

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: P395478

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395478  
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-80L92765-1D-UNV-W2A-W-4 (3000K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5995.9 lumens  
Efficiency: N/A  
Efficacy: 97.2 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

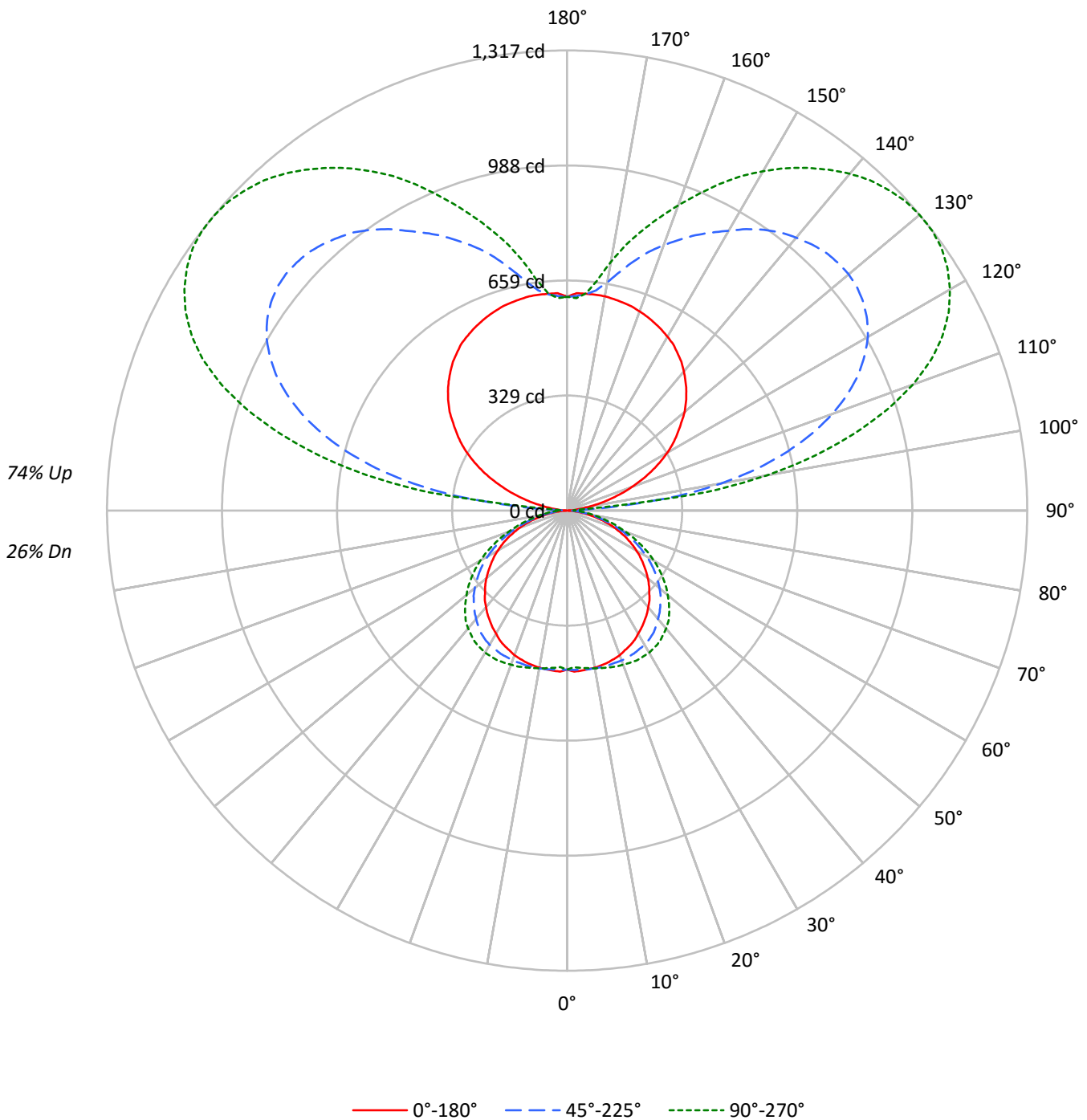
Input Watts (W): 61.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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	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°	2501	2501	2501
5°	2528	2462	2422
10°	2529	2443	2415
15°	2533	2434	2427
20°	2537	2435	2449
25°	2533	2438	2481
30°	2519	2441	2499
35°	2512	2428	2501
40°	2504	2376	2470
45°	2478	2318	2408
50°	2455	2242	2300
55°	2405	2130	2168
60°	2346	1980	2002
65°	2250	1778	1775
70°	2089	1514	1502
75°	1803	1204	1207
80°	1400	856	884
85°	823	529	593



