

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: P395479

Luminaire Tested: **I3-CL-80L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395479  
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 (3500K)  
Description: CORELITE I3, CLEAR TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6297.5 lumens  
Efficiency: N/A  
Efficacy: 100.9 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

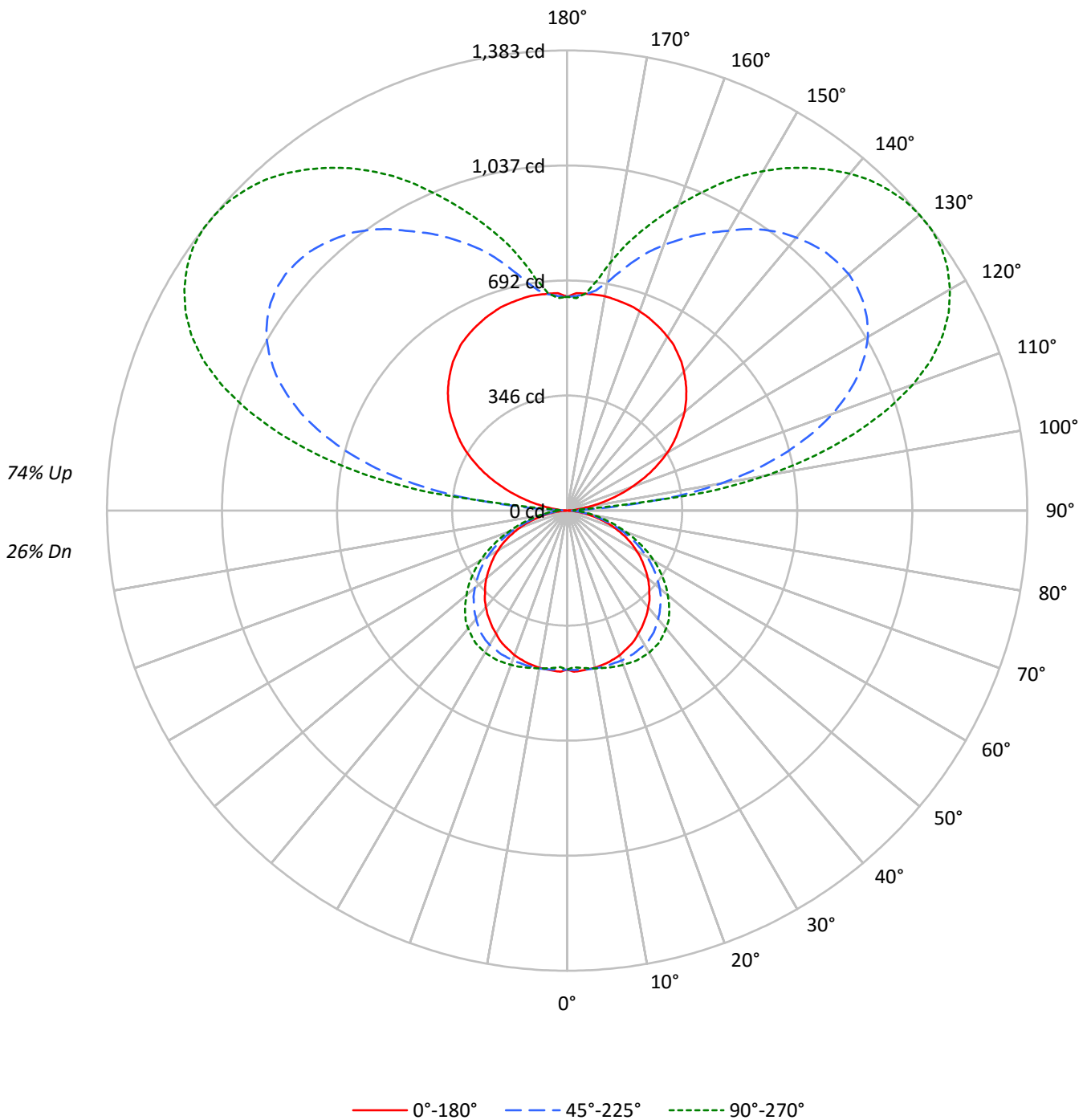
Input Watts (W): 62.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2627	2627	2627
5°	2655	2586	2544
10°	2657	2566	2537
15°	2660	2557	2550
20°	2665	2558	2572
25°	2661	2560	2606
30°	2645	2564	2625
35°	2639	2550	2628
40°	2630	2496	2594
45°	2603	2435	2529
50°	2579	2355	2416
55°	2526	2237	2277
60°	2463	2079	2102
65°	2363	1867	1863
70°	2194	1590	1578
75°	1895	1264	1267
80°	1469	899	928
85°	861	556	621



TEST NUMBER: P395479

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.7	0.7
10°-20°	135.8	2.2
20°-30°	217.8	3.5
30°-40°	278.6	4.4
40°-50°	303.7	4.8
50°-60°	284.6	4.5
60°-70°	220.8	3.5
70°-80°	126.5	2.0
80°-90°	40.5	0.6
90°-100°	162.4	2.6
100°-110°	631.4	10.0
110°-120°	859.6	13.6
120°-130°	892.3	14.2
130°-140°	791.5	12.6
140°-150°	614.1	9.8
150°-160°	409.9	6.5
160°-170°	218.4	3.5
170°-180°	63.9	1.0
0°-30°	399.4	6.3
0°-40°	677.9	10.8
0°-60°	1266.2	20.1
0°-90°	1654.0	26.3
90°-120°	1653.4	26.3
90°-150°	3951.3	62.7
90°-180°	4644.0	73.7
0°-180°	6297.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	483	478	480	478	474	46
15°	473	471	481	488	488	134
25°	447	451	474	491	496	206
35°	405	414	451	474	483	254
45°	349	364	396	422	434	270
55°	280	295	322	344	351	250
65°	198	207	225	241	246	195
75°	103	108	119	130	134	110
85°	20	24	36	46	47	24
90°	2	5	12	17	20	2
95°	20	115	158	32	30	27
105°	134	405	686	815	893	143
115°	280	625	966	1135	1246	276
125°	405	737	1088	1278	1374	362
135°	507	776	1098	1288	1364	391
145°	578	776	1030	1196	1257	362
155°	622	734	913	1035	1083	287
165°	647	674	776	849	871	183
175°	654	651	652	656	656	62
180°	642	642	642	642	642	



