

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: P395896

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395896  
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 (4000K)  
Description: CORELITE I3, DOWNLIGHT TRAY  
5000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4250.0 lumens  
Efficiency: N/A  
Efficacy: 82.8 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

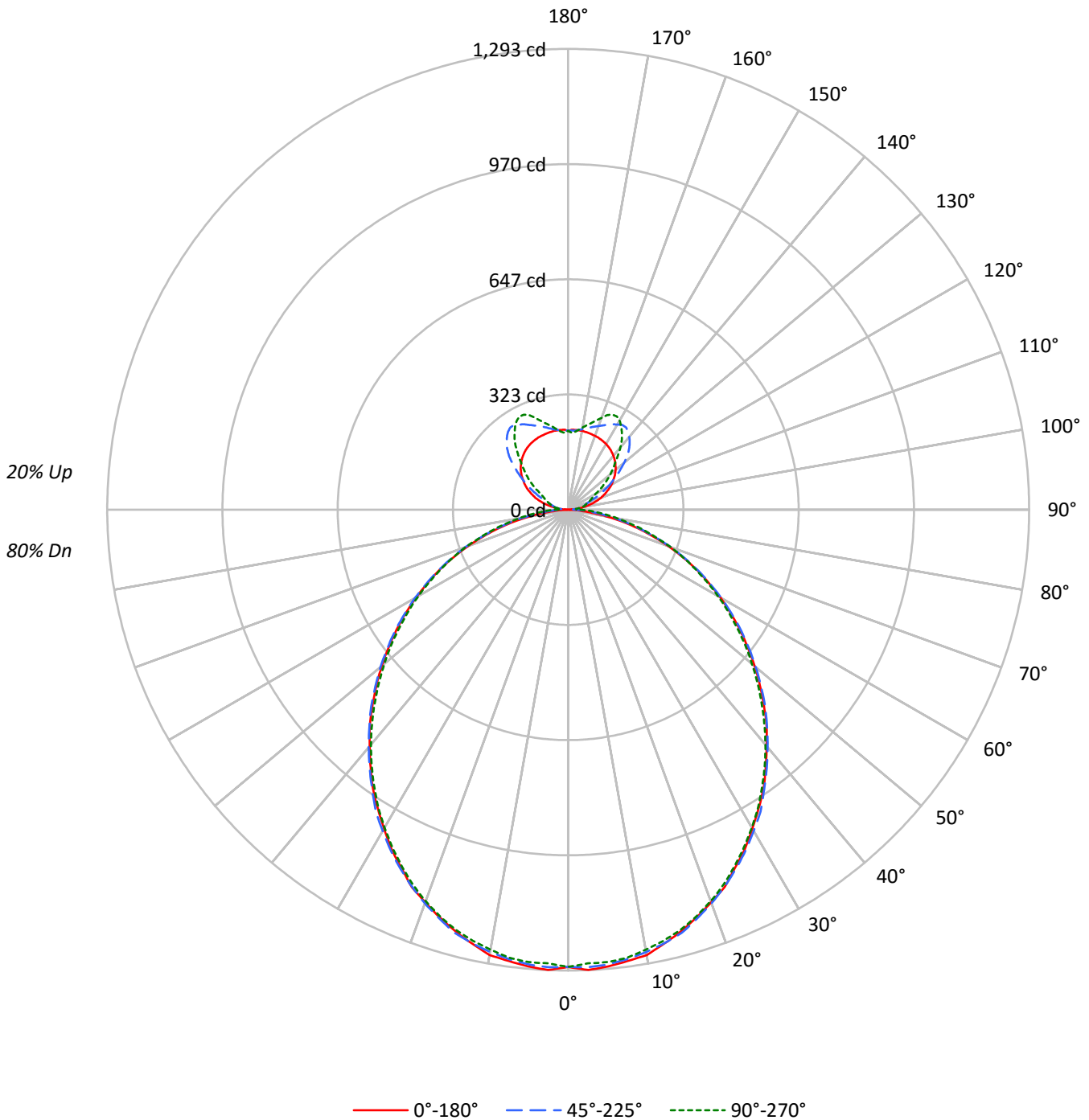
Input Watts (W): 51.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	7051	7051	7051
5°	7070	6906	6831
10°	7028	6718	6608
15°	6888	6532	6373
20°	6751	6269	6097
25°	6590	6002	5794
30°	6400	5727	5482
35°	6223	5421	5161
40°	6000	5106	4825
45°	5786	4799	4473
50°	5556	4461	4118
55°	5314	4116	3756
60°	5044	3734	3381
65°	4734	3318	2980
70°	4295	2833	2558
75°	3700	2244	2055
80°	2823	1617	1533
85°	1472	967	1038



