

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: P395895

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395895
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 (3500K)
Description: CORELITE I3, DOWNLIGHT TRAY
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4120.0 lumens
Efficiency: N/A
Efficacy: 81.1 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

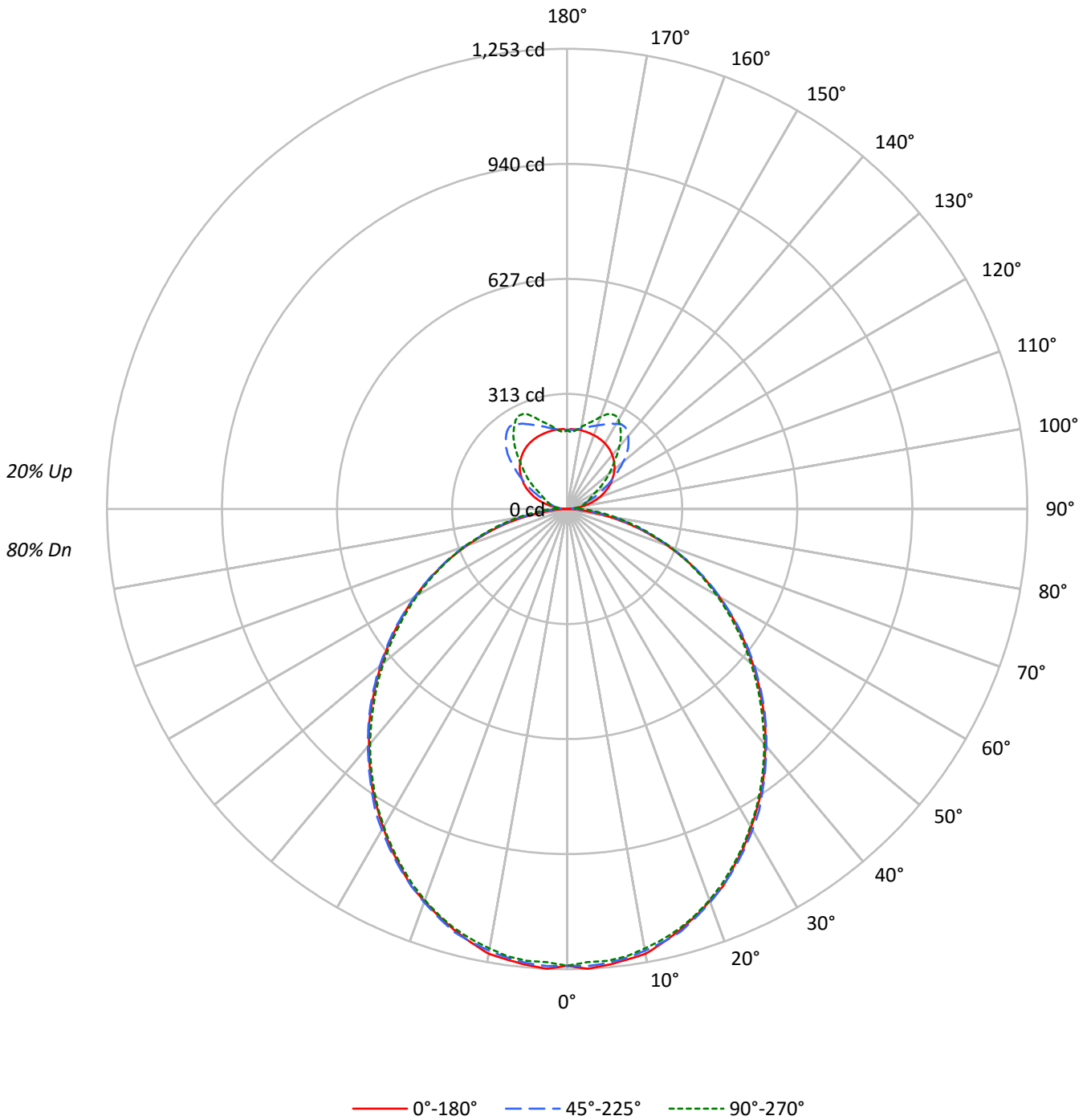
Input Watts (W): 50.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6835	6835	6835
5°	6854	6694	6622
10°	6813	6512	6406
15°	6677	6332	6178
20°	6545	6077	5911
25°	6388	5819	5616
30°	6204	5552	5314
35°	6033	5255	5003
40°	5817	4950	4678
45°	5609	4652	4336
50°	5386	4325	3992
55°	5151	3991	3641
60°	4891	3619	3278
65°	4590	3216	2889
70°	4163	2746	2480
75°	3586	2176	1991
80°	2736	1568	1486
85°	1430	937	1007



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CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	2.9
10°-20°	333.3	8.1
20°-30°	493.5	12.0
30°-40°	576.7	14.0
40°-50°	579.3	14.1
50°-60°	509.2	12.4
60°-70°	381.5	9.3
70°-80°	217.0	5.3
80°-90°	68.5	1.7
90°-100°	24.7	0.6
100°-110°	60.2	1.5
110°-120°	100.0	2.4
120°-130°	140.2	3.4
130°-140°	161.6	3.9
140°-150°	154.3	3.7
150°-160°	116.1	2.8
160°-170°	65.7	1.6
170°-180°	20.8	0.5
0°-30°	944.2	22.9
0°-40°	1521.0	36.9
0°-60°	2609.4	63.3
0°-90°	3276.4	79.5
90°-120°	184.8	4.5
90°-150°	641.1	15.6
90°-180°	844.0	20.5
0°-180°	4120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1244	1244	1244	1244	1244	
5°	1247	1234	1242	1237	1235	118
15°	1187	1176	1192	1184	1183	335
25°	1074	1071	1078	1074	1070	495
35°	926	918	929	922	920	578
45°	752	751	758	749	744	581
55°	570	572	574	567	561	510
65°	385	386	388	385	381	380
75°	196	199	204	210	210	207
85°	34	44	60	74	77	44
90°	1	6	19	28	33	3
95°	18	18	18	20	21	20
105°	70	60	45	47	48	74
115°	116	144	88	72	70	114
125°	153	210	159	127	118	136
135°	181	229	235	195	181	140
145°	200	227	274	262	255	125
155°	210	223	255	281	285	97
165°	216	219	232	241	244	61
175°	218	216	216	216	212	21