TEST NUMBER: P395479

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	484.7	483.0	483.0	479.6	479.6	477.9	477.9	477.9	477.9	477.9	479.6
5°	483.0	483.0	481.3	479.6	479.6	477.9	477.9	477.9	477.9	477.9	479.6
7.5°	481.3	481.3	479.6	477.9	477.9	477.9	477.9	477.9	477.9	477.9	481.3
10°	479.6	479.6	477.9	476.2	476.2	476.2	476.2	477.9	477.9	477.9	481.3
12.5°	476.2	474.5	474.5	472.8	472.8	472.8	474.5	474.5	476.2	477.9	481.3
15°	472.8	472.8	471.1	469.4	471.1	471.1	471.1	472.8	474.5	476.2	481.3
17.5°	467.7	467.7	466.0	466.0	466.0	467.7	467.7	469.4	472.8	476.2	479.6
20°	462.6	460.9	460.9	460.9	462.6	462.6	464.3	467.7	469.4	474.5	479.6
22.5°	454.2	455.9	454.2	454.2	455.9	457.5	459.2	462.6	466.0	471.1	476.2
25°	447.4	447.4	447.4	447.4	450.8	450.8	454.2	457.5	462.6	467.7	474.5
27.5°	438.9	438.9	438.9	440.6	442.3	444.0	445.7	450.8	455.9	462.6	469.4
30°	427.0	427.0	427.0	427.0	432.1	433.8	437.2	444.0	449.1	457.5	466.0
32.5°	416.9	416.9	416.9	418.6	422.0	423.7	427.0	435.5	442.3	450.8	459.2
35°	405.0	405.0	406.7	406.7	411.8	413.5	416.9	423.7	430.4	440.6	450.8
37.5°	393.2	393.2	394.8	396.5	399.9	403.3	406.7	413.5	420.3	428.7	438.9
40°	379.6	379.6	381.3	383.0	388.1	391.5	394.8	401.6	408.4	416.9	425.4
42.5°	366.0	366.0	367.7	369.4	374.5	377.9	381.3	389.8	396.5	405.0	411.8
45°	349.1	350.8	352.5	355.9	361.0	364.3	367.7	374.5	383.0	389.8	396.5
47.5°	333.8	335.5	337.2	340.6	345.7	349.1	352.5	359.3	366.0	372.8	381.3
50°	316.9	318.6	320.3	323.7	328.8	332.1	335.5	342.3	349.1	354.2	362.6
52.5°	298.3	299.9	301.6	305.0	311.8	313.5	316.9	323.7	328.8	335.5	342.3
55°	279.6	281.3	283.0	286.4	291.5	294.9	296.6	303.3	308.4	315.2	322.0
57.5°	261.0	262.7	264.4	267.8	271.1	274.5	276.2	281.3	288.1	293.2	299.9
60°	240.6	242.3	244.0	245.7	250.8	252.5	254.2	259.3	264.4	271.1	276.2
62.5°	220.3	220.3	222.0	223.7	228.8	230.5	232.2	235.6	242.3	245.7	250.8
65°	198.3	198.3	200.0	201.7	205.0	206.7	208.4	211.8	216.9	220.3	225.4
67.5°	174.5	174.5	176.2	177.9	181.3	183.0	183.0	188.1	191.5	194.9	198.3
