

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: P395465

Luminaire Tested: **I3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395465  
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 (3000K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6944.9 lumens  
Efficiency: N/A  
Efficacy: 112.2 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

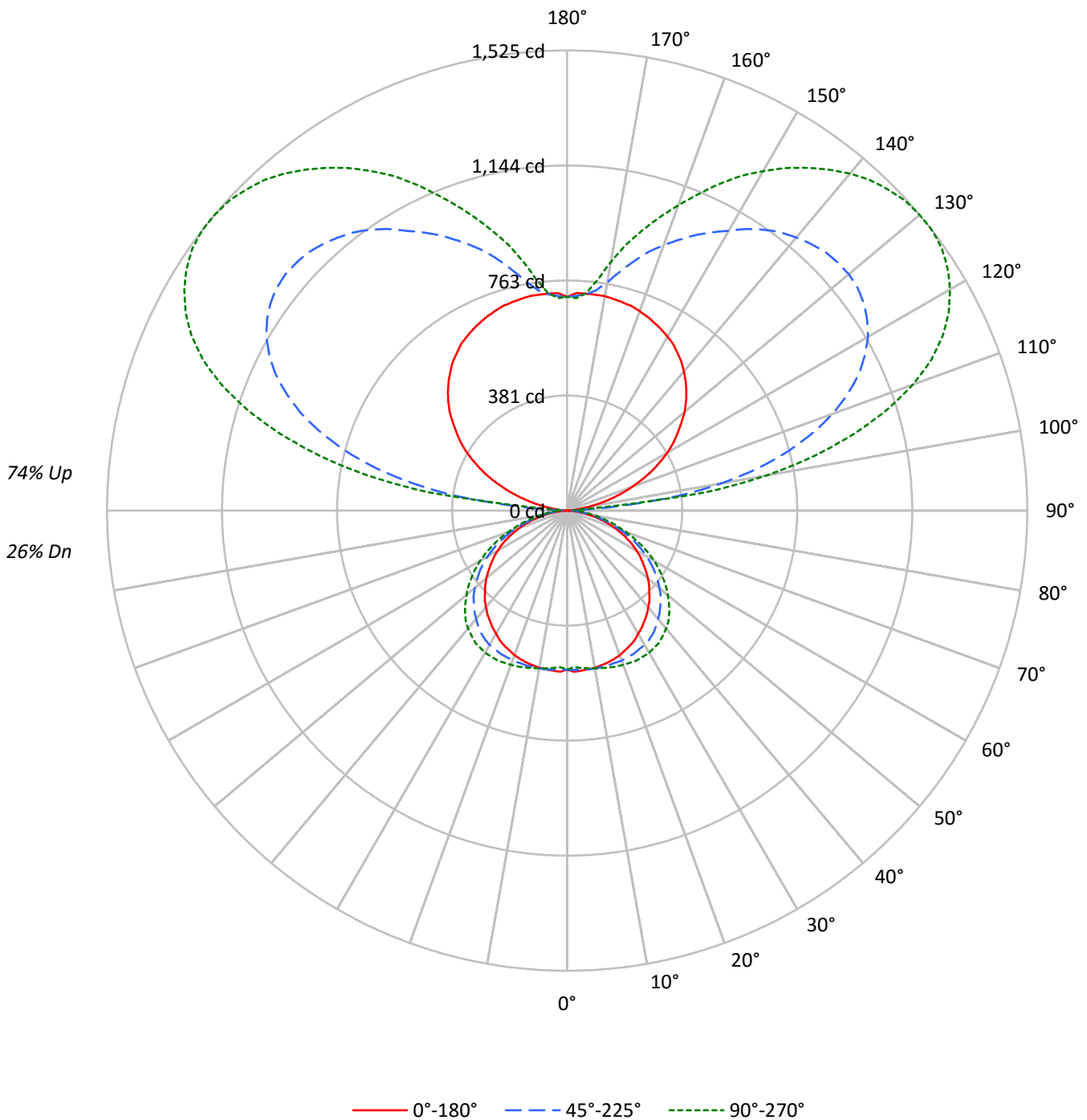
Input Watts (W): 61.9  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2897	2897	2897
5°	2928	2852	2805
10°	2930	2830	2798
15°	2934	2820	2811
20°	2939	2821	2837
25°	2934	2824	2874
30°	2917	2828	2894
35°	2911	2812	2897
40°	2900	2752	2861
45°	2871	2685	2789
50°	2844	2597	2665
55°	2786	2467	2511
60°	2717	2293	2319
65°	2606	2059	2055
70°	2420	1754	1740
75°	2089	1394	1397
80°	1619	991	1023
85°	950	612	686



