	6849
20°	7256	6737	6553
25°	7082	6451	6227
30°	6878	6155	5891
35°	6688	5827	5546
40°	6448	5488	5186
45°	6218	5157	4808
50°	5971	4794	4426
55°	5711	4424	4036
60°	5422	4013	3634
65°	5088	3565	3202
70°	4616	3045	2750
75°	3977	2413	2208
80°	3034	1737	1648
85°	1583	1039	1116



TEST NUMBER: P395900

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	2.9
10°-20°	369.5	8.1
20°-30°	547.1	12.0
30°-40°	639.4	14.0
40°-50°	642.3	14.1
50°-60°	564.5	12.4
60°-70°	422.9	9.3
70°-80°	240.5	5.3
80°-90°	75.9	1.7
90°-100°	27.4	0.6
100°-110°	66.7	1.5
110°-120°	110.8	2.4
120°-130°	155.5	3.4
130°-140°	179.2	3.9
140°-150°	171.1	3.7
150°-160°	128.7	2.8
160°-170°	72.8	1.6
170°-180°	23.1	0.5
0°-30°	1046.8	22.9
0°-40°	1686.2	36.9
0°-60°	2892.9	63.3
0°-90°	3632.4	79.5
90°-120°	204.9	4.5
90°-150°	710.7	15.6
90°-180°	935.0	20.5
0°-180°	4567.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1382	1368	1376	1372	1369	131
15°	1316	1304	1322	1312	1311	371
25°	1191	1187	1196	1191	1186	549
35°	1026	1018	1030	1022	1020	641
45°	834	833	840	830	825	644
55°	632	634	637	629	622	565
65°	427	428	430	427	422	422
75°	217	220	226	233	233	230
85°	37	49	66	82	85	49
90°	1	7	21	32	36	3
95°	20	20	20	22	23	22
105°	78	66	50	52	54	82
115°	128	160	98	79	78	127
125°	169	233	176	141	131	151
135°	201	254	260	216	201	155
145°	222	252	303	290	282	139
155°	233	247	282	311	316	108
165°	239	243	257	267	271	68
175°	242	239	239	239	236	23
180°	238	238	238	238	238	



