

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: P395640

Luminaire Tested: **I3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395640  
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 (6500K)  
Description: CORELITE I3, FROSTED TOP COVER  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6889.3 lumens  
Efficiency: N/A  
Efficacy: 105.7 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

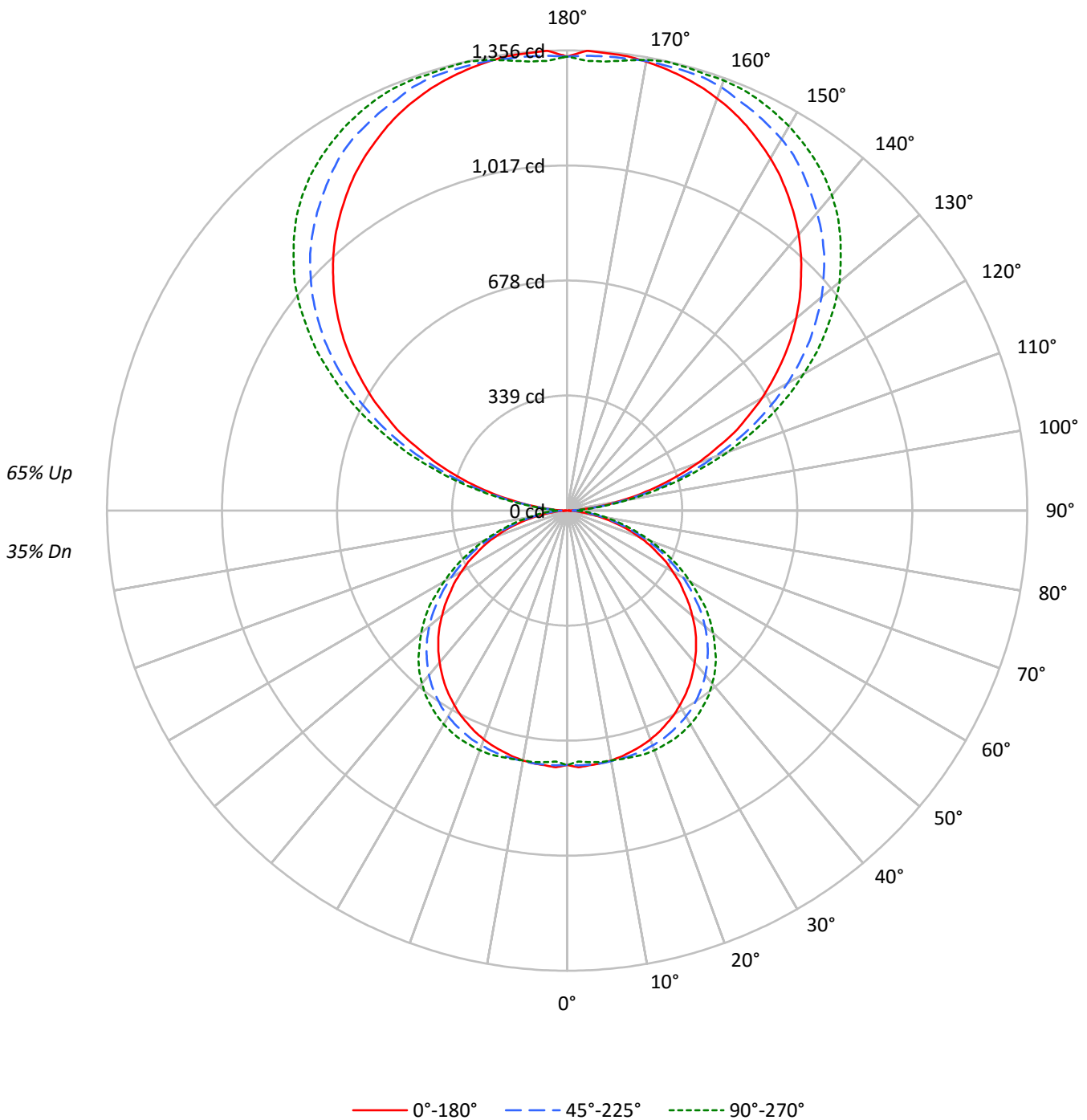
Input Watts (W): 65.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)