180°	215	215	215	215	215	



TEST NUMBER: P395895

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1253.1	1251.0	1245.7	1240.4	1239.4	1238.3	1238.3	1237.3	1237.3	1239.4	1245.7
5°	1246.8	1245.7	1240.4	1235.2	1234.1	1234.1	1233.1	1233.1	1233.1	1235.2	1241.5
7.5°	1238.3	1236.2	1231.0	1225.7	1224.7	1224.7	1224.7	1223.6	1224.7	1225.7	1233.1
10°	1229.9	1228.9	1223.6	1217.3	1215.2	1215.2	1214.1	1212.0	1212.0	1214.1	1221.5
12.5°	1208.9	1207.8	1202.6	1198.4	1198.4	1199.4	1199.4	1200.5	1200.5	1202.6	1207.8
15°	1186.8	1185.7	1180.5	1176.3	1176.3	1176.3	1175.2	1175.2	1176.3	1182.6	1192.1
17.5°	1162.6	1161.5	1157.3	1153.1	1153.1	1153.1	1152.1	1152.1	1153.1	1156.3	1165.7
20°	1136.3	1135.2	1131.0	1126.8	1126.8	1126.8	1125.8	1126.8	1126.8	1131.0	1139.4
22.5°	1111.0	1108.9	1103.7	1099.5	1097.4	1097.4	1097.4	1096.3	1098.4	1101.6	1110.0
25°	1074.2	1073.2	1071.1	1067.9	1070.0	1071.1	1069.0	1066.8	1066.8	1071.1	1078.4
27.5°	1040.5	1038.4	1035.3	1032.1	1030.0	1031.1	1032.1	1034.2	1037.4	1038.4	1044.8
30°	1001.6	1000.6	997.4	993.2	994.3	995.3	995.3	995.3	997.4	1006.9	1009.0
32.5°	963.7	962.7	959.5	955.3	956.4	957.4	956.4	957.4	959.5	963.7	973.2
35°	925.9	923.8	920.6	919.6	918.5	918.5	918.5	919.6	920.6	923.8	929.0
37.5°	882.7	880.6	878.5	875.4	877.5	879.6	880.6	879.6	880.6	884.8	886.9
40°	839.6	838.5	836.4	834.3	835.4	836.4	835.4	838.5	840.6	842.7	843.8
42.5°	798.6	796.5	794.4	793.3	793.3	794.4	794.4	796.5	796.5	801.7	800.7
45°	752.3	751.2	750.2	750.2	751.2	751.2	751.2	752.3	753.3	756.5	757.5
47.5°	707.0	706.0	706.0	706.0	706.0	707.0	708.1	711.2	709.1	710.2	711.2
50°	661.8	660.7	660.7	660.7	662.8	662.8	664.9	666.0	667.0	664.9	666.0
52.5°	615.5	614.4	616.5	616.5	618.6	618.6	621.8	618.6	620.8	619.7	619.7
55°	570.2	569.2	571.3	570.2	572.4	572.4	574.5	575.5	574.5	574.5	574.5
57.5°	524.0	522.9	524.0	525.0	526.1	526.1	529.2	529.2	526.1	528.2	527.1
60°	477.7	476.6	477.7	478.7	479.8	479.8	480.8	478.7	480.8	481.9	480.8
62.5°	431.4	430.3	432.4	431.4	432.4	433.5	433.5	436.6	435.6	435.6	434.5