TEST NUMBER: P395478

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.5	0.7
10°-20°	129.3	2.2
20°-30°	207.4	3.5
30°-40°	265.2	4.4
40°-50°	289.2	4.8
50°-60°	270.9	4.5
60°-70°	210.2	3.5
70°-80°	120.5	2.0
80°-90°	38.5	0.6
90°-100°	154.6	2.6
100°-110°	601.1	10.0
110°-120°	818.4	13.6
120°-130°	849.5	14.2
130°-140°	753.6	12.6
140°-150°	584.7	9.8
150°-160°	390.2	6.5
160°-170°	208.0	3.5
170°-180°	60.9	1.0
0°-30°	380.2	6.3
0°-40°	645.4	10.8
0°-60°	1205.5	20.1
0°-90°	1574.8	26.3
90°-120°	1574.2	26.3
90°-150°	3762.0	62.7
90°-180°	4421.0	73.7
0°-180°	5995.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	455	455	455	455	455	
5°	460	455	457	455	452	44
15°	450	448	458	465	465	127
25°	426	429	452	468	473	196
35°	386	394	429	452	460	241
45°	332	347	378	402	413	257
55°	266	281	307	328	334	238
65°	189	197	215	229	234	186
75°	98	103	113	124	128	105
85°	19	23	34	44	45	23
90°	2	5	11	16	19	2
95°	19	110	150	31	29	25
105°	128	386	654	776	850	136
115°	266	595	920	1081	1186	262
125°	386	702	1036	1216	1308	345
135°	482	739	1046	1226	1299	372
145°	550	739	981	1139	1197	345
155°	592	699	870	986	1031	273
165°	616	642	739	808	829	174
175°	623	620	621	624	624	59
180°	612	612	612	612	612	