TEST NUMBER: P395465

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.4	0.7
10°-20°	149.8	2.2
20°-30°	240.2	3.5
30°-40°	307.2	4.4
40°-50°	334.9	4.8
50°-60°	313.8	4.5
60°-70°	243.5	3.5
70°-80°	139.5	2.0
80°-90°	44.6	0.6
90°-100°	179.1	2.6
100°-110°	696.3	10.0
110°-120°	948.0	13.6
120°-130°	984.0	14.2
130°-140°	872.9	12.6
140°-150°	677.2	9.8
150°-160°	452.0	6.5
160°-170°	240.9	3.5
170°-180°	70.5	1.0
0°-30°	440.4	6.3
0°-40°	747.6	10.8
0°-60°	1396.4	20.1
0°-90°	1824.0	26.3
90°-120°	1823.4	26.3
90°-150°	4357.5	62.7
90°-180°	5121.0	73.7
0°-180°	6944.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	527	527	527	527	527	
5°	533	527	529	527	523	51
15°	521	520	531	538	538	147
25°	493	497	523	542	548	227
35°	447	456	497	523	533	280
45°	385	402	437	465	478	298
55°	308	325	355	379	387	276
65°	219	228	249	265	271	215
75°	114	120	131	144	148	122
85°	22	26	39	50	52	27
90°	2	6	13	19	22	3
95°	22	127	174	36	34	29
105°	148	447	757	899	985	158
115°	308	690	1065	1252	1374	304
125°	447	813	1200	1409	1516	399
135°	559	856	1211	1420	1504	431
145°	637	856	1136	1319	1387	399
155°	686	809	1007	1142	1194	317
165°	714	744	856	936	961	202
175°	721	718	720	723	723	69
180°	708	708	708	708	708	