70°	152.5	152.5	154.2	154.2	155.9	157.6	159.3	162.7	164.4	169.5	171.2
72.5°	128.8	128.8	128.8	128.8	132.2	132.2	133.9	137.3	139.0	142.3	145.7
75°	103.4	103.4	105.1	105.1	106.8	108.5	110.2	111.8	115.2	116.9	118.6
77.5°	81.3	79.6	81.3	83.0	84.7	84.7	86.4	88.1	89.8	93.2	94.9
80°	57.6	57.6	57.6	59.3	61.0	61.0	62.7	64.4	66.1	69.5	71.2
82.5°	37.3	37.3	39.0	39.0	40.7	42.4	42.4	44.1	45.8	49.1	50.8
85°	20.3	20.3	20.3	22.0	23.7	23.7	25.4	27.1	30.5	32.2	35.6
87.5°	6.8	6.8	8.5	10.2	11.9	11.9	13.6	15.3	16.9	20.3	22.0
90°	1.7	1.7	1.7	3.4	3.4	5.1	5.1	6.8	8.5	10.2	11.9
92.5°	6.8	11.9	18.6	27.1	25.4	27.1	18.6	11.9	11.9	11.9	13.6
95°	20.3	30.5	49.1	78.0	101.7	115.2	127.1	139.0	162.7	164.4	157.6
97.5°	40.7	55.9	89.8	127.1	169.5	191.5	208.4	244.0	281.3	305.0	333.8
100°	67.8	89.8	133.9	184.7	233.9	262.7	289.8	340.6	386.4	427.0	471.1
102.5°	100.0	125.4	179.6	242.3	303.3	335.5	364.3	423.7	486.4	540.6	588.0
105°	133.9	162.7	227.1	298.3	367.7	405.0	440.6	505.0	571.1	630.4	686.3
107.5°	171.2	201.7	271.1	350.8	428.7	471.1	510.1	579.6	649.0	713.4	772.7
110°	206.7	240.6	313.5	399.9	488.1	530.4	569.4	645.7	718.5	786.3	849.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	244.0	279.6	352.5	447.4	537.2	581.3	621.9	703.3	779.5	849.0	911.7
115°	279.6	313.5	389.8	488.1	579.6	625.3	669.4	752.4	832.1	901.5	965.9
117.5°	313.5	345.7	423.7	521.9	616.8	662.6	706.7	793.1	872.7	945.6	1008.3
120°	347.4	376.2	460.9	550.8	647.3	693.1	738.9	825.3	906.6	979.5	1043.9
122.5°	377.9	405.0	488.1	576.2	671.1	718.5	762.6	850.7	933.7	1006.6	1069.3
125°	405.0	430.4	513.5	596.5	691.4	737.2	782.9	869.3	952.4	1023.6	1087.9
127.5°	432.1	457.5	532.1	616.8	705.0	752.4	796.5	882.9	964.2	1037.1	1099.8
130°	460.9	479.6	550.8	635.5	718.5	762.6	808.3	891.4	971.0	1042.2	1104.9
132.5°	484.7	501.6	569.4	650.7	728.7	771.1	811.7	894.8	974.4	1042.2	1103.2
135°	506.7	520.3	583.0	664.3	737.2	776.1	815.1	893.1	971.0	1038.8	1098.1
137.5°	527.0	540.6	594.8	674.5	743.9	777.8	815.1	888.0	962.5	1030.3	1086.3
140°	545.7	555.8	605.0	679.5	747.3	779.5	811.7	879.5	949.0	1015.1	1071.0
