

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: P395468

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7474.6 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

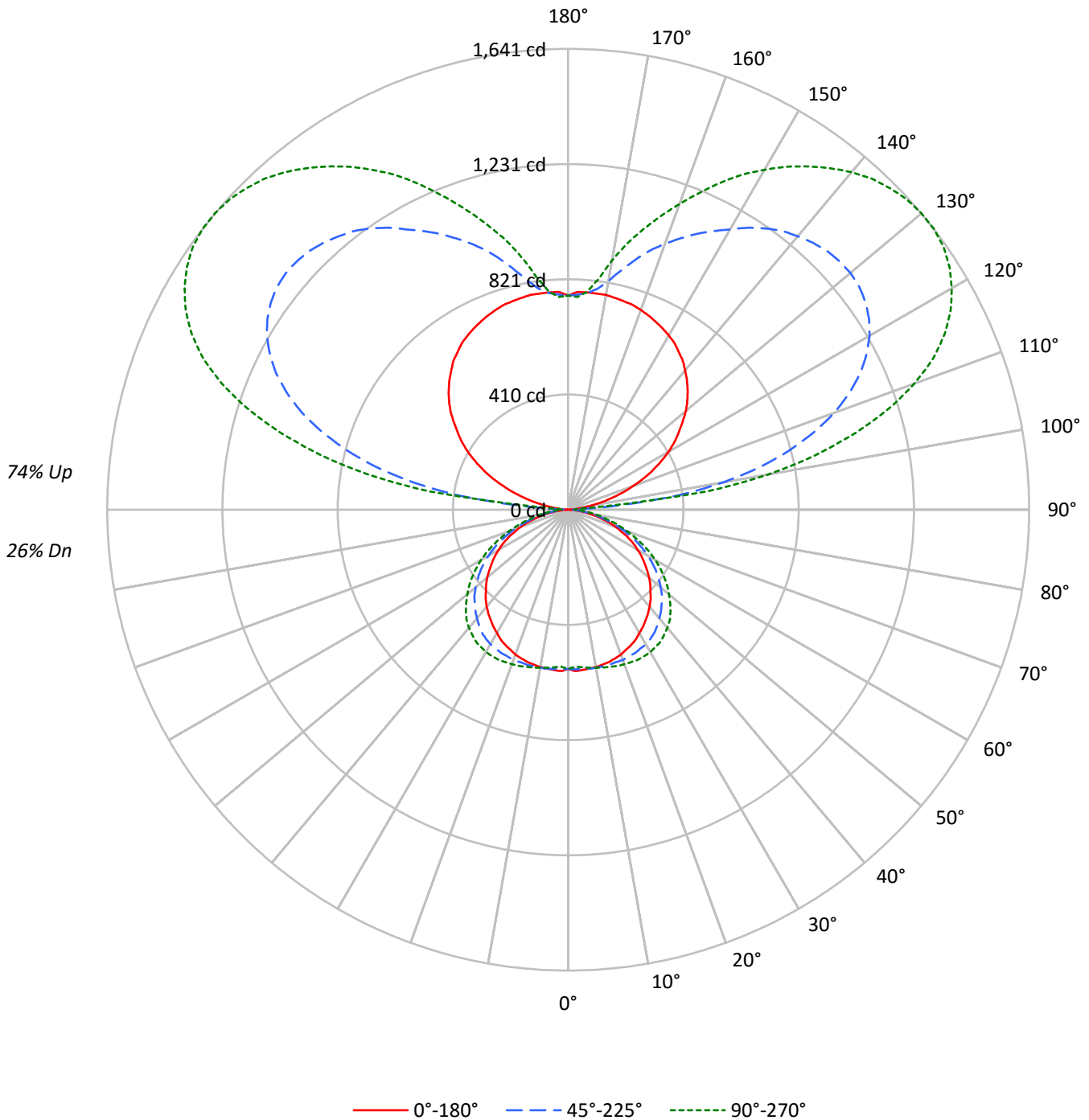
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3118	3118	3118
5°	3151	3069	3019
10°	3153	3045	3011
15°	3157	3034	3026
20°	3163	3036	3053
25°	3158	3039	3093
30°	3140	3043	3115
35°	3132	3027	3118
40°	3121	2962	3079
45°	3089	2891	3002
50°	3061	2795	2868
55°	2998	2655	2703
60°	2924	2468	2495
65°	2804	2216	2212
70°	2604	1886	1873
75°	2249	1501	1504
80°	1744	1067	1102
85°	1023	659	738



TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	0.7
10°-20°	161.2	2.2
20°-30°	258.5	3.5
30°-40°	330.6	4.4
40°-50°	360.5	4.8
50°-60°	337.8	4.5
60°-70°	262.1	3.5
70°-80°	150.2	2.0
80°-90°	48.0	0.6
90°-100°	192.8	2.6
100°-110°	749.4	10.0
110°-120°	1020.3	13.6
120°-130°	1059.1	14.2
130°-140°	939.4	12.6
140°-150°	728.9	9.8
150°-160°	486.5	6.5
160°-170°	259.3	3.5
170°-180°	75.9	1.0
0°-30°	474.0	6.3
0°-40°	804.6	10.8
0°-60°	1502.9	20.1
0°-90°	1963.1	26.3
90°-120°	1962.4	26.3
90°-150°	4689.9	62.7
90°-180°	5511.0	73.7
0°-180°	7474.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	567	567	567	567	567	
5°	573	567	569	567	563	55
15°	561	559	571	579	579	158
25°	531	535	563	583	589	245
35°	481	491	535	563	573	301
45°	414	432	471	501	515	320
55°	332	350	382	408	416	297
65°	235	245	268	286	292	232
75°	123	129	141	155	159	131
85°	24	28	42	54	56	29
90°	2	6	14	20	24	3
95°	24	137	187	38	36	32
105°	159	481	815	968	1060	170
115°	332	742	1146	1348	1478	327
125°	481	875	1291	1517	1631	430
135°	601	921	1303	1529	1619	464
145°	686	921	1223	1420	1492	430
155°	738	871	1084	1229	1285	341
165°	768	800	921	1008	1034	217
175°	776	772	774	778	778	74
180°	762	762	762	762	762	



TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2
2.5°	575.3	573.2	573.2	569.2	569.2	567.2	567.2	567.2	567.2	567.2	569.2
5°	573.2	573.2	571.2	569.2	569.2	567.2	567.2	567.2	567.2	567.2	569.2
