

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: P395893

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395893  
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 (2700K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3773.5 lumens  
Efficiency: N/A  
Efficacy: 74.6 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

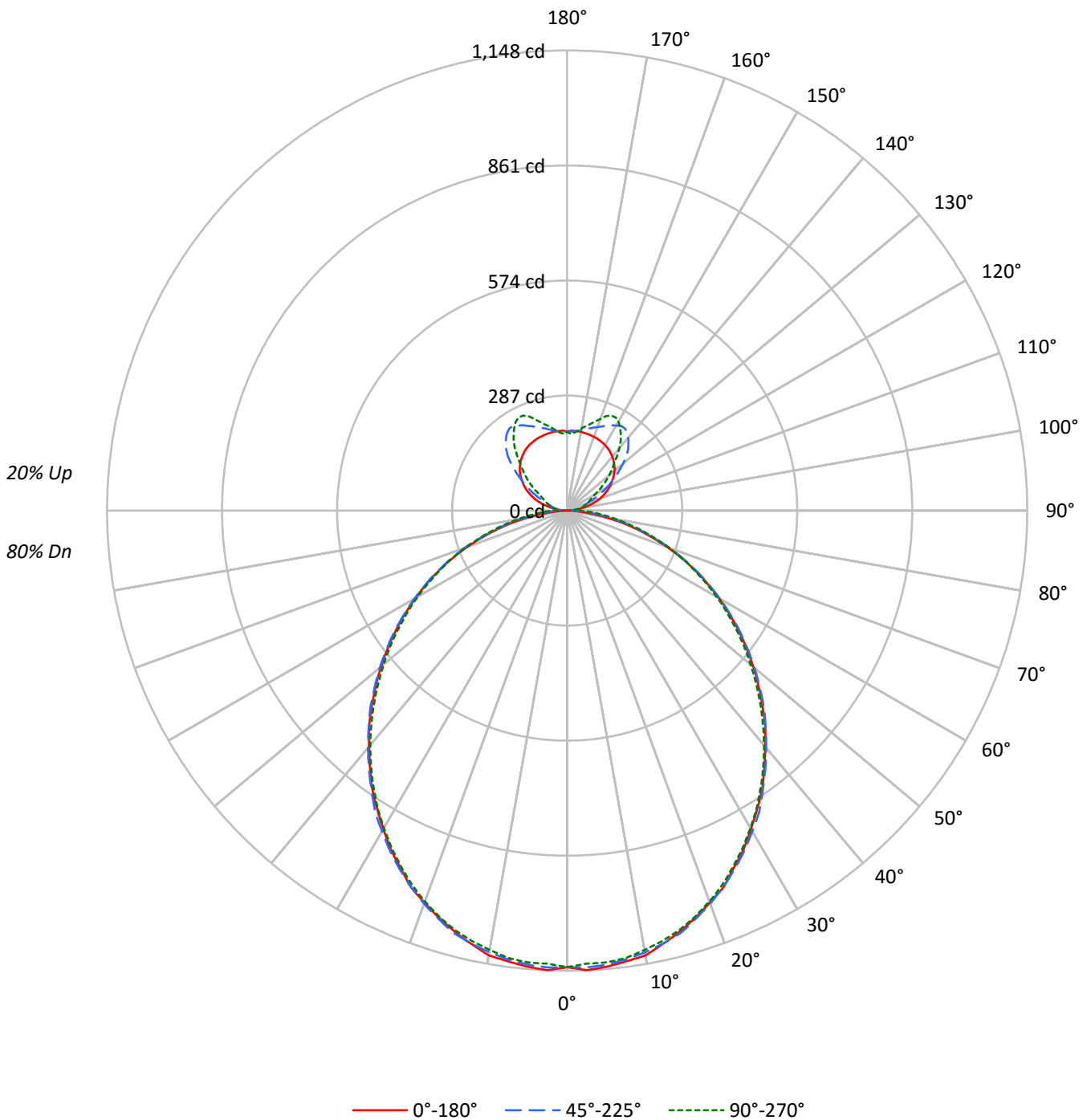
Input Watts (W): 50.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

**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°	6260	6260	6260
5°	6277	6131	6065
10°	6240	5965	5867
15°	6116	5800	5658
20°	5994	5566	5414
25°	5851	5330	5144
30°	5683	5085	4867
35°	5525	4814	4582
40°	5327	4534	4285
45°	5137	4261	3972
50°	4933	3961	3656
55°	4718	3654	3334
60°	4479	3315	3002
65°	4204	2946	2645
70°	3813	2515	2272
75°	3284	1993	1824
80°	2507	1435	1361
85°	1307	857	922



TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.6	2.9
10°-20°	305.2	8.1
20°-30°	451.9	12.0
30°-40°	528.2	14.0
40°-50°	530.6	14.1
50°-60°	466.3	12.4
60°-70°	349.4	9.3
70°-80°	198.7	5.3
80°-90°	62.7	1.7
90°-100°	22.6	0.6
100°-110°	55.1	1.5
110°-120°	91.6	2.4
120°-130°	128.4	3.4
130°-140°	148.1	3.9
140°-150°	141.4	3.7
150°-160°	106.3	2.8
160°-170°	60.2	1.6
170°-180°	19.1	0.5
0°-30°	864.8	22.9
0°-40°	1393.0	36.9
0°-60°	2390.0	63.3
0°-90°	3000.8	79.5
90°-120°	169.3	4.5
90°-150°	587.1	15.6
90°-180°	773.0	20.5
0°-180°	3773.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1139	1139	1139	1139	1139	
5°	1142	1130	1137	1133	1131	108
15°	1087	1077	1092	1084	1083	307
25°	984	981	988	984	980	453
35°	848	841	851	844	842	529
45°	689	688	694	686	681	532
55°	522	524	526	519	514	467
65°	353	354	356	353	349	348
75°	179	182	187	193	193	190
85°	31	40	55	68	70	40
90°	1	6	17	26	30	3
95°	16	16	16	18	19	18
105°	65	55	41	43	44	67
115°	106	132	81	66	65	105
125°	140	193	146	117	108	125
135°	166	210	215	178	166	128
145°	183	208	250	240	233	115
155°	193	204	233	257	261	89
165°	198	200	212	221	224	56
175°	200	198	198	198	195	19
180°	197	197	197	197	197	



TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0
2.5°	1147.7	1145.7	1140.9	1136.1	1135.1	1134.2	1134.2	1133.2	1133.2	1135.1	1140.9
5°	1141.9	1140.9	1136.1	1131.3	1130.3	1130.3	1129.4	1129.4	1129.4	1131.3	1137.1
7.5°	1134.2	1132.3	1127.4	1122.6	1121.7	1121.7	1121.7	1120.7	1121.7	1122.6	1129.4
10°	1126.5	1125.5	1120.7	1114.9	1113.0	1113.0	1112.0	1110.1	1110.1	1112.0	1118.8
12.5°	1107.2	1106.2	1101.4	1097.6	1097.6	1098.5	1098.5	1099.5	1099.5	1101.4	1106.2
15°	1087.0	1086.0	1081.2	1077.3	1077.3	1077.3	1076.4	1076.4	1077.3	1083.1	1091.8
17.5°	1064.8	1063.8	1060.0	1056.1	1056.1	1056.1	1055.2	1055.2	1056.1	1059.0	1067.7
20°	1040.7	1039.8	1035.9	1032.0	1032.0	1032.0	1031.1	1032.0	1032.0	1035.9	1043.6
22.5°	1017.6	1015.7	1010.8	1007.0	1005.1	1005.1	1005.1	1004.1	1006.0	1008.9	1016.6
25°	983.9	982.9	981.0	978.1	980.0	981.0	979.0	977.1	977.1	981.0	987.7
27.5°	953.0	951.1	948.2	945.3	943.4	944.4	945.3	947.2	950.1	951.1	956.9
30°	917.4	916.4	913.5	909.7	910.6	911.6	911.6	911.6	913.5	922.2	924.1
32.5°	882.7	881.7	878.8	875.0	875.9	876.9	875.9	876.9	878.8	882.7	891.4
35°	848.0	846.1	843.2	842.2	841.2	841.2	841.2	842.2	843.2	846.1	850.9
37.5°	808.5	806.6	804.6	801.7	803.7	805.6	806.6	805.6	806.6	810.4	812.3
40°	769.0	768.0	766.1	764.2	765.1	766.1	765.1	768.0	769.9	771.9	772.8
42.5°	731.4	729.5	727.5	726.6	726.6	727.5	727.5	729.5	729.5	734.3	733.3
45°	689.0	688.0	687.1	687.1	688.0	688.0	688.0	689.0	690.0	692.8	693.8
47.5°	647.6	646.6	646.6	646.6	646.6	647.6	648.5	651.4	649.5	650.4	651.4
50°	606.1	605.2	605.2	605.2	607.1	607.1	609.0	610.0	610.9	609.0	610.0
52.5°	563.7	562.8	564.7	564.7	566.6	566.6	569.5	566.6	568.5	567.6	567.6
55°	522.3	521.3	523.2	522.3	524.2	524.2	526.1	527.1	526.1	526.1	526.1
57.5°	479.9	478.9	479.9	480.8	481.8	481.8	484.7	484.7	481.8	483.7	482.8
60°	437.5	436.5	437.5	438.4	439.4	439.4	440.4	438.4	440.4	441.3	440.4
62.5°	395.1	394.1	396.0	395.1	396.0	397.0	397.0	399.9	398.9	398.9	398.0
65°	352.7	351.7	351.7	351.7	352.7	353.7	354.6	355.6	355.6	356.5	355.6
67.5°	309.3	308.4	309.3	308.4	309.3	310.3	312.2	313.2	313.2	314.1	313.2
70°	265.0	266.0	265.0	266.0	266.9	267.9	268.9	270.8	270.8	270.8	270.8
72.5°	221.6	220.7	220.7	219.7	221.6	222.6	223.6	226.5	226.5	227.4	227.4
75°	179.2	177.3	178.3	177.3	181.2	182.1	182.1	185.0	186.0	187.9	186.9
77.5°	137.8	137.8	135.9	138.8	139.7	141.7	143.6	145.5	146.5	149.4	149.4
80°	98.3	98.3	97.3	99.3	103.1	104.1	107.0	107.9	110.8	112.7	113.7
82.5°	62.6	62.6	62.6	65.5	68.4	69.4	72.3	75.2	77.1	80.0	80.9
85°	30.8	32.8	32.8	36.6	38.5	40.5	41.4	45.3	48.2	52.0	54.9
87.5°	9.6	10.6	11.6	13.5	17.3	18.3	20.2	24.1	27.0	30.8	33.7
90°	1.0	1.0	1.9	2.9	4.8	5.8	7.7	9.6	12.5	15.4	17.3
92.5°	6.7	6.7	7.7	7.7	7.7	7.7	7.7	8.7	9.6	11.6	12.5
95°	16.4	26.0	15.4	14.5	16.4	16.4	17.3	16.4	16.4	16.4	16.4
97.5°	27.0	48.2	31.8	22.2	21.2	22.2	22.2	24.1	25.1	26.0	26.0
100°	39.5	60.7	55.9	36.6	29.9	28.9	28.9	28.9	29.9	30.8	31.8
102.5°	52.0	69.4	80.0	56.9	42.4	38.5	36.6	35.7	34.7	35.7	35.7
105°	64.6	78.1	98.3	77.1	60.7	54.9	49.1	42.4	41.4	41.4	41.4
107.5°	76.1	86.7	111.8	100.2	79.0	73.2	66.5	55.9	49.1	48.2	47.2
110°	86.7	95.4	121.4	119.5	99.3	90.6	84.8	73.2	63.6	56.9	54.0



TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	96.4	104.1	128.2	135.9	121.4	110.8	102.1	90.6	80.0	71.3	64.6
115°	106.0	112.7	133.9	149.4	140.7	132.0	122.4	107.9	97.3	88.7	80.9
117.5°	115.6	121.4	139.7	159.0	157.1	151.3	143.6	126.2	113.7	105.0	96.4
120°	124.3	130.1	145.5	165.7	171.5	166.7	161.9	146.5	131.1	121.4	113.7
122.5°	132.0	136.8	151.3	171.5	182.1	181.2	176.3	165.7	150.3	138.8	129.1
125°	139.7	144.5	157.1	175.4	189.8	192.7	190.8	182.1	170.6	157.1	145.5
127.5°	147.4	151.3	162.9	179.2	195.6	201.4	202.4	196.6	187.9	176.3	163.8
130°	154.2	158.0	167.7	182.1	199.5	206.2	210.1	209.1	202.4	194.7	182.1
132.5°	160.0	162.9	172.5	185.0	201.4	209.1	214.9	219.7	214.9	209.1	200.4
135°	165.7	168.6	176.3	187.9	202.4	210.1	217.8	225.5	226.5	221.6	214.9
137.5°	170.6	172.5	180.2	189.8	202.4	210.1	217.8	228.4	234.2	232.2	226.5
140°	175.4	177.3	183.1	192.7	203.3	210.1	216.8	229.3	237.1	239.9	237.1
142.5°	179.2	181.2	186.0	194.7	203.3	209.1	215.9	227.4	238.0	243.8	245.7
145°	183.1	184.1	188.9	195.6	203.3	208.1	213.9	225.5	236.1	244.8	250.5
147.5°	186.0	186.9	189.8	196.6	203.3	207.2	212.0	221.6	232.2	241.9	250.5
150°	188.9	188.9	191.8	196.6	203.3	206.2	210.1	218.7	227.4	237.1	244.8
152.5°	190.8	190.8	193.7	197.5	202.4	205.3	209.1	215.9	223.6	232.2	239.9
155°	192.7	192.7	194.7	197.5	202.4	204.3	207.2	213.0	219.7	226.5	233.2
157.5°	194.7	194.7	195.6	198.5	201.4	203.3	206.2	211.0	215.9	221.6	227.4
160°	195.6	195.6	196.6	198.5	200.4	202.4	204.3	208.1	213.0	216.8	221.6
162.5°	196.6	196.6	197.5	198.5	200.4	201.4	202.4	206.2	209.1	213.0	216.8
165°	197.5	197.5	197.5	198.5	199.5	200.4	201.4	203.3	206.2	209.1	212.0
167.5°	198.5	198.5	198.5	198.5	199.5	199.5	200.4	201.4	203.3	205.3	207.2
170°	199.5	198.5	198.5	199.5	198.5	198.5	199.5	200.4	200.4	202.4	203.3
172.5°	199.5	199.5	198.5	198.5	198.5	198.5	198.5	198.5	198.5	199.5	200.4
175°	199.5	199.5	198.5	198.5	198.5	197.5	197.5	197.5	197.5	197.5	197.5
177.5°	199.5	199.5	198.5	198.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5
180°	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6



TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0	1139.0
2.5°	1146.7	1141.9	1140.0	1139.0	1138.0	1137.1	1135.1	1133.2	1131.3	1131.3
5°	1141.9	1137.1	1135.1	1134.2	1133.2	1132.3	1131.3	1131.3	1131.3	1131.3
7.5°	1134.2	1129.4	1127.4	1126.5	1126.5	1125.5	1125.5	1125.5	1124.5	1125.5
10°	1122.6	1117.8	1116.8	1115.9	1114.9	1113.0	1113.0	1113.0	1112.0	1113.0
12.5°	1108.2	1103.3	1102.4	1101.4	1100.5	1099.5	1099.5	1098.5	1098.5	1099.5
15°	1093.7	1087.0	1085.0	1085.0	1084.1	1083.1	1084.1	1083.1	1083.1	1083.1
17.5°	1072.5	1069.6	1066.7	1064.8	1063.8	1062.9	1062.9	1061.9	1061.9	1061.9
20°	1044.6	1044.6	1044.6	1039.8	1038.8	1037.8	1037.8	1037.8	1037.8	1037.8
22.5°	1017.6	1012.8	1016.6	1013.7	1011.8	1009.9	1010.8	1010.8	1010.8	1010.8
25°	987.7	983.9	984.8	985.8	983.9	981.0	981.0	981.0	981.0	980.0
27.5°	955.9	953.0	952.1	953.0	955.0	953.0	950.1	947.2	948.2	948.2
30°	921.2	920.3	919.3	917.4	919.3	920.3	915.4	914.5	914.5	914.5
32.5°	886.5	885.6	882.7	880.8	881.7	883.6	881.7	879.8	879.8	879.8
35°	851.8	848.0	845.1	844.1	844.1	846.1	845.1	842.2	842.2	842.2
37.5°	811.4	812.3	807.5	806.6	806.6	806.6	808.5	803.7	804.6	803.7
40°	771.9	772.8	769.9	767.0	768.0	766.1	769.0	764.2	764.2	764.2
42.5°	732.4	730.4	731.4	725.6	726.6	726.6	727.5	724.6	723.7	722.7
45°	691.9	690.0	689.0	686.1	686.1	685.1	685.1	681.3	681.3	681.3
47.5°	649.5	648.5	646.6	644.7	644.7	643.7	641.8	640.8	639.8	639.8
50°	609.0	606.1	603.2	604.2	603.2	602.3	600.3	599.4	598.4	597.4
52.5°	565.6	565.6	561.8	561.8	561.8	560.8	558.9	557.0	557.0	556.0
55°	523.2	522.3	519.4	518.4	519.4	518.4	516.5	514.6	514.6	513.6
57.5°	480.8	478.9	478.0	478.0	477.0	477.0	474.1	472.2	473.1	472.2
60°	437.5	437.5	436.5	435.6	435.6	434.6	431.7	431.7	431.7	430.7
62.5°	396.0	396.0	394.1	393.2	394.1	393.2	392.2	391.2	390.3	389.3
65°	352.7	353.7	351.7	352.7	352.7	350.8	350.8	349.8	349.8	348.8
67.5°	312.2	312.2	311.3	311.3	312.2	311.3	311.3	310.3	310.3	309.3
70°	270.8	272.7	271.7	271.7	271.7	270.8	270.8	270.8	269.8	270.8
72.5°	229.3	229.3	229.3	229.3	229.3	230.3	230.3	230.3	230.3	229.3
75°	190.8	191.8	190.8	191.8	192.7	192.7	192.7	192.7	193.7	192.7
77.5°	153.2	154.2	154.2	156.1	156.1	156.1	157.1	157.1	157.1	157.1
80°	117.6	118.5	119.5	121.4	121.4	123.3	124.3	124.3	124.3	124.3
82.5°	84.8	87.7	88.7	91.5	92.5	92.5	94.4	95.4	95.4	95.4
85°	58.8	61.7	63.6	65.5	67.5	67.5	69.4	69.4	70.3	70.3
87.5°	36.6	39.5	41.4	44.3	45.3	46.3	47.2	48.2	49.1	49.1
90°	20.2	22.2	24.1	26.0	26.0	27.0	27.9	28.9	29.9	29.9
92.5°	14.5	15.4	17.3	18.3	18.3	19.3	20.2	20.2	21.2	21.2
95°	16.4	17.3	17.3	18.3	18.3	18.3	19.3	19.3	19.3	19.3
97.5°	25.1	25.1	25.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
100°	32.8	33.7	33.7	33.7	34.7	34.7	34.7	34.7	33.7	33.7
102.5°	36.6	37.6	38.5	39.5	39.5	39.5	40.5	40.5	40.5	40.5
105°	41.4	41.4	42.4	43.4	43.4	43.4	44.3	44.3	44.3	44.3
107.5°	47.2	47.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
110°	54.0	54.0	54.0	53.0	54.0	53.0	53.0	53.0	53.0	53.0