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CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.2	2.9
10°-20°	343.8	8.1
20°-30°	509.0	12.0
30°-40°	594.9	14.0
40°-50°	597.6	14.1
50°-60°	525.2	12.4
60°-70°	393.5	9.3
70°-80°	223.8	5.3
80°-90°	70.7	1.7
90°-100°	25.5	0.6
100°-110°	62.1	1.5
110°-120°	103.1	2.4
120°-130°	144.7	3.4
130°-140°	166.7	3.9
140°-150°	159.2	3.7
150°-160°	119.7	2.8
160°-170°	67.8	1.6
170°-180°	21.5	0.5
0°-30°	974.0	22.9
0°-40°	1568.9	36.9
0°-60°	2691.7	63.3
0°-90°	3379.7	79.5
90°-120°	190.7	4.5
90°-150°	661.3	15.6
90°-180°	870.0	20.5
0°-180°	4250.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1286	1273	1281	1276	1274	122
15°	1224	1213	1230	1221	1220	345
25°	1108	1105	1112	1108	1104	511
35°	955	948	958	951	949	596
45°	776	775	781	773	767	599
55°	588	590	593	585	578	526
65°	397	398	400	397	393	392
75°	202	205	210	217	217	214
85°	35	46	62	76	79	45
90°	1	6	20	29	34	3
95°	18	18	18	21	22	20
105°	73	62	47	49	50	76
115°	119	149	91	74	73	118
125°	157	217	164	131	122	141
135°	187	237	242	201	187	144
145°	206	234	282	270	263	129
155°	217	230	263	290	294	100
165°	222	226	239	248	252	63
175°	225	222	222	222	219	21
180°	221	221	221	221	221	