142.5°	564.3	572.8	613.5	682.9	749.0	779.5	810.0	869.3	933.7	998.1	1054.1
145°	577.9	586.3	620.2	684.6	747.3	776.1	803.3	859.2	916.8	976.1	1030.3
147.5°	593.1	599.9	627.0	681.2	742.2	769.4	794.8	845.6	898.2	952.4	1003.2
150°	603.3	610.1	630.4	677.9	733.8	759.2	784.6	832.1	879.5	927.0	971.0
152.5°	613.5	618.5	635.5	672.8	723.6	747.3	771.1	816.8	860.9	903.2	942.2
155°	621.9	627.0	638.9	669.4	711.7	733.8	755.8	799.9	840.5	877.8	913.4
157.5°	630.4	633.8	642.3	664.3	698.2	718.5	738.9	777.8	815.1	852.4	881.2
160°	637.2	638.9	645.7	662.6	686.3	701.6	720.2	755.8	789.7	821.9	849.0
162.5°	644.0	644.0	649.0	659.2	676.2	686.3	699.9	730.4	760.9	789.7	815.1
165°	647.3	647.3	650.7	657.5	667.7	674.5	682.9	703.3	727.0	752.4	776.1
167.5°	650.7	650.7	652.4	655.8	662.6	666.0	669.4	682.9	698.2	716.8	735.5
170°	654.1	652.4	652.4	655.8	657.5	659.2	660.9	667.7	674.5	686.3	696.5
172.5°	654.1	652.4	652.4	654.1	654.1	654.1	654.1	655.8	657.5	664.3	667.7
175°	654.1	652.4	652.4	652.4	652.4	650.7	650.7	650.7	650.7	650.7	652.4
177.5°	654.1	652.4	650.7	650.7	649.0	649.0	647.3	647.3	645.7	645.7	645.7
180°	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	479.6	479.6	477.9	477.9	476.2	476.2	474.5	472.8	471.1	471.1
5°	481.3	479.6	477.9	477.9	477.9	476.2	476.2	476.2	474.5	474.5
7.5°	481.3	481.3	481.3	479.6	479.6	479.6	479.6	479.6	477.9	477.9
10°	483.0	483.0	483.0	483.0	483.0	483.0	483.0	481.3	481.3	481.3
12.5°	483.0	483.0	483.0	484.7	484.7	484.7	484.7	484.7	484.7	484.7
15°	484.7	484.7	486.4	486.4	488.1	488.1	489.7	489.7	489.7	488.1
17.5°	483.0	484.7	486.4	488.1	489.7	489.7	491.4	491.4	491.4	491.4
20°	483.0	486.4	488.1	489.7	491.4	491.4	493.1	494.8	494.8	493.1
22.5°	481.3	484.7	486.4	489.7	491.4	491.4	494.8	494.8	494.8	494.8
25°	479.6	483.0	486.4	489.7	491.4	491.4	494.8	494.8	496.5	496.5
27.5°	476.2	479.6	484.7	488.1	489.7	491.4	493.1	494.8	494.8	494.8
30°	471.1	476.2	481.3	484.7	486.4	488.1	489.7	491.4	493.1	493.1
32.5°	464.3	469.4	474.5	479.6	481.3	483.0	486.4	488.1	488.1	488.1
35°	457.5	462.6	467.7	472.8	474.5	476.2	479.6	481.3	483.0	483.0