65°	385.1	384.0	384.0	384.0	385.1	386.1	387.2	388.2	388.2	389.3	388.2
67.5°	337.7	336.7	337.7	336.7	337.7	338.8	340.9	341.9	341.9	343.0	341.9
70°	289.3	290.4	289.3	290.4	291.4	292.5	293.5	295.6	295.6	295.6	295.6
72.5°	242.0	240.9	240.9	239.9	242.0	243.0	244.1	247.2	247.2	248.3	248.3
75°	195.7	193.6	194.6	193.6	197.8	198.9	198.9	202.0	203.1	205.2	204.1
77.5°	150.5	150.5	148.3	151.5	152.6	154.7	156.8	158.9	159.9	163.1	163.1
80°	107.3	107.3	106.3	108.4	112.6	113.6	116.8	117.8	121.0	123.1	124.2
82.5°	68.4	68.4	68.4	71.5	74.7	75.8	78.9	82.1	84.2	87.3	88.4
85°	33.7	35.8	35.8	40.0	42.1	44.2	45.2	49.4	52.6	56.8	60.0
87.5°	10.5	11.6	12.6	14.7	18.9	20.0	22.1	26.3	29.5	33.7	36.8
90°	1.1	1.1	2.1	3.2	5.3	6.3	8.4	10.5	13.7	16.8	18.9
92.5°	7.4	7.4	8.4	8.4	8.4	8.4	8.4	9.5	10.5	12.6	13.7
95°	17.9	28.4	16.8	15.8	17.9	17.9	18.9	17.9	17.9	17.9	17.9
97.5°	29.5	52.6	34.7	24.2	23.1	24.2	24.2	26.3	27.4	28.4	28.4
100°	43.1	66.3	61.0	40.0	32.6	31.6	31.6	31.6	32.6	33.7	34.7
102.5°	56.8	75.8	87.3	62.1	46.3	42.1	40.0	38.9	37.9	38.9	38.9
105°	70.5	85.2	107.3	84.2	66.3	60.0	53.7	46.3	45.2	45.2	45.2
107.5°	83.1	94.7	122.0	109.4	86.3	80.0	72.6	61.0	53.7	52.6	51.6
110°	94.7	104.2	132.6	130.5	108.4	98.9	92.6	80.0	69.4	62.1	58.9



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CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.2	113.6	139.9	148.3	132.6	121.0	111.5	98.9	87.3	77.9	70.5
115°	115.7	123.1	146.2	163.1	153.6	144.1	133.6	117.8	106.3	96.8	88.4
117.5°	126.3	132.6	152.6	173.6	171.5	165.2	156.8	137.8	124.2	114.7	105.2
120°	135.7	142.0	158.9	181.0	187.3	182.0	176.8	159.9	143.1	132.6	124.2
122.5°	144.1	149.4	165.2	187.3	198.9	197.8	192.5	181.0	164.1	151.5	141.0
125°	152.6	157.8	171.5	191.5	207.3	210.4	208.3	198.9	186.2	171.5	158.9
127.5°	161.0	165.2	177.8	195.7	213.6	219.9	220.9	214.6	205.2	192.5	178.9
130°	168.3	172.5	183.1	198.9	217.8	225.2	229.4	228.3	220.9	212.5	198.9
132.5°	174.7	177.8	188.3	202.0	219.9	228.3	234.6	239.9	234.6	228.3	218.8
135°	181.0	184.1	192.5	205.2	220.9	229.4	237.8	246.2	247.2	242.0	234.6