TEST NUMBER: P395465

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	534.5	532.6	532.6	528.9	528.9	527.0	527.0	527.0	527.0	527.0	528.9
5°	532.6	532.6	530.8	528.9	528.9	527.0	527.0	527.0	527.0	527.0	528.9
7.5°	530.8	530.8	528.9	527.0	527.0	527.0	527.0	527.0	527.0	527.0	530.8
10°	528.9	528.9	527.0	525.1	525.1	525.1	525.1	527.0	527.0	527.0	530.8
12.5°	525.1	523.3	523.3	521.4	521.4	521.4	523.3	523.3	525.1	527.0	530.8
15°	521.4	521.4	519.5	517.7	519.5	519.5	519.5	521.4	523.3	525.1	530.8
17.5°	515.8	515.8	513.9	513.9	513.9	515.8	515.8	517.7	521.4	525.1	528.9
20°	510.2	508.3	508.3	508.3	510.2	510.2	512.1	515.8	517.7	523.3	528.9
22.5°	500.8	502.7	500.8	500.8	502.7	504.6	506.5	510.2	513.9	519.5	525.1
25°	493.4	493.4	493.4	493.4	497.1	497.1	500.8	504.6	510.2	515.8	523.3
27.5°	484.0	484.0	484.0	485.9	487.8	489.6	491.5	497.1	502.7	510.2	517.7
30°	470.9	470.9	470.9	470.9	476.6	478.4	482.2	489.6	495.2	504.6	513.9
32.5°	459.7	459.7	459.7	461.6	465.3	467.2	470.9	480.3	487.8	497.1	506.5
35°	446.7	446.7	448.5	448.5	454.1	456.0	459.7	467.2	474.7	485.9	497.1
37.5°	433.6	433.6	435.4	437.3	441.0	444.8	448.5	456.0	463.5	472.8	484.0
40°	418.6	418.6	420.5	422.4	428.0	431.7	435.4	442.9	450.4	459.7	469.1
42.5°	403.7	403.7	405.5	407.4	413.0	416.8	420.5	429.8	437.3	446.7	454.1
45°	385.0	386.8	388.7	392.5	398.1	401.8	405.5	413.0	422.4	429.8	437.3
47.5°	368.2	370.0	371.9	375.6	381.2	385.0	388.7	396.2	403.7	411.1	420.5
50°	349.5	351.3	353.2	356.9	362.6	366.3	370.0	377.5	385.0	390.6	399.9
52.5°	328.9	330.8	332.7	336.4	343.9	345.7	349.5	356.9	362.6	370.0	377.5
55°	308.4	310.2	312.1	315.8	321.4	325.2	327.0	334.5	340.1	347.6	355.1
57.5°	287.8	289.7	291.5	295.3	299.0	302.8	304.6	310.2	317.7	323.3	330.8
60°	265.4	267.2	269.1	271.0	276.6	278.5	280.3	285.9	291.5	299.0	304.6
62.5°	242.9	242.9	244.8	246.7	252.3	254.2	256.0	259.8	267.2	271.0	276.6
65°	218.7	218.7	220.5	222.4	226.1	228.0	229.9	233.6	239.2	242.9	248.6
67.5°	192.5	192.5	194.4	196.2	200.0	201.8	201.8	207.4	211.2	214.9	218.7
70°	168.2	168.2	170.1	170.1	171.9	173.8	175.7	179.4	181.3	186.9	188.8
72.5°	142.0	142.0	142.0	142.0	145.8	145.8	147.6	151.4	153.2	157.0	160.7
75°	114.0	114.0	115.9	115.9	117.7	119.6	121.5	123.3	127.1	128.9	130.8
77.5°	89.7	87.8	89.7	91.6	93.4	93.4	95.3	97.2	99.0	102.8	104.7
80°	63.5	63.5	63.5	65.4	67.3	67.3	69.1	71.0	72.9	76.6	78.5
82.5°	41.1	41.1	43.0	43.0	44.9	46.7	46.7	48.6	50.5	54.2	56.1
85°	22.4	22.4	22.4	24.3	26.2	26.2	28.0	29.9	33.6	35.5	39.2
87.5°	7.5	7.5	9.3	11.2	13.1	13.1	15.0	16.8	18.7	22.4	24.3
90°	1.9	1.9	1.9	3.7	3.7	5.6	5.6	7.5	9.3	11.2	13.1
92.5°	7.5	13.1	20.6	29.9	28.0	29.9	20.6	13.1	13.1	13.1	15.0
95°	22.4	33.6	54.2	86.0	112.1	127.1	140.2	153.2	179.4	181.3	173.8
97.5°	44.9	61.7	99.0	140.2	186.9	211.2	229.9	269.1	310.2	336.4	368.2
100°	74.8	99.0	147.6	203.7	257.9	289.7	319.6	375.6	426.1	470.9	519.5
102.5°	110.3	138.3	198.1	267.2	334.5	370.0	401.8	467.2	536.4	596.2	648.5
105°	147.6	179.4	250.4	328.9	405.5	446.7	485.9	556.9	629.8	695.2	756.9
107.5°	188.8	222.4	299.0	386.8	472.8	519.5	562.5	639.1	715.8	786.8	852.2
110°	228.0	265.4	345.7	441.0	538.2	584.9	627.9	712.0	792.4	867.1	936.3



