

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: P395635

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

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-80L92765-1D-UNV-W2A-W-4 (3500K)  
Description: CORELITE I3, FROSTED 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: 6214.1 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

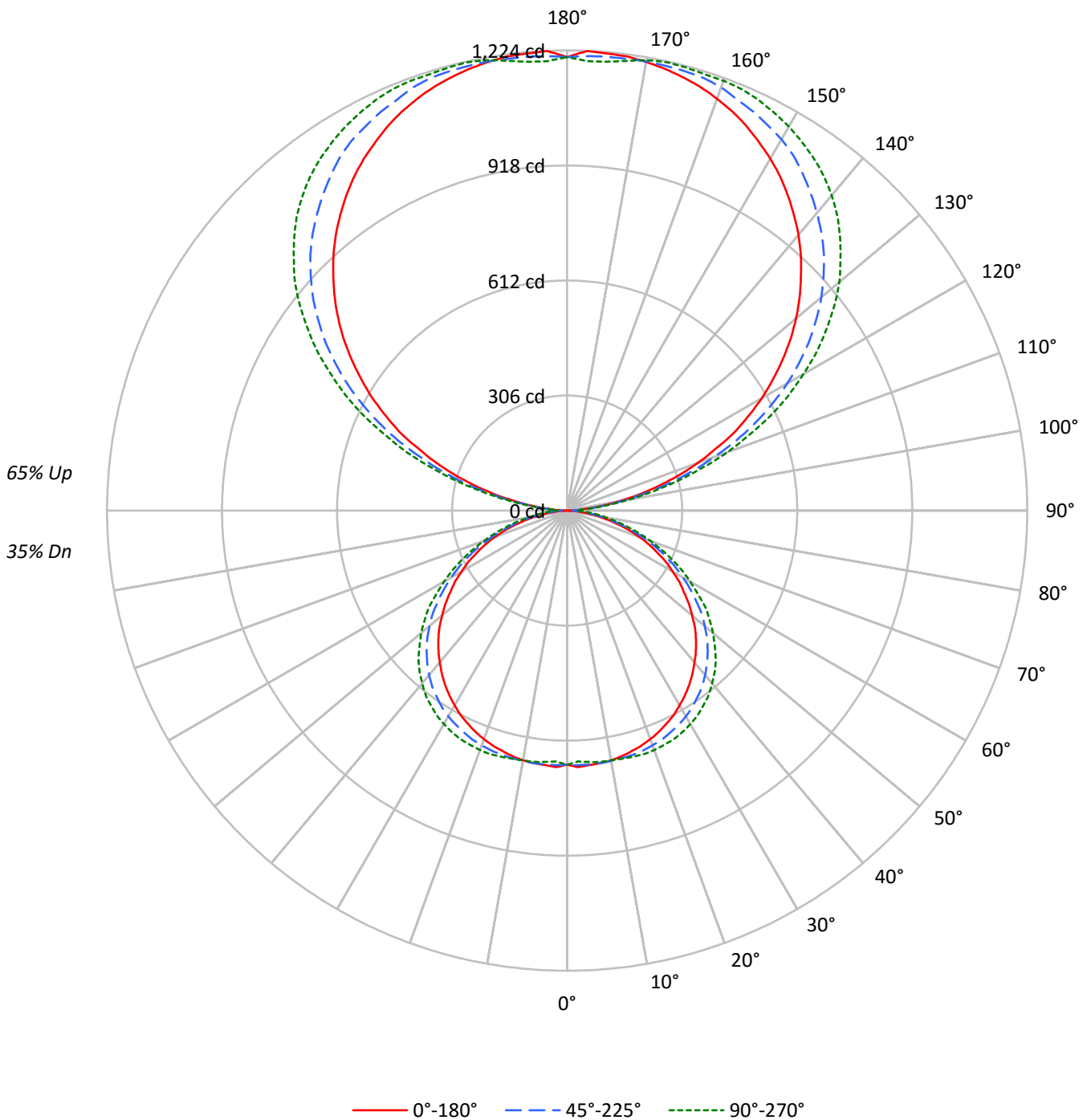
Input Watts (W): 62.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395635

