

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: P395897

Luminaire Tested: **I3-WL-50L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395897
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 (4500K)
Description: CORELITE I3, DOWNLIGHT TRAY
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4360.7 lumens
Efficiency: N/A
Efficacy: 84.3 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

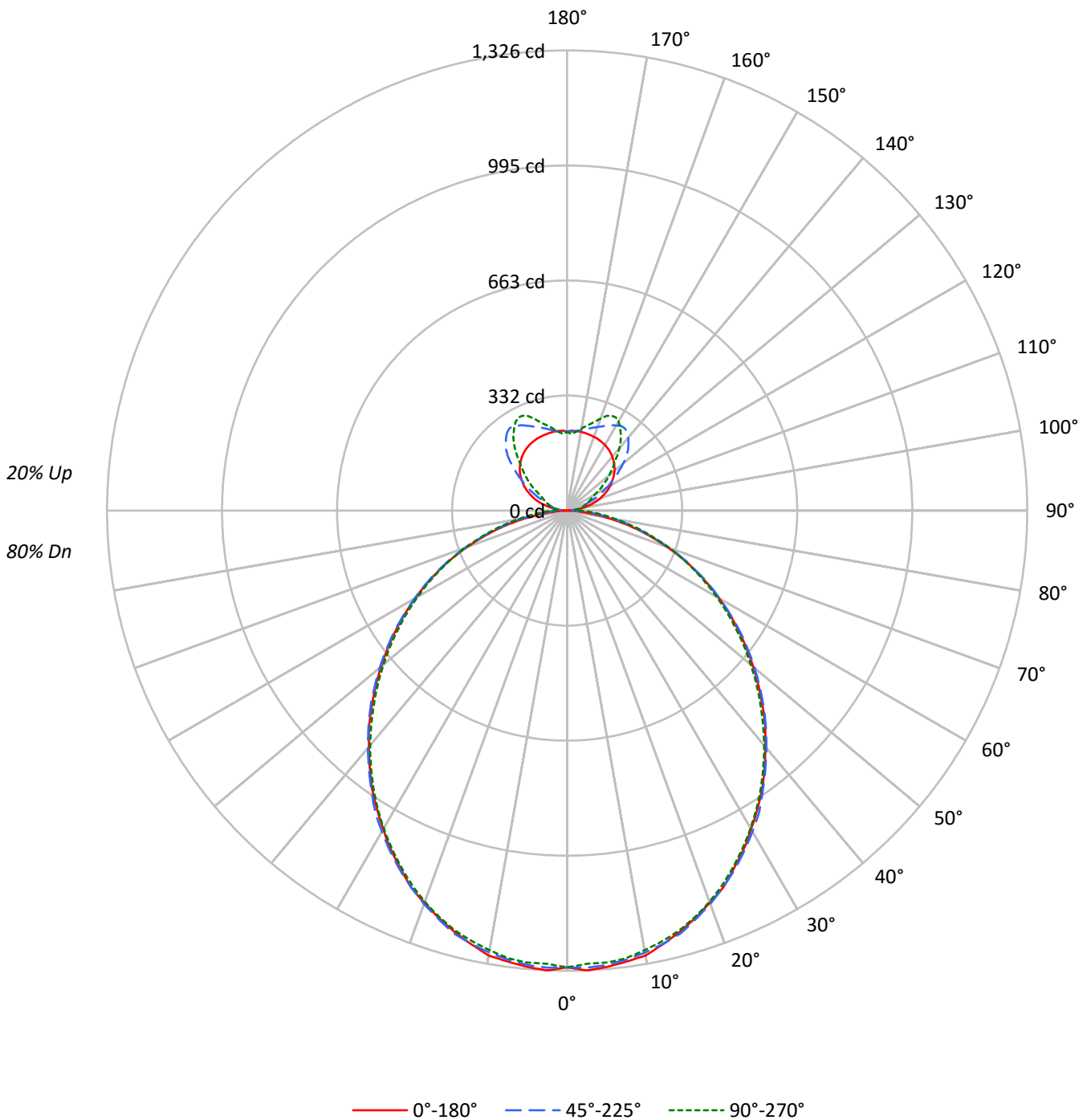
Input Watts (W): 51.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	7234	7234	7234
5°	7254	7085	7009
10°	7212	6893	6780
15°	7067	6702	6539
20°	6928	6432	6256
25°	6761	6159	5944
30°	6567	5876	5625
35°	6385	5563	5295
40°	6156	5240	4951
45°	5936	4924	4590
50°	5700	4578	4225
55°	5453	4223	3853
60°	5176	3831	3469
65°	4858	3404	3057
70°	4406	2906	2625
75°	3795	2303	2108
80°	2897	1659	1574
85°	1510	992	1066



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CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	2.9
10°-20°	352.7	8.1
20°-30°	522.3	12.0
30°-40°	610.4	14.0
40°-50°	613.2	14.1
50°-60°	538.9	12.4
60°-70°	403.8	9.3
70°-80°	229.6	5.3
80°-90°	72.5	1.7
90°-100°	26.1	0.6
100°-110°	63.7	1.5
110°-120°	105.8	2.4
120°-130°	148.4	3.4
130°-140°	171.1	3.9
140°-150°	163.4	3.7
150°-160°	122.9	2.8
160°-170°	69.5	1.6
170°-180°	22.0	0.5
0°-30°	999.4	22.9
0°-40°	1609.8	36.9
0°-60°	2761.9	63.3
0°-90°	3467.8	79.5
90°-120°	195.6	4.5
90°-150°	678.5	15.6
90°-180°	893.0	20.5
0°-180°	4360.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1320	1306	1314	1310	1307	125
15°	1256	1245	1262	1253	1252	354
25°	1137	1134	1141	1137	1132	524
35°	980	972	983	976	973	612
45°	796	795	802	793	787	614
55°	604	606	608	600	594	539
65°	408	409	411	408	403	403
75°	207	210	216	223	223	219
85°	36	47	64	78	81	46
90°	1	7	20	30	34	3
95°	19	19	19	21	22	21
105°	75	64	48	50	51	78
115°	122	153	94	76	75	121
125°	162	223	168	135	125	144
135°	192	243	248	206	192	148
145°	212	240	290	277	270	132
155°	223	236	270	297	302	103
165°	228	232	245	255	258	65
175°	230	228	228	228	225	22