137.5°	186.2	188.3	196.7	207.3	220.9	229.4	237.8	249.4	255.7	253.6	247.2
140°	191.5	193.6	199.9	210.4	222.0	229.4	236.7	250.4	258.8	262.0	258.8
142.5°	195.7	197.8	203.1	212.5	222.0	228.3	235.7	248.3	259.9	266.2	268.3
145°	199.9	201.0	206.2	213.6	222.0	227.3	233.6	246.2	257.8	267.2	273.6
147.5°	203.1	204.1	207.3	214.6	222.0	226.2	231.5	242.0	253.6	264.1	273.6
150°	206.2	206.2	209.4	214.6	222.0	225.2	229.4	238.8	248.3	258.8	267.2
152.5°	208.3	208.3	211.5	215.7	220.9	224.1	228.3	235.7	244.1	253.6	262.0
155°	210.4	210.4	212.5	215.7	220.9	223.0	226.2	232.5	239.9	247.2	254.6
157.5°	212.5	212.5	213.6	216.7	219.9	222.0	225.2	230.4	235.7	242.0	248.3
160°	213.6	213.6	214.6	216.7	218.8	220.9	223.0	227.3	232.5	236.7	242.0
162.5°	214.6	214.6	215.7	216.7	218.8	219.9	220.9	225.2	228.3	232.5	236.7
165°	215.7	215.7	215.7	216.7	217.8	218.8	219.9	222.0	225.2	228.3	231.5
167.5°	216.7	216.7	216.7	216.7	217.8	217.8	218.8	219.9	222.0	224.1	226.2
170°	217.8	216.7	216.7	217.8	216.7	216.7	217.8	218.8	218.8	220.9	222.0
172.5°	217.8	217.8	216.7	216.7	216.7	216.7	216.7	216.7	216.7	217.8	218.8
175°	217.8	217.8	216.7	216.7	216.7	215.7	215.7	215.7	215.7	215.7	215.7
177.5°	217.8	217.8	216.7	216.7	215.7	215.7	215.7	215.7	215.7	215.7	215.7
180°	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1252.0	1246.8	1244.7	1243.6	1242.6	1241.5	1239.4	1237.3	1235.2	1235.2
5°	1246.8	1241.5	1239.4	1238.3	1237.3	1236.2	1235.2	1235.2	1235.2	1235.2
7.5°	1238.3	1233.1	1231.0	1229.9	1229.9	1228.9	1228.9	1228.9	1227.8	1228.9
10°	1225.7	1220.5	1219.4	1218.4	1217.3	1215.2	1215.2	1215.2	1214.1	1215.2
12.5°	1209.9	1204.7	1203.6	1202.6	1201.5	1200.5	1200.5	1199.4	1199.4	1200.5
15°	1194.2	1186.8	1184.7	1184.7	1183.6	1182.6	1183.6	1182.6	1182.6	1182.6
17.5°	1171.0	1167.9	1164.7	1162.6	1161.5	1160.5	1160.5	1159.4	1159.4	1159.4
20°	1140.5	1140.5	1140.5	1135.2	1134.2	1133.1	1133.1	1133.1	1133.1	1133.1
22.5°	1111.0	1105.8	1110.0	1106.8	1104.7	1102.6	1103.7	1103.7	1103.7	1103.7
25°	1078.4	1074.2	1075.3	1076.3	1074.2	1071.1	1071.1	1071.1	1071.1	1070.0
