

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: P395466

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395466  
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 (3500K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7187.7 lumens  
Efficiency: N/A  
Efficacy: 114.8 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

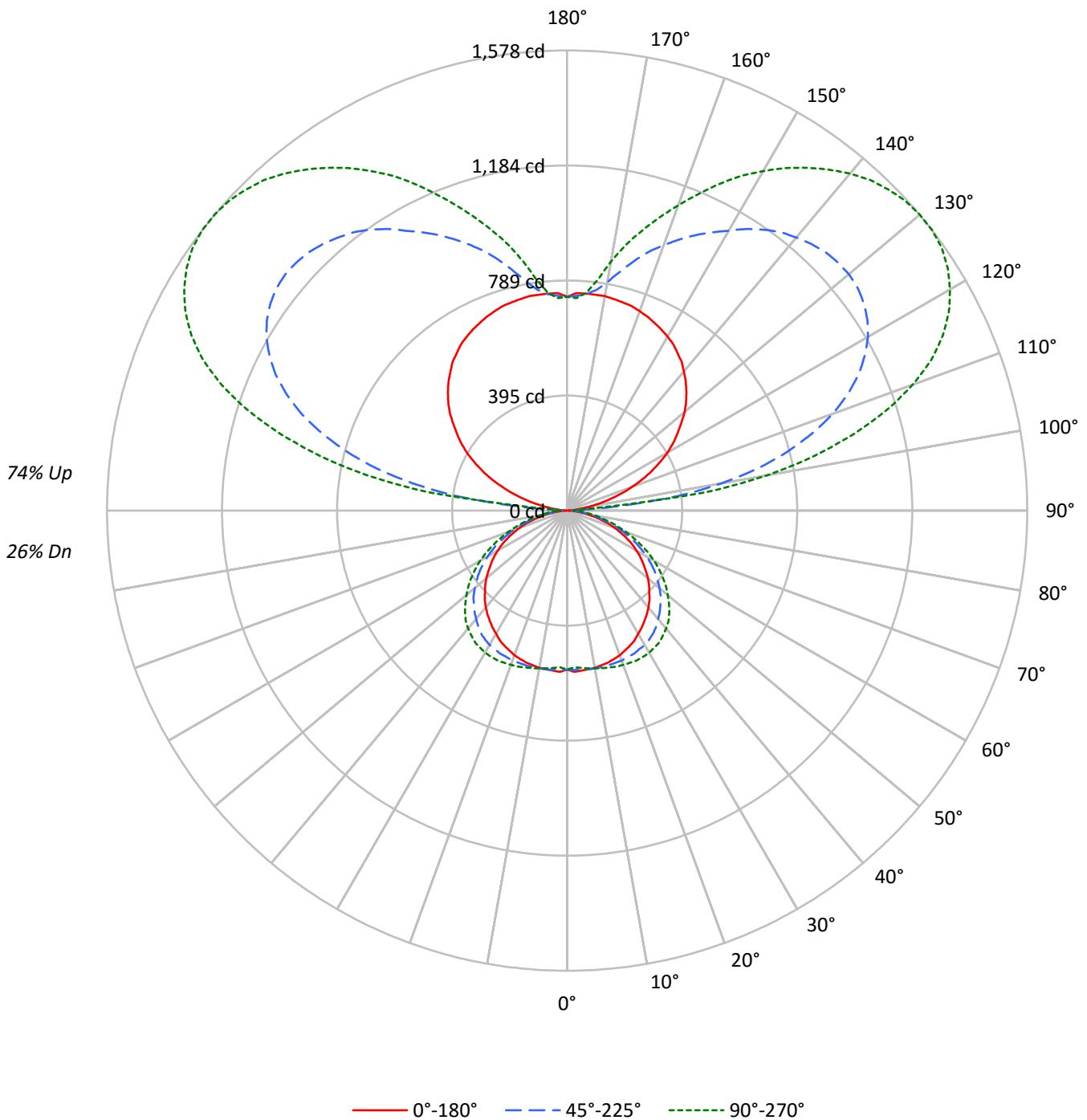
Input Watts (W): 62.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)