180°	227	227	227	227	227	



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CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2
2.5°	1326.3	1324.0	1318.5	1312.9	1311.8	1310.7	1310.7	1309.6	1309.6	1311.8	1318.5
5°	1319.6	1318.5	1312.9	1307.3	1306.2	1306.2	1305.1	1305.1	1305.1	1307.3	1314.0
7.5°	1310.7	1308.5	1302.9	1297.3	1296.2	1296.2	1296.2	1295.1	1296.2	1297.3	1305.1
10°	1301.8	1300.7	1295.1	1288.4	1286.2	1286.2	1285.1	1282.8	1282.8	1285.1	1292.9
12.5°	1279.5	1278.4	1272.8	1268.4	1268.4	1269.5	1269.5	1270.6	1270.6	1272.8	1278.4
15°	1256.1	1255.0	1249.4	1245.0	1245.0	1245.0	1243.9	1243.9	1245.0	1251.7	1261.7
17.5°	1230.5	1229.4	1224.9	1220.5	1220.5	1220.5	1219.4	1219.4	1220.5	1223.8	1233.8
20°	1202.7	1201.5	1197.1	1192.6	1192.6	1192.6	1191.5	1192.6	1192.6	1197.1	1206.0
22.5°	1175.9	1173.7	1168.1	1163.7	1161.5	1161.5	1161.5	1160.3	1162.6	1165.9	1174.8
25°	1137.0	1135.8	1133.6	1130.3	1132.5	1133.6	1131.4	1129.2	1129.2	1133.6	1141.4
27.5°	1101.3	1099.1	1095.8	1092.4	1090.2	1091.3	1092.4	1094.6	1098.0	1099.1	1105.8
30°	1060.1	1059.0	1055.7	1051.2	1052.3	1053.4	1053.4	1053.4	1055.7	1065.7	1067.9
32.5°	1020.0	1018.9	1015.6	1011.1	1012.2	1013.4	1012.2	1013.4	1015.6	1020.0	1030.1
35°	979.9	977.7	974.4	973.3	972.2	972.2	972.2	973.3	974.4	977.7	983.3
37.5°	934.3	932.1	929.8	926.5	928.7	930.9	932.1	930.9	932.1	936.5	938.7
40°	888.6	887.5	885.3	883.1	884.2	885.3	884.2	887.5	889.7	892.0	893.1
42.5°	845.2	843.0	840.7	839.6	839.6	840.7	840.7	843.0	843.0	848.5	847.4
45°	796.2	795.1	794.0	794.0	795.1	795.1	795.1	796.2	797.3	800.7	801.8
47.5°	748.3	747.2	747.2	747.2	747.2	748.3	749.4	752.8	750.6	751.7	752.8
50°	700.4	699.3	699.3	699.3	701.6	701.6	703.8	704.9	706.0	703.8	704.9
52.5°	651.4	650.3	652.6	652.6	654.8	654.8	658.1	654.8	657.0	655.9	655.9
55°	603.6	602.4	604.7	603.6	605.8	605.8	608.0	609.1	608.0	608.0	608.0
57.5°	554.6	553.4	554.6	555.7	556.8	556.8	560.1	560.1	556.8	559.0	557.9
60°	505.6	504.4	505.6	506.7	507.8	507.8	508.9	506.7	508.9	510.0	508.9
62.5°	456.6	455.5	457.7	456.6	457.7	458.8	458.8	462.1	461.0	461.0	459.9
