

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: P395601

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395601
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-60L82765-1D-UNV-W2A-W-4 (6500K)
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5735.3 lumens
Efficiency: N/A
Efficacy: 124.7 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

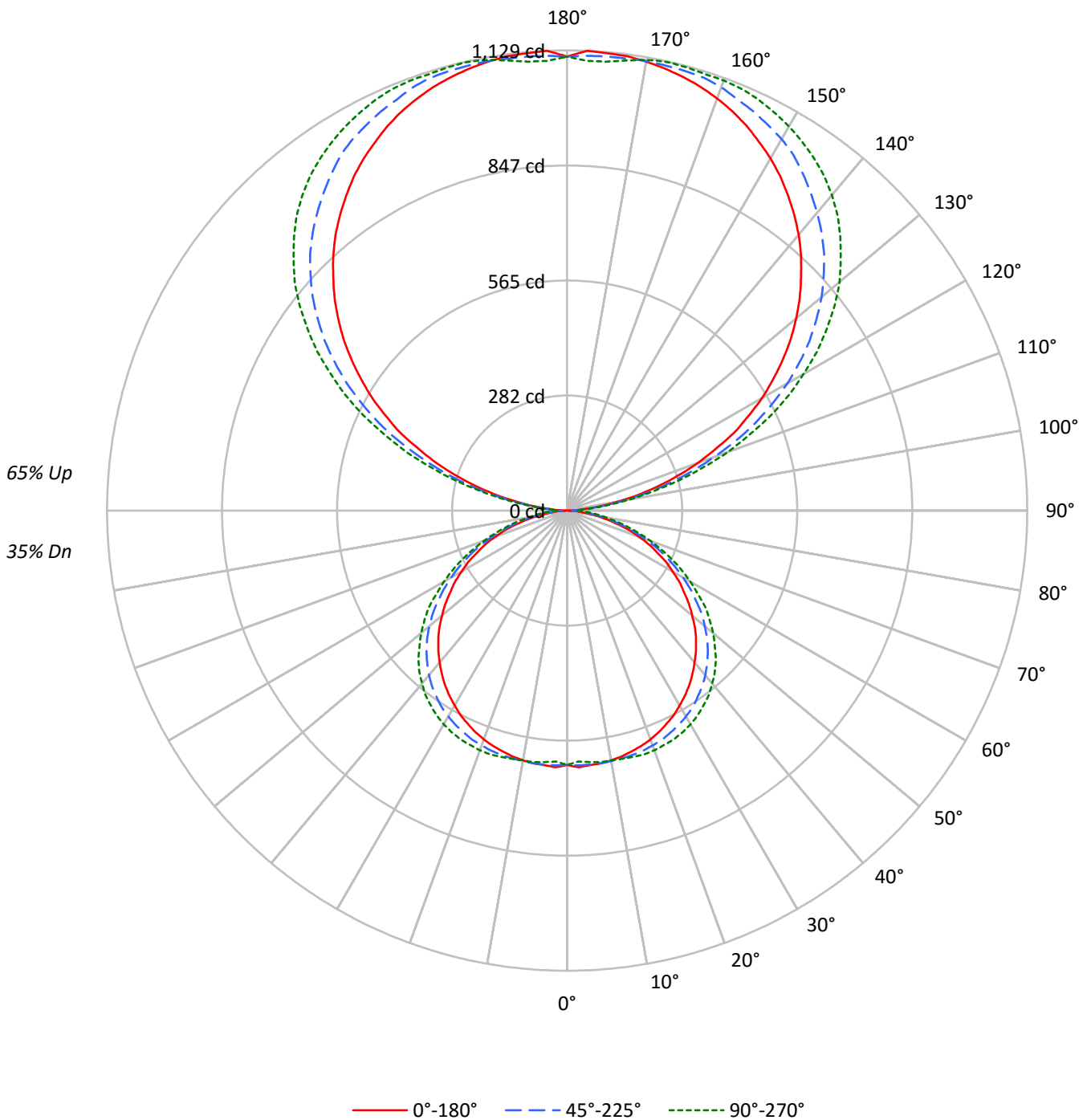
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