### 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	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°	2998	2998	2998
5°	3030	2952	2904
10°	3032	2929	2896
15°	3036	2918	2910
20°	3041	2919	2936
25°	3036	2922	2975
30°	3019	2927	2995
35°	3012	2911	2999
40°	3002	2848	2960
45°	2970	2779	2886
50°	2944	2688	2758
55°	2883	2553	2599
60°	2812	2373	2400
65°	2697	2131	2127
70°	2505	1815	1801
75°	2163	1444	1446
80°	1678	1025	1059
85°	984	634	711



TEST NUMBER: P395466

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.2	0.7
10°-20°	155.0	2.2
20°-30°	248.6	3.5
30°-40°	317.9	4.4
40°-50°	346.6	4.8
50°-60°	324.8	4.5
60°-70°	252.0	3.5
70°-80°	144.4	2.0
80°-90°	46.2	0.6
90°-100°	185.4	2.6
100°-110°	720.6	10.0
110°-120°	981.1	13.6
120°-130°	1018.4	14.2
130°-140°	903.4	12.6
140°-150°	700.9	9.8
150°-160°	467.8	6.5
160°-170°	249.3	3.5
170°-180°	73.0	1.0
0°-30°	455.8	6.3
0°-40°	773.7	10.8
0°-60°	1445.2	20.1
0°-90°	1887.8	26.3
90°-120°	1887.1	26.3
90°-150°	4509.8	62.7
90°-180°	5300.0	73.7
0°-180°	7187.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	545	545	545	545	545	
5°	551	545	547	545	542	52
15°	540	538	549	557	557	152
25°	511	514	542	561	567	235
35°	462	472	514	542	551	289
45°	398	416	453	482	495	308
55°	319	336	368	393	400	285
65°	226	236	257	275	280	223
75°	118	124	135	149	153	126
85°	23	27	41	52	54	28
90°	2	6	14	19	23	3
95°	23	132	180	37	35	30
105°	153	462	783	930	1019	163
115°	319	714	1102	1296	1422	315
125°	462	841	1242	1458	1569	413
135°	578	886	1253	1470	1557	446
145°	660	886	1176	1366	1435	413
155°	710	838	1042	1182	1236	328
165°	739	770	886	969	994	209
175°	747	743	745	748	748	71
180°	733	733	733	733	733	