TEST NUMBER: P395478

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0
2.5°	461.4	459.8	459.8	456.6	456.6	455.0	455.0	455.0	455.0	455.0	456.6
5°	459.8	459.8	458.2	456.6	456.6	455.0	455.0	455.0	455.0	455.0	456.6
7.5°	458.2	458.2	456.6	455.0	455.0	455.0	455.0	455.0	455.0	455.0	458.2
10°	456.6	456.6	455.0	453.4	453.4	453.4	453.4	455.0	455.0	455.0	458.2
12.5°	453.4	451.8	451.8	450.2	450.2	450.2	451.8	451.8	453.4	455.0	458.2
15°	450.2	450.2	448.5	446.9	448.5	448.5	448.5	450.2	451.8	453.4	458.2
17.5°	445.3	445.3	443.7	443.7	443.7	445.3	445.3	446.9	450.2	453.4	456.6
20°	440.5	438.9	438.9	438.9	440.5	440.5	442.1	445.3	446.9	451.8	456.6
22.5°	432.4	434.0	432.4	432.4	434.0	435.6	437.2	440.5	443.7	448.5	453.4
25°	426.0	426.0	426.0	426.0	429.2	429.2	432.4	435.6	440.5	445.3	451.8
27.5°	417.9	417.9	417.9	419.5	421.1	422.7	424.3	429.2	434.0	440.5	446.9
30°	406.6	406.6	406.6	406.6	411.4	413.0	416.3	422.7	427.6	435.6	443.7
32.5°	396.9	396.9	396.9	398.5	401.8	403.4	406.6	414.7	421.1	429.2	437.2
35°	385.6	385.6	387.2	387.2	392.1	393.7	396.9	403.4	409.8	419.5	429.2
37.5°	374.3	374.3	375.9	377.5	380.8	384.0	387.2	393.7	400.1	408.2	417.9
40°	361.4	361.4	363.0	364.6	369.5	372.7	375.9	382.4	388.8	396.9	405.0
42.5°	348.5	348.5	350.1	351.7	356.6	359.8	363.0	371.1	377.5	385.6	392.1
45°	332.4	334.0	335.6	338.8	343.7	346.9	350.1	356.6	364.6	371.1	377.5
47.5°	317.9	319.5	321.1	324.3	329.1	332.4	335.6	342.1	348.5	355.0	363.0
50°	301.7	303.3	304.9	308.2	313.0	316.2	319.5	325.9	332.4	337.2	345.3
52.5°	284.0	285.6	287.2	290.4	296.9	298.5	301.7	308.2	313.0	319.5	325.9
55°	266.2	267.8	269.4	272.7	277.5	280.7	282.4	288.8	293.6	300.1	306.6
57.5°	248.5	250.1	251.7	254.9	258.2	261.4	263.0	267.8	274.3	279.1	285.6
60°	229.1	230.7	232.3	234.0	238.8	240.4	242.0	246.9	251.7	258.2	263.0
62.5°	209.7	209.7	211.4	213.0	217.8	219.4	221.0	224.3	230.7	234.0	238.8
65°	188.8	188.8	190.4	192.0	195.2	196.8	198.5	201.7	206.5	209.7	214.6
67.5°	166.2	166.2	167.8	169.4	172.6	174.3	174.3	179.1	182.3	185.5	188.8
70°	145.2	145.2	146.8	146.8	148.4	150.1	151.7	154.9	156.5	161.3	163.0
72.5°	122.6	122.6	122.6	122.6	125.8	125.8	127.5	130.7	132.3	135.5	138.8
75°	98.4	98.4	100.0	100.0	101.6	103.3	104.9	106.5	109.7	111.3	112.9
77.5°	77.4	75.8	77.4	79.1	80.7	80.7	82.3	83.9	85.5	88.7	90.4
80°	54.9	54.9	54.9	56.5	58.1	58.1	59.7	61.3	62.9	66.2	67.8
82.5°	35.5	35.5	37.1	37.1	38.7	40.3	40.3	41.9	43.6	46.8	48.4
85°	19.4	19.4	19.4	21.0	22.6	22.6	24.2	25.8	29.0	30.7	33.9
87.5°	6.5	6.5	8.1	9.7	11.3	11.3	12.9	14.5	16.1	19.4	21.0
90°	1.6	1.6	1.6	3.2	3.2	4.8	4.8	6.5	8.1	9.7	11.3
92.5°	6.5	11.3	17.7	25.8	24.2	25.8	17.7	11.3	11.3	11.3	12.9
95°	19.4	29.0	46.8	74.2	96.8	109.7	121.0	132.3	154.9	156.5	150.1
97.5°	38.7	53.2	85.5	121.0	161.3	182.3	198.5	232.3	267.8	290.4	317.9
100°	64.5	85.5	127.5	175.9	222.7	250.1	275.9	324.3	367.9	406.6	448.5
102.5°	95.2	119.4	171.0	230.7	288.8	319.5	346.9	403.4	463.1	514.7	559.9
105°	127.5	154.9	216.2	284.0	350.1	385.6	419.5	480.8	543.7	600.2	653.5
107.5°	163.0	192.0	258.2	334.0	408.2	448.5	485.7	551.8	618.0	679.3	735.7
110°	196.8	229.1	298.5	380.8	464.7	505.0	542.1	614.7	684.1	748.6	808.3