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	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°	3430	3430	3430
5°	3448	3373	3320
10°	3448	3327	3281
15°	3440	3298	3268
20°	3441	3270	3263
25°	3432	3241	3251
30°	3420	3210	3222
35°	3404	3158	3174
40°	3370	3092	3105
45°	3335	2997	3009
50°	3259	2864	2862
55°	3165	2683	2691
60°	3058	2472	2431
65°	2908	2215	2158
70°	2701	1888	1824
75°	2349	1501	1451
80°	1833	1067	1062
85°	997	611	698



TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.0
10°-20°	175.0	3.1
20°-30°	276.0	4.8
30°-40°	346.8	6.0
40°-50°	372.9	6.5
50°-60°	343.0	6.0
60°-70°	262.8	4.6
70°-80°	149.7	2.6
80°-90°	46.7	0.8
90°-100°	62.5	1.1
100°-110°	271.8	4.7
110°-120°	497.6	8.7
120°-130°	641.4	11.2
130°-140°	682.5	11.9
140°-150°	627.9	10.9
150°-160°	497.5	8.7
160°-170°	315.0	5.5
170°-180°	106.7	1.9
0°-30°	510.5	8.9
0°-40°	857.3	14.9
0°-60°	1573.3	27.4
0°-90°	2032.5	35.4
90°-120°	831.9	14.5
90°-150°	2783.7	48.5
90°-180°	3703.0	64.6
0°-180°	5735.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	627	621	626	622	619	60
15°	612	608	621	626	626	173
25°	577	579	601	615	619	266
35°	522	529	558	577	583	327
45°	447	458	488	508	516	344
55°	350	364	386	407	414	314
65°	244	252	267	280	285	242
75°	128	131	141	149	153	136
85°	24	30	39	50	53	30
90°	2	5	14	20	24	3
95°	42	41	45	52	53	53
105°	230	241	260	275	280	245
115°	452	472	510	536	550	443
125°	646	674	726	762	777	577
135°	812	838	892	929	948	626
145°	945	965	1009	1038	1056	591
155°	1042	1054	1081	1103	1112	480
165°	1101	1101	1117	1124	1126	311
175°	1126	1118	1118	1114	1106	107
180°	1114	1114	1114	1114	1114	



TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0
2.5°	630.3	628.7	627.2	624.0	624.0	622.5	622.5	622.5	622.5	624.0	625.6
5°	627.2	627.2	625.6	622.5	622.5	620.9	620.9	622.5	620.9	622.5	625.6
7.5°	625.6	625.6	624.0	620.9	620.9	620.9	620.9	620.9	620.9	622.5	625.6
10°	622.5	622.5	619.3	617.8	617.8	617.8	617.8	619.3	619.3	620.9	624.0
12.5°	617.8	616.2	614.7	613.1	613.1	613.1	614.7	616.2	616.2	619.3	622.5
15°	611.5	611.5	610.0	608.4	608.4	608.4	610.0	611.5	613.1	616.2	620.9
17.5°	605.3	605.3	603.7	603.7	603.7	603.7	605.3	606.8	610.0	613.1	617.8
20°	597.4	597.4	595.9	595.9	595.9	597.4	597.4	600.6	603.7	608.4	613.1
22.5°	588.1	588.1	588.1	586.5	588.1	589.6	591.2	594.3	597.4	602.1	608.4
25°	577.1	577.1	577.1	577.1	578.7	578.7	581.8	584.9	588.1	594.3	600.6
27.5°	566.2	566.2	566.2	564.6	567.7	569.3	570.9	575.6	578.7	586.5	592.8
30°	552.1	552.1	552.1	553.7	555.2	556.8	559.9	564.6	567.7	575.6	583.4
32.5°	538.0	538.0	538.0	538.0	542.7	544.3	545.8	550.5	556.8	564.6	572.4
35°	522.4	522.4	522.4	523.9	527.1	528.6	531.8	536.5	542.7	550.5	558.3
37.5°	505.2	506.7	506.7	508.3	511.4	514.6	517.7	522.4	528.6	536.5	544.3
40°	486.4	488.0	488.0	489.5	492.7	495.8	498.9	505.2	511.4	519.2	527.1
42.5°	467.6	469.2	469.2	472.3	475.5	478.6	481.7	488.0	494.2	502.0	508.3
45°	447.3	448.9	448.9	452.0	456.7	458.3	462.9	469.2	475.5	481.7	488.0
47.5°	425.4	427.0	427.0	430.1	434.8	437.9	441.0	447.3	452.0	459.8	466.1
50°	400.4	401.9	403.5	406.6	412.9	416.0	419.2	423.8	430.1	434.8	441.0
52.5°	376.9	376.9	378.5	381.6	386.3	389.4	391.0	395.7	403.5	409.8	416.0
55°	350.3	351.9	353.5	356.6	361.3	364.4	366.0	370.7	375.4	380.1	386.3
57.5°	326.9	326.9	328.4	331.6	336.3	337.8	339.4	342.5	348.8	353.5	358.2
60°	298.7	300.3	301.9	305.0	308.1	311.2	311.2	315.9	320.6	325.3	328.4
62.5°	273.7	273.7	275.3	278.4	280.0	283.1	283.1	287.8	290.9	295.6	298.7
65°	244.0	245.5	247.1	248.7	251.8	251.8	253.4	256.5	259.6	262.8	267.4
67.5°	217.4	217.4	219.0	220.5	222.1	222.1	223.7	226.8	229.9	233.0	236.2
70°	187.7	189.2	189.2	189.2	190.8	192.4	193.9	195.5	198.6	200.2	203.3
72.5°	158.0	158.0	159.5	159.5	161.1	162.7	164.2	165.8	167.3	170.5	172.0
75°	128.2	128.2	129.8	129.8	131.4	131.4	131.4	134.5	136.1	139.2	140.8
77.5°	98.5	100.1	100.1	100.1	101.7	103.2	103.2	104.8	107.9	109.5	111.0
80°	71.9	71.9	71.9	71.9	73.5	75.1	76.6	76.6	79.8	82.9	84.5
82.5°	45.4	45.4	46.9	48.5	48.5	50.0	51.6	53.2	56.3	57.9	59.4
85°	23.5	23.5	25.0	26.6	28.2	29.7	29.7	31.3	34.4	37.5	39.1
87.5°	7.8	9.4	9.4	10.9	12.5	14.1	15.6	17.2	20.3	23.5	25.0
90°	1.6	1.6	1.6	3.1	4.7	4.7	6.3	7.8	9.4	10.9	14.1
92.5°	14.1	14.1	12.5	14.1	14.1	14.1	14.1	15.6	17.2	17.2	20.3
95°	42.2	40.7	40.7	40.7	40.7	40.7	40.7	42.2	43.8	43.8	45.4
97.5°	81.3	81.3	79.8	79.8	81.3	81.3	81.3	82.9	86.0	84.5	87.6
100°	126.7	126.7	125.1	126.7	128.2	129.8	132.9	132.9	136.1	136.1	140.8
102.5°	178.3	178.3	176.7	179.9	181.4	184.6	184.6	187.7	192.4	192.4	198.6
105°	229.9	231.5	231.5	234.6	237.7	240.9	240.9	245.5	251.8	251.8	259.6
107.5°	286.2	287.8	287.8	290.9	294.0	297.2	298.7	305.0	311.2	312.8	322.2
110°	341.0	342.5	344.1	347.2	350.3	355.0	358.2	364.4	372.2	375.4	383.2



TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	392.6	398.8	400.4	405.1	409.8	414.5	417.6	425.4	434.8	439.5	448.9
115°	452.0	455.1	456.7	461.4	467.6	472.3	475.5	483.3	492.7	498.9	509.9
117.5°	500.5	508.3	509.9	514.6	520.8	525.5	528.6	538.0	549.0	556.8	567.7
120°	552.1	558.3	564.6	567.7	572.4	578.7	581.8	591.2	603.7	611.5	624.0
122.5°	599.0	605.3	611.5	616.2	622.5	625.6	630.3	641.2	653.8	663.1	675.6
125°	645.9	653.8	658.4	663.1	671.0	674.1	678.8	689.7	702.2	713.2	725.7
127.5°	691.3	696.0	703.8	706.9	714.7	717.9	722.6	735.1	747.6	758.5	771.1
130°	733.5	739.8	746.0	747.6	757.0	761.7	766.4	777.3	791.4	802.3	814.8
132.5°	774.2	777.3	785.1	789.8	797.6	802.3	807.0	816.4	830.5	841.4	853.9
135°	811.7	814.8	824.2	828.9	833.6	838.3	844.6	853.9	868.0	879.0	891.5
137.5°	849.3	852.4	861.8	866.5	869.6	874.3	879.0	888.4	902.4	913.4	924.3
140°	883.7	886.8	893.0	899.3	902.4	905.6	910.2	919.6	932.1	943.1	954.0
142.5°	914.9	918.1	924.3	930.6	935.3	935.3	940.0	947.8	961.9	972.8	982.2
145°	944.7	946.2	952.5	958.7	965.0	965.0	966.6	974.4	986.9	999.4	1008.8
147.5°	972.8	974.4	979.1	985.3	990.0	991.6	994.7	997.8	1010.3	1022.9	1033.8
150°	997.8	999.4	1002.5	1008.8	1011.9	1015.0	1018.2	1019.7	1029.1	1040.1	1052.6
152.5°	1019.7	1021.3	1024.4	1029.1	1032.2	1035.4	1038.5	1043.2	1047.9	1058.8	1066.6
155°	1041.6	1043.2	1044.8	1049.4	1052.6	1054.1	1055.7	1062.0	1066.6	1072.9	1080.7
157.5°	1060.4	1060.4	1062.0	1065.1	1068.2	1068.2	1069.8	1076.0	1080.7	1087.0	1091.7
160°	1076.0	1076.0	1077.6	1080.7	1080.7	1082.3	1083.9	1088.5	1091.7	1099.5	1105.7
162.5°	1090.1	1088.5	1090.1	1091.7	1091.7	1091.7	1093.2	1096.4	1101.1	1107.3	1113.6
165°	1101.1	1101.1	1101.1	1102.6	1102.6	1101.1	1101.1	1104.2	1107.3	1112.0	1116.7
167.5°	1110.4	1110.4	1108.9	1110.4	1108.9	1108.9	1107.3	1108.9	1110.4	1115.1	1118.3
170°	1118.3	1116.7	1116.7	1116.7	1115.1	1113.6	1113.6	1113.6	1113.6	1116.7	1119.8
172.5°	1124.5	1123.0	1121.4	1121.4	1118.3	1116.7	1116.7	1115.1	1115.1	1116.7	1118.3
175°	1126.1	1124.5	1123.0	1123.0	1119.8	1118.3	1116.7	1116.7	1115.1	1116.7	1118.3
177.5°	1129.2	1127.6	1124.5	1124.5	1121.4	1118.3	1118.3	1116.7	1115.1	1116.7	1116.7
180°	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6



TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0	624.0
2.5°	627.2	627.2	625.6	624.0	624.0	622.5	620.9	619.3	617.8	616.2
5°	627.2	625.6	624.0	624.0	622.5	622.5	622.5	620.9	619.3	619.3
7.5°	627.2	627.2	625.6	624.0	624.0	624.0	624.0	624.0	622.5	622.5
10°	627.2	625.6	625.6	625.6	624.0	625.6	625.6	624.0	624.0	622.5
12.5°	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6	624.0
15°	622.5	624.0	624.0	625.6	625.6	625.6	627.2	627.2	625.6	625.6
17.5°	620.9	622.5	624.0	625.6	625.6	625.6	627.2	627.2	627.2	627.2
20°	617.8	619.3	620.9	622.5	622.5	624.0	624.0	625.6	625.6	625.6
22.5°	611.5	613.1	616.2	617.8	619.3	620.9	622.5	622.5	622.5	622.5
25°	605.3	608.4	610.0	613.1	614.7	616.2	617.8	617.8	617.8	619.3
27.5°	597.4	600.6	605.3	606.8	608.4	610.0	611.5	613.1	613.1	613.1
30°	588.1	592.8	595.9	599.0	600.6	602.1	603.7	603.7	605.3	605.3
32.5°	577.1	581.8	584.9	588.1	589.6	591.2	594.3	594.3	595.9	595.9
35°	563.0	567.7	572.4	575.6	577.1	578.7	581.8	583.4	583.4	583.4
37.5°	549.0	553.7	558.3	563.0	564.6	566.2	569.3	569.3	570.9	570.9
40°	531.8	536.5	541.1	545.8	545.8	549.0	550.5	552.1	553.7	553.7
42.5°	514.6	519.2	522.4	527.1	528.6	530.2	531.8	534.9	534.9	536.5
45°	494.2	498.9	502.0	506.7	508.3	509.9	513.0	514.6	516.1	516.1
47.5°	472.3	475.5	478.6	483.3	486.4	488.0	489.5	491.1	492.7	491.1
50°	447.3	450.4	455.1	459.8	461.4	462.9	466.1	466.1	467.6	467.6
52.5°	420.7	425.4	428.5	433.2	434.8	436.4	439.5	439.5	441.0	441.0
55°	391.0	394.1	397.3	405.1	406.6	408.2	411.3	411.3	412.9	414.5
57.5°	362.8	364.4	369.1	372.2	375.4	375.4	376.9	378.5	380.1	380.1
60°	333.1	334.7	337.8	342.5	342.5	344.1	347.2	347.2	348.8	348.8
62.5°	301.9	305.0	308.1	312.8	311.2	312.8	315.9	315.9	317.5	317.5
65°	270.6	272.1	275.3	278.4	280.0	280.0	281.5	283.1	284.6	284.6
67.5°	237.7	240.9	242.4	247.1	245.5	247.1	248.7	248.7	250.2	250.2
70°	206.4	208.0	211.1	212.7	212.7	214.3	215.8	215.8	215.8	217.4
72.5°	175.2	176.7	178.3	179.9	179.9	181.4	183.0	183.0	184.6	184.6
75°	142.3	145.5	147.0	150.1	148.6	150.1	153.3	153.3	153.3	153.3
77.5°	114.2	115.7	118.9	120.4	120.4	120.4	123.6	122.0	123.6	123.6
80°	86.0	87.6	90.7	92.3	92.3	93.8	95.4	95.4	95.4	97.0
82.5°	61.0	64.1	67.3	68.8	68.8	70.4	71.9	71.9	73.5	73.5
85°	42.2	45.4	48.5	48.5	50.0	51.6	53.2	53.2	53.2	53.2
87.5°	28.2	29.7	31.3	32.8	34.4	34.4	36.0	36.0	37.5	37.5
90°	15.6	17.2	18.8	20.3	20.3	21.9	21.9	23.5	23.5	23.5
92.5°	21.9	21.9	23.5	25.0	25.0	25.0	25.0	26.6	26.6	26.6
95°	46.9	48.5	48.5	51.6	51.6	51.6	53.2	53.2	53.2	53.2
97.5°	90.7	90.7	90.7	93.8	93.8	93.8	95.4	95.4	95.4	97.0
100°	142.3	143.9	143.9	148.6	147.0	150.1	150.1	150.1	150.1	151.7
102.5°	200.2	203.3	204.9	209.6	209.6	209.6	212.7	211.1	212.7	212.7
105°	262.8	265.9	267.4	272.1	275.3	275.3	278.4	276.8	278.4	280.0
107.5°	325.3	330.0	333.1	337.8	341.0	342.5	342.5	344.1	345.6	347.2
110°	389.4	394.1	401.9	406.6	408.2	411.3	412.9	414.5	416.0	419.2