65°	407.6	406.5	406.5	406.5	407.6	408.7	409.8	410.9	410.9	412.0	410.9
67.5°	357.5	356.3	357.5	356.3	357.5	358.6	360.8	361.9	361.9	363.0	361.9
70°	306.2	307.3	306.2	307.3	308.5	309.6	310.7	312.9	312.9	312.9	312.9
72.5°	256.1	255.0	255.0	253.9	256.1	257.2	258.3	261.7	261.7	262.8	262.8
75°	207.1	204.9	206.0	204.9	209.4	210.5	210.5	213.8	214.9	217.1	216.0
77.5°	159.2	159.2	157.0	160.4	161.5	163.7	165.9	168.1	169.3	172.6	172.6
80°	113.6	113.6	112.5	114.7	119.2	120.3	123.6	124.7	128.1	130.3	131.4
82.5°	72.4	72.4	72.4	75.7	79.1	80.2	83.5	86.9	89.1	92.4	93.5
85°	35.6	37.9	37.9	42.3	44.5	46.8	47.9	52.3	55.7	60.1	63.5
87.5°	11.1	12.2	13.4	15.6	20.0	21.2	23.4	27.8	31.2	35.6	39.0
90°	1.1	1.1	2.2	3.3	5.6	6.7	8.9	11.1	14.5	17.8	20.0
92.5°	7.8	7.8	8.9	8.9	8.9	8.9	8.9	10.0	11.1	13.4	14.5
95°	18.9	30.1	17.8	16.7	18.9	18.9	20.0	18.9	18.9	18.9	18.9
97.5°	31.2	55.7	36.7	25.6	24.5	25.6	25.6	27.8	29.0	30.1	30.1
100°	45.7	70.2	64.6	42.3	34.5	33.4	33.4	33.4	34.5	35.6	36.7
102.5°	60.1	80.2	92.4	65.7	49.0	44.5	42.3	41.2	40.1	41.2	41.2
105°	74.6	90.2	113.6	89.1	70.2	63.5	56.8	49.0	47.9	47.9	47.9
107.5°	88.0	100.2	129.2	115.8	91.3	84.6	76.8	64.6	56.8	55.7	54.6
110°	100.2	110.2	140.3	138.1	114.7	104.7	98.0	84.6	73.5	65.7	62.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	111.4	120.3	148.1	157.0	140.3	128.1	118.0	104.7	92.4	82.4	74.6
115°	122.5	130.3	154.8	172.6	162.6	152.6	141.4	124.7	112.5	102.4	93.5
117.5°	133.6	140.3	161.5	183.7	181.5	174.8	165.9	145.9	131.4	121.4	111.4
120°	143.7	150.3	168.1	191.5	198.2	192.6	187.1	169.3	151.4	140.3	131.4
122.5°	152.6	158.1	174.8	198.2	210.5	209.4	203.8	191.5	173.7	160.4	149.2
125°	161.5	167.0	181.5	202.7	219.4	222.7	220.5	210.5	197.1	181.5	168.1
127.5°	170.4	174.8	188.2	207.1	226.1	232.7	233.9	227.2	217.1	203.8	189.3
130°	178.2	182.6	193.8	210.5	230.5	238.3	242.8	241.6	233.9	224.9	210.5
132.5°	184.9	188.2	199.3	213.8	232.7	241.6	248.3	253.9	248.3	241.6	231.6
135°	191.5	194.9	203.8	217.1	233.9	242.8	251.7	260.6	261.7	256.1	248.3