CATALOG NUMBER: I3-FL-80L92765-1D-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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3716	3716	3716
5°	3735	3655	3598
10°	3736	3605	3555
15°	3728	3573	3541
20°	3728	3543	3536
25°	3718	3511	3522
30°	3706	3478	3490
35°	3688	3423	3439
40°	3651	3350	3364
45°	3613	3247	3260
50°	3530	3103	3101
55°	3429	2908	2916
60°	3314	2679	2634
65°	3151	2401	2339
70°	2925	2046	1975
75°	2547	1626	1572
80°	1989	1155	1151
85°	1078	662	755



TEST NUMBER: P395635

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.5	1.0
10°-20°	189.6	3.1
20°-30°	299.0	4.8
30°-40°	375.8	6.0
40°-50°	404.1	6.5
50°-60°	371.7	6.0
60°-70°	284.7	4.6
70°-80°	162.2	2.6
80°-90°	50.6	0.8
90°-100°	67.7	1.1
100°-110°	294.5	4.7
110°-120°	539.1	8.7
120°-130°	695.0	11.2
130°-140°	739.5	11.9
140°-150°	680.3	10.9
150°-160°	539.0	8.7
160°-170°	341.3	5.5
170°-180°	115.6	1.9
0°-30°	553.1	8.9
0°-40°	928.9	14.9
0°-60°	1704.6	27.4
0°-90°	2202.2	35.4
90°-120°	901.4	14.5
90°-150°	3016.1	48.5
90°-180°	4012.0	64.6
0°-180°	6214.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	680	673	678	674	671	65
15°	663	659	673	678	678	187
25°	625	627	651	666	671	288
35°	566	573	605	625	632	354
45°	485	496	529	551	559	373
55°	380	395	419	441	449	340
65°	264	273	290	303	308	262
75°	139	142	152	161	166	147
85°	25	32	42	54	58	32
90°	2	5	15	22	25	4
95°	46	44	49	56	58	57
105°	249	261	281	298	303	265
115°	490	512	552	581	596	480
125°	700	730	786	825	842	625
135°	880	908	966	1007	1027	679
145°	1024	1046	1093	1125	1144	641
155°	1129	1142	1171	1195	1205	520
165°	1193	1193	1210	1218	1220	337
175°	1220	1212	1212	1206	1198	116
180°	1206	1206	1206	1206	1206	