37.5°	447.4	452.5	457.5	462.6	464.3	467.7	471.1	472.8	472.8	472.8
40°	432.1	440.6	447.4	452.5	454.2	457.5	459.2	462.6	462.6	462.6
42.5°	418.6	425.4	430.4	437.2	438.9	444.0	447.4	449.1	450.8	450.8
45°	403.3	410.1	415.2	420.3	422.0	425.4	428.7	430.4	432.1	433.8
47.5°	388.1	393.2	398.2	403.3	405.0	408.4	411.8	413.5	415.2	415.2
50°	369.4	374.5	379.6	384.7	386.4	389.8	391.5	393.2	394.8	394.8
52.5°	349.1	354.2	359.3	364.3	366.0	367.7	371.1	372.8	374.5	374.5
55°	328.8	333.8	337.2	342.3	344.0	345.7	347.4	350.8	352.5	350.8
57.5°	305.0	310.1	313.5	318.6	320.3	322.0	323.7	325.4	327.1	327.1
60°	279.6	284.7	289.8	293.2	294.9	296.6	298.3	299.9	301.6	301.6
62.5°	254.2	259.3	262.7	267.8	269.4	269.4	271.1	272.8	274.5	274.5
65°	228.8	233.9	235.6	240.6	240.6	242.3	244.0	245.7	245.7	245.7
67.5°	201.7	206.7	208.4	211.8	211.8	213.5	215.2	216.9	216.9	216.9
70°	176.2	177.9	181.3	183.0	184.7	184.7	186.4	188.1	189.8	188.1
72.5°	149.1	150.8	154.2	155.9	155.9	157.6	157.6	159.3	161.0	161.0
75°	122.0	125.4	127.1	128.8	130.5	130.5	132.2	133.9	133.9	133.9
77.5°	96.6	100.0	101.7	103.4	105.1	105.1	106.8	106.8	108.5	106.8
80°	74.6	76.3	78.0	79.6	81.3	81.3	83.0	84.7	84.7	84.7
82.5°	54.2	55.9	59.3	61.0	61.0	61.0	64.4	64.4	66.1	64.4
85°	37.3	39.0	42.4	44.1	45.8	45.8	45.8	47.4	49.1	47.4
87.5°	23.7	27.1	28.8	30.5	30.5	30.5	32.2	33.9	33.9	33.9
90°	13.6	13.6	15.3	16.9	16.9	18.6	18.6	20.3	20.3	20.3
92.5°	13.6	15.3	15.3	15.3	16.9	16.9	16.9	18.6	18.6	18.6
95°	115.2	83.0	47.4	37.3	32.2	32.2	30.5	32.2	30.5	30.5
97.5°	349.1	377.9	391.5	410.1	420.3	418.6	411.8	418.6	413.5	418.6
100°	496.5	523.6	544.0	549.1	559.2	564.3	583.0	596.5	603.3	611.8
102.5°	616.8	649.0	672.8	686.3	696.5	703.3	725.3	745.6	755.8	762.6
105°	727.0	760.9	789.7	803.3	815.1	821.9	845.6	869.3	884.6	893.1
107.5°	815.1	854.1	884.6	904.9	916.8	928.7	957.5	981.2	999.8	1008.3
110°	894.8	933.7	965.9	989.7	1003.2	1015.1	1047.3	1074.4	1094.7	1104.9





TEST NUMBER: P395479

CATALOG NUMBER: I3-CL-80L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	960.9	1003.2	1035.4	1060.8	1074.4	1091.3	1121.8	1152.3	1172.7	1184.5