TEST NUMBER: P395896

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
2.5°	1292.6	1290.4	1285.0	1279.6	1278.5	1277.4	1277.4	1276.3	1276.3	1278.5	1285.0
5°	1286.1	1285.0	1279.6	1274.1	1273.1	1273.1	1272.0	1272.0	1272.0	1274.1	1280.7
7.5°	1277.4	1275.2	1269.8	1264.4	1263.3	1263.3	1263.3	1262.2	1263.3	1264.4	1272.0
10°	1268.7	1267.6	1262.2	1255.7	1253.5	1253.5	1252.4	1250.3	1250.3	1252.4	1260.0
12.5°	1247.0	1245.9	1240.5	1236.2	1236.2	1237.2	1237.2	1238.3	1238.3	1240.5	1245.9
15°	1224.2	1223.1	1217.7	1213.4	1213.4	1213.4	1212.3	1212.3	1213.4	1219.9	1229.7
17.5°	1199.3	1198.2	1193.8	1189.5	1189.5	1189.5	1188.4	1188.4	1189.5	1192.8	1202.5
20°	1172.1	1171.0	1166.7	1162.4	1162.4	1162.4	1161.3	1162.4	1162.4	1166.7	1175.4
22.5°	1146.1	1143.9	1138.5	1134.1	1132.0	1132.0	1132.0	1130.9	1133.1	1136.3	1145.0
25°	1108.1	1107.0	1104.8	1101.6	1103.8	1104.8	1102.7	1100.5	1100.5	1104.8	1112.4
27.5°	1073.4	1071.2	1067.9	1064.7	1062.5	1063.6	1064.7	1066.9	1070.1	1071.2	1077.7
30°	1033.2	1032.1	1028.9	1024.5	1025.6	1026.7	1026.7	1026.7	1028.9	1038.6	1040.8
32.5°	994.1	993.1	989.8	985.5	986.5	987.6	986.5	987.6	989.8	994.1	1003.9
35°	955.1	952.9	949.6	948.6	947.5	947.5	947.5	948.6	949.6	952.9	958.3
37.5°	910.6	908.4	906.2	903.0	905.1	907.3	908.4	907.3	908.4	912.7	914.9
40°	866.1	865.0	862.8	860.6	861.7	862.8	861.7	865.0	867.2	869.3	870.4
42.5°	823.7	821.6	819.4	818.3	818.3	819.4	819.4	821.6	821.6	827.0	825.9
45°	776.0	774.9	773.8	773.8	774.9	774.9	774.9	776.0	777.1	780.3	781.4
47.5°	729.3	728.2	728.2	728.2	728.2	729.3	730.4	733.7	731.5	732.6	733.7
50°	682.7	681.6	681.6	681.6	683.7	683.7	685.9	687.0	688.1	685.9	687.0
52.5°	634.9	633.8	636.0	636.0	638.2	638.2	641.4	638.2	640.3	639.2	639.2
55°	588.2	587.2	589.3	588.2	590.4	590.4	592.6	593.7	592.6	592.6	592.6
57.5°	540.5	539.4	540.5	541.6	542.7	542.7	545.9	545.9	542.7	544.8	543.7
60°	492.7	491.6	492.7	493.8	494.9	494.9	496.0	493.8	496.0	497.1	496.0
62.5°	445.0	443.9	446.1	445.0	446.1	447.1	447.1	450.4	449.3	449.3	448.2
65°	397.2	396.1	396.1	396.1	397.2	398.3	399.4	400.5	400.5	401.6	400.5
67.5°	348.4	347.3	348.4	347.3	348.4	349.5	351.6	352.7	352.7	353.8	352.7
70°	298.5	299.5	298.5	299.5	300.6	301.7	302.8	305.0	305.0	305.0	305.0
72.5°	249.6	248.5	248.5	247.4	249.6	250.7	251.8	255.0	255.0	256.1	256.1
75°	201.9	199.7	200.8	199.7	204.0	205.1	205.1	208.4	209.5	211.6	210.5
77.5°	155.2	155.2	153.0	156.3	157.4	159.5	161.7	163.9	165.0	168.2	168.2
80°	110.7	110.7	109.6	111.8	116.1	117.2	120.5	121.6	124.8	127.0	128.1
82.5°	70.5	70.5	70.5	73.8	77.1	78.1	81.4	84.7	86.8	90.1	91.2
85°	34.7	36.9	36.9	41.2	43.4	45.6	46.7	51.0	54.3	58.6	61.9
87.5°	10.9	11.9	13.0	15.2	19.5	20.6	22.8	27.1	30.4	34.7	38.0
90°	1.1	1.1	2.2	3.3	5.4	6.5	8.7	10.9	14.1	17.4	19.5
92.5°	7.6	7.6	8.7	8.7	8.7	8.7	8.7	9.8	10.9	13.0	14.1
95°	18.5	29.3	17.4	16.3	18.5	18.5	19.5	18.5	18.5	18.5	18.5
97.5°	30.4	54.3	35.8	25.0	23.9	25.0	25.0	27.1	28.2	29.3	29.3
100°	44.5	68.4	62.9	41.2	33.6	32.6	32.6	32.6	33.6	34.7	35.8
102.5°	58.6	78.1	90.1	64.0	47.8	43.4	41.2	40.2	39.1	40.2	40.2
105°	72.7	87.9	110.7	86.8	68.4	61.9	55.4	47.8	46.7	46.7	46.7
107.5°	85.7	97.7	125.9	112.9	89.0	82.5	74.9	62.9	55.4	54.3	53.2
110°	97.7	107.4	136.7	134.6	111.8	102.0	95.5	82.5	71.6	64.0	60.8