TEST NUMBER: P395466

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4
2.5°	553.2	551.2	551.2	547.4	547.4	545.4	545.4	545.4	545.4	545.4	547.4
5°	551.2	551.2	549.3	547.4	547.4	545.4	545.4	545.4	545.4	545.4	547.4
7.5°	549.3	549.3	547.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	549.3
10°	547.4	547.4	545.4	543.5	543.5	543.5	543.5	545.4	545.4	545.4	549.3
12.5°	543.5	541.6	541.6	539.6	539.6	539.6	541.6	541.6	543.5	545.4	549.3
15°	539.6	539.6	537.7	535.8	537.7	537.7	537.7	539.6	541.6	543.5	549.3
17.5°	533.8	533.8	531.9	531.9	531.9	533.8	533.8	535.8	539.6	543.5	547.4
20°	528.0	526.1	526.1	526.1	528.0	528.0	530.0	533.8	535.8	541.6	547.4
22.5°	518.4	520.3	518.4	518.4	520.3	522.2	524.2	528.0	531.9	537.7	543.5
25°	510.6	510.6	510.6	510.6	514.5	514.5	518.4	522.2	528.0	533.8	541.6
27.5°	501.0	501.0	501.0	502.9	504.8	506.8	508.7	514.5	520.3	528.0	535.8
30°	487.4	487.4	487.4	487.4	493.2	495.1	499.0	506.8	512.6	522.2	531.9
32.5°	475.8	475.8	475.8	477.7	481.6	483.5	487.4	497.1	504.8	514.5	524.2
35°	462.3	462.3	464.2	464.2	470.0	471.9	475.8	483.5	491.3	502.9	514.5
37.5°	448.7	448.7	450.7	452.6	456.5	460.3	464.2	471.9	479.7	489.3	501.0
40°	433.3	433.3	435.2	437.1	442.9	446.8	450.7	458.4	466.1	475.8	485.5
42.5°	417.8	417.8	419.7	421.6	427.5	431.3	435.2	444.9	452.6	462.3	470.0
45°	398.4	400.4	402.3	406.2	412.0	415.8	419.7	427.5	437.1	444.9	452.6
47.5°	381.0	383.0	384.9	388.8	394.6	398.4	402.3	410.0	417.8	425.5	435.2
50°	361.7	363.6	365.6	369.4	375.2	379.1	383.0	390.7	398.4	404.2	413.9
52.5°	340.4	342.3	344.3	348.2	355.9	357.8	361.7	369.4	375.2	383.0	390.7
55°	319.1	321.1	323.0	326.9	332.7	336.5	338.5	346.2	352.0	359.8	367.5
57.5°	297.9	299.8	301.7	305.6	309.5	313.3	315.3	321.1	328.8	334.6	342.3
60°	274.7	276.6	278.5	280.5	286.3	288.2	290.1	295.9	301.7	309.5	315.3
62.5°	251.4	251.4	253.4	255.3	261.1	263.0	265.0	268.8	276.6	280.5	286.3
65°	226.3	226.3	228.2	230.2	234.0	236.0	237.9	241.8	247.6	251.4	257.2
67.5°	199.2	199.2	201.2	203.1	207.0	208.9	208.9	214.7	218.6	222.4	226.3
70°	174.1	174.1	176.0	176.0	177.9	179.9	181.8	185.7	187.6	193.4	195.4
72.5°	147.0	147.0	147.0	147.0	150.9	150.9	152.8	156.7	158.6	162.5	166.3
75°	118.0	118.0	119.9	119.9	121.9	123.8	125.7	127.7	131.5	133.5	135.4
77.5°	92.8	90.9	92.8	94.8	96.7	96.7	98.6	100.6	102.5	106.4	108.3
80°	65.8	65.8	65.8	67.7	69.6	69.6	71.6	73.5	75.4	79.3	81.2
82.5°	42.6	42.6	44.5	44.5	46.4	48.4	48.4	50.3	52.2	56.1	58.0
85°	23.2	23.2	23.2	25.1	27.1	27.1	29.0	30.9	34.8	36.7	40.6
87.5°	7.7	7.7	9.7	11.6	13.5	13.5	15.5	17.4	19.3	23.2	25.1
90°	1.9	1.9	1.9	3.9	3.9	5.8	5.8	7.7	9.7	11.6	13.5
92.5°	7.7	13.5	21.3	30.9	29.0	30.9	21.3	13.5	13.5	13.5	15.5
95°	23.2	34.8	56.1	89.0	116.1	131.5	145.1	158.6	185.7	187.6	179.9
97.5°	46.4	63.8	102.5	145.1	193.4	218.6	237.9	278.5	321.1	348.2	381.0
100°	77.4	102.5	152.8	210.8	266.9	299.8	330.7	388.8	441.0	487.4	537.7
102.5°	114.1	143.1	205.0	276.6	346.2	383.0	415.8	483.5	555.1	617.0	671.2
105°	152.8	185.7	259.2	340.4	419.7	462.3	502.9	576.4	651.8	719.5	783.3
107.5°	195.4	230.2	309.5	400.4	489.3	537.7	582.2	661.5	740.8	814.3	882.0
110°	236.0	274.7	357.8	456.5	557.0	605.4	649.9	736.9	820.1	897.5	969.0