TEST NUMBER: P395601

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	456.7	461.4	467.6	473.9	472.3	477.0	480.1	481.7	483.3	481.7
115°	517.7	523.9	530.2	536.5	536.5	539.6	545.8	547.4	547.4	550.5
117.5°	575.6	583.4	589.6	595.9	597.4	600.6	605.3	610.0	610.0	613.1
120°	631.9	641.2	647.5	653.8	656.9	658.4	663.1	669.4	669.4	669.4
122.5°	685.0	692.9	700.7	706.9	710.1	713.2	716.3	724.1	724.1	727.3
125°	735.1	744.5	752.3	758.5	761.7	764.8	771.1	775.7	777.3	777.3
127.5°	782.0	791.4	799.2	807.0	808.6	811.7	818.0	824.2	825.8	827.4
130°	825.8	835.2	843.0	850.8	853.9	855.5	863.3	868.0	871.1	872.7
132.5°	864.9	874.3	882.1	889.9	893.0	896.2	900.9	908.7	910.2	910.2
135°	900.9	910.2	918.1	927.5	929.0	932.1	938.4	943.1	946.2	947.8
137.5°	933.7	943.1	952.5	960.3	963.4	965.0	971.2	977.5	980.6	982.2
140°	963.4	972.8	982.2	988.4	990.0	994.7	999.4	1005.7	1008.8	1010.3
142.5°	991.6	999.4	1007.2	1015.0	1016.6	1019.7	1024.4	1030.7	1033.8	1035.4
145°	1016.6	1024.4	1030.7	1036.9	1038.5	1041.6	1046.3	1051.0	1054.1	1055.7
147.5°	1040.1	1046.3	1052.6	1057.3	1058.8	1062.0	1065.1	1068.2	1071.3	1072.9
150°	1060.4	1063.5	1069.8	1072.9	1074.5	1077.6	1080.7	1083.9	1087.0	1088.5
152.5°	1076.0	1080.7	1083.9	1088.5	1090.1	1091.7	1094.8	1097.9	1101.1	1101.1
155°	1088.5	1093.2	1096.4	1101.1	1102.6	1104.2	1107.3	1108.9	1112.0	1112.0
157.5°	1097.9	1102.6	1105.7	1108.9	1110.4	1112.0	1113.6	1116.7	1119.8	1119.8
160°	1108.9	1110.4	1112.0	1115.1	1115.1	1116.7	1118.3	1119.8	1123.0	1123.0
162.5°	1118.3	1119.8	1116.7	1118.3	1116.7	1118.3	1119.8	1121.4	1123.0	1123.0
165°	1121.4	1124.5	1123.0	1124.5	1124.5	1124.5	1124.5	1126.1	1126.1	1126.1
167.5°	1121.4	1124.5	1123.0	1123.0	1124.5	1124.5	1126.1	1127.6	1127.6	1127.6
170°	1121.4	1123.0	1121.4	1119.8	1121.4	1121.4	1121.4	1123.0	1123.0	1123.0
172.5°	1119.8	1121.4	1118.3	1116.7	1116.7	1116.7	1115.1	1115.1	1113.6	1113.6
175°	1118.3	1118.3	1115.1	1113.6	1113.6	1113.6	1110.4	1108.9	1107.3	1105.7
177.5°	1116.7	1116.7	1112.0	1110.4	1110.4	1108.9	1108.9	1105.7	1105.7	1104.2
180°	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6	1113.6

(END OF REPORT)