TEST NUMBER: P395635

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1
2.5°	682.9	681.2	679.5	676.1	676.1	674.4	674.4	674.4	674.4	676.1	677.8
5°	679.5	679.5	677.8	674.4	674.4	672.7	672.7	674.4	672.7	674.4	677.8
7.5°	677.8	677.8	676.1	672.7	672.7	672.7	672.7	672.7	672.7	674.4	677.8
10°	674.4	674.4	671.1	669.4	669.4	669.4	669.4	671.1	671.1	672.7	676.1
12.5°	669.4	667.7	666.0	664.3	664.3	664.3	666.0	667.7	667.7	671.1	674.4
15°	662.6	662.6	660.9	659.2	659.2	659.2	660.9	662.6	664.3	667.7	672.7
17.5°	655.8	655.8	654.1	654.1	654.1	654.1	655.8	657.5	660.9	664.3	669.4
20°	647.3	647.3	645.6	645.6	645.6	647.3	647.3	650.7	654.1	659.2	664.3
22.5°	637.2	637.2	637.2	635.5	637.2	638.9	640.6	643.9	647.3	652.4	659.2
25°	625.3	625.3	625.3	625.3	627.0	627.0	630.4	633.8	637.2	643.9	650.7
27.5°	613.4	613.4	613.4	611.7	615.1	616.8	618.5	623.6	627.0	635.5	642.2
30°	598.2	598.2	598.2	599.9	601.6	603.3	606.7	611.7	615.1	623.6	632.1
32.5°	582.9	582.9	582.9	582.9	588.0	589.7	591.4	596.5	603.3	611.7	620.2
35°	566.0	566.0	566.0	567.7	571.1	572.8	576.2	581.2	588.0	596.5	605.0
37.5°	547.3	549.0	549.0	550.7	554.1	557.5	560.9	566.0	572.8	581.2	589.7
40°	527.0	528.7	528.7	530.4	533.8	537.2	540.6	547.3	554.1	562.6	571.1
42.5°	506.7	508.4	508.4	511.8	515.2	518.5	521.9	528.7	535.5	544.0	550.7
45°	484.6	486.3	486.3	489.7	494.8	496.5	501.6	508.4	515.2	521.9	528.7
47.5°	460.9	462.6	462.6	466.0	471.1	474.5	477.9	484.6	489.7	498.2	505.0
50°	433.8	435.5	437.2	440.6	447.4	450.8	454.1	459.2	466.0	471.1	477.9
52.5°	408.4	408.4	410.1	413.5	418.6	422.0	423.6	428.7	437.2	444.0	450.8
55°	379.6	381.3	383.0	386.4	391.4	394.8	396.5	401.6	406.7	411.8	418.6
57.5°	354.2	354.2	355.9	359.3	364.3	366.0	367.7	371.1	377.9	383.0	388.1
60°	323.7	325.4	327.1	330.4	333.8	337.2	337.2	342.3	347.4	352.5	355.9
62.5°	296.6	296.6	298.2	301.6	303.3	306.7	306.7	311.8	315.2	320.3	323.7
65°	264.4	266.0	267.7	269.4	272.8	272.8	274.5	277.9	281.3	284.7	289.8
67.5°	235.5	235.5	237.2	238.9	240.6	240.6	242.3	245.7	249.1	252.5	255.9
70°	203.3	205.0	205.0	205.0	206.7	208.4	210.1	211.8	215.2	216.9	220.3
72.5°	171.2	171.2	172.8	172.8	174.5	176.2	177.9	179.6	181.3	184.7	186.4
75°	139.0	139.0	140.7	140.7	142.3	142.3	142.3	145.7	147.4	150.8	152.5
77.5°	106.8	108.5	108.5	108.5	110.1	111.8	111.8	113.5	116.9	118.6	120.3
80°	78.0	78.0	78.0	78.0	79.6	81.3	83.0	83.0	86.4	89.8	91.5
82.5°	49.1	49.1	50.8	52.5	52.5	54.2	55.9	57.6	61.0	62.7	64.4
85°	25.4	25.4	27.1	28.8	30.5	32.2	32.2	33.9	37.3	40.7	42.4
87.5°	8.5	10.2	10.2	11.9	13.6	15.3	16.9	18.6	22.0	25.4	27.1
90°	1.7	1.7	1.7	3.4	5.1	5.1	6.8	8.5	10.2	11.9	15.3
92.5°	15.3	15.3	13.6	15.3	15.3	15.3	15.3	16.9	18.6	18.6	22.0
95°	45.8	44.1	44.1	44.1	44.1	44.1	44.1	45.8	47.4	47.4	49.1
97.5°	88.1	88.1	86.4	86.4	88.1	88.1	88.1	89.8	93.2	91.5	94.9
100°	137.3	137.3	135.6	137.3	139.0	140.7	144.0	144.0	147.4	147.4	152.5
102.5°	193.2	193.2	191.5	194.9	196.6	200.0	200.0	203.3	208.4	208.4	215.2
105°	249.1	250.8	250.8	254.2	257.6	261.0	261.0	266.0	272.8	272.8	281.3
107.5°	310.1	311.8	311.8	315.2	318.6	322.0	323.7	330.4	337.2	338.9	349.1
110°	369.4	371.1	372.8	376.2	379.6	384.7	388.1	394.8	403.3	406.7	415.2