7.5°	571.2	571.2	569.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2	571.2
10°	569.2	569.2	567.2	565.2	565.2	565.2	565.2	567.2	567.2	567.2	571.2
12.5°	565.2	563.2	563.2	561.2	561.2	561.2	563.2	563.2	565.2	567.2	571.2
15°	561.2	561.2	559.2	557.2	559.2	559.2	559.2	561.2	563.2	565.2	571.2
17.5°	555.1	555.1	553.1	553.1	553.1	555.1	555.1	557.2	561.2	565.2	569.2
20°	549.1	547.1	547.1	547.1	549.1	549.1	551.1	555.1	557.2	563.2	569.2
22.5°	539.0	541.1	539.0	539.0	541.1	543.1	545.1	549.1	553.1	559.2	565.2
25°	531.0	531.0	531.0	531.0	535.0	535.0	539.0	543.1	549.1	555.1	563.2
27.5°	520.9	520.9	520.9	523.0	525.0	527.0	529.0	535.0	541.1	549.1	557.2
30°	506.9	506.9	506.9	506.9	512.9	514.9	518.9	527.0	533.0	543.1	553.1
32.5°	494.8	494.8	494.8	496.8	500.8	502.8	506.9	516.9	525.0	535.0	545.1
35°	480.7	480.7	482.7	482.7	488.8	490.8	494.8	502.8	510.9	523.0	535.0
37.5°	466.6	466.6	468.7	470.7	474.7	478.7	482.7	490.8	498.8	508.9	520.9
40°	450.5	450.5	452.6	454.6	460.6	464.6	468.7	476.7	484.7	494.8	504.9
42.5°	434.5	434.5	436.5	438.5	444.5	448.5	452.6	462.6	470.7	480.7	488.8
45°	414.3	416.4	418.4	422.4	428.4	432.4	436.5	444.5	454.6	462.6	470.7
47.5°	396.2	398.3	400.3	404.3	410.3	414.3	418.4	426.4	434.5	442.5	452.6
50°	376.1	378.1	380.2	384.2	390.2	394.2	398.3	406.3	414.3	420.4	430.4
52.5°	354.0	356.0	358.0	362.0	370.1	372.1	376.1	384.2	390.2	398.3	406.3
55°	331.9	333.9	335.9	339.9	346.0	350.0	352.0	360.0	366.1	374.1	382.2
57.5°	309.8	311.8	313.8	317.8	321.8	325.8	327.9	333.9	341.9	348.0	356.0
60°	285.6	287.6	289.6	291.6	297.7	299.7	301.7	307.7	313.8	321.8	327.9
62.5°	261.5	261.5	263.5	265.5	271.5	273.5	275.6	279.6	287.6	291.6	297.7
65°	235.3	235.3	237.3	239.4	243.4	245.4	247.4	251.4	257.5	261.5	267.5
67.5°	207.2	207.2	209.2	211.2	215.2	217.2	217.2	223.3	227.3	231.3	235.3
70°	181.0	181.0	183.0	183.0	185.0	187.1	189.1	193.1	195.1	201.1	203.1
72.5°	152.9	152.9	152.9	152.9	156.9	156.9	158.9	162.9	164.9	169.0	173.0
75°	122.7	122.7	124.7	124.7	126.7	128.7	130.7	132.8	136.8	138.8	140.8
77.5°	96.5	94.5	96.5	98.6	100.6	100.6	102.6	104.6	106.6	110.6	112.6