TEST NUMBER: P395896

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	108.5	117.2	144.3	153.0	136.7	124.8	115.0	102.0	90.1	80.3	72.7
115°	119.4	127.0	150.9	168.2	158.5	148.7	137.8	121.6	109.6	99.8	91.2
117.5°	130.2	136.7	157.4	179.1	176.9	170.4	161.7	142.2	128.1	118.3	108.5
120°	140.0	146.5	163.9	186.7	193.2	187.8	182.3	165.0	147.6	136.7	128.1
122.5°	148.7	154.1	170.4	193.2	205.1	204.0	198.6	186.7	169.3	156.3	145.4
125°	157.4	162.8	176.9	197.5	213.8	217.1	214.9	205.1	192.1	176.9	163.9
127.5°	166.1	170.4	183.4	201.9	220.3	226.8	227.9	221.4	211.6	198.6	184.5
130°	173.6	178.0	188.8	205.1	224.7	232.3	236.6	235.5	227.9	219.2	205.1
132.5°	180.2	183.4	194.3	208.4	226.8	235.5	242.0	247.4	242.0	235.5	225.7
135°	186.7	189.9	198.6	211.6	227.9	236.6	245.3	254.0	255.0	249.6	242.0
137.5°	192.1	194.3	203.0	213.8	227.9	236.6	245.3	257.2	263.7	261.6	255.0
140°	197.5	199.7	206.2	217.1	229.0	236.6	244.2	258.3	267.0	270.2	267.0
142.5°	201.9	204.0	209.5	219.2	229.0	235.5	243.1	256.1	268.1	274.6	276.8
145°	206.2	207.3	212.7	220.3	229.0	234.4	240.9	254.0	265.9	275.7	282.2
147.5°	209.5	210.5	213.8	221.4	229.0	233.3	238.8	249.6	261.6	272.4	282.2
150°	212.7	212.7	216.0	221.4	229.0	232.3	236.6	246.4	256.1	267.0	275.7
152.5°	214.9	214.9	218.1	222.5	227.9	231.2	235.5	243.1	251.8	261.6	270.2
155°	217.1	217.1	219.2	222.5	227.9	230.1	233.3	239.9	247.4	255.0	262.6
157.5°	219.2	219.2	220.3	223.6	226.8	229.0	232.3	237.7	243.1	249.6	256.1
160°	220.3	220.3	221.4	223.6	225.7	227.9	230.1	234.4	239.9	244.2	249.6
162.5°	221.4	221.4	222.5	223.6	225.7	226.8	227.9	232.3	235.5	239.9	244.2
165°	222.5	222.5	222.5	223.6	224.7	225.7	226.8	229.0	232.3	235.5	238.8
167.5°	223.6	223.6	223.6	223.6	224.7	224.7	225.7	226.8	229.0	231.2	233.3
170°	224.7	223.6	223.6	224.7	223.6	223.6	224.7	225.7	225.7	227.9	229.0
172.5°	224.7	224.7	223.6	223.6	223.6	223.6	223.6	223.6	223.6	224.7	225.7
175°	224.7	224.7	223.6	223.6	223.6	222.5	222.5	222.5	222.5	222.5	222.5
177.5°	224.7	224.7	223.6	223.6	222.5	222.5	222.5	222.5	222.5	222.5	222.5
180°	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8	1282.8
2.5°	1291.5	1286.1	1283.9	1282.8	1281.7	1280.7	1278.5	1276.3	1274.1	1274.1
5°	1286.1	1280.7	1278.5	1277.4	1276.3	1275.2	1274.1	1274.1	1274.1	1274.1
7.5°	1277.4	1272.0	1269.8	1268.7	1268.7	1267.6	1267.6	1267.6	1266.6	1267.6
10°	1264.4	1259.0	1257.9	1256.8	1255.7	1253.5	1253.5	1253.5	1252.4	1253.5
12.5°	1248.1	1242.7	1241.6	1240.5	1239.4	1238.3	1238.3	1237.2	1237.2	1238.3
