

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: P395894

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395894
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 (3000K)
Description: CORELITE I3, DOWNLIGHT TRAY
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3922.7 lumens
Efficiency: N/A
Efficacy: 78.1 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

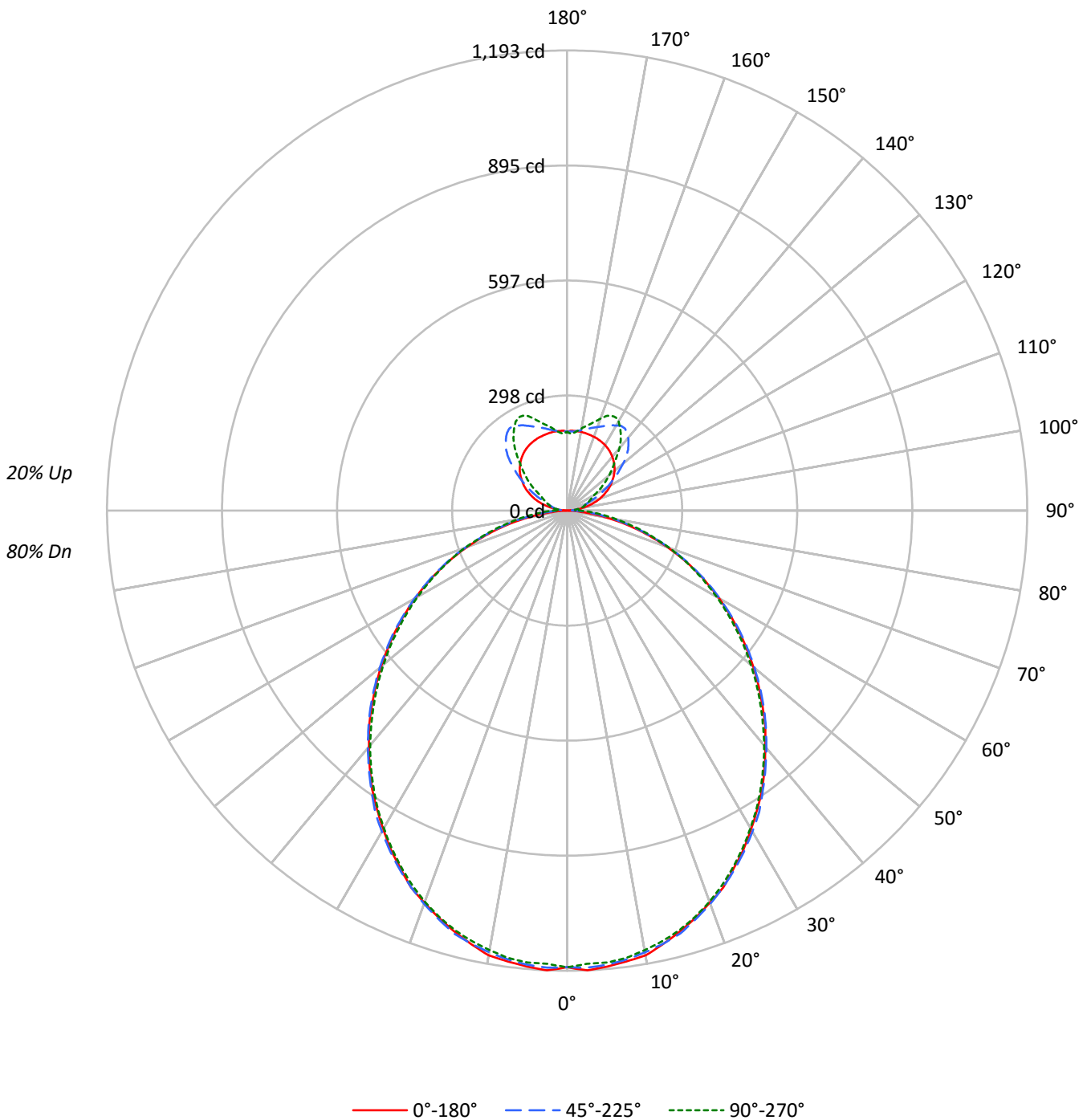
Input Watts (W): 50.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6508	6508	6508
5°	6525	6373	6305
10°	6487	6200	6099
15°	6357	6029	5881
20°	6232	5786	5628
25°	6082	5541	5348
30°	5907	5286	5060
35°	5744	5004	4763
40°	5538	4713	4454
45°	5340	4429	4129
50°	5128	4118	3801
55°	4904	3799	3466
60°	4656	3446	3121
65°	4369	3062	2750
70°	3964	2615	2361
75°	3414	2071	1896
80°	2606	1492	1415
85°	1362	892	958



TEST NUMBER: P395894

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	2.9
10°-20°	317.3	8.1
20°-30°	469.8	12.0
30°-40°	549.1	14.0
40°-50°	551.6	14.1
50°-60°	484.8	12.4
60°-70°	363.2	9.3
70°-80°	206.6	5.3
80°-90°	65.2	1.7
90°-100°	23.5	0.6
100°-110°	57.3	1.5
110°-120°	95.2	2.4
120°-130°	133.5	3.4
130°-140°	153.9	3.9
140°-150°	146.9	3.7
150°-160°	110.5	2.8
160°-170°	62.6	1.6
170°-180°	19.8	0.5
0°-30°	899.0	22.9
0°-40°	1448.1	36.9
0°-60°	2484.5	63.3
0°-90°	3119.5	79.5
90°-120°	176.0	4.5
90°-150°	610.3	15.6
90°-180°	803.0	20.5
0°-180°	3922.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1187	1175	1182	1178	1176	113
15°	1130	1120	1135	1127	1126	319
25°	1023	1020	1027	1023	1019	471
35°	882	874	884	878	876	550
45°	716	715	721	713	708	553
55°	543	545	547	540	534	485
65°	367	368	370	367	363	362
75°	186	189	194	200	200	197
85°	32	42	57	70	73	42
90°	1	6	18	27	31	3
95°	17	17	17	19	20	19
105°	67	57	43	45	46	70
115°	110	137	84	68	67	109
125°	145	200	151	121	112	130
135°	172	218	223	185	172	133
145°	190	216	260	249	242	119
155°	200	212	242	268	272	93
165°	205	208	220	229	232	58
175°	207	205	205	205	202	20
180°	204	204	204	204	204	



TEST NUMBER: P395894