TEST NUMBER: P395465

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	269.1	308.4	388.7	493.4	592.4	641.0	685.9	775.6	859.7	936.3	1005.4
115°	308.4	345.7	429.8	538.2	639.1	689.6	738.2	829.8	917.6	994.2	1065.2
117.5°	345.7	381.2	467.2	575.6	680.3	730.7	779.3	874.6	962.5	1042.8	1112.0
120°	383.1	414.9	508.3	607.4	713.9	764.4	814.8	910.1	999.8	1080.2	1151.2
122.5°	416.8	446.7	538.2	635.4	740.1	792.4	841.0	938.2	1029.7	1110.1	1179.2
125°	446.7	474.7	566.3	657.8	762.5	812.9	863.4	958.7	1050.3	1128.8	1199.8
127.5°	476.6	504.6	586.8	680.3	777.4	829.8	878.4	973.7	1063.4	1143.7	1212.9
130°	508.3	528.9	607.4	700.8	792.4	841.0	891.4	983.0	1070.8	1149.3	1218.5
132.5°	534.5	553.2	627.9	717.6	803.6	850.3	895.2	986.7	1074.6	1149.3	1216.6
135°	558.8	573.7	642.9	732.6	812.9	855.9	898.9	984.9	1070.8	1145.6	1211.0
137.5°	581.2	596.2	656.0	743.8	820.4	857.8	898.9	979.3	1061.5	1136.3	1197.9
140°	601.8	613.0	667.2	749.4	824.2	859.7	895.2	969.9	1046.6	1119.4	1181.1
142.5°	622.3	631.7	676.5	753.1	826.0	859.7	893.3	958.7	1029.7	1100.7	1162.4
145°	637.3	646.6	684.0	755.0	824.2	855.9	885.8	947.5	1011.0	1076.5	1136.3
147.5°	654.1	661.6	691.5	751.3	818.6	848.5	876.5	932.6	990.5	1050.3	1106.4
150°	665.3	672.8	695.2	747.5	809.2	837.2	865.3	917.6	969.9	1022.3	1070.8
152.5°	676.5	682.1	700.8	741.9	798.0	824.2	850.3	900.8	949.4	996.1	1039.1
155°	685.9	691.5	704.6	738.2	784.9	809.2	833.5	882.1	926.9	968.1	1007.3
157.5°	695.2	698.9	708.3	732.6	770.0	792.4	814.8	857.8	898.9	940.0	971.8
160°	702.7	704.6	712.0	730.7	756.9	773.7	794.3	833.5	870.9	906.4	936.3
162.5°	710.2	710.2	715.8	727.0	745.7	756.9	771.8	805.5	839.1	870.9	898.9
165°	713.9	713.9	717.6	725.1	736.3	743.8	753.1	775.6	801.7	829.8	855.9
167.5°	717.6	717.6	719.5	723.2	730.7	734.5	738.2	753.1	770.0	790.5	811.1
170°	721.4	719.5	719.5	723.2	725.1	727.0	728.8	736.3	743.8	756.9	768.1
172.5°	721.4	719.5	719.5	721.4	721.4	721.4	721.4	723.2	725.1	732.6	736.3
175°	721.4	719.5	719.5	719.5	719.5	717.6	717.6	717.6	717.6	717.6	719.5
177.5°	721.4	719.5	717.6	717.6	715.8	715.8	713.9	713.9	712.0	712.0	712.0
180°	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	528.9	528.9	527.0	527.0	525.1	525.1	523.3	521.4	519.5	519.5
5°	530.8	528.9	527.0	527.0	527.0	525.1	525.1	525.1	523.3	523.3
7.5°	530.8	530.8	530.8	528.9	528.9	528.9	528.9	528.9	527.0	527.0
10°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	530.8	530.8	530.8
12.5°	532.6	532.6	532.6	534.5	534.5	534.5	534.5	534.5	534.5	534.5