### 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°	4120	4120	4120
5°	4141	4052	3989
10°	4142	3996	3941
15°	4133	3962	3926
20°	4134	3927	3920
25°	4122	3893	3905
30°	4108	3856	3870
35°	4089	3794	3812
40°	4048	3714	3729
45°	4006	3599	3615
50°	3914	3441	3438
55°	3801	3223	3232
60°	3674	2970	2919
65°	3493	2662	2593
70°	3243	2268	2190
75°	2824	1803	1742
80°	2203	1280	1276
85°	1196	734	838



TEST NUMBER: P395640

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.5	1.0
10°-20°	210.2	3.1
20°-30°	331.5	4.8
30°-40°	416.6	6.0
40°-50°	448.0	6.5
50°-60°	412.1	6.0
60°-70°	315.7	4.6
70°-80°	179.8	2.6
80°-90°	56.1	0.8
90°-100°	75.1	1.1
100°-110°	326.5	4.7
110°-120°	597.7	8.7
120°-130°	770.5	11.2
130°-140°	819.8	11.9
140°-150°	754.3	10.9
150°-160°	597.5	8.7
160°-170°	378.4	5.5
170°-180°	128.1	1.9
0°-30°	613.2	8.9
0°-40°	1029.8	14.9
0°-60°	1889.8	27.4
0°-90°	2441.4	35.4
90°-120°	999.3	14.5
90°-150°	3343.8	48.5
90°-180°	4448.0	64.6
0°-180°	6889.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	750	750	750	750	750	
5°	753	746	752	748	744	72
15°	735	731	746	752	752	208
25°	693	695	721	738	744	320
35°	628	635	671	693	701	392
45°	537	550	586	611	620	414
55°	421	438	464	488	498	377
65°	293	302	321	336	342	291
75°	154	158	169	178	184	163
85°	28	36	47	60	64	35
90°	2	6	17	24	28	4
95°	51	49	54	62	64	63
105°	276	289	312	331	336	294
115°	543	567	612	644	661	532
125°	776	810	872	915	934	693
135°	975	1007	1071	1116	1138	752
145°	1135	1159	1212	1247	1268	710
155°	1251	1266	1298	1324	1336	577
165°	1323	1323	1341	1351	1353	374
175°	1353	1343	1343	1338	1328	129
180°	1338	1338	1338	1338	1338	