TEST NUMBER: P395893

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	61.7	60.7	60.7	59.7	59.7	59.7	58.8	58.8	58.8	58.8
115°	74.2	69.4	67.5	65.5	65.5	65.5	64.6	64.6	64.6	64.6
117.5°	89.6	82.9	79.0	75.2	74.2	73.2	71.3	71.3	70.3	70.3
120°	106.0	99.3	93.5	88.7	86.7	85.8	82.9	80.9	79.0	79.0
122.5°	121.4	114.7	108.9	104.1	102.1	100.2	97.3	95.4	93.5	93.5
125°	136.8	130.1	124.3	119.5	116.6	114.7	111.8	109.9	107.9	107.9
127.5°	153.2	144.5	138.8	133.9	131.1	130.1	126.2	124.3	122.4	122.4
130°	171.5	160.9	153.2	147.4	145.5	143.6	140.7	138.8	136.8	136.8
132.5°	189.8	179.2	170.6	162.9	160.0	158.0	154.2	152.3	150.3	150.3
135°	207.2	197.5	188.9	181.2	178.3	175.4	171.5	167.7	165.7	165.7
137.5°	220.7	213.9	206.2	199.5	196.6	193.7	189.8	186.0	183.1	184.1
140°	232.2	226.5	221.6	216.8	213.9	212.0	208.1	205.3	202.4	202.4
142.5°	242.8	238.0	233.2	229.3	228.4	227.4	224.5	221.6	219.7	219.7
145°	252.5	249.6	245.7	240.9	239.9	239.0	236.1	234.2	233.2	233.2
147.5°	255.4	256.3	255.4	252.5	251.5	250.5	248.6	246.7	245.7	245.7
150°	253.4	257.3	259.2	259.2	259.2	259.2	259.2	257.3	256.3	256.3
152.5°	247.7	253.4	257.3	260.2	261.1	262.1	262.1	263.1	262.1	262.1
155°	240.9	246.7	252.5	255.4	257.3	258.3	260.2	261.1	262.1	261.1
157.5°	233.2	238.0	241.9	247.7	249.6	251.5	253.4	255.4	256.3	255.4
160°	226.5	230.3	233.2	237.1	238.0	239.9	241.9	242.8	244.8	243.8
162.5°	219.7	222.6	225.5	227.4	229.3	230.3	232.2	233.2	234.2	233.2
165°	214.9	216.8	217.8	219.7	220.7	221.6	222.6	223.6	223.6	223.6
167.5°	209.1	211.0	212.0	213.0	213.9	214.9	214.9	215.9	215.9	215.9
170°	204.3	205.3	206.2	207.2	207.2	208.1	208.1	208.1	209.1	208.1
172.5°	200.4	200.4	200.4	201.4	201.4	201.4	201.4	201.4	201.4	200.4
175°	198.5	198.5	197.5	197.5	197.5	197.5	197.5	196.6	195.6	194.7
177.5°	197.5	196.6	196.6	195.6	195.6	195.6	194.7	193.7	192.7	191.8
180°	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6	196.6

(END OF REPORT)