TEST NUMBER: P395635

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	425.3	432.1	433.8	438.9	444.0	449.1	452.5	460.9	471.1	476.2	486.3
115°	489.7	493.1	494.8	499.9	506.7	511.8	515.2	523.6	533.8	540.6	552.4
117.5°	542.3	550.7	552.4	557.5	564.3	569.4	572.8	582.9	594.8	603.3	615.1
120°	598.2	605.0	611.7	615.1	620.2	627.0	630.4	640.6	654.1	662.6	676.1
122.5°	649.0	655.8	662.6	667.7	674.4	677.8	682.9	694.8	708.3	718.5	732.1
125°	699.9	708.3	713.4	718.5	727.0	730.4	735.4	747.3	760.9	772.7	786.3
127.5°	749.0	754.1	762.6	765.9	774.4	777.8	782.9	796.5	810.0	821.9	835.4
130°	794.8	801.5	808.3	810.0	820.2	825.3	830.3	842.2	857.5	869.3	882.9
132.5°	838.8	842.2	850.7	855.8	864.2	869.3	874.4	884.6	899.8	911.7	925.2
135°	879.5	882.9	893.0	898.1	903.2	908.3	915.1	925.2	940.5	952.4	965.9
137.5°	920.2	923.5	933.7	938.8	942.2	947.3	952.4	962.5	977.8	989.6	1001.5
140°	957.4	960.8	967.6	974.4	977.8	981.2	986.2	996.4	1010.0	1021.8	1033.7
142.5°	991.3	994.7	1001.5	1008.3	1013.4	1013.4	1018.4	1026.9	1042.2	1054.0	1064.2
145°	1023.5	1025.2	1032.0	1038.8	1045.6	1045.6	1047.2	1055.7	1069.3	1082.8	1093.0
147.5°	1054.0	1055.7	1060.8	1067.6	1072.7	1074.4	1077.8	1081.1	1094.7	1108.3	1120.1
150°	1081.1	1082.8	1086.2	1093.0	1096.4	1099.8	1103.2	1104.9	1115.0	1126.9	1140.5
152.5°	1104.9	1106.6	1109.9	1115.0	1118.4	1121.8	1125.2	1130.3	1135.4	1147.2	1155.7
155°	1128.6	1130.3	1132.0	1137.1	1140.5	1142.1	1143.8	1150.6	1155.7	1162.5	1171.0
157.5°	1148.9	1148.9	1150.6	1154.0	1157.4	1157.4	1159.1	1165.9	1171.0	1177.7	1182.8
160°	1165.9	1165.9	1167.6	1171.0	1171.0	1172.6	1174.3	1179.4	1182.8	1191.3	1198.1
162.5°	1181.1	1179.4	1181.1	1182.8	1182.8	1182.8	1184.5	1187.9	1193.0	1199.8	1206.5
165°	1193.0	1193.0	1193.0	1194.7	1194.7	1193.0	1193.0	1196.4	1199.8	1204.8	1209.9
167.5°	1203.2	1203.2	1201.5	1203.2	1201.5	1201.5	1199.8	1201.5	1203.2	1208.2	1211.6
170°	1211.6	1209.9	1209.9	1209.9	1208.2	1206.5	1206.5	1206.5	1206.5	1209.9	1213.3
172.5°	1218.4	1216.7	1215.0	1215.0	1211.6	1209.9	1209.9	1208.2	1208.2	1209.9	1211.6
175°	1220.1	1218.4	1216.7	1216.7	1213.3	1211.6	1209.9	1209.9	1208.2	1209.9	1211.6
177.5°	1223.5	1221.8	1218.4	1218.4	1215.0	1211.6	1211.6	1209.9	1208.2	1209.9	1209.9
180°	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5