TEST NUMBER: P395640

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6
2.5°	757.1	755.2	753.4	749.6	749.6	747.7	747.7	747.7	747.7	749.6	751.5
5°	753.4	753.4	751.5	747.7	747.7	745.8	745.8	747.7	745.8	747.7	751.5
7.5°	751.5	751.5	749.6	745.8	745.8	745.8	745.8	745.8	745.8	747.7	751.5
10°	747.7	747.7	744.0	742.1	742.1	742.1	742.1	744.0	744.0	745.8	749.6
12.5°	742.1	740.2	738.3	736.4	736.4	736.4	738.3	740.2	740.2	744.0	747.7
15°	734.6	734.6	732.7	730.8	730.8	730.8	732.7	734.6	736.4	740.2	745.8
17.5°	727.1	727.1	725.2	725.2	725.2	725.2	727.1	728.9	732.7	736.4	742.1
20°	717.7	717.7	715.8	715.8	715.8	717.7	717.7	721.4	725.2	730.8	736.4
22.5°	706.4	706.4	706.4	704.5	706.4	708.3	710.1	713.9	717.7	723.3	730.8
25°	693.2	693.2	693.2	693.2	695.1	695.1	698.9	702.6	706.4	713.9	721.4
27.5°	680.1	680.1	680.1	678.2	682.0	683.8	685.7	691.4	695.1	704.5	712.0
30°	663.2	663.2	663.2	665.1	666.9	668.8	672.6	678.2	682.0	691.4	700.7
32.5°	646.3	646.3	646.3	646.3	651.9	653.8	655.7	661.3	668.8	678.2	687.6
35°	627.5	627.5	627.5	629.4	633.1	635.0	638.8	644.4	651.9	661.3	670.7
37.5°	606.8	608.7	608.7	610.6	614.3	618.1	621.8	627.5	635.0	644.4	653.8
40°	584.3	586.1	586.1	588.0	591.8	595.5	599.3	606.8	614.3	623.7	633.1
42.5°	561.7	563.6	563.6	567.4	571.1	574.9	578.6	586.1	593.7	603.1	610.6
45°	537.3	539.2	539.2	542.9	548.6	550.5	556.1	563.6	571.1	578.6	586.1
47.5°	511.0	512.9	512.9	516.6	522.3	526.0	529.8	537.3	542.9	552.3	559.8
50°	480.9	482.8	484.7	488.5	496.0	499.7	503.5	509.1	516.6	522.3	529.8
52.5°	452.8	452.8	454.6	458.4	464.0	467.8	469.7	475.3	484.7	492.2	499.7
55°	420.8	422.7	424.6	428.3	434.0	437.7	439.6	445.2	450.9	456.5	464.0
57.5°	392.6	392.6	394.5	398.3	403.9	405.8	407.7	411.4	418.9	424.6	430.2
60°	358.8	360.7	362.6	366.3	370.1	373.9	373.9	379.5	385.1	390.8	394.5
62.5°	328.8	328.8	330.6	334.4	336.3	340.0	340.0	345.7	349.4	355.1	358.8
65°	293.1	295.0	296.8	298.7	302.5	302.5	304.3	308.1	311.9	315.6	321.3
67.5°	261.1	261.1	263.0	264.9	266.8	266.8	268.7	272.4	276.2	279.9	283.7
70°	225.4	227.3	227.3	227.3	229.2	231.1	233.0	234.8	238.6	240.5	244.2
72.5°	189.7	189.7	191.6	191.6	193.5	195.4	197.3	199.1	201.0	204.8	206.7
75°	154.1	154.1	155.9	155.9	157.8	157.8	157.8	161.6	163.4	167.2	169.1
77.5°	118.4	120.2	120.2	120.2	122.1	124.0	124.0	125.9	129.6	131.5	133.4
80°	86.4	86.4	86.4	86.4	88.3	90.2	92.1	92.1	95.8	99.6	101.4
82.5°	54.5	54.5	56.4	58.2	58.2	60.1	62.0	63.9	67.6	69.5	71.4
85°	28.2	28.2	30.1	31.9	33.8	35.7	35.7	37.6	41.3	45.1	47.0
87.5°	9.4	11.3	11.3	13.2	15.0	16.9	18.8	20.7	24.4	28.2	30.1
90°	1.9	1.9	1.9	3.8	5.6	5.6	7.5	9.4	11.3	13.2	16.9
92.5°	16.9	16.9	15.0	16.9	16.9	16.9	16.9	18.8	20.7	20.7	24.4
95°	50.7	48.8	48.8	48.8	48.8	48.8	48.8	50.7	52.6	52.6	54.5
97.5°	97.7	97.7	95.8	95.8	97.7	97.7	97.7	99.6	103.3	101.4	105.2
100°	152.2	152.2	150.3	152.2	154.1	155.9	159.7	159.7	163.4	163.4	169.1
102.5°	214.2	214.2	212.3	216.0	217.9	221.7	221.7	225.4	231.1	231.1	238.6
105°	276.2	278.0	278.0	281.8	285.6	289.3	289.3	295.0	302.5	302.5	311.9
107.5°	343.8	345.7	345.7	349.4	353.2	357.0	358.8	366.3	373.9	375.7	387.0
110°	409.6	411.4	413.3	417.1	420.8	426.5	430.2	437.7	447.1	450.9	460.3