TEST NUMBER: P395900

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7
2.5°	1389.2	1386.9	1381.1	1375.2	1374.1	1372.9	1372.9	1371.7	1371.7	1374.1	1381.1
5°	1382.2	1381.1	1375.2	1369.4	1368.2	1368.2	1367.1	1367.1	1367.1	1369.4	1376.4
7.5°	1372.9	1370.6	1364.7	1358.9	1357.7	1357.7	1357.7	1356.6	1357.7	1358.9	1367.1
10°	1363.6	1362.4	1356.6	1349.6	1347.2	1347.2	1346.1	1343.7	1343.7	1346.1	1354.2
12.5°	1340.2	1339.1	1333.2	1328.6	1328.6	1329.7	1329.7	1330.9	1330.9	1333.2	1339.1
15°	1315.7	1314.6	1308.7	1304.1	1304.1	1304.1	1302.9	1302.9	1304.1	1311.1	1321.6
17.5°	1288.9	1287.7	1283.1	1278.4	1278.4	1278.4	1277.2	1277.2	1278.4	1281.9	1292.4
20°	1259.7	1258.6	1253.9	1249.2	1249.2	1249.2	1248.1	1249.2	1249.2	1253.9	1263.2
22.5°	1231.7	1229.4	1223.6	1218.9	1216.6	1216.6	1216.6	1215.4	1217.8	1221.2	1230.6
25°	1190.9	1189.8	1187.4	1183.9	1186.3	1187.4	1185.1	1182.8	1182.8	1187.4	1195.6
27.5°	1153.6	1151.3	1147.8	1144.3	1141.9	1143.1	1144.3	1146.6	1150.1	1151.3	1158.3
30°	1110.4	1109.3	1105.8	1101.1	1102.3	1103.4	1103.4	1103.4	1105.8	1116.3	1118.6
32.5°	1068.4	1067.3	1063.8	1059.1	1060.3	1061.4	1060.3	1061.4	1063.8	1068.4	1078.9
35°	1026.5	1024.1	1020.6	1019.5	1018.3	1018.3	1018.3	1019.5	1020.6	1024.1	1030.0
37.5°	978.6	976.3	974.0	970.5	972.8	975.1	976.3	975.1	976.3	981.0	983.3
40°	930.8	929.6	927.3	925.0	926.1	927.3	926.1	929.6	932.0	934.3	935.5
42.5°	885.3	883.0	880.7	879.5	879.5	880.7	880.7	883.0	883.0	888.8	887.7
45°	834.0	832.8	831.7	831.7	832.8	832.8	832.8	834.0	835.2	838.7	839.8
47.5°	783.8	782.7	782.7	782.7	782.7	783.8	785.0	788.5	786.2	787.3	788.5
50°	733.7	732.5	732.5	732.5	734.8	734.8	737.2	738.3	739.5	737.2	738.3
52.5°	682.4	681.2	683.5	683.5	685.9	685.9	689.4	685.9	688.2	687.0	687.0
55°	632.2	631.0	633.4	632.2	634.5	634.5	636.9	638.0	636.9	636.9	636.9
57.5°	580.9	579.7	580.9	582.0	583.2	583.2	586.7	586.7	583.2	585.5	584.4
60°	529.6	528.4	529.6	530.7	531.9	531.9	533.1	530.7	533.1	534.2	533.1
62.5°	478.2	477.1	479.4	478.2	479.4	480.6	480.6	484.1	482.9	482.9	481.7
65°	426.9	425.7	425.7	425.7	426.9	428.1	429.2	430.4	430.4	431.6	430.4
67.5°	374.4	373.3	374.4	373.3	374.4	375.6	377.9	379.1	379.1	380.3	379.1
70°	320.8	321.9	320.8	321.9	323.1	324.3	325.4	327.8	327.8	327.8	327.8
72.5°	268.3	267.1	267.1	265.9	268.3	269.4	270.6	274.1	274.1	275.3	275.3
75°	217.0	214.6	215.8	214.6	219.3	220.5	220.5	224.0	225.1	227.5	226.3
77.5°	166.8	166.8	164.5	168.0	169.1	171.5	173.8	176.1	177.3	180.8	180.8
80°	119.0	119.0	117.8	120.1	124.8	126.0	129.5	130.6	134.1	136.5	137.6
82.5°	75.8	75.8	75.8	79.3	82.8	84.0	87.5	91.0	93.3	96.8	98.0
85°	37.3	39.7	39.7	44.3	46.7	49.0	50.2	54.8	58.3	63.0	66.5
87.5°	11.7	12.8	14.0	16.3	21.0	22.2	24.5	29.2	32.7	37.3	40.8
90°	1.2	1.2	2.3	3.5	5.8	7.0	9.3	11.7	15.2	18.7	21.0
92.5°	8.2	8.2	9.3	9.3	9.3	9.3	9.3	10.5	11.7	14.0	15.2
95°	19.8	31.5	18.7	17.5	19.8	19.8	21.0	19.8	19.8	19.8	19.8
97.5°	32.7	58.3	38.5	26.8	25.7	26.8	26.8	29.2	30.3	31.5	31.5
100°	47.8	73.5	67.7	44.3	36.2	35.0	35.0	35.0	36.2	37.3	38.5
102.5°	63.0	84.0	96.8	68.8	51.3	46.7	44.3	43.2	42.0	43.2	43.2
105°	78.2	94.5	119.0	93.3	73.5	66.5	59.5	51.3	50.2	50.2	50.2
107.5°	92.1	105.0	135.3	121.3	95.6	88.6	80.5	67.7	59.5	58.3	57.2
110°	105.0	115.5	147.0	144.6	120.1	109.6	102.6	88.6	77.0	68.8	65.3