TEST NUMBER: P395466

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	278.5	319.1	402.3	510.6	613.1	663.4	709.8	802.7	889.7	969.0	1040.6
115°	319.1	357.8	444.9	557.0	661.5	713.7	764.0	858.8	949.7	1029.0	1102.5
117.5°	357.8	394.6	483.5	595.7	704.0	756.3	806.5	905.2	996.1	1079.3	1150.8
120°	396.5	429.4	526.1	628.6	738.9	791.1	843.3	941.9	1034.8	1118.0	1191.4
122.5°	431.3	462.3	557.0	657.6	765.9	820.1	870.4	971.0	1065.7	1148.9	1220.5
125°	462.3	491.3	586.1	680.8	789.1	841.4	893.6	992.2	1087.0	1168.2	1241.7
127.5°	493.2	522.2	607.3	704.0	804.6	858.8	909.1	1007.7	1100.5	1183.7	1255.3
130°	526.1	547.4	628.6	725.3	820.1	870.4	922.6	1017.4	1108.3	1189.5	1261.1
132.5°	553.2	572.5	649.9	742.7	831.7	880.0	926.5	1021.2	1112.1	1189.5	1259.1
135°	578.3	593.8	665.4	758.2	841.4	885.8	930.3	1019.3	1108.3	1185.6	1253.3
137.5°	601.5	617.0	678.9	769.8	849.1	887.8	930.3	1013.5	1098.6	1176.0	1239.8
140°	622.8	634.4	690.5	775.6	853.0	889.7	926.5	1003.8	1083.1	1158.6	1222.4
142.5°	644.1	653.7	700.2	779.5	854.9	889.7	924.5	992.2	1065.7	1139.2	1203.1
145°	659.6	669.2	707.9	781.4	853.0	885.8	916.8	980.6	1046.4	1114.1	1176.0
147.5°	677.0	684.7	715.6	777.5	847.2	878.1	907.1	965.2	1025.1	1087.0	1145.0
150°	688.6	696.3	719.5	773.7	837.5	866.5	895.5	949.7	1003.8	1058.0	1108.3
152.5°	700.2	706.0	725.3	767.9	825.9	853.0	880.0	932.3	982.6	1030.9	1075.4
155°	709.8	715.6	729.2	764.0	812.4	837.5	862.6	912.9	959.3	1001.9	1042.5
157.5°	719.5	723.4	733.1	758.2	796.9	820.1	843.3	887.8	930.3	972.9	1005.8
160°	727.2	729.2	736.9	756.3	783.3	800.7	822.0	862.6	901.3	938.1	969.0
162.5°	735.0	735.0	740.8	752.4	771.7	783.3	798.8	833.6	868.4	901.3	930.3
165°	738.9	738.9	742.7	750.5	762.1	769.8	779.5	802.7	829.8	858.8	885.8
167.5°	742.7	742.7	744.7	748.5	756.3	760.1	764.0	779.5	796.9	818.2	839.4
170°	746.6	744.7	744.7	748.5	750.5	752.4	754.3	762.1	769.8	783.3	794.9
172.5°	746.6	744.7	744.7	746.6	746.6	746.6	746.6	748.5	750.5	758.2	762.1
175°	746.6	744.7	744.7	744.7	744.7	742.7	742.7	742.7	742.7	742.7	744.7
177.5°	746.6	744.7	742.7	742.7	740.8	740.8	738.9	738.9	736.9	736.9	736.9
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4	545.4
2.5°	547.4	547.4	545.4	545.4	543.5	543.5	541.6	539.6	537.7	537.7
5°	549.3	547.4	545.4	545.4	545.4	543.5	543.5	543.5	541.6	541.6
7.5°	549.3	549.3	549.3	547.4	547.4	547.4	547.4	547.4	545.4	545.4
10°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	549.3	549.3	549.3
12.5°	551.2	551.2	551.2	553.2	553.2	553.2	553.2	553.2	553.2	553.2