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0
2.5°	1193.1	1191.1	1186.0	1181.0	1180.0	1179.0	1179.0	1178.0	1178.0	1180.0	1186.0
5°	1187.0	1186.0	1181.0	1176.0	1175.0	1175.0	1174.0	1174.0	1174.0	1176.0	1182.0
7.5°	1179.0	1177.0	1172.0	1167.0	1166.0	1166.0	1166.0	1165.0	1166.0	1167.0	1174.0
10°	1171.0	1170.0	1165.0	1159.0	1157.0	1157.0	1156.0	1154.0	1154.0	1156.0	1163.0
12.5°	1151.0	1150.0	1145.0	1141.0	1141.0	1142.0	1142.0	1143.0	1143.0	1145.0	1150.0
15°	1129.9	1128.9	1123.9	1119.9	1119.9	1119.9	1118.9	1118.9	1119.9	1125.9	1135.0
17.5°	1106.9	1105.9	1101.9	1097.9	1097.9	1097.9	1096.9	1096.9	1097.9	1100.9	1109.9
20°	1081.9	1080.9	1076.9	1072.8	1072.8	1072.8	1071.8	1072.8	1072.8	1076.9	1084.9
22.5°	1057.8	1055.8	1050.8	1046.8	1044.8	1044.8	1044.8	1043.8	1045.8	1048.8	1056.8
25°	1022.8	1021.8	1019.8	1016.8	1018.8	1019.8	1017.8	1015.8	1015.8	1019.8	1026.8
27.5°	990.7	988.7	985.7	982.7	980.7	981.7	982.7	984.7	987.7	988.7	994.7
30°	953.6	952.6	949.6	945.6	946.6	947.6	947.6	947.6	949.6	958.7	960.7
32.5°	917.6	916.6	913.6	909.6	910.6	911.6	910.6	911.6	913.6	917.6	926.6
35°	881.5	879.5	876.5	875.5	874.5	874.5	874.5	875.5	876.5	879.5	884.5
37.5°	840.4	838.4	836.4	833.4	835.4	837.4	838.4	837.4	838.4	842.5	844.5
40°	799.4	798.4	796.4	794.4	795.4	796.4	795.4	798.4	800.4	802.4	803.4
42.5°	760.3	758.3	756.3	755.3	755.3	756.3	756.3	758.3	758.3	763.3	762.3
45°	716.2	715.2	714.2	714.2	715.2	715.2	715.2	716.2	717.2	720.2	721.2
47.5°	673.2	672.2	672.2	672.2	672.2	673.2	674.2	677.2	675.2	676.2	677.2
50°	630.1	629.1	629.1	629.1	631.1	631.1	633.1	634.1	635.1	633.1	634.1
52.5°	586.0	585.0	587.0	587.0	589.0	589.0	592.0	589.0	591.0	590.0	590.0
55°	542.9	541.9	543.9	542.9	544.9	544.9	546.9	547.9	546.9	546.9	546.9
57.5°	498.9	497.9	498.9	499.9	500.9	500.9	503.9	503.9	500.9	502.9	501.9
60°	454.8	453.8	454.8	455.8	456.8	456.8	457.8	455.8	457.8	458.8	457.8
62.5°	410.7	409.7	411.7	410.7	411.7	412.7	412.7	415.7	414.7	414.7	413.7
65°	366.6	365.6	365.6	365.6	366.6	367.6	368.6	369.6	369.6	370.6	369.6