80°	68.4	68.4	68.4	70.4	72.4	72.4	74.4	76.4	78.4	82.5	84.5
82.5°	44.3	44.3	46.3	46.3	48.3	50.3	50.3	52.3	54.3	58.3	60.3
85°	24.1	24.1	24.1	26.1	28.2	28.2	30.2	32.2	36.2	38.2	42.2
87.5°	8.0	8.0	10.1	12.1	14.1	14.1	16.1	18.1	20.1	24.1	26.1
90°	2.0	2.0	2.0	4.0	4.0	6.0	6.0	8.0	10.1	12.1	14.1
92.5°	8.0	14.1	22.1	32.2	30.2	32.2	22.1	14.1	14.1	14.1	16.1
95°	24.1	36.2	58.3	92.5	120.7	136.8	150.9	164.9	193.1	195.1	187.1
97.5°	48.3	66.4	106.6	150.9	201.1	227.3	247.4	289.6	333.9	362.0	396.2
100°	80.5	106.6	158.9	219.2	277.6	311.8	343.9	404.3	458.6	506.9	559.2
102.5°	118.7	148.8	213.2	287.6	360.0	398.3	432.4	502.8	577.3	641.6	697.9
105°	158.9	193.1	269.5	354.0	436.5	480.7	523.0	599.4	677.8	748.2	814.6
107.5°	203.1	239.4	321.8	416.4	508.9	559.2	605.4	687.9	770.4	846.8	917.2
110°	245.4	285.6	372.1	474.7	579.3	629.6	675.8	766.3	852.8	933.3	1007.7



TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	289.6	331.9	418.4	531.0	637.6	689.9	738.2	834.7	925.2	1007.7	1082.1
115°	331.9	372.1	462.6	579.3	687.9	742.2	794.5	893.1	987.6	1070.1	1146.5
117.5°	372.1	410.3	502.8	619.5	732.1	786.4	838.7	941.3	1035.9	1122.3	1196.8
120°	412.3	446.5	547.1	653.7	768.3	822.7	877.0	979.5	1076.1	1162.6	1239.0
122.5°	448.5	480.7	579.3	683.9	796.5	852.8	905.1	1009.7	1108.3	1194.8	1269.2
125°	480.7	510.9	609.4	708.0	820.6	874.9	929.3	1031.8	1130.4	1214.9	1291.3
127.5°	512.9	543.1	631.6	732.1	836.7	893.1	945.3	1047.9	1144.5	1231.0	1305.4
130°	547.1	569.2	653.7	754.3	852.8	905.1	959.4	1058.0	1152.5	1237.0	1311.4
132.5°	575.3	595.4	675.8	772.4	864.9	915.2	963.5	1062.0	1156.5	1237.0	1309.4
135°	601.4	617.5	691.9	788.5	874.9	921.2	967.5	1060.0	1152.5	1233.0	1303.4
137.5°	625.5	641.6	706.0	800.5	883.0	923.2	967.5	1054.0	1142.5	1222.9	1289.3
140°	647.7	659.7	718.1	806.6	887.0	925.2	963.5	1043.9	1126.4	1204.8	1271.2
142.5°	669.8	679.8	728.1	810.6	889.0	925.2	961.4	1031.8	1108.3	1184.7	1251.1
145°	685.9	695.9	736.2	812.6	887.0	921.2	953.4	1019.8	1088.2	1158.6	1222.9