27.5°	1043.7	1040.5	1039.5	1040.5	1042.7	1040.5	1037.4	1034.2	1035.3	1035.3
30°	1005.8	1004.8	1003.7	1001.6	1003.7	1004.8	999.5	998.5	998.5	998.5
32.5°	968.0	966.9	963.7	961.6	962.7	964.8	962.7	960.6	960.6	960.6
35°	930.1	925.9	922.7	921.7	921.7	923.8	922.7	919.6	919.6	919.6
37.5°	885.9	886.9	881.7	880.6	880.6	880.6	882.7	877.5	878.5	877.5
40°	842.7	843.8	840.6	837.5	838.5	836.4	839.6	834.3	834.3	834.3
42.5°	799.6	797.5	798.6	792.2	793.3	793.3	794.4	791.2	790.1	789.1
45°	755.4	753.3	752.3	749.1	749.1	748.1	748.1	743.8	743.8	743.8
47.5°	709.1	708.1	706.0	703.9	703.9	702.8	700.7	699.7	698.6	698.6
50°	664.9	661.8	658.6	659.7	658.6	657.6	655.5	654.4	653.4	652.3
52.5°	617.6	617.6	613.4	613.4	613.4	612.3	610.2	608.1	608.1	607.1
55°	571.3	570.2	567.1	566.0	567.1	566.0	563.9	561.8	561.8	560.8
57.5°	525.0	522.9	521.9	521.9	520.8	520.8	517.6	515.5	516.6	515.5
60°	477.7	477.7	476.6	475.6	475.6	474.5	471.3	471.3	471.3	470.3
62.5°	432.4	432.4	430.3	429.3	430.3	429.3	428.2	427.2	426.1	425.1
65°	385.1	386.1	384.0	385.1	385.1	383.0	383.0	381.9	381.9	380.9
67.5°	340.9	340.9	339.8	339.8	340.9	339.8	339.8	338.8	338.8	337.7
70°	295.6	297.7	296.7	296.7	296.7	295.6	295.6	295.6	294.6	295.6
72.5°	250.4	250.4	250.4	250.4	250.4	251.5	251.5	251.5	251.5	250.4
75°	208.3	209.4	208.3	209.4	210.4	210.4	210.4	210.4	211.5	210.4
77.5°	167.3	168.3	168.3	170.4	170.4	170.4	171.5	171.5	171.5	171.5
80°	128.4	129.4	130.5	132.6	132.6	134.7	135.7	135.7	135.7	135.7
82.5°	92.6	95.7	96.8	100.0	101.0	101.0	103.1	104.2	104.2	104.2
85°	64.2	67.3	69.4	71.5	73.6	73.6	75.8	75.8	76.8	76.8
87.5°	40.0	43.1	45.2	48.4	49.4	50.5	51.6	52.6	53.7	53.7
90°	22.1	24.2	26.3	28.4	28.4	29.5	30.5	31.6	32.6	32.6
92.5°	15.8	16.8	18.9	20.0	20.0	21.0	22.1	22.1	23.1	23.1
95°	17.9	18.9	18.9	20.0	20.0	20.0	21.0	21.0	21.0	21.0
97.5°	27.4	27.4	27.4	26.3	26.3	26.3	26.3	26.3	26.3	26.3
100°	35.8	36.8	36.8	36.8	37.9	37.9	37.9	37.9	36.8	36.8
102.5°	40.0	41.0	42.1	43.1	43.1	43.1	44.2	44.2	44.2	44.2
105°	45.2	45.2	46.3	47.3	47.3	47.3	48.4	48.4	48.4	48.4