67.5°	321.6	320.6	321.6	320.6	321.6	322.6	324.6	325.6	325.6	326.6	325.6
70°	275.5	276.5	275.5	276.5	277.5	278.5	279.5	281.5	281.5	281.5	281.5
72.5°	230.4	229.4	229.4	228.4	230.4	231.4	232.4	235.4	235.4	236.4	236.4
75°	186.3	184.3	185.3	184.3	188.3	189.3	189.3	192.3	193.3	195.3	194.3
77.5°	143.2	143.2	141.2	144.2	145.3	147.3	149.3	151.3	152.3	155.3	155.3
80°	102.2	102.2	101.2	103.2	107.2	108.2	111.2	112.2	115.2	117.2	118.2
82.5°	65.1	65.1	65.1	68.1	71.1	72.1	75.1	78.1	80.1	83.1	84.1
85°	32.1	34.1	34.1	38.1	40.1	42.1	43.1	47.1	50.1	54.1	57.1
87.5°	10.0	11.0	12.0	14.0	18.0	19.0	21.0	25.0	28.0	32.1	35.1
90°	1.0	1.0	2.0	3.0	5.0	6.0	8.0	10.0	13.0	16.0	18.0
92.5°	7.0	7.0	8.0	8.0	8.0	8.0	8.0	9.0	10.0	12.0	13.0
95°	17.0	27.0	16.0	15.0	17.0	17.0	18.0	17.0	17.0	17.0	17.0
97.5°	28.0	50.1	33.1	23.0	22.0	23.0	23.0	25.0	26.0	27.0	27.0
100°	41.1	63.1	58.1	38.1	31.1	30.1	30.1	30.1	31.1	32.1	33.1
102.5°	54.1	72.1	83.1	59.1	44.1	40.1	38.1	37.1	36.1	37.1	37.1
105°	67.1	81.1	102.2	80.1	63.1	57.1	51.1	44.1	43.1	43.1	43.1
107.5°	79.1	90.2	116.2	104.2	82.1	76.1	69.1	58.1	51.1	50.1	49.1
110°	90.2	99.2	126.2	124.2	103.2	94.2	88.2	76.1	66.1	59.1	56.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	100.2	108.2	133.2	141.2	126.2	115.2	106.2	94.2	83.1	74.1	67.1
115°	110.2	117.2	139.2	155.3	146.3	137.2	127.2	112.2	101.2	92.2	84.1
117.5°	120.2	126.2	145.3	165.3	163.3	157.3	149.3	131.2	118.2	109.2	100.2
120°	129.2	135.2	151.3	172.3	178.3	173.3	168.3	152.3	136.2	126.2	118.2
122.5°	137.2	142.2	157.3	178.3	189.3	188.3	183.3	172.3	156.3	144.2	134.2
125°	145.3	150.3	163.3	182.3	197.3	200.3	198.3	189.3	177.3	163.3	151.3
127.5°	153.3	157.3	169.3	186.3	203.4	209.4	210.4	204.4	195.3	183.3	170.3
130°	160.3	164.3	174.3	189.3	207.4	214.4	218.4	217.4	210.4	202.3	189.3
132.5°	166.3	169.3	179.3	192.3	209.4	217.4	223.4	228.4	223.4	217.4	208.4
135°	172.3	175.3	183.3	195.3	210.4	218.4	226.4	234.4	235.4	230.4	223.4
137.5°	177.3	179.3	187.3	197.3	210.4	218.4	226.4	237.4	243.4	241.4	235.4