TEST NUMBER: P395900

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	116.6	126.0	155.1	164.5	147.0	134.1	123.6	109.6	96.8	86.3	78.2
115°	128.3	136.5	162.1	180.8	170.3	159.8	148.1	130.6	117.8	107.3	98.0
117.5°	140.0	147.0	169.1	192.5	190.1	183.1	173.8	152.8	137.6	127.1	116.6
120°	150.5	157.5	176.1	200.6	207.6	201.8	196.0	177.3	158.6	147.0	137.6
122.5°	159.8	165.6	183.1	207.6	220.5	219.3	213.5	200.6	182.0	168.0	156.3
125°	169.1	175.0	190.1	212.3	229.8	233.3	231.0	220.5	206.5	190.1	176.1
127.5°	178.5	183.1	197.1	217.0	236.8	243.8	244.9	238.0	227.5	213.5	198.3
130°	186.6	191.3	203.0	220.5	241.5	249.6	254.3	253.1	244.9	235.6	220.5
132.5°	193.6	197.1	208.8	224.0	243.8	253.1	260.1	265.9	260.1	253.1	242.6
135°	200.6	204.1	213.5	227.5	244.9	254.3	263.6	272.9	274.1	268.3	260.1
137.5°	206.5	208.8	218.1	229.8	244.9	254.3	263.6	276.4	283.4	281.1	274.1
140°	212.3	214.6	221.6	233.3	246.1	254.3	262.4	277.6	286.9	290.4	286.9
142.5°	217.0	219.3	225.1	235.6	246.1	253.1	261.3	275.3	288.1	295.1	297.4
145°	221.6	222.8	228.6	236.8	246.1	251.9	258.9	272.9	285.8	296.3	303.3
147.5°	225.1	226.3	229.8	238.0	246.1	250.8	256.6	268.3	281.1	292.8	303.3
150°	228.6	228.6	232.1	238.0	246.1	249.6	254.3	264.8	275.3	286.9	296.3
152.5°	231.0	231.0	234.5	239.1	244.9	248.4	253.1	261.3	270.6	281.1	290.4
155°	233.3	233.3	235.6	239.1	244.9	247.3	250.8	257.8	265.9	274.1	282.3
157.5°	235.6	235.6	236.8	240.3	243.8	246.1	249.6	255.4	261.3	268.3	275.3
160°	236.8	236.8	238.0	240.3	242.6	244.9	247.3	251.9	257.8	262.4	268.3
162.5°	238.0	238.0	239.1	240.3	242.6	243.8	244.9	249.6	253.1	257.8	262.4
165°	239.1	239.1	239.1	240.3	241.5	242.6	243.8	246.1	249.6	253.1	256.6
167.5°	240.3	240.3	240.3	240.3	241.5	241.5	242.6	243.8	246.1	248.4	250.8
170°	241.5	240.3	240.3	241.5	240.3	240.3	241.5	242.6	242.6	244.9	246.1
172.5°	241.5	241.5	240.3	240.3	240.3	240.3	240.3	240.3	240.3	241.5	242.6
175°	241.5	241.5	240.3	240.3	240.3	239.1	239.1	239.1	239.1	239.1	239.1
177.5°	241.5	241.5	240.3	240.3	239.1	239.1	239.1	239.1	239.1	239.1	239.1
180°	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7	1378.7
2.5°	1388.0	1382.2	1379.9	1378.7	1377.6	1376.4	1374.1	1371.7	1369.4	1369.4
5°	1382.2	1376.4	1374.1	1372.9	1371.7	1370.6	1369.4	1369.4	1369.4	1369.4
7.5°	1372.9	1367.1	1364.7	1363.6	1363.6	1362.4	1362.4	1362.4	1361.2	1362.4
10°	1358.9	1353.1	1351.9	1350.7	1349.6	1347.2	1347.2	1347.2	1346.1	1347.2
12.5°	1341.4	1335.6	1334.4	1333.2	1332.1	1330.9	1330.9	1329.7	1329.7	1330.9
15°	1323.9	1315.7	1313.4	1313.4	1312.2	1311.1	1312.2	1311.1	1311.1	1311.1