15°	553.2	553.2	555.1	555.1	557.0	557.0	559.0	559.0	559.0	557.0
17.5°	551.2	553.2	555.1	557.0	559.0	559.0	560.9	560.9	560.9	560.9
20°	551.2	555.1	557.0	559.0	560.9	560.9	562.8	564.8	564.8	562.8
22.5°	549.3	553.2	555.1	559.0	560.9	560.9	564.8	564.8	564.8	564.8
25°	547.4	551.2	555.1	559.0	560.9	560.9	564.8	564.8	566.7	566.7
27.5°	543.5	547.4	553.2	557.0	559.0	560.9	562.8	564.8	564.8	564.8
30°	537.7	543.5	549.3	553.2	555.1	557.0	559.0	560.9	562.8	562.8
32.5°	530.0	535.8	541.6	547.4	549.3	551.2	555.1	557.0	557.0	557.0
35°	522.2	528.0	533.8	539.6	541.6	543.5	547.4	549.3	551.2	551.2
37.5°	510.6	516.4	522.2	528.0	530.0	533.8	537.7	539.6	539.6	539.6
40°	493.2	502.9	510.6	516.4	518.4	522.2	524.2	528.0	528.0	528.0
42.5°	477.7	485.5	491.3	499.0	501.0	506.8	510.6	512.6	514.5	514.5
45°	460.3	468.1	473.9	479.7	481.6	485.5	489.3	491.3	493.2	495.1
47.5°	442.9	448.7	454.5	460.3	462.3	466.1	470.0	471.9	473.9	473.9
50°	421.6	427.5	433.3	439.1	441.0	444.9	446.8	448.7	450.7	450.7
52.5°	398.4	404.2	410.0	415.8	417.8	419.7	423.6	425.5	427.5	427.5
55°	375.2	381.0	384.9	390.7	392.6	394.6	396.5	400.4	402.3	400.4
57.5°	348.2	354.0	357.8	363.6	365.6	367.5	369.4	371.4	373.3	373.3
60°	319.1	324.9	330.7	334.6	336.5	338.5	340.4	342.3	344.3	344.3
62.5°	290.1	295.9	299.8	305.6	307.5	307.5	309.5	311.4	313.3	313.3
65°	261.1	266.9	268.8	274.7	274.7	276.6	278.5	280.5	280.5	280.5
67.5°	230.2	236.0	237.9	241.8	241.8	243.7	245.6	247.6	247.6	247.6
70°	201.2	203.1	207.0	208.9	210.8	210.8	212.8	214.7	216.6	214.7
72.5°	170.2	172.1	176.0	177.9	177.9	179.9	179.9	181.8	183.7	183.7
75°	139.3	143.1	145.1	147.0	148.9	148.9	150.9	152.8	152.8	152.8
77.5°	110.2	114.1	116.1	118.0	119.9	119.9	121.9	121.9	123.8	121.9
80°	85.1	87.0	89.0	90.9	92.8	92.8	94.8	96.7	96.7	96.7
82.5°	61.9	63.8	67.7	69.6	69.6	69.6	73.5	73.5	75.4	73.5
85°	42.6	44.5	48.4	50.3	52.2	52.2	52.2	54.2	56.1	54.2
87.5°	27.1	30.9	32.9	34.8	34.8	34.8	36.7	38.7	38.7	38.7
90°	15.5	15.5	17.4	19.3	19.3	21.3	21.3	23.2	23.2	23.2
92.5°	15.5	17.4	17.4	17.4	19.3	19.3	19.3	21.3	21.3	21.3
95°	131.5	94.8	54.2	42.6	36.7	36.7	34.8	36.7	34.8	34.8
97.5°	398.4	431.3	446.8	468.1	479.7	477.7	470.0	477.7	471.9	477.7
100°	566.7	597.7	620.9	626.7	638.3	644.1	665.4	680.8	688.6	698.2
102.5°	704.0	740.8	767.9	783.3	794.9	802.7	827.8	851.0	862.6	870.4
105°	829.8	868.4	901.3	916.8	930.3	938.1	965.2	992.2	1009.6	1019.3
107.5°	930.3	974.8	1009.6	1032.8	1046.4	1059.9	1092.8	1119.9	1141.2	1150.8
110°	1021.2	1065.7	1102.5	1129.6	1145.0	1158.6	1195.3	1226.3	1249.5	1261.1