140°	182.3	184.3	190.3	200.3	211.4	218.4	225.4	238.4	246.4	249.4	246.4
142.5°	186.3	188.3	193.3	202.3	211.4	217.4	224.4	236.4	247.4	253.4	255.4
145°	190.3	191.3	196.3	203.4	211.4	216.4	222.4	234.4	245.4	254.4	260.4
147.5°	193.3	194.3	197.3	204.4	211.4	215.4	220.4	230.4	241.4	251.4	260.4
150°	196.3	196.3	199.3	204.4	211.4	214.4	218.4	227.4	236.4	246.4	254.4
152.5°	198.3	198.3	201.3	205.4	210.4	213.4	217.4	224.4	232.4	241.4	249.4
155°	200.3	200.3	202.3	205.4	210.4	212.4	215.4	221.4	228.4	235.4	242.4
157.5°	202.3	202.3	203.4	206.4	209.4	211.4	214.4	219.4	224.4	230.4	236.4
160°	203.4	203.4	204.4	206.4	208.4	210.4	212.4	216.4	221.4	225.4	230.4
162.5°	204.4	204.4	205.4	206.4	208.4	209.4	210.4	214.4	217.4	221.4	225.4
165°	205.4	205.4	205.4	206.4	207.4	208.4	209.4	211.4	214.4	217.4	220.4
167.5°	206.4	206.4	206.4	206.4	207.4	207.4	208.4	209.4	211.4	213.4	215.4
170°	207.4	206.4	206.4	207.4	206.4	206.4	207.4	208.4	208.4	210.4	211.4
172.5°	207.4	207.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	207.4	208.4
175°	207.4	207.4	206.4	206.4	206.4	205.4	205.4	205.4	205.4	205.4	205.4
177.5°	207.4	207.4	206.4	206.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
180°	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0	1184.0
2.5°	1192.1	1187.0	1185.0	1184.0	1183.0	1182.0	1180.0	1178.0	1176.0	1176.0
5°	1187.0	1182.0	1180.0	1179.0	1178.0	1177.0	1176.0	1176.0	1176.0	1176.0
7.5°	1179.0	1174.0	1172.0	1171.0	1171.0	1170.0	1170.0	1170.0	1169.0	1170.0
10°	1167.0	1162.0	1161.0	1160.0	1159.0	1157.0	1157.0	1157.0	1156.0	1157.0
12.5°	1152.0	1147.0	1146.0	1145.0	1144.0	1143.0	1143.0	1142.0	1142.0	1143.0
15°	1137.0	1129.9	1127.9	1127.9	1126.9	1125.9	1126.9	1125.9	1125.9	1125.9
17.5°	1114.9	1111.9	1108.9	1106.9	1105.9	1104.9	1104.9	1103.9	1103.9	1103.9
20°	1085.9	1085.9	1085.9	1080.9	1079.9	1078.9	1078.9	1078.9	1078.9	1078.9
22.5°	1057.8	1052.8	1056.8	1053.8	1051.8	1049.8	1050.8	1050.8	1050.8	1050.8
25°	1026.8	1022.8	1023.8	1024.8	1022.8	1019.8	1019.8	1019.8	1019.8	1018.8