137.5°	197.1	199.3	208.2	219.4	233.9	242.8	251.7	263.9	270.6	268.4	261.7
140°	202.7	204.9	211.6	222.7	235.0	242.8	250.6	265.0	273.9	277.3	273.9
142.5°	207.1	209.4	214.9	224.9	235.0	241.6	249.4	262.8	275.1	281.7	284.0
145°	211.6	212.7	218.3	226.1	235.0	240.5	247.2	260.6	272.8	282.8	289.5
147.5°	214.9	216.0	219.4	227.2	235.0	239.4	245.0	256.1	268.4	279.5	289.5
150°	218.3	218.3	221.6	227.2	235.0	238.3	242.8	252.8	262.8	273.9	282.8
152.5°	220.5	220.5	223.8	228.3	233.9	237.2	241.6	249.4	258.3	268.4	277.3
155°	222.7	222.7	224.9	228.3	233.9	236.1	239.4	246.1	253.9	261.7	269.5
157.5°	224.9	224.9	226.1	229.4	232.7	235.0	238.3	243.9	249.4	256.1	262.8
160°	226.1	226.1	227.2	229.4	231.6	233.9	236.1	240.5	246.1	250.6	256.1
162.5°	227.2	227.2	228.3	229.4	231.6	232.7	233.9	238.3	241.6	246.1	250.6
165°	228.3	228.3	228.3	229.4	230.5	231.6	232.7	235.0	238.3	241.6	245.0
167.5°	229.4	229.4	229.4	229.4	230.5	230.5	231.6	232.7	235.0	237.2	239.4
170°	230.5	229.4	229.4	230.5	229.4	229.4	230.5	231.6	231.6	233.9	235.0
172.5°	230.5	230.5	229.4	229.4	229.4	229.4	229.4	229.4	229.4	230.5	231.6
175°	230.5	230.5	229.4	229.4	229.4	228.3	228.3	228.3	228.3	228.3	228.3
177.5°	230.5	230.5	229.4	229.4	228.3	228.3	228.3	228.3	228.3	228.3	228.3
180°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2	1316.2
2.5°	1325.2	1319.6	1317.4	1316.2	1315.1	1314.0	1311.8	1309.6	1307.3	1307.3
5°	1319.6	1314.0	1311.8	1310.7	1309.6	1308.5	1307.3	1307.3	1307.3	1307.3
7.5°	1310.7	1305.1	1302.9	1301.8	1301.8	1300.7	1300.7	1300.7	1299.5	1300.7
10°	1297.3	1291.7	1290.6	1289.5	1288.4	1286.2	1286.2	1286.2	1285.1	1286.2
12.5°	1280.6	1275.0	1273.9	1272.8	1271.7	1270.6	1270.6	1269.5	1269.5	1270.6
15°	1263.9	1256.1	1253.9	1253.9	1252.8	1251.7	1252.8	1251.7	1251.7	1251.7
17.5°	1239.4	1236.1	1232.7	1230.5	1229.4	1228.3	1228.3	1227.2	1227.2	1227.2
20°	1207.1	1207.1	1207.1	1201.5	1200.4	1199.3	1199.3	1199.3	1199.3	1199.3
22.5°	1175.9	1170.4	1174.8	1171.5	1169.3	1167.0	1168.1	1168.1	1168.1	1168.1
25°	1141.4	1137.0	1138.1	1139.2	1137.0	1133.6	1133.6	1133.6	1133.6	1132.5