TEST NUMBER: P395478

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	232.3	266.2	335.6	426.0	511.5	553.4	592.1	669.6	742.2	808.3	868.0
115°	266.2	298.5	371.1	464.7	551.8	595.4	637.3	716.4	792.2	858.4	919.7
117.5°	298.5	329.1	403.4	496.9	587.3	630.9	672.8	755.1	830.9	900.3	960.0
120°	330.8	358.2	438.9	524.4	616.3	659.9	703.5	785.8	863.2	932.6	993.9
122.5°	359.8	385.6	464.7	548.6	638.9	684.1	726.1	810.0	889.0	958.4	1018.1
125°	385.6	409.8	488.9	567.9	658.3	701.9	745.4	827.7	906.8	974.5	1035.8
127.5°	411.4	435.6	506.6	587.3	671.2	716.4	758.3	840.6	918.1	987.4	1047.1
130°	438.9	456.6	524.4	605.0	684.1	726.1	769.6	848.7	924.5	992.3	1052.0
132.5°	461.4	477.6	542.1	619.6	693.8	734.1	772.8	851.9	927.7	992.3	1050.4
135°	482.4	495.3	555.0	632.5	701.9	739.0	776.1	850.3	924.5	989.0	1045.5
137.5°	501.8	514.7	566.3	642.2	708.3	740.6	776.1	845.5	916.4	981.0	1034.2
140°	519.5	529.2	576.0	647.0	711.5	742.2	772.8	837.4	903.5	966.5	1019.7
142.5°	537.3	545.3	584.1	650.2	713.1	742.2	771.2	827.7	889.0	950.3	1003.6
145°	550.2	558.3	590.5	651.8	711.5	739.0	764.8	818.0	872.9	929.4	981.0
147.5°	564.7	571.2	597.0	648.6	706.7	732.5	756.7	805.1	855.1	906.8	955.2
150°	574.4	580.8	600.2	645.4	698.6	722.8	747.0	792.2	837.4	882.6	924.5
152.5°	584.1	588.9	605.0	640.5	688.9	711.5	734.1	777.7	819.6	860.0	897.1
155°	592.1	597.0	608.3	637.3	677.7	698.6	719.6	761.6	800.3	835.8	869.7
157.5°	600.2	603.4	611.5	632.5	664.7	684.1	703.5	740.6	776.1	811.6	839.0
160°	606.7	608.3	614.7	630.9	653.5	668.0	685.7	719.6	751.9	782.5	808.3
162.5°	613.1	613.1	618.0	627.6	643.8	653.5	666.4	695.4	724.4	751.9	776.1
165°	616.3	616.3	619.6	626.0	635.7	642.2	650.2	669.6	692.2	716.4	739.0
167.5°	619.6	619.6	621.2	624.4	630.9	634.1	637.3	650.2	664.7	682.5	700.2
170°	622.8	621.2	621.2	624.4	626.0	627.6	629.2	635.7	642.2	653.5	663.1
172.5°	622.8	621.2	621.2	622.8	622.8	622.8	622.8	624.4	626.0	632.5	635.7
175°	622.8	621.2	621.2	621.2	621.2	619.6	619.6	619.6	619.6	619.6	621.2
177.5°	622.8	621.2	619.6	619.6	618.0	618.0	616.3	616.3	614.7	614.7	614.7
180°	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0	455.0
2.5°	456.6	456.6	455.0	455.0	453.4	453.4	451.8	450.2	448.5	448.5
5°	458.2	456.6	455.0	455.0	455.0	453.4	453.4	453.4	451.8	451.8
7.5°	458.2	458.2	458.2	456.6	456.6	456.6	456.6	456.6	455.0	455.0
10°	459.8	459.8	459.8	459.8	459.8	459.8	459.8	458.2	458.2	458.2
12.5°	459.8	459.8	459.8	461.4	461.4	461.4	461.4	461.4	461.4	461.4