147.5°	704.0	712.0	744.2	808.6	881.0	913.2	943.3	1003.7	1066.0	1130.4	1190.7
150°	716.1	724.1	748.2	804.6	870.9	901.1	931.3	987.6	1043.9	1100.2	1152.5
152.5°	728.1	734.2	754.3	798.5	858.9	887.0	915.2	969.5	1021.8	1072.1	1118.3
155°	738.2	744.2	758.3	794.5	844.8	870.9	897.1	949.4	997.6	1041.9	1084.1
157.5°	748.2	752.3	762.3	788.5	828.7	852.8	877.0	923.2	967.5	1011.7	1045.9
160°	756.3	758.3	766.3	786.4	814.6	832.7	854.8	897.1	937.3	975.5	1007.7
162.5°	764.3	764.3	770.4	782.4	802.5	814.6	830.7	866.9	903.1	937.3	967.5
165°	768.3	768.3	772.4	780.4	792.5	800.5	810.6	834.7	862.9	893.1	921.2
167.5°	772.4	772.4	774.4	778.4	786.4	790.5	794.5	810.6	828.7	850.8	872.9
170°	776.4	774.4	774.4	778.4	780.4	782.4	784.4	792.5	800.5	814.6	826.7
172.5°	776.4	774.4	774.4	776.4	776.4	776.4	776.4	778.4	780.4	788.5	792.5
175°	776.4	774.4	774.4	774.4	774.4	772.4	772.4	772.4	772.4	772.4	774.4
177.5°	776.4	774.4	772.4	772.4	770.4	770.4	768.3	768.3	766.3	766.3	766.3
180°	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3



TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2	567.2
2.5°	569.2	569.2	567.2	567.2	565.2	565.2	563.2	561.2	559.2	559.2
5°	571.2	569.2	567.2	567.2	567.2	565.2	565.2	565.2	563.2	563.2
7.5°	571.2	571.2	571.2	569.2	569.2	569.2	569.2	569.2	567.2	567.2
10°	573.2	573.2	573.2	573.2	573.2	573.2	573.2	571.2	571.2	571.2
12.5°	573.2	573.2	573.2	575.3	575.3	575.3	575.3	575.3	575.3	575.3
15°	575.3	575.3	577.3	577.3	579.3	579.3	581.3	581.3	581.3	579.3
17.5°	573.2	575.3	577.3	579.3	581.3	581.3	583.3	583.3	583.3	583.3
20°	573.2	577.3	579.3	581.3	583.3	583.3	585.3	587.3	587.3	585.3
22.5°	571.2	575.3	577.3	581.3	583.3	583.3	587.3	587.3	587.3	587.3
25°	569.2	573.2	577.3	581.3	583.3	583.3	587.3	587.3	589.3	589.3
27.5°	565.2	569.2	575.3	579.3	581.3	583.3	585.3	587.3	587.3	587.3
30°	559.2	565.2	571.2	575.3	577.3	579.3	581.3	583.3	585.3	585.3
32.5°	551.1	557.2	563.2	569.2	571.2	573.2	577.3	579.3	579.3	579.3
35°	543.1	549.1	555.1	561.2	563.2	565.2	569.2	571.2	573.2	573.2
37.5°	531.0	537.0	543.1	549.1	551.1	555.1	559.2	561.2	561.2	561.2