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CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	471.6	479.1	480.9	486.6	492.2	497.9	501.6	511.0	522.3	527.9	539.2
115°	542.9	546.7	548.6	554.2	561.7	567.4	571.1	580.5	591.8	599.3	612.5
117.5°	601.2	610.6	612.5	618.1	625.6	631.2	635.0	646.3	659.4	668.8	682.0
120°	663.2	670.7	678.2	682.0	687.6	695.1	698.9	710.1	725.2	734.6	749.6
122.5°	719.5	727.1	734.6	740.2	747.7	751.5	757.1	770.3	785.3	796.6	811.6
125°	775.9	785.3	790.9	796.6	806.0	809.7	815.3	828.5	843.5	856.7	871.7
127.5°	830.4	836.0	845.4	849.2	858.6	862.3	868.0	883.0	898.0	911.2	926.2
130°	881.1	888.6	896.1	898.0	909.3	914.9	920.6	933.7	950.6	963.8	978.8
132.5°	929.9	933.7	943.1	948.7	958.1	963.8	969.4	980.7	997.6	1010.7	1025.8
135°	975.0	978.8	990.1	995.7	1001.3	1007.0	1014.5	1025.8	1042.7	1055.8	1070.9
137.5°	1020.1	1023.9	1035.2	1040.8	1044.5	1050.2	1055.8	1067.1	1084.0	1097.2	1110.3
140°	1061.5	1065.2	1072.7	1080.2	1084.0	1087.8	1093.4	1104.7	1119.7	1132.8	1146.0
142.5°	1099.0	1102.8	1110.3	1117.8	1123.5	1123.5	1129.1	1138.5	1155.4	1168.5	1179.8
145°	1134.7	1136.6	1144.1	1151.6	1159.1	1159.1	1161.0	1170.4	1185.5	1200.5	1211.8
147.5°	1168.5	1170.4	1176.1	1183.6	1189.2	1191.1	1194.8	1198.6	1213.6	1228.7	1241.8
150°	1198.6	1200.5	1204.2	1211.8	1215.5	1219.3	1223.0	1224.9	1236.2	1249.3	1264.4
152.5°	1224.9	1226.8	1230.5	1236.2	1239.9	1243.7	1247.4	1253.1	1258.7	1271.9	1281.3
155°	1251.2	1253.1	1255.0	1260.6	1264.4	1266.2	1268.1	1275.6	1281.3	1288.8	1298.2
157.5°	1273.7	1273.7	1275.6	1279.4	1283.1	1283.1	1285.0	1292.5	1298.2	1305.7	1311.3
160°	1292.5	1292.5	1294.4	1298.2	1298.2	1300.1	1301.9	1307.6	1311.3	1320.7	1328.2
162.5°	1309.4	1307.6	1309.4	1311.3	1311.3	1311.3	1313.2	1317.0	1322.6	1330.1	1337.6
165°	1322.6	1322.6	1322.6	1324.5	1324.5	1322.6	1322.6	1326.4	1330.1	1335.7	1341.4
167.5°	1333.9	1333.9	1332.0	1333.9	1332.0	1332.0	1330.1	1332.0	1333.9	1339.5	1343.3
170°	1343.3	1341.4	1341.4	1341.4	1339.5	1337.6	1337.6	1337.6	1337.6	1341.4	1345.1
172.5°	1350.8	1348.9	1347.0	1347.0	1343.3	1341.4	1341.4	1339.5	1339.5	1341.4	1343.3
175°	1352.7	1350.8	1348.9	1348.9	1345.1	1343.3	1341.4	1341.4	1339.5	1341.4	1343.3
177.5°	1356.4	1354.5	1350.8	1350.8	1347.0	1343.3	1343.3	1341.4	1339.5	1341.4	1341.4
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6	749.6
2.5°	753.4	753.4	751.5	749.6	749.6	747.7	745.8	744.0	742.1	740.2
5°	753.4	751.5	749.6	749.6	747.7	747.7	747.7	745.8	744.0	744.0
7.5°	753.4	753.4	751.5	749.6	749.6	749.6	749.6	749.6	747.7	747.7
10°	753.4	751.5	751.5	751.5	749.6	751.5	751.5	749.6	749.6	747.7