17.5°	1298.2	1294.7	1291.2	1288.9	1287.7	1286.6	1286.6	1285.4	1285.4	1285.4
20°	1264.4	1264.4	1264.4	1258.6	1257.4	1256.2	1256.2	1256.2	1256.2	1256.2
22.5°	1231.7	1225.9	1230.6	1227.1	1224.7	1222.4	1223.6	1223.6	1223.6	1223.6
25°	1195.6	1190.9	1192.1	1193.3	1190.9	1187.4	1187.4	1187.4	1187.4	1186.3
27.5°	1157.1	1153.6	1152.4	1153.6	1155.9	1153.6	1150.1	1146.6	1147.8	1147.8
30°	1115.1	1113.9	1112.8	1110.4	1112.8	1113.9	1108.1	1106.9	1106.9	1106.9
32.5°	1073.1	1071.9	1068.4	1066.1	1067.3	1069.6	1067.3	1064.9	1064.9	1064.9
35°	1031.1	1026.5	1023.0	1021.8	1021.8	1024.1	1023.0	1019.5	1019.5	1019.5
37.5°	982.1	983.3	977.5	976.3	976.3	976.3	978.6	972.8	974.0	972.8
40°	934.3	935.5	932.0	928.5	929.6	927.3	930.8	925.0	925.0	925.0
42.5°	886.5	884.2	885.3	878.3	879.5	879.5	880.7	877.2	876.0	874.8
45°	837.5	835.2	834.0	830.5	830.5	829.3	829.3	824.7	824.7	824.7
47.5°	786.2	785.0	782.7	780.3	780.3	779.2	776.8	775.7	774.5	774.5
50°	737.2	733.7	730.2	731.4	730.2	729.0	726.7	725.5	724.4	723.2
52.5°	684.7	684.7	680.0	680.0	680.0	678.9	676.5	674.2	674.2	673.0
55°	633.4	632.2	628.7	627.5	628.7	627.5	625.2	622.9	622.9	621.7
57.5°	582.0	579.7	578.5	578.5	577.4	577.4	573.9	571.5	572.7	571.5
60°	529.6	529.6	528.4	527.2	527.2	526.1	522.6	522.6	522.6	521.4
62.5°	479.4	479.4	477.1	475.9	477.1	475.9	474.7	473.6	472.4	471.2
65°	426.9	428.1	425.7	426.9	426.9	424.6	424.6	423.4	423.4	422.2
67.5°	377.9	377.9	376.8	376.8	377.9	376.8	376.8	375.6	375.6	374.4
70°	327.8	330.1	328.9	328.9	328.9	327.8	327.8	327.8	326.6	327.8
72.5°	277.6	277.6	277.6	277.6	277.6	278.8	278.8	278.8	278.8	277.6
75°	231.0	232.1	231.0	232.1	233.3	233.3	233.3	233.3	234.5	233.3
77.5°	185.5	186.6	186.6	189.0	189.0	189.0	190.1	190.1	190.1	190.1
80°	142.3	143.5	144.6	147.0	147.0	149.3	150.5	150.5	150.5	150.5
82.5°	102.6	106.1	107.3	110.8	112.0	112.0	114.3	115.5	115.5	115.5
85°	71.2	74.7	77.0	79.3	81.6	81.6	84.0	84.0	85.1	85.1
87.5°	44.3	47.8	50.2	53.7	54.8	56.0	57.2	58.3	59.5	59.5
90°	24.5	26.8	29.2	31.5	31.5	32.7	33.8	35.0	36.2	36.2
92.5°	17.5	18.7	21.0	22.2	22.2	23.3	24.5	24.5	25.7	25.7
95°	19.8	21.0	21.0	22.2	22.2	22.2	23.3	23.3	23.3	23.3
97.5°	30.3	30.3	30.3	29.2	29.2	29.2	29.2	29.2	29.2	29.2
100°	39.7	40.8	40.8	40.8	42.0	42.0	42.0	42.0	40.8	40.8
102.5°	44.3	45.5	46.7	47.8	47.8	47.8	49.0	49.0	49.0	49.0
105°	50.2	50.2	51.3	52.5	52.5	52.5	53.7	53.7	53.7	53.7
107.5°	57.2	57.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
110°	65.3	65.3	65.3	64.2	65.3	64.2	64.2	64.2	64.2	64.2