15°	534.5	534.5	536.4	536.4	538.2	538.2	540.1	540.1	540.1	538.2
17.5°	532.6	534.5	536.4	538.2	540.1	540.1	542.0	542.0	542.0	542.0
20°	532.6	536.4	538.2	540.1	542.0	542.0	543.8	545.7	545.7	543.8
22.5°	530.8	534.5	536.4	540.1	542.0	542.0	545.7	545.7	545.7	545.7
25°	528.9	532.6	536.4	540.1	542.0	542.0	545.7	545.7	547.6	547.6
27.5°	525.1	528.9	534.5	538.2	540.1	542.0	543.8	545.7	545.7	545.7
30°	519.5	525.1	530.8	534.5	536.4	538.2	540.1	542.0	543.8	543.8
32.5°	512.1	517.7	523.3	528.9	530.8	532.6	536.4	538.2	538.2	538.2
35°	504.6	510.2	515.8	521.4	523.3	525.1	528.9	530.8	532.6	532.6
37.5°	493.4	499.0	504.6	510.2	512.1	515.8	519.5	521.4	521.4	521.4
40°	476.6	485.9	493.4	499.0	500.8	504.6	506.5	510.2	510.2	510.2
42.5°	461.6	469.1	474.7	482.2	484.0	489.6	493.4	495.2	497.1	497.1
45°	444.8	452.3	457.9	463.5	465.3	469.1	472.8	474.7	476.6	478.4
47.5°	428.0	433.6	439.2	444.8	446.7	450.4	454.1	456.0	457.9	457.9
50°	407.4	413.0	418.6	424.2	426.1	429.8	431.7	433.6	435.4	435.4
52.5°	385.0	390.6	396.2	401.8	403.7	405.5	409.3	411.1	413.0	413.0
55°	362.6	368.2	371.9	377.5	379.4	381.2	383.1	386.8	388.7	386.8
57.5°	336.4	342.0	345.7	351.3	353.2	355.1	356.9	358.8	360.7	360.7
60°	308.4	314.0	319.6	323.3	325.2	327.0	328.9	330.8	332.7	332.7
62.5°	280.3	285.9	289.7	295.3	297.1	297.1	299.0	300.9	302.8	302.8
65°	252.3	257.9	259.8	265.4	265.4	267.2	269.1	271.0	271.0	271.0
67.5°	222.4	228.0	229.9	233.6	233.6	235.5	237.3	239.2	239.2	239.2
70°	194.4	196.2	200.0	201.8	203.7	203.7	205.6	207.4	209.3	207.4
72.5°	164.5	166.3	170.1	171.9	171.9	173.8	173.8	175.7	177.5	177.5
75°	134.6	138.3	140.2	142.0	143.9	143.9	145.8	147.6	147.6	147.6
77.5°	106.5	110.3	112.1	114.0	115.9	115.9	117.7	117.7	119.6	117.7
80°	82.2	84.1	86.0	87.8	89.7	89.7	91.6	93.4	93.4	93.4
82.5°	59.8	61.7	65.4	67.3	67.3	67.3	71.0	71.0	72.9	71.0
85°	41.1	43.0	46.7	48.6	50.5	50.5	50.5	52.3	54.2	52.3
87.5°	26.2	29.9	31.8	33.6	33.6	33.6	35.5	37.4	37.4	37.4
90°	15.0	15.0	16.8	18.7	18.7	20.6	20.6	22.4	22.4	22.4
92.5°	15.0	16.8	16.8	16.8	18.7	18.7	18.7	20.6	20.6	20.6
95°	127.1	91.6	52.3	41.1	35.5	35.5	33.6	35.5	33.6	33.6
97.5°	385.0	416.8	431.7	452.3	463.5	461.6	454.1	461.6	456.0	461.6
100°	547.6	577.5	599.9	605.5	616.7	622.3	642.9	657.8	665.3	674.7
102.5°	680.3	715.8	741.9	756.9	768.1	775.6	799.9	822.3	833.5	841.0
105°	801.7	839.1	870.9	885.8	898.9	906.4	932.6	958.7	975.5	984.9
107.5°	898.9	941.9	975.5	998.0	1011.0	1024.1	1055.9	1082.1	1102.6	1112.0
110°	986.7	1029.7	1065.2	1091.4	1106.4	1119.4	1154.9	1184.8	1207.3	1218.5