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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1	676.1
2.5°	679.5	679.5	677.8	676.1	676.1	674.4	672.7	671.1	669.4	667.7
5°	679.5	677.8	676.1	676.1	674.4	674.4	674.4	672.7	671.1	671.1
7.5°	679.5	679.5	677.8	676.1	676.1	676.1	676.1	676.1	674.4	674.4
10°	679.5	677.8	677.8	677.8	676.1	677.8	677.8	676.1	676.1	674.4
12.5°	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	677.8	676.1
15°	674.4	676.1	676.1	677.8	677.8	677.8	679.5	679.5	677.8	677.8
17.5°	672.7	674.4	676.1	677.8	677.8	677.8	679.5	679.5	679.5	679.5
20°	669.4	671.1	672.7	674.4	674.4	676.1	676.1	677.8	677.8	677.8
22.5°	662.6	664.3	667.7	669.4	671.1	672.7	674.4	674.4	674.4	674.4
25°	655.8	659.2	660.9	664.3	666.0	667.7	669.4	669.4	669.4	671.1
27.5°	647.3	650.7	655.8	657.5	659.2	660.9	662.6	664.3	664.3	664.3
30°	637.2	642.2	645.6	649.0	650.7	652.4	654.1	654.1	655.8	655.8
32.5°	625.3	630.4	633.8	637.2	638.9	640.6	643.9	643.9	645.6	645.6
35°	610.0	615.1	620.2	623.6	625.3	627.0	630.4	632.1	632.1	632.1
37.5°	594.8	599.9	605.0	610.0	611.7	613.4	616.8	616.8	618.5	618.5
40°	576.2	581.2	586.3	591.4	591.4	594.8	596.5	598.2	599.9	599.9
42.5°	557.5	562.6	566.0	571.1	572.8	574.5	576.2	579.5	579.5	581.2
45°	535.5	540.6	544.0	549.0	550.7	552.4	555.8	557.5	559.2	559.2
47.5°	511.8	515.2	518.5	523.6	527.0	528.7	530.4	532.1	533.8	532.1
50°	484.6	488.0	493.1	498.2	499.9	501.6	505.0	505.0	506.7	506.7
52.5°	455.8	460.9	464.3	469.4	471.1	472.8	476.2	476.2	477.9	477.9
55°	423.6	427.0	430.4	438.9	440.6	442.3	445.7	445.7	447.4	449.1
57.5°	393.1	394.8	399.9	403.3	406.7	406.7	408.4	410.1	411.8	411.8
60°	360.9	362.6	366.0	371.1	371.1	372.8	376.2	376.2	377.9	377.9
62.5°	327.1	330.4	333.8	338.9	337.2	338.9	342.3	342.3	344.0	344.0
65°	293.2	294.9	298.2	301.6	303.3	303.3	305.0	306.7	308.4	308.4
67.5°	257.6	261.0	262.7	267.7	266.0	267.7	269.4	269.4	271.1	271.1
70°	223.7	225.4	228.8	230.5	230.5	232.2	233.9	233.9	233.9	235.5
72.5°	189.8	191.5	193.2	194.9	194.9	196.6	198.3	198.3	200.0	200.0
75°	154.2	157.6	159.3	162.7	161.0	162.7	166.1	166.1	166.1	166.1
77.5°	123.7	125.4	128.8	130.5	130.5	130.5	133.9	132.2	133.9	133.9
80°	93.2	94.9	98.3	100.0	100.0	101.7	103.4	103.4	103.4	105.1
82.5°	66.1	69.5	72.9	74.6	74.6	76.3	78.0	78.0	79.6	79.6
85°	45.8	49.1	52.5	52.5	54.2	55.9	57.6	57.6	57.6	57.6
87.5°	30.5	32.2	33.9	35.6	37.3	37.3	39.0	39.0	40.7	40.7
90°	16.9	18.6	20.3	22.0	22.0	23.7	23.7	25.4	25.4	25.4
92.5°	23.7	23.7	25.4	27.1	27.1	27.1	27.1	28.8	28.8	28.8
95°	50.8	52.5	52.5	55.9	55.9	55.9	57.6	57.6	57.6	57.6
97.5°	98.3	98.3	98.3	101.7	101.7	101.7	103.4	103.4	103.4	105.1
100°	154.2	155.9	155.9	161.0	159.3	162.7	162.7	162.7	162.7	164.4
102.5°	216.9	220.3	222.0	227.1	227.1	227.1	230.5	228.8	230.5	230.5
105°	284.7	288.1	289.8	294.9	298.2	298.2	301.6	299.9	301.6	303.3
107.5°	352.5	357.6	360.9	366.0	369.4	371.1	371.1	372.8	374.5	376.2
110°	422.0	427.0	435.5	440.6	442.3	445.7	447.4	449.1	450.8	454.1