107.5°	51.6	51.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
110°	58.9	58.9	58.9	57.9	58.9	57.9	57.9	57.9	57.9	57.9



TEST NUMBER: P395895

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	67.3	66.3	66.3	65.2	65.2	65.2	64.2	64.2	64.2	64.2
115°	81.0	75.8	73.6	71.5	71.5	71.5	70.5	70.5	70.5	70.5
117.5°	97.8	90.5	86.3	82.1	81.0	80.0	77.9	77.9	76.8	76.8
120°	115.7	108.4	102.1	96.8	94.7	93.6	90.5	88.4	86.3	86.3
122.5°	132.6	125.2	118.9	113.6	111.5	109.4	106.3	104.2	102.1	102.1
125°	149.4	142.0	135.7	130.5	127.3	125.2	122.0	119.9	117.8	117.8
127.5°	167.3	157.8	151.5	146.2	143.1	142.0	137.8	135.7	133.6	133.6
130°	187.3	175.7	167.3	161.0	158.9	156.8	153.6	151.5	149.4	149.4
132.5°	207.3	195.7	186.2	177.8	174.7	172.5	168.3	166.2	164.1	164.1
135°	226.2	215.7	206.2	197.8	194.6	191.5	187.3	183.1	181.0	181.0
137.5°	240.9	233.6	225.2	217.8	214.6	211.5	207.3	203.1	199.9	201.0
140°	253.6	247.2	242.0	236.7	233.6	231.5	227.3	224.1	220.9	220.9
142.5°	265.1	259.9	254.6	250.4	249.4	248.3	245.1	242.0	239.9	239.9
145°	275.7	272.5	268.3	263.0	262.0	260.9	257.8	255.7	254.6	254.6
147.5°	278.8	279.9	278.8	275.7	274.6	273.6	271.4	269.3	268.3	268.3
150°	276.7	280.9	283.0	283.0	283.0	283.0	283.0	280.9	279.9	279.9
152.5°	270.4	276.7	280.9	284.1	285.1	286.2	286.2	287.2	286.2	286.2
155°	263.0	269.3	275.7	278.8	280.9	282.0	284.1	285.1	286.2	285.1
157.5°	254.6	259.9	264.1	270.4	272.5	274.6	276.7	278.8	279.9	278.8
160°	247.2	251.5	254.6	258.8	259.9	262.0	264.1	265.1	267.2	266.2
162.5°	239.9	243.0	246.2	248.3	250.4	251.5	253.6	254.6	255.7	254.6
165°	234.6	236.7	237.8	239.9	240.9	242.0	243.0	244.1	244.1	244.1
167.5°	228.3	230.4	231.5	232.5	233.6	234.6	234.6	235.7	235.7	235.7
170°	223.0	224.1	225.2	226.2	226.2	227.3	227.3	227.3	228.3	227.3
172.5°	218.8	218.8	218.8	219.9	219.9	219.9	219.9	219.9	219.9	218.8
175°	216.7	216.7	215.7	215.7	215.7	215.7	215.7	214.6	213.6	212.5
177.5°	215.7	214.6	214.6	213.6	213.6	213.6	212.5	211.5	210.4	209.4
180°	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6

(END OF REPORT)