27.5°	1104.7	1101.3	1100.2	1101.3	1103.6	1101.3	1098.0	1094.6	1095.8	1095.8
30°	1064.6	1063.5	1062.4	1060.1	1062.4	1063.5	1057.9	1056.8	1056.8	1056.8
32.5°	1024.5	1023.4	1020.0	1017.8	1018.9	1021.1	1018.9	1016.7	1016.7	1016.7
35°	984.4	979.9	976.6	975.5	975.5	977.7	976.6	973.3	973.3	973.3
37.5°	937.6	938.7	933.2	932.1	932.1	932.1	934.3	928.7	929.8	928.7
40°	892.0	893.1	889.7	886.4	887.5	885.3	888.6	883.1	883.1	883.1
42.5°	846.3	844.1	845.2	838.5	839.6	839.6	840.7	837.4	836.3	835.2
45°	799.5	797.3	796.2	792.9	792.9	791.8	791.8	787.3	787.3	787.3
47.5°	750.6	749.4	747.2	745.0	745.0	743.9	741.6	740.5	739.4	739.4
50°	703.8	700.4	697.1	698.2	697.1	696.0	693.8	692.6	691.5	690.4
52.5°	653.7	653.7	649.2	649.2	649.2	648.1	645.9	643.6	643.6	642.5
55°	604.7	603.6	600.2	599.1	600.2	599.1	596.9	594.6	594.6	593.5
57.5°	555.7	553.4	552.3	552.3	551.2	551.2	547.9	545.7	546.8	545.7
60°	505.6	505.6	504.4	503.3	503.3	502.2	498.9	498.9	498.9	497.8
62.5°	457.7	457.7	455.5	454.3	455.5	454.3	453.2	452.1	451.0	449.9
65°	407.6	408.7	406.5	407.6	407.6	405.3	405.3	404.2	404.2	403.1
67.5°	360.8	360.8	359.7	359.7	360.8	359.7	359.7	358.6	358.6	357.5
70°	312.9	315.1	314.0	314.0	314.0	312.9	312.9	312.9	311.8	312.9
72.5°	265.0	265.0	265.0	265.0	265.0	266.1	266.1	266.1	266.1	265.0
75°	220.5	221.6	220.5	221.6	222.7	222.7	222.7	222.7	223.8	222.7
77.5°	177.1	178.2	178.2	180.4	180.4	180.4	181.5	181.5	181.5	181.5
80°	135.9	137.0	138.1	140.3	140.3	142.5	143.7	143.7	143.7	143.7
82.5°	98.0	101.3	102.4	105.8	106.9	106.9	109.1	110.2	110.2	110.2
85°	67.9	71.3	73.5	75.7	78.0	78.0	80.2	80.2	81.3	81.3
87.5°	42.3	45.7	47.9	51.2	52.3	53.5	54.6	55.7	56.8	56.8
90°	23.4	25.6	27.8	30.1	30.1	31.2	32.3	33.4	34.5	34.5
92.5°	16.7	17.8	20.0	21.2	21.2	22.3	23.4	23.4	24.5	24.5
95°	18.9	20.0	20.0	21.2	21.2	21.2	22.3	22.3	22.3	22.3
97.5°	29.0	29.0	29.0	27.8	27.8	27.8	27.8	27.8	27.8	27.8
100°	37.9	39.0	39.0	39.0	40.1	40.1	40.1	40.1	39.0	39.0
102.5°	42.3	43.4	44.5	45.7	45.7	45.7	46.8	46.8	46.8	46.8
105°	47.9	47.9	49.0	50.1	50.1	50.1	51.2	51.2	51.2	51.2