TEST NUMBER: P395635

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	494.8	499.9	506.7	513.5	511.8	516.8	520.2	521.9	523.6	521.9
115°	560.9	567.7	574.5	581.2	581.2	584.6	591.4	593.1	593.1	596.5
117.5°	623.6	632.1	638.9	645.6	647.3	650.7	655.8	660.9	660.9	664.3
120°	684.6	694.8	701.6	708.3	711.7	713.4	718.5	725.3	725.3	725.3
122.5°	742.2	750.7	759.2	765.9	769.3	772.7	776.1	784.6	784.6	788.0
125°	796.5	806.6	815.1	821.9	825.3	828.6	835.4	840.5	842.2	842.2
127.5°	847.3	857.5	865.9	874.4	876.1	879.5	886.3	893.0	894.7	896.4
130°	894.7	904.9	913.4	921.9	925.2	926.9	935.4	940.5	943.9	945.6
132.5°	937.1	947.3	955.7	964.2	967.6	971.0	976.1	984.6	986.2	986.2
135°	976.1	986.2	994.7	1004.9	1006.6	1010.0	1016.7	1021.8	1025.2	1026.9
137.5°	1011.7	1021.8	1032.0	1040.5	1043.9	1045.6	1052.3	1059.1	1062.5	1064.2
140°	1043.9	1054.0	1064.2	1071.0	1072.7	1077.8	1082.8	1089.6	1093.0	1094.7
142.5°	1074.4	1082.8	1091.3	1099.8	1101.5	1104.9	1109.9	1116.7	1120.1	1121.8
145°	1101.5	1109.9	1116.7	1123.5	1125.2	1128.6	1133.7	1138.8	1142.1	1143.8
147.5°	1126.9	1133.7	1140.5	1145.5	1147.2	1150.6	1154.0	1157.4	1160.8	1162.5
150°	1148.9	1152.3	1159.1	1162.5	1164.2	1167.6	1171.0	1174.3	1177.7	1179.4
152.5°	1165.9	1171.0	1174.3	1179.4	1181.1	1182.8	1186.2	1189.6	1193.0	1193.0
155°	1179.4	1184.5	1187.9	1193.0	1194.7	1196.4	1199.8	1201.5	1204.8	1204.8
157.5°	1189.6	1194.7	1198.1	1201.5	1203.2	1204.8	1206.5	1209.9	1213.3	1213.3
160°	1201.5	1203.2	1204.8	1208.2	1208.2	1209.9	1211.6	1213.3	1216.7	1216.7
162.5°	1211.6	1213.3	1209.9	1211.6	1209.9	1211.6	1213.3	1215.0	1216.7	1216.7
165°	1215.0	1218.4	1216.7	1218.4	1218.4	1218.4	1218.4	1220.1	1220.1	1220.1
167.5°	1215.0	1218.4	1216.7	1216.7	1218.4	1218.4	1220.1	1221.8	1221.8	1221.8
170°	1215.0	1216.7	1215.0	1213.3	1215.0	1215.0	1215.0	1216.7	1216.7	1216.7
172.5°	1213.3	1215.0	1211.6	1209.9	1209.9	1209.9	1208.2	1208.2	1206.5	1206.5
175°	1211.6	1211.6	1208.2	1206.5	1206.5	1206.5	1203.2	1201.5	1199.8	1198.1
177.5°	1209.9	1209.9	1204.8	1203.2	1203.2	1201.5	1201.5	1198.1	1198.1	1196.4
180°	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5	1206.5

(END OF REPORT)