TEST NUMBER: P395900

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	74.7	73.5	73.5	72.3	72.3	72.3	71.2	71.2	71.2	71.2
115°	89.8	84.0	81.6	79.3	79.3	79.3	78.2	78.2	78.2	78.2
117.5°	108.5	100.3	95.6	91.0	89.8	88.6	86.3	86.3	85.1	85.1
120°	128.3	120.1	113.1	107.3	105.0	103.8	100.3	98.0	95.6	95.6
122.5°	147.0	138.8	131.8	126.0	123.6	121.3	117.8	115.5	113.1	113.1
125°	165.6	157.5	150.5	144.6	141.1	138.8	135.3	133.0	130.6	130.6
127.5°	185.5	175.0	168.0	162.1	158.6	157.5	152.8	150.5	148.1	148.1
130°	207.6	194.8	185.5	178.5	176.1	173.8	170.3	168.0	165.6	165.6
132.5°	229.8	217.0	206.5	197.1	193.6	191.3	186.6	184.3	182.0	182.0
135°	250.8	239.1	228.6	219.3	215.8	212.3	207.6	203.0	200.6	200.6
137.5°	267.1	258.9	249.6	241.5	238.0	234.5	229.8	225.1	221.6	222.8
140°	281.1	274.1	268.3	262.4	258.9	256.6	251.9	248.4	244.9	244.9
142.5°	293.9	288.1	282.3	277.6	276.4	275.3	271.8	268.3	265.9	265.9
145°	305.6	302.1	297.4	291.6	290.4	289.3	285.8	283.4	282.3	282.3
147.5°	309.1	310.3	309.1	305.6	304.4	303.3	300.9	298.6	297.4	297.4
150°	306.8	311.4	313.8	313.8	313.8	313.8	313.8	311.4	310.3	310.3
152.5°	299.8	306.8	311.4	314.9	316.1	317.3	317.3	318.4	317.3	317.3
155°	291.6	298.6	305.6	309.1	311.4	312.6	314.9	316.1	317.3	316.1
157.5°	282.3	288.1	292.8	299.8	302.1	304.4	306.8	309.1	310.3	309.1
160°	274.1	278.8	282.3	286.9	288.1	290.4	292.8	293.9	296.3	295.1
162.5°	265.9	269.4	272.9	275.3	277.6	278.8	281.1	282.3	283.4	282.3
165°	260.1	262.4	263.6	265.9	267.1	268.3	269.4	270.6	270.6	270.6
167.5°	253.1	255.4	256.6	257.8	258.9	260.1	260.1	261.3	261.3	261.3
170°	247.3	248.4	249.6	250.8	250.8	251.9	251.9	251.9	253.1	251.9
172.5°	242.6	242.6	242.6	243.8	243.8	243.8	243.8	243.8	243.8	242.6
175°	240.3	240.3	239.1	239.1	239.1	239.1	239.1	238.0	236.8	235.6
177.5°	239.1	238.0	238.0	236.8	236.8	236.8	235.6	234.5	233.3	232.1
180°	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0	238.0

(END OF REPORT)