

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: P395600

Luminaire Tested: **I3-FL-60L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395600
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 (5700K)
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5724.3 lumens
Efficiency: N/A
Efficacy: 126.4 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

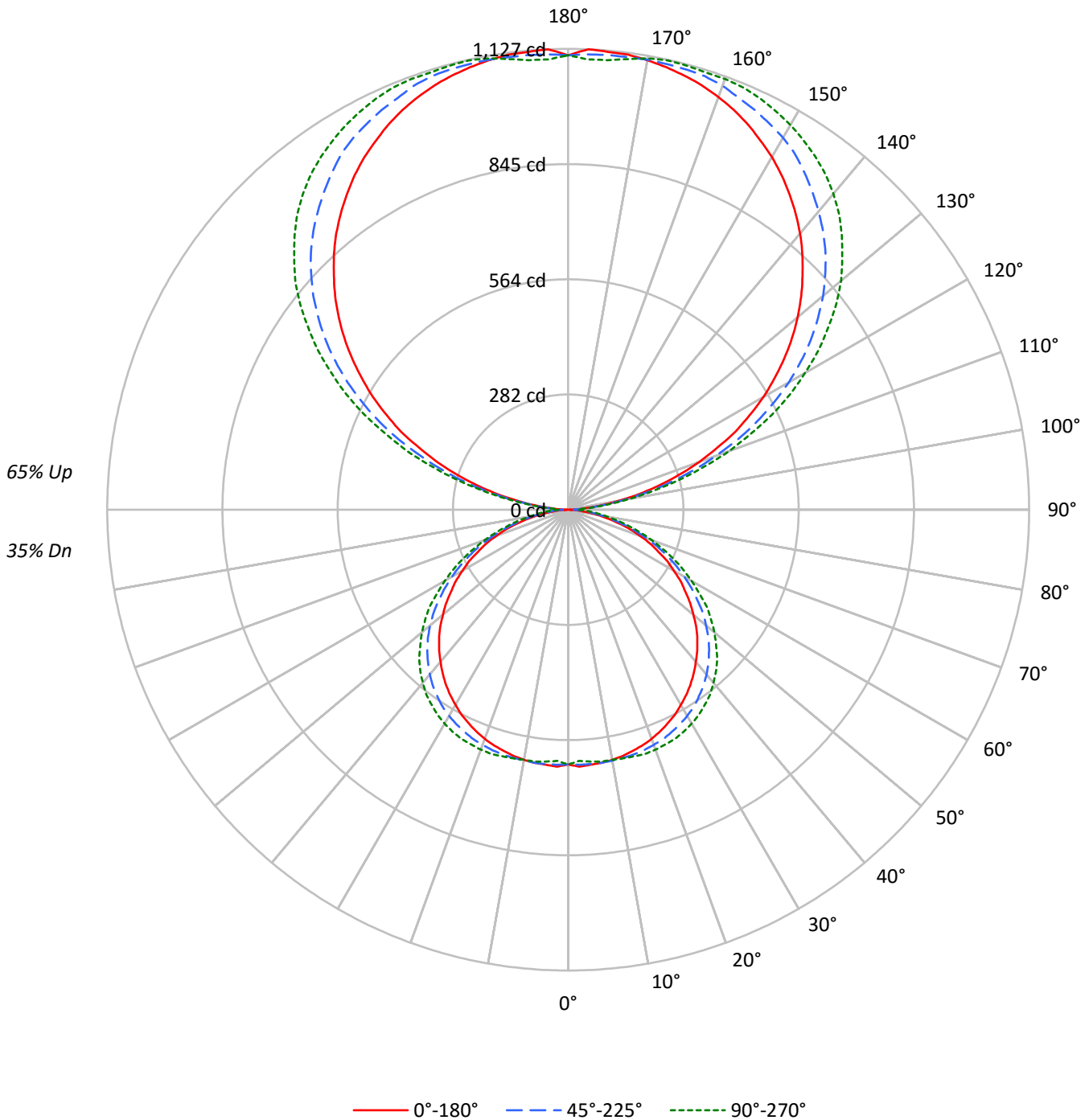
Input Watts (W): 45.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3423	3423	3423
5°	3441	3367	3314
10°	3442	3320	3275
15°	3434	3292	3262
20°	3435	3263	3257
25°	3425	3234	3245
30°	3413	3204	3215
35°	3397	3153	3168
40°	3363	3086	3098
45°	3328	2991	3003
50°	3252	2859	2856
55°	3159	2678	2686
60°	3053	2468	2426
65°	2902	2211	2155
70°	2695	1885	1820
75°	2346	1498	1448
80°	1831	1064	1060
85°	993	609	696