15°	1231.8	1224.2	1222.1	1222.1	1221.0	1219.9	1221.0	1219.9	1219.9	1219.9
17.5°	1207.9	1204.7	1201.4	1199.3	1198.2	1197.1	1197.1	1196.0	1196.0	1196.0
20°	1176.5	1176.5	1176.5	1171.0	1170.0	1168.9	1168.9	1168.9	1168.9	1168.9
22.5°	1146.1	1140.7	1145.0	1141.7	1139.6	1137.4	1138.5	1138.5	1138.5	1138.5
25°	1112.4	1108.1	1109.2	1110.3	1108.1	1104.8	1104.8	1104.8	1104.8	1103.8
27.5°	1076.6	1073.4	1072.3	1073.4	1075.5	1073.4	1070.1	1066.9	1067.9	1067.9
30°	1037.6	1036.5	1035.4	1033.2	1035.4	1036.5	1031.0	1030.0	1030.0	1030.0
32.5°	998.5	997.4	994.1	992.0	993.1	995.2	993.1	990.9	990.9	990.9
35°	959.4	955.1	951.8	950.7	950.7	952.9	951.8	948.6	948.6	948.6
37.5°	913.8	914.9	909.5	908.4	908.4	908.4	910.6	905.1	906.2	905.1
40°	869.3	870.4	867.2	863.9	865.0	862.8	866.1	860.6	860.6	860.6
42.5°	824.8	822.7	823.7	817.2	818.3	818.3	819.4	816.2	815.1	814.0
45°	779.2	777.1	776.0	772.7	772.7	771.7	771.7	767.3	767.3	767.3
47.5°	731.5	730.4	728.2	726.1	726.1	725.0	722.8	721.7	720.6	720.6
50°	685.9	682.7	679.4	680.5	679.4	678.3	676.1	675.1	674.0	672.9
52.5°	637.1	637.1	632.7	632.7	632.7	631.6	629.5	627.3	627.3	626.2
55°	589.3	588.2	585.0	583.9	585.0	583.9	581.7	579.6	579.6	578.5
57.5°	541.6	539.4	538.3	538.3	537.2	537.2	534.0	531.8	532.9	531.8
60°	492.7	492.7	491.6	490.6	490.6	489.5	486.2	486.2	486.2	485.1
62.5°	446.1	446.1	443.9	442.8	443.9	442.8	441.7	440.6	439.5	438.5
65°	397.2	398.3	396.1	397.2	397.2	395.1	395.1	394.0	394.0	392.9
67.5°	351.6	351.6	350.6	350.6	351.6	350.6	350.6	349.5	349.5	348.4
70°	305.0	307.1	306.1	306.1	306.1	305.0	305.0	305.0	303.9	305.0
72.5°	258.3	258.3	258.3	258.3	258.3	259.4	259.4	259.4	259.4	258.3
75°	214.9	216.0	214.9	216.0	217.1	217.1	217.1	217.1	218.1	217.1
77.5°	172.6	173.6	173.6	175.8	175.8	175.8	176.9	176.9	176.9	176.9
80°	132.4	133.5	134.6	136.7	136.7	138.9	140.0	140.0	140.0	140.0
82.5°	95.5	98.8	99.8	103.1	104.2	104.2	106.4	107.4	107.4	107.4
85°	66.2	69.5	71.6	73.8	76.0	76.0	78.1	78.1	79.2	79.2
87.5°	41.2	44.5	46.7	49.9	51.0	52.1	53.2	54.3	55.4	55.4
90°	22.8	25.0	27.1	29.3	29.3	30.4	31.5	32.6	33.6	33.6
92.5°	16.3	17.4	19.5	20.6	20.6	21.7	22.8	22.8	23.9	23.9
95°	18.5	19.5	19.5	20.6	20.6	20.6	21.7	21.7	21.7	21.7
97.5°	28.2	28.2	28.2	27.1	27.1	27.1	27.1	27.1	27.1	27.1
100°	36.9	38.0	38.0	38.0	39.1	39.1	39.1	39.1	38.0	38.0
102.5°	41.2	42.3	43.4	44.5	44.5	44.5	45.6	45.6	45.6	45.6
105°	46.7	46.7	47.8	48.8	48.8	48.8	49.9	49.9	49.9	49.9
107.5°	53.2	53.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
110°	60.8	60.8	60.8	59.7	60.8	59.7	59.7	59.7	59.7	59.7