107.5°	54.6	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
110°	62.4	62.4	62.4	61.2	62.4	61.2	61.2	61.2	61.2	61.2



TEST NUMBER: P395897

CATALOG NUMBER: I3-WL-50L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	71.3	70.2	70.2	69.0	69.0	69.0	67.9	67.9	67.9	67.9
115°	85.7	80.2	78.0	75.7	75.7	75.7	74.6	74.6	74.6	74.6
117.5°	103.6	95.8	91.3	86.9	85.7	84.6	82.4	82.4	81.3	81.3
120°	122.5	114.7	108.0	102.4	100.2	99.1	95.8	93.5	91.3	91.3
122.5°	140.3	132.5	125.8	120.3	118.0	115.8	112.5	110.2	108.0	108.0
125°	158.1	150.3	143.7	138.1	134.7	132.5	129.2	126.9	124.7	124.7
127.5°	177.1	167.0	160.4	154.8	151.4	150.3	145.9	143.7	141.4	141.4
130°	198.2	186.0	177.1	170.4	168.1	165.9	162.6	160.4	158.1	158.1
132.5°	219.4	207.1	197.1	188.2	184.9	182.6	178.2	175.9	173.7	173.7
135°	239.4	228.3	218.3	209.4	206.0	202.7	198.2	193.8	191.5	191.5
137.5°	255.0	247.2	238.3	230.5	227.2	223.8	219.4	214.9	211.6	212.7
140°	268.4	261.7	256.1	250.6	247.2	245.0	240.5	237.2	233.9	233.9
142.5°	280.6	275.1	269.5	265.0	263.9	262.8	259.5	256.1	253.9	253.9
145°	291.8	288.4	284.0	278.4	277.3	276.2	272.8	270.6	269.5	269.5
147.5°	295.1	296.2	295.1	291.8	290.6	289.5	287.3	285.1	284.0	284.0
150°	292.9	297.3	299.6	299.6	299.6	299.6	299.6	297.3	296.2	296.2
152.5°	286.2	292.9	297.3	300.7	301.8	302.9	302.9	304.0	302.9	302.9
155°	278.4	285.1	291.8	295.1	297.3	298.4	300.7	301.8	302.9	301.8
157.5°	269.5	275.1	279.5	286.2	288.4	290.6	292.9	295.1	296.2	295.1
160°	261.7	266.1	269.5	273.9	275.1	277.3	279.5	280.6	282.8	281.7
162.5°	253.9	257.2	260.6	262.8	265.0	266.1	268.4	269.5	270.6	269.5
165°	248.3	250.6	251.7	253.9	255.0	256.1	257.2	258.3	258.3	258.3
167.5°	241.6	243.9	245.0	246.1	247.2	248.3	248.3	249.4	249.4	249.4
170°	236.1	237.2	238.3	239.4	239.4	240.5	240.5	240.5	241.6	240.5
172.5°	231.6	231.6	231.6	232.7	232.7	232.7	232.7	232.7	232.7	231.6
175°	229.4	229.4	228.3	228.3	228.3	228.3	228.3	227.2	226.1	224.9
177.5°	228.3	227.2	227.2	226.1	226.1	226.1	224.9	223.8	222.7	221.6
180°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2

(END OF REPORT)