15°	461.4	461.4	463.1	463.1	464.7	464.7	466.3	466.3	466.3	464.7
17.5°	459.8	461.4	463.1	464.7	466.3	466.3	467.9	467.9	467.9	467.9
20°	459.8	463.1	464.7	466.3	467.9	467.9	469.5	471.1	471.1	469.5
22.5°	458.2	461.4	463.1	466.3	467.9	467.9	471.1	471.1	471.1	471.1
25°	456.6	459.8	463.1	466.3	467.9	467.9	471.1	471.1	472.7	472.7
27.5°	453.4	456.6	461.4	464.7	466.3	467.9	469.5	471.1	471.1	471.1
30°	448.5	453.4	458.2	461.4	463.1	464.7	466.3	467.9	469.5	469.5
32.5°	442.1	446.9	451.8	456.6	458.2	459.8	463.1	464.7	464.7	464.7
35°	435.6	440.5	445.3	450.2	451.8	453.4	456.6	458.2	459.8	459.8
37.5°	426.0	430.8	435.6	440.5	442.1	445.3	448.5	450.2	450.2	450.2
40°	411.4	419.5	426.0	430.8	432.4	435.6	437.2	440.5	440.5	440.5
42.5°	398.5	405.0	409.8	416.3	417.9	422.7	426.0	427.6	429.2	429.2
45°	384.0	390.5	395.3	400.1	401.8	405.0	408.2	409.8	411.4	413.0
47.5°	369.5	374.3	379.2	384.0	385.6	388.8	392.1	393.7	395.3	395.3
50°	351.7	356.6	361.4	366.3	367.9	371.1	372.7	374.3	375.9	375.9
52.5°	332.4	337.2	342.1	346.9	348.5	350.1	353.3	355.0	356.6	356.6
55°	313.0	317.9	321.1	325.9	327.5	329.1	330.8	334.0	335.6	334.0
57.5°	290.4	295.3	298.5	303.3	304.9	306.6	308.2	309.8	311.4	311.4
60°	266.2	271.1	275.9	279.1	280.7	282.4	284.0	285.6	287.2	287.2
62.5°	242.0	246.9	250.1	254.9	256.5	256.5	258.2	259.8	261.4	261.4
65°	217.8	222.7	224.3	229.1	229.1	230.7	232.3	234.0	234.0	234.0
67.5°	192.0	196.8	198.5	201.7	201.7	203.3	204.9	206.5	206.5	206.5
70°	167.8	169.4	172.6	174.3	175.9	175.9	177.5	179.1	180.7	179.1
72.5°	142.0	143.6	146.8	148.4	148.4	150.1	150.1	151.7	153.3	153.3
75°	116.2	119.4	121.0	122.6	124.2	124.2	125.8	127.5	127.5	127.5
77.5°	92.0	95.2	96.8	98.4	100.0	100.0	101.6	101.6	103.3	101.6
80°	71.0	72.6	74.2	75.8	77.4	77.4	79.1	80.7	80.7	80.7
82.5°	51.6	53.2	56.5	58.1	58.1	58.1	61.3	61.3	62.9	61.3
85°	35.5	37.1	40.3	41.9	43.6	43.6	43.6	45.2	46.8	45.2
87.5°	22.6	25.8	27.4	29.0	29.0	29.0	30.7	32.3	32.3	32.3
90°	12.9	12.9	14.5	16.1	16.1	17.7	17.7	19.4	19.4	19.4
92.5°	12.9	14.5	14.5	14.5	16.1	16.1	16.1	17.7	17.7	17.7
95°	109.7	79.1	45.2	35.5	30.7	30.7	29.0	30.7	29.0	29.0
97.5°	332.4	359.8	372.7	390.5	400.1	398.5	392.1	398.5	393.7	398.5
100°	472.7	498.6	517.9	522.8	532.4	537.3	555.0	567.9	574.4	582.5
102.5°	587.3	618.0	640.5	653.5	663.1	669.6	690.6	709.9	719.6	726.1
105°	692.2	724.4	751.9	764.8	776.1	782.5	805.1	827.7	842.2	850.3
107.5°	776.1	813.2	842.2	861.6	872.9	884.2	911.6	934.2	951.9	960.0
110°	851.9	889.0	919.7	942.3	955.2	966.5	997.1	1022.9	1042.3	1052.0