40°	512.9	523.0	531.0	537.0	539.0	543.1	545.1	549.1	549.1	549.1
42.5°	496.8	504.9	510.9	518.9	520.9	527.0	531.0	533.0	535.0	535.0
45°	478.7	486.8	492.8	498.8	500.8	504.9	508.9	510.9	512.9	514.9
47.5°	460.6	466.6	472.7	478.7	480.7	484.7	488.8	490.8	492.8	492.8
50°	438.5	444.5	450.5	456.6	458.6	462.6	464.6	466.6	468.7	468.7
52.5°	414.3	420.4	426.4	432.4	434.5	436.5	440.5	442.5	444.5	444.5
55°	390.2	396.2	400.3	406.3	408.3	410.3	412.3	416.4	418.4	416.4
57.5°	362.0	368.1	372.1	378.1	380.2	382.2	384.2	386.2	388.2	388.2
60°	331.9	337.9	343.9	348.0	350.0	352.0	354.0	356.0	358.0	358.0
62.5°	301.7	307.7	311.8	317.8	319.8	319.8	321.8	323.8	325.8	325.8
65°	271.5	277.6	279.6	285.6	285.6	287.6	289.6	291.6	291.6	291.6
67.5°	239.4	245.4	247.4	251.4	251.4	253.4	255.4	257.5	257.5	257.5
70°	209.2	211.2	215.2	217.2	219.2	219.2	221.3	223.3	225.3	223.3
72.5°	177.0	179.0	183.0	185.0	185.0	187.1	187.1	189.1	191.1	191.1
75°	144.8	148.8	150.9	152.9	154.9	154.9	156.9	158.9	158.9	158.9
77.5°	114.6	118.7	120.7	122.7	124.7	124.7	126.7	126.7	128.7	126.7
80°	88.5	90.5	92.5	94.5	96.5	96.5	98.6	100.6	100.6	100.6
82.5°	64.4	66.4	70.4	72.4	72.4	72.4	76.4	76.4	78.4	76.4
85°	44.3	46.3	50.3	52.3	54.3	54.3	54.3	56.3	58.3	56.3
87.5°	28.2	32.2	34.2	36.2	36.2	36.2	38.2	40.2	40.2	40.2
90°	16.1	16.1	18.1	20.1	20.1	22.1	22.1	24.1	24.1	24.1
92.5°	16.1	18.1	18.1	18.1	20.1	20.1	20.1	22.1	22.1	22.1
95°	136.8	98.6	56.3	44.3	38.2	38.2	36.2	38.2	36.2	36.2
97.5°	414.3	448.5	464.6	486.8	498.8	496.8	488.8	496.8	490.8	496.8
100°	589.3	621.5	645.7	651.7	663.8	669.8	691.9	708.0	716.1	726.1
102.5°	732.1	770.4	798.5	814.6	826.7	834.7	860.9	885.0	897.1	905.1
105°	862.9	903.1	937.3	953.4	967.5	975.5	1003.7	1031.8	1049.9	1060.0
107.5°	967.5	1013.7	1049.9	1074.1	1088.2	1102.2	1136.4	1164.6	1186.7	1196.8
110°	1062.0	1108.3	1146.5	1174.6	1190.7	1204.8	1243.0	1275.2	1299.4	1311.4



TEST NUMBER: P395468

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1140.5	1190.7	1229.0	1259.1	1275.2	1295.3	1331.5	1367.7	1391.9	1406.0