12.5°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	749.6
15°	747.7	749.6	749.6	751.5	751.5	751.5	753.4	753.4	751.5	751.5
17.5°	745.8	747.7	749.6	751.5	751.5	751.5	753.4	753.4	753.4	753.4
20°	742.1	744.0	745.8	747.7	747.7	749.6	749.6	751.5	751.5	751.5
22.5°	734.6	736.4	740.2	742.1	744.0	745.8	747.7	747.7	747.7	747.7
25°	727.1	730.8	732.7	736.4	738.3	740.2	742.1	742.1	742.1	744.0
27.5°	717.7	721.4	727.1	728.9	730.8	732.7	734.6	736.4	736.4	736.4
30°	706.4	712.0	715.8	719.5	721.4	723.3	725.2	725.2	727.1	727.1
32.5°	693.2	698.9	702.6	706.4	708.3	710.1	713.9	713.9	715.8	715.8
35°	676.3	682.0	687.6	691.4	693.2	695.1	698.9	700.7	700.7	700.7
37.5°	659.4	665.1	670.7	676.3	678.2	680.1	683.8	683.8	685.7	685.7
40°	638.8	644.4	650.0	655.7	655.7	659.4	661.3	663.2	665.1	665.1
42.5°	618.1	623.7	627.5	633.1	635.0	636.9	638.8	642.5	642.5	644.4
45°	593.7	599.3	603.1	608.7	610.6	612.5	616.2	618.1	620.0	620.0
47.5°	567.4	571.1	574.9	580.5	584.3	586.1	588.0	589.9	591.8	589.9
50°	537.3	541.1	546.7	552.3	554.2	556.1	559.8	559.8	561.7	561.7
52.5°	505.4	511.0	514.8	520.4	522.3	524.2	527.9	527.9	529.8	529.8
55°	469.7	473.4	477.2	486.6	488.5	490.3	494.1	494.1	496.0	497.9
57.5°	435.9	437.7	443.4	447.1	450.9	450.9	452.8	454.6	456.5	456.5
60°	400.2	402.0	405.8	411.4	411.4	413.3	417.1	417.1	418.9	418.9
62.5°	362.6	366.3	370.1	375.7	373.9	375.7	379.5	379.5	381.4	381.4
65°	325.0	326.9	330.6	334.4	336.3	336.3	338.2	340.0	341.9	341.9
67.5°	285.6	289.3	291.2	296.8	295.0	296.8	298.7	298.7	300.6	300.6
70°	248.0	249.9	253.6	255.5	255.5	257.4	259.3	259.3	259.3	261.1
72.5°	210.4	212.3	214.2	216.0	216.0	217.9	219.8	219.8	221.7	221.7
75°	171.0	174.7	176.6	180.4	178.5	180.4	184.1	184.1	184.1	184.1
77.5°	137.1	139.0	142.8	144.7	144.7	144.7	148.4	146.5	148.4	148.4
80°	103.3	105.2	109.0	110.8	110.8	112.7	114.6	114.6	114.6	116.5
82.5°	73.3	77.0	80.8	82.7	82.7	84.5	86.4	86.4	88.3	88.3
85°	50.7	54.5	58.2	58.2	60.1	62.0	63.9	63.9	63.9	63.9
87.5°	33.8	35.7	37.6	39.5	41.3	41.3	43.2	43.2	45.1	45.1
90°	18.8	20.7	22.5	24.4	24.4	26.3	26.3	28.2	28.2	28.2
92.5°	26.3	26.3	28.2	30.1	30.1	30.1	30.1	31.9	31.9	31.9
95°	56.4	58.2	58.2	62.0	62.0	62.0	63.9	63.9	63.9	63.9
97.5°	109.0	109.0	109.0	112.7	112.7	112.7	114.6	114.6	114.6	116.5
100°	171.0	172.8	172.8	178.5	176.6	180.4	180.4	180.4	180.4	182.2
102.5°	240.5	244.2	246.1	251.7	251.7	251.7	255.5	253.6	255.5	255.5
105°	315.6	319.4	321.3	326.9	330.6	330.6	334.4	332.5	334.4	336.3
107.5°	390.8	396.4	400.2	405.8	409.6	411.4	411.4	413.3	415.2	417.1
110°	467.8	473.4	482.8	488.5	490.3	494.1	496.0	497.9	499.7	503.5