115°	1015.1	1059.1	1093.0	1120.1	1135.4	1150.7	1186.2	1216.7	1237.1	1245.6
117.5°	1060.8	1104.9	1140.5	1167.6	1184.5	1201.5	1237.1	1264.2	1286.2	1293.0
120°	1098.1	1142.2	1177.8	1208.3	1225.2	1240.5	1274.4	1303.2	1323.5	1328.6
122.5°	1123.5	1169.3	1206.6	1240.5	1255.7	1271.0	1303.2	1332.0	1350.6	1355.7
125°	1142.2	1189.6	1226.9	1262.5	1277.7	1293.0	1323.5	1352.3	1367.6	1374.3
127.5°	1154.0	1201.5	1242.2	1276.1	1293.0	1306.6	1337.1	1362.5	1377.7	1382.8
130°	1157.4	1206.6	1247.2	1282.8	1298.1	1311.6	1340.4	1365.9	1379.4	1382.8
132.5°	1157.4	1204.9	1247.2	1281.1	1296.4	1309.9	1337.1	1360.8	1374.3	1377.7
135°	1150.7	1196.4	1238.8	1272.7	1287.9	1301.5	1328.6	1348.9	1362.5	1364.2
137.5°	1138.8	1182.8	1223.5	1257.4	1272.7	1286.2	1309.9	1332.0	1343.8	1347.2
140°	1123.5	1164.2	1204.9	1237.1	1252.3	1264.2	1287.9	1306.6	1318.4	1321.8
142.5°	1103.2	1143.9	1181.2	1213.4	1225.2	1238.8	1259.1	1277.7	1287.9	1291.3
145°	1081.2	1120.1	1154.0	1182.8	1196.4	1208.3	1226.9	1243.9	1254.0	1257.4
147.5°	1052.4	1091.3	1123.5	1150.7	1162.5	1174.4	1191.3	1206.6	1216.7	1220.1
150°	1016.8	1052.4	1086.3	1111.7	1123.5	1135.4	1152.3	1165.9	1176.1	1177.8
152.5°	981.2	1015.1	1043.9	1069.3	1081.2	1093.0	1108.3	1121.8	1133.7	1133.7
155°	947.3	976.1	1003.2	1025.2	1035.4	1045.6	1060.8	1072.7	1082.9	1082.9
157.5°	911.7	938.8	960.9	981.2	989.7	998.1	1011.7	1021.9	1030.3	1028.6
160°	877.8	898.2	918.5	935.4	943.9	950.7	960.9	969.3	977.8	976.1
162.5°	840.5	859.2	876.1	888.0	894.8	899.8	910.0	918.5	923.6	923.6
165°	798.2	815.1	830.4	842.2	849.0	852.4	860.9	866.0	871.0	871.0
167.5°	754.1	767.7	781.2	791.4	798.2	801.6	810.0	813.4	820.2	818.5
170°	710.0	720.2	730.4	738.9	742.2	745.6	752.4	755.8	759.2	759.2
172.5°	674.5	677.9	682.9	689.7	689.7	691.4	694.8	696.5	698.2	698.2
175°	654.1	655.8	655.8	655.8	655.8	655.8	657.5	655.8	657.5	655.8
177.5°	645.7	645.7	644.0	644.0	642.3	644.0	642.3	640.6	640.6	638.9
180°	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3	642.3

(END OF REPORT)