TEST NUMBER: P395466

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1096.7	1145.0	1181.8	1210.8	1226.3	1245.6	1280.4	1315.2	1338.4	1352.0
115°	1158.6	1208.9	1247.5	1278.5	1295.9	1313.3	1353.9	1388.7	1411.9	1421.6
117.5°	1210.8	1261.1	1301.7	1332.6	1352.0	1371.3	1411.9	1442.9	1468.0	1475.8
120°	1253.3	1303.6	1344.2	1379.1	1398.4	1415.8	1454.5	1487.4	1510.6	1516.4
122.5°	1282.4	1334.6	1377.1	1415.8	1433.2	1450.6	1487.4	1520.3	1541.5	1547.3
125°	1303.6	1357.8	1400.3	1441.0	1458.4	1475.8	1510.6	1543.5	1560.9	1568.6
127.5°	1317.2	1371.3	1417.7	1456.4	1475.8	1491.2	1526.1	1555.1	1572.5	1578.3
130°	1321.0	1377.1	1423.5	1464.2	1481.6	1497.0	1529.9	1558.9	1574.4	1578.3
132.5°	1321.0	1375.2	1423.5	1462.2	1479.6	1495.1	1526.1	1553.1	1568.6	1572.5
135°	1313.3	1365.5	1413.9	1452.6	1470.0	1485.4	1516.4	1539.6	1555.1	1557.0
137.5°	1299.8	1350.1	1396.5	1435.2	1452.6	1468.0	1495.1	1520.3	1533.8	1537.7
140°	1282.4	1328.8	1375.2	1411.9	1429.4	1442.9	1470.0	1491.2	1504.8	1508.7
142.5°	1259.1	1305.6	1348.1	1384.9	1398.4	1413.9	1437.1	1458.4	1470.0	1473.8
145°	1234.0	1278.5	1317.2	1350.1	1365.5	1379.1	1400.3	1419.7	1431.3	1435.2
147.5°	1201.1	1245.6	1282.4	1313.3	1326.8	1340.4	1359.7	1377.1	1388.7	1392.6
150°	1160.5	1201.1	1239.8	1268.8	1282.4	1295.9	1315.2	1330.7	1342.3	1344.2
152.5°	1119.9	1158.6	1191.4	1220.5	1234.0	1247.5	1264.9	1280.4	1294.0	1294.0
155°	1081.2	1114.1	1145.0	1170.2	1181.8	1193.4	1210.8	1224.3	1235.9	1235.9
157.5°	1040.6	1071.5	1096.7	1119.9	1129.6	1139.2	1154.7	1166.3	1176.0	1174.0
160°	1001.9	1025.1	1048.3	1067.7	1077.3	1085.1	1096.7	1106.3	1116.0	1114.1
162.5°	959.3	980.6	1000.0	1013.5	1021.2	1027.0	1038.6	1048.3	1054.1	1054.1
165°	911.0	930.3	947.7	961.3	969.0	972.9	982.6	988.4	994.2	994.2
167.5°	860.7	876.2	891.7	903.3	911.0	914.9	924.5	928.4	936.1	934.2
170°	810.4	822.0	833.6	843.3	847.2	851.0	858.8	862.6	866.5	866.5
172.5°	769.8	773.7	779.5	787.2	787.2	789.1	793.0	794.9	796.9	796.9
175°	746.6	748.5	748.5	748.5	748.5	748.5	750.5	748.5	750.5	748.5
177.5°	736.9	736.9	735.0	735.0	733.1	735.0	733.1	731.1	731.1	729.2
180°	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1	733.1

(END OF REPORT)