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CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	1.0
10°-20°	174.7	3.1
20°-30°	275.4	4.8
30°-40°	346.2	6.0
40°-50°	372.2	6.5
50°-60°	342.4	6.0
60°-70°	262.3	4.6
70°-80°	149.4	2.6
80°-90°	46.6	0.8
90°-100°	62.4	1.1
100°-110°	271.3	4.7
110°-120°	496.7	8.7
120°-130°	640.2	11.2
130°-140°	681.2	11.9
140°-150°	626.7	10.9
150°-160°	496.5	8.7
160°-170°	314.4	5.5
170°-180°	106.4	1.9
0°-30°	509.5	8.9
0°-40°	855.7	14.9
0°-60°	1570.3	27.4
0°-90°	2028.6	35.4
90°-120°	830.3	14.5
90°-150°	2778.4	48.5
90°-180°	3696.0	64.6
0°-180°	5724.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	626	620	624	621	618	60
15°	610	607	620	624	624	173
25°	576	578	599	614	618	266
35°	521	528	557	576	582	326
45°	446	457	487	507	515	344
55°	350	364	386	406	414	313
65°	244	251	267	279	284	242
75°	128	131	140	148	153	135
85°	23	30	39	50	53	29
90°	2	5	14	20	23	3
95°	42	41	45	52	53	53
105°	230	240	259	275	279	244
115°	451	471	509	535	550	442
125°	645	673	724	760	776	576
135°	810	837	890	927	946	625
145°	943	963	1007	1036	1054	590
155°	1040	1052	1079	1100	1110	479
165°	1099	1099	1115	1122	1124	311
175°	1124	1116	1116	1111	1104	107
180°	1111	1111	1111	1111	1111	