115°	1204.8	1257.1	1297.3	1329.5	1347.6	1365.7	1408.0	1444.2	1468.3	1478.4
117.5°	1259.1	1311.4	1353.7	1385.8	1406.0	1426.1	1468.3	1500.5	1526.6	1534.7
120°	1303.4	1355.7	1397.9	1434.1	1454.2	1472.3	1512.6	1546.7	1570.9	1576.9
122.5°	1333.5	1387.9	1432.1	1472.3	1490.4	1508.5	1546.7	1580.9	1603.1	1609.1
125°	1355.7	1412.0	1456.2	1498.5	1516.6	1534.7	1570.9	1605.1	1623.2	1631.2
127.5°	1369.7	1426.1	1474.3	1514.6	1534.7	1550.8	1587.0	1617.1	1635.3	1641.3
130°	1373.8	1432.1	1480.4	1522.6	1540.7	1556.8	1591.0	1621.2	1637.3	1641.3
132.5°	1373.8	1430.1	1480.4	1520.6	1538.7	1554.8	1587.0	1615.1	1631.2	1635.3
135°	1365.7	1420.0	1470.3	1510.5	1528.6	1544.7	1576.9	1601.1	1617.1	1619.2
137.5°	1351.6	1403.9	1452.2	1492.4	1510.5	1526.6	1554.8	1580.9	1595.0	1599.0
140°	1333.5	1381.8	1430.1	1468.3	1486.4	1500.5	1528.6	1550.8	1564.9	1568.9
142.5°	1309.4	1357.7	1401.9	1440.1	1454.2	1470.3	1494.5	1516.6	1528.6	1532.7
145°	1283.3	1329.5	1369.7	1403.9	1420.0	1434.1	1456.2	1476.4	1488.4	1492.4
147.5°	1249.1	1295.3	1333.5	1365.7	1379.8	1393.9	1414.0	1432.1	1444.2	1448.2
150°	1206.8	1249.1	1289.3	1319.5	1333.5	1347.6	1367.7	1383.8	1395.9	1397.9
152.5°	1164.6	1204.8	1239.0	1269.2	1283.3	1297.3	1315.4	1331.5	1345.6	1345.6
155°	1124.4	1158.6	1190.7	1216.9	1229.0	1241.0	1259.1	1273.2	1285.3	1285.3
157.5°	1082.1	1114.3	1140.5	1164.6	1174.6	1184.7	1200.8	1212.9	1222.9	1220.9
160°	1041.9	1066.0	1090.2	1110.3	1120.3	1128.4	1140.5	1150.5	1160.6	1158.6
162.5°	997.6	1019.8	1039.9	1054.0	1062.0	1068.0	1080.1	1090.2	1096.2	1096.2
165°	947.4	967.5	985.6	999.7	1007.7	1011.7	1021.8	1027.8	1033.8	1033.8
167.5°	895.1	911.2	927.2	939.3	947.4	951.4	961.4	965.5	973.5	971.5
170°	842.8	854.8	866.9	877.0	881.0	885.0	893.1	897.1	901.1	901.1
172.5°	800.5	804.6	810.6	818.6	818.6	820.6	824.7	826.7	828.7	828.7
175°	776.4	778.4	778.4	778.4	778.4	778.4	780.4	778.4	780.4	778.4
177.5°	766.3	766.3	764.3	764.3	762.3	764.3	762.3	760.3	760.3	758.3
180°	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3	762.3

(END OF REPORT)