27.5°	993.7	990.7	989.7	990.7	992.7	990.7	987.7	984.7	985.7	985.7
30°	957.7	956.6	955.6	953.6	955.6	956.6	951.6	950.6	950.6	950.6
32.5°	921.6	920.6	917.6	915.6	916.6	918.6	916.6	914.6	914.6	914.6
35°	885.5	881.5	878.5	877.5	877.5	879.5	878.5	875.5	875.5	875.5
37.5°	843.5	844.5	839.4	838.4	838.4	838.4	840.4	835.4	836.4	835.4
40°	802.4	803.4	800.4	797.4	798.4	796.4	799.4	794.4	794.4	794.4
42.5°	761.3	759.3	760.3	754.3	755.3	755.3	756.3	753.3	752.3	751.3
45°	719.2	717.2	716.2	713.2	713.2	712.2	712.2	708.2	708.2	708.2
47.5°	675.2	674.2	672.2	670.2	670.2	669.2	667.1	666.1	665.1	665.1
50°	633.1	630.1	627.1	628.1	627.1	626.1	624.1	623.1	622.1	621.1
52.5°	588.0	588.0	584.0	584.0	584.0	583.0	581.0	579.0	579.0	578.0
55°	543.9	542.9	539.9	538.9	539.9	538.9	536.9	534.9	534.9	533.9
57.5°	499.9	497.9	496.9	496.9	495.9	495.9	492.8	490.8	491.8	490.8
60°	454.8	454.8	453.8	452.8	452.8	451.8	448.8	448.8	448.8	447.8
62.5°	411.7	411.7	409.7	408.7	409.7	408.7	407.7	406.7	405.7	404.7
65°	366.6	367.6	365.6	366.6	366.6	364.6	364.6	363.6	363.6	362.6
67.5°	324.6	324.6	323.6	323.6	324.6	323.6	323.6	322.6	322.6	321.6
70°	281.5	283.5	282.5	282.5	282.5	281.5	281.5	281.5	280.5	281.5
72.5°	238.4	238.4	238.4	238.4	238.4	239.4	239.4	239.4	239.4	238.4
75°	198.3	199.3	198.3	199.3	200.3	200.3	200.3	200.3	201.3	200.3
77.5°	159.3	160.3	160.3	162.3	162.3	162.3	163.3	163.3	163.3	163.3
80°	122.2	123.2	124.2	126.2	126.2	128.2	129.2	129.2	129.2	129.2
82.5°	88.2	91.2	92.2	95.2	96.2	96.2	98.2	99.2	99.2	99.2
85°	61.1	64.1	66.1	68.1	70.1	70.1	72.1	72.1	73.1	73.1
87.5°	38.1	41.1	43.1	46.1	47.1	48.1	49.1	50.1	51.1	51.1
90°	21.0	23.0	25.0	27.0	27.0	28.0	29.1	30.1	31.1	31.1
92.5°	15.0	16.0	18.0	19.0	19.0	20.0	21.0	21.0	22.0	22.0
95°	17.0	18.0	18.0	19.0	19.0	19.0	20.0	20.0	20.0	20.0
97.5°	26.0	26.0	26.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
100°	34.1	35.1	35.1	35.1	36.1	36.1	36.1	36.1	35.1	35.1
102.5°	38.1	39.1	40.1	41.1	41.1	41.1	42.1	42.1	42.1	42.1
105°	43.1	43.1	44.1	45.1	45.1	45.1	46.1	46.1	46.1	46.1