TEST NUMBER: P395465

CATALOG NUMBER: I3-CL-80L82765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1059.6	1106.4	1141.9	1169.9	1184.8	1203.5	1237.2	1270.8	1293.2	1306.3
115°	1119.4	1168.0	1205.4	1235.3	1252.1	1268.9	1308.2	1341.8	1364.3	1373.6
117.5°	1169.9	1218.5	1257.7	1287.6	1306.3	1325.0	1364.3	1394.2	1418.4	1425.9
120°	1211.0	1259.6	1298.8	1332.5	1351.2	1368.0	1405.4	1437.1	1459.6	1465.2
122.5°	1239.0	1289.5	1330.6	1368.0	1384.8	1401.6	1437.1	1468.9	1489.5	1495.1
125°	1259.6	1311.9	1353.0	1392.3	1409.1	1425.9	1459.6	1491.3	1508.2	1515.6
127.5°	1272.7	1325.0	1369.9	1407.2	1425.9	1440.9	1474.5	1502.5	1519.4	1525.0
130°	1276.4	1330.6	1375.5	1414.7	1431.5	1446.5	1478.3	1506.3	1521.2	1525.0
132.5°	1276.4	1328.7	1375.5	1412.8	1429.7	1444.6	1474.5	1500.7	1515.6	1519.4
135°	1268.9	1319.4	1366.1	1403.5	1420.3	1435.3	1465.2	1487.6	1502.5	1504.4
137.5°	1255.9	1304.5	1349.3	1386.7	1403.5	1418.4	1444.6	1468.9	1482.0	1485.7
140°	1239.0	1283.9	1328.7	1364.3	1381.1	1394.2	1420.3	1440.9	1454.0	1457.7
142.5°	1216.6	1261.5	1302.6	1338.1	1351.2	1366.1	1388.5	1409.1	1420.3	1424.1
145°	1192.3	1235.3	1272.7	1304.5	1319.4	1332.5	1353.0	1371.7	1382.9	1386.7
147.5°	1160.5	1203.5	1239.0	1268.9	1282.0	1295.1	1313.8	1330.6	1341.8	1345.6
150°	1121.3	1160.5	1197.9	1226.0	1239.0	1252.1	1270.8	1285.8	1297.0	1298.8
152.5°	1082.1	1119.4	1151.2	1179.2	1192.3	1205.4	1222.2	1237.2	1250.3	1250.3
155°	1044.7	1076.5	1106.4	1130.6	1141.9	1153.1	1169.9	1183.0	1194.2	1194.2
157.5°	1005.4	1035.3	1059.6	1082.1	1091.4	1100.7	1115.7	1126.9	1136.3	1134.4
160°	968.1	990.5	1012.9	1031.6	1040.9	1048.4	1059.6	1069.0	1078.3	1076.5
162.5°	926.9	947.5	966.2	979.3	986.7	992.4	1003.6	1012.9	1018.5	1018.5
165°	880.2	898.9	915.7	928.8	936.3	940.0	949.4	955.0	960.6	960.6
167.5°	831.6	846.6	861.5	872.7	880.2	884.0	893.3	897.0	904.5	902.6
170°	783.0	794.3	805.5	814.8	818.6	822.3	829.8	833.5	837.2	837.2
172.5°	743.8	747.5	753.1	760.6	760.6	762.5	766.2	768.1	770.0	770.0
175°	721.4	723.2	723.2	723.2	723.2	723.2	725.1	723.2	725.1	723.2
177.5°	712.0	712.0	710.2	710.2	708.3	710.2	708.3	706.4	706.4	704.6
180°	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3	708.3

(END OF REPORT)