TEST NUMBER: P395896

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	69.5	68.4	68.4	67.3	67.3	67.3	66.2	66.2	66.2	66.2
115°	83.6	78.1	76.0	73.8	73.8	73.8	72.7	72.7	72.7	72.7
117.5°	100.9	93.3	89.0	84.7	83.6	82.5	80.3	80.3	79.2	79.2
120°	119.4	111.8	105.3	99.8	97.7	96.6	93.3	91.2	89.0	89.0
122.5°	136.7	129.2	122.6	117.2	115.0	112.9	109.6	107.4	105.3	105.3
125°	154.1	146.5	140.0	134.6	131.3	129.2	125.9	123.7	121.6	121.6
127.5°	172.6	162.8	156.3	150.9	147.6	146.5	142.2	140.0	137.8	137.8
130°	193.2	181.2	172.6	166.1	163.9	161.7	158.5	156.3	154.1	154.1
132.5°	213.8	201.9	192.1	183.4	180.2	178.0	173.6	171.5	169.3	169.3
135°	233.3	222.5	212.7	204.0	200.8	197.5	193.2	188.8	186.7	186.7
137.5°	248.5	240.9	232.3	224.7	221.4	218.1	213.8	209.5	206.2	207.3
140°	261.6	255.0	249.6	244.2	240.9	238.8	234.4	231.2	227.9	227.9
142.5°	273.5	268.1	262.6	258.3	257.2	256.1	252.9	249.6	247.4	247.4
145°	284.4	281.1	276.8	271.3	270.2	269.2	265.9	263.7	262.6	262.6
147.5°	287.6	288.7	287.6	284.4	283.3	282.2	280.0	277.8	276.8	276.8
150°	285.4	289.8	291.9	291.9	291.9	291.9	291.9	289.8	288.7	288.7
152.5°	278.9	285.4	289.8	293.0	294.1	295.2	295.2	296.3	295.2	295.2
155°	271.3	277.8	284.4	287.6	289.8	290.9	293.0	294.1	295.2	294.1
157.5°	262.6	268.1	272.4	278.9	281.1	283.3	285.4	287.6	288.7	287.6
160°	255.0	259.4	262.6	267.0	268.1	270.2	272.4	273.5	275.7	274.6
162.5°	247.4	250.7	254.0	256.1	258.3	259.4	261.6	262.6	263.7	262.6
165°	242.0	244.2	245.3	247.4	248.5	249.6	250.7	251.8	251.8	251.8
167.5°	235.5	237.7	238.8	239.9	240.9	242.0	242.0	243.1	243.1	243.1
170°	230.1	231.2	232.3	233.3	233.3	234.4	234.4	234.4	235.5	234.4
172.5°	225.7	225.7	225.7	226.8	226.8	226.8	226.8	226.8	226.8	225.7
175°	223.6	223.6	222.5	222.5	222.5	222.5	222.5	221.4	220.3	219.2
177.5°	222.5	221.4	221.4	220.3	220.3	220.3	219.2	218.1	217.1	216.0
180°	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4	221.4

(END OF REPORT)