TEST NUMBER: P395640

CATALOG NUMBER: I3-FL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	548.6	554.2	561.7	569.2	567.4	573.0	576.8	578.6	580.5	578.6
115°	621.8	629.4	636.9	644.4	644.4	648.1	655.7	657.5	657.5	661.3
117.5°	691.4	700.7	708.3	715.8	717.7	721.4	727.1	732.7	732.7	736.4
120°	759.0	770.3	777.8	785.3	789.0	790.9	796.6	804.1	804.1	804.1
122.5°	822.9	832.3	841.7	849.2	852.9	856.7	860.4	869.8	869.8	873.6
125°	883.0	894.3	903.6	911.2	914.9	918.7	926.2	931.8	933.7	933.7
127.5°	939.3	950.6	960.0	969.4	971.3	975.0	982.6	990.1	991.9	993.8
130°	991.9	1003.2	1012.6	1022.0	1025.8	1027.6	1037.0	1042.7	1046.4	1048.3
132.5°	1038.9	1050.2	1059.6	1069.0	1072.7	1076.5	1082.1	1091.5	1093.4	1093.4
135°	1082.1	1093.4	1102.8	1114.1	1115.9	1119.7	1127.2	1132.8	1136.6	1138.5
137.5°	1121.6	1132.8	1144.1	1153.5	1157.3	1159.1	1166.7	1174.2	1177.9	1179.8
140°	1157.3	1168.5	1179.8	1187.3	1189.2	1194.8	1200.5	1208.0	1211.8	1213.6
142.5°	1191.1	1200.5	1209.9	1219.3	1221.1	1224.9	1230.5	1238.1	1241.8	1243.7
145°	1221.1	1230.5	1238.1	1245.6	1247.4	1251.2	1256.8	1262.5	1266.2	1268.1
147.5°	1249.3	1256.8	1264.4	1270.0	1271.9	1275.6	1279.4	1283.1	1286.9	1288.8
150°	1273.7	1277.5	1285.0	1288.8	1290.7	1294.4	1298.2	1301.9	1305.7	1307.6
152.5°	1292.5	1298.2	1301.9	1307.6	1309.4	1311.3	1315.1	1318.8	1322.6	1322.6
155°	1307.6	1313.2	1317.0	1322.6	1324.5	1326.4	1330.1	1332.0	1335.7	1335.7
157.5°	1318.8	1324.5	1328.2	1332.0	1333.9	1335.7	1337.6	1341.4	1345.1	1345.1
160°	1332.0	1333.9	1335.7	1339.5	1339.5	1341.4	1343.3	1345.1	1348.9	1348.9
162.5°	1343.3	1345.1	1341.4	1343.3	1341.4	1343.3	1345.1	1347.0	1348.9	1348.9
165°	1347.0	1350.8	1348.9	1350.8	1350.8	1350.8	1350.8	1352.7	1352.7	1352.7
167.5°	1347.0	1350.8	1348.9	1348.9	1350.8	1350.8	1352.7	1354.5	1354.5	1354.5
170°	1347.0	1348.9	1347.0	1345.1	1347.0	1347.0	1347.0	1348.9	1348.9	1348.9
172.5°	1345.1	1347.0	1343.3	1341.4	1341.4	1341.4	1339.5	1339.5	1337.6	1337.6
175°	1343.3	1343.3	1339.5	1337.6	1337.6	1337.6	1333.9	1332.0	1330.1	1328.2
177.5°	1341.4	1341.4	1335.7	1333.9	1333.9	1332.0	1332.0	1328.2	1328.2	1326.4
180°	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6	1337.6

(END OF REPORT)