TEST NUMBER: P395478

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	914.8	955.2	985.8	1010.0	1022.9	1039.1	1068.1	1097.2	1116.5	1127.8
115°	966.5	1008.4	1040.7	1066.5	1081.0	1095.5	1129.4	1158.5	1177.8	1185.9
117.5°	1010.0	1052.0	1085.9	1111.7	1127.8	1143.9	1177.8	1203.6	1224.6	1231.1
120°	1045.5	1087.5	1121.4	1150.4	1166.5	1181.1	1213.3	1240.7	1260.1	1265.0
122.5°	1069.7	1113.3	1148.8	1181.1	1195.6	1210.1	1240.7	1268.2	1285.9	1290.8
125°	1087.5	1132.6	1168.1	1202.0	1216.5	1231.1	1260.1	1287.5	1302.1	1308.5
127.5°	1098.8	1143.9	1182.7	1214.9	1231.1	1244.0	1273.0	1297.2	1311.7	1316.6
130°	1102.0	1148.8	1187.5	1221.4	1235.9	1248.8	1276.2	1300.4	1313.4	1316.6
132.5°	1102.0	1147.2	1187.5	1219.8	1234.3	1247.2	1273.0	1295.6	1308.5	1311.7
135°	1095.5	1139.1	1179.4	1211.7	1226.2	1239.1	1265.0	1284.3	1297.2	1298.8
137.5°	1084.2	1126.2	1164.9	1197.2	1211.7	1224.6	1247.2	1268.2	1279.5	1282.7
140°	1069.7	1108.4	1147.2	1177.8	1192.3	1203.6	1226.2	1244.0	1255.3	1258.5
142.5°	1050.4	1089.1	1124.6	1155.2	1166.5	1179.4	1198.8	1216.5	1226.2	1229.5
145°	1029.4	1066.5	1098.8	1126.2	1139.1	1150.4	1168.1	1184.3	1194.0	1197.2
147.5°	1002.0	1039.1	1069.7	1095.5	1106.8	1118.1	1134.3	1148.8	1158.5	1161.7
150°	968.1	1002.0	1034.2	1058.4	1069.7	1081.0	1097.2	1110.1	1119.7	1121.4
152.5°	934.2	966.5	993.9	1018.1	1029.4	1040.7	1055.2	1068.1	1079.4	1079.4
155°	901.9	929.4	955.2	976.1	985.8	995.5	1010.0	1021.3	1031.0	1031.0
157.5°	868.0	893.9	914.8	934.2	942.3	950.3	963.2	972.9	981.0	979.4
160°	835.8	855.1	874.5	890.6	898.7	905.1	914.8	922.9	931.0	929.4
162.5°	800.3	818.0	834.2	845.5	851.9	856.7	866.4	874.5	879.3	879.3
165°	759.9	776.1	790.6	801.9	808.3	811.6	819.6	824.5	829.3	829.3
167.5°	718.0	730.9	743.8	753.5	759.9	763.2	771.2	774.5	780.9	779.3
170°	676.0	685.7	695.4	703.5	706.7	709.9	716.4	719.6	722.8	722.8
172.5°	642.2	645.4	650.2	656.7	656.7	658.3	661.5	663.1	664.7	664.7
175°	622.8	624.4	624.4	624.4	624.4	624.4	626.0	624.4	626.0	624.4
177.5°	614.7	614.7	613.1	613.1	611.5	613.1	611.5	609.9	609.9	608.3
180°	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5

(END OF REPORT)