107.5°	49.1	49.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
110°	56.1	56.1	56.1	55.1	56.1	55.1	55.1	55.1	55.1	55.1



TEST NUMBER: P395894

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	64.1	63.1	63.1	62.1	62.1	62.1	61.1	61.1	61.1	61.1
115°	77.1	72.1	70.1	68.1	68.1	68.1	67.1	67.1	67.1	67.1
117.5°	93.2	86.1	82.1	78.1	77.1	76.1	74.1	74.1	73.1	73.1
120°	110.2	103.2	97.2	92.2	90.2	89.2	86.1	84.1	82.1	82.1
122.5°	126.2	119.2	113.2	108.2	106.2	104.2	101.2	99.2	97.2	97.2
125°	142.2	135.2	129.2	124.2	121.2	119.2	116.2	114.2	112.2	112.2
127.5°	159.3	150.3	144.2	139.2	136.2	135.2	131.2	129.2	127.2	127.2
130°	178.3	167.3	159.3	153.3	151.3	149.3	146.3	144.2	142.2	142.2
132.5°	197.3	186.3	177.3	169.3	166.3	164.3	160.3	158.3	156.3	156.3
135°	215.4	205.4	196.3	188.3	185.3	182.3	178.3	174.3	172.3	172.3
137.5°	229.4	222.4	214.4	207.4	204.4	201.3	197.3	193.3	190.3	191.3
140°	241.4	235.4	230.4	225.4	222.4	220.4	216.4	213.4	210.4	210.4
142.5°	252.4	247.4	242.4	238.4	237.4	236.4	233.4	230.4	228.4	228.4
145°	262.5	259.4	255.4	250.4	249.4	248.4	245.4	243.4	242.4	242.4
147.5°	265.5	266.5	265.5	262.5	261.5	260.4	258.4	256.4	255.4	255.4
150°	263.5	267.5	269.5	269.5	269.5	269.5	269.5	267.5	266.5	266.5
152.5°	257.4	263.5	267.5	270.5	271.5	272.5	272.5	273.5	272.5	272.5
155°	250.4	256.4	262.5	265.5	267.5	268.5	270.5	271.5	272.5	271.5
157.5°	242.4	247.4	251.4	257.4	259.4	261.5	263.5	265.5	266.5	265.5
160°	235.4	239.4	242.4	246.4	247.4	249.4	251.4	252.4	254.4	253.4
162.5°	228.4	231.4	234.4	236.4	238.4	239.4	241.4	242.4	243.4	242.4
165°	223.4	225.4	226.4	228.4	229.4	230.4	231.4	232.4	232.4	232.4
167.5°	217.4	219.4	220.4	221.4	222.4	223.4	223.4	224.4	224.4	224.4
170°	212.4	213.4	214.4	215.4	215.4	216.4	216.4	216.4	217.4	216.4
172.5°	208.4	208.4	208.4	209.4	209.4	209.4	209.4	209.4	209.4	208.4
175°	206.4	206.4	205.4	205.4	205.4	205.4	205.4	204.4	203.4	202.3
177.5°	205.4	204.4	204.4	203.4	203.4	203.4	202.3	201.3	200.3	199.3
180°	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4

(END OF REPORT)