TEST NUMBER: P395600

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8
2.5°	629.1	627.5	626.0	622.8	622.8	621.3	621.3	621.3	621.3	622.8	624.4
5°	626.0	626.0	624.4	621.3	621.3	619.7	619.7	621.3	619.7	621.3	624.4
7.5°	624.4	624.4	622.8	619.7	619.7	619.7	619.7	619.7	619.7	621.3	624.4
10°	621.3	621.3	618.2	616.6	616.6	616.6	616.6	618.2	618.2	619.7	622.8
12.5°	616.6	615.0	613.5	611.9	611.9	611.9	613.5	615.0	615.0	618.2	621.3
15°	610.4	610.4	608.8	607.2	607.2	607.2	608.8	610.4	611.9	615.0	619.7
17.5°	604.1	604.1	602.5	602.5	602.5	602.5	604.1	605.7	608.8	611.9	616.6
20°	596.3	596.3	594.7	594.7	594.7	596.3	596.3	599.4	602.5	607.2	611.9
22.5°	586.9	586.9	586.9	585.4	586.9	588.5	590.1	593.2	596.3	601.0	607.2
25°	576.0	576.0	576.0	576.0	577.6	577.6	580.7	583.8	586.9	593.2	599.4
27.5°	565.1	565.1	565.1	563.5	566.6	568.2	569.8	574.5	577.6	585.4	591.6
30°	551.0	551.0	551.0	552.6	554.2	555.7	558.8	563.5	566.6	574.5	582.3
32.5°	537.0	537.0	537.0	537.0	541.7	543.2	544.8	549.5	555.7	563.5	571.3
35°	521.4	521.4	521.4	522.9	526.1	527.6	530.7	535.4	541.7	549.5	557.3
37.5°	504.2	505.8	505.8	507.3	510.4	513.6	516.7	521.4	527.6	535.4	543.2
40°	485.5	487.0	487.0	488.6	491.7	494.8	498.0	504.2	510.4	518.3	526.1
42.5°	466.7	468.3	468.3	471.4	474.5	477.7	480.8	487.0	493.3	501.1	507.3
45°	446.4	448.0	448.0	451.1	455.8	457.4	462.1	468.3	474.5	480.8	487.0
47.5°	424.6	426.2	426.2	429.3	434.0	437.1	440.2	446.4	451.1	458.9	465.2
50°	399.6	401.2	402.7	405.9	412.1	415.2	418.4	423.0	429.3	434.0	440.2
52.5°	376.2	376.2	377.8	380.9	385.6	388.7	390.3	394.9	402.7	409.0	415.2
55°	349.7	351.2	352.8	355.9	360.6	363.7	365.3	370.0	374.6	379.3	385.6
57.5°	326.3	326.3	327.8	330.9	335.6	337.2	338.7	341.9	348.1	352.8	357.5
60°	298.2	299.7	301.3	304.4	307.5	310.6	310.6	315.3	320.0	324.7	327.8
62.5°	273.2	273.2	274.7	277.9	279.4	282.5	282.5	287.2	290.3	295.0	298.2
65°	243.5	245.1	246.6	248.2	251.3	251.3	252.9	256.0	259.1	262.2	266.9
67.5°	217.0	217.0	218.5	220.1	221.7	221.7	223.2	226.3	229.5	232.6	235.7
70°	187.3	188.9	188.9	188.9	190.4	192.0	193.6	195.1	198.2	199.8	202.9
72.5°	157.7	157.7	159.2	159.2	160.8	162.3	163.9	165.5	167.0	170.1	171.7
75°	128.0	128.0	129.6	129.6	131.1	131.1	131.1	134.2	135.8	138.9	140.5
77.5°	98.3	99.9	99.9	99.9	101.5	103.0	103.0	104.6	107.7	109.3	110.8
80°	71.8	71.8	71.8	71.8	73.4	74.9	76.5	76.5	79.6	82.7	84.3
82.5°	45.3	45.3	46.8	48.4	48.4	50.0	51.5	53.1	56.2	57.8	59.3
85°	23.4	23.4	25.0	26.5	28.1	29.7	29.7	31.2	34.3	37.5	39.0
87.5°	7.8	9.4	9.4	10.9	12.5	14.0	15.6	17.2	20.3	23.4	25.0
90°	1.6	1.6	1.6	3.1	4.7	4.7	6.2	7.8	9.4	10.9	14.0
92.5°	14.0	14.0	12.5	14.0	14.0	14.0	14.0	15.6	17.2	17.2	20.3
95°	42.1	40.6	40.6	40.6	40.6	40.6	40.6	42.1	43.7	43.7	45.3
97.5°	81.2	81.2	79.6	79.6	81.2	81.2	81.2	82.7	85.9	84.3	87.4
100°	126.4	126.4	124.9	126.4	128.0	129.6	132.7	132.7	135.8	135.8	140.5
102.5°	178.0	178.0	176.4	179.5	181.1	184.2	184.2	187.3	192.0	192.0	198.2
105°	229.5	231.0	231.0	234.2	237.3	240.4	240.4	245.1	251.3	251.3	259.1
107.5°	285.7	287.2	287.2	290.3	293.5	296.6	298.2	304.4	310.6	312.2	321.6
110°	340.3	341.9	343.4	346.5	349.7	354.3	357.5	363.7	371.5	374.6	382.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	391.8	398.1	399.6	404.3	409.0	413.7	416.8	424.6	434.0	438.6	448.0
115°	451.1	454.3	455.8	460.5	466.7	471.4	474.5	482.4	491.7	498.0	508.9
117.5°	499.5	507.3	508.9	513.6	519.8	524.5	527.6	537.0	547.9	555.7	566.6
120°	551.0	557.3	563.5	566.6	571.3	577.6	580.7	590.1	602.5	610.4	622.8
122.5°	597.9	604.1	610.4	615.0	621.3	624.4	629.1	640.0	652.5	661.9	674.4
125°	644.7	652.5	657.2	661.9	669.7	672.8	677.5	688.4	700.9	711.8	724.3
127.5°	690.0	694.6	702.5	705.6	713.4	716.5	721.2	733.7	746.2	757.1	769.6
130°	732.1	738.4	744.6	746.2	755.5	760.2	764.9	775.8	789.9	800.8	813.3
132.5°	772.7	775.8	783.6	788.3	796.1	800.8	805.5	814.8	828.9	839.8	852.3
135°	810.2	813.3	822.7	827.3	832.0	836.7	842.9	852.3	866.4	877.3	889.8
137.5°	847.6	850.7	860.1	864.8	867.9	872.6	877.3	886.7	900.7	911.6	922.6
140°	882.0	885.1	891.3	897.6	900.7	903.8	908.5	917.9	930.4	941.3	952.2
142.5°	913.2	916.3	922.6	928.8	933.5	933.5	938.2	946.0	960.0	970.9	980.3
145°	942.8	944.4	950.7	956.9	963.1	963.1	964.7	972.5	985.0	997.5	1006.9
147.5°	970.9	972.5	977.2	983.4	988.1	989.7	992.8	995.9	1008.4	1020.9	1031.8
150°	995.9	997.5	1000.6	1006.9	1010.0	1013.1	1016.2	1017.8	1027.1	1038.1	1050.6
152.5°	1017.8	1019.3	1022.5	1027.1	1030.3	1033.4	1036.5	1041.2	1045.9	1056.8	1064.6
155°	1039.6	1041.2	1042.8	1047.4	1050.6	1052.1	1053.7	1059.9	1064.6	1070.9	1078.7
157.5°	1058.4	1058.4	1059.9	1063.0	1066.2	1066.2	1067.7	1074.0	1078.7	1084.9	1089.6
160°	1074.0	1074.0	1075.5	1078.7	1078.7	1080.2	1081.8	1086.5	1089.6	1097.4	1103.6
162.5°	1088.0	1086.5	1088.0	1089.6	1089.6	1089.6	1091.1	1094.3	1098.9	1105.2	1111.4
165°	1098.9	1098.9	1098.9	1100.5	1100.5	1098.9	1098.9	1102.1	1105.2	1109.9	1114.6
167.5°	1108.3	1108.3	1106.8	1108.3	1106.8	1106.8	1105.2	1106.8	1108.3	1113.0	1116.1
170°	1116.1	1114.6	1114.6	1114.6	1113.0	1111.4	1111.4	1111.4	1111.4	1114.6	1117.7
172.5°	1122.4	1120.8	1119.2	1119.2	1116.1	1114.6	1114.6	1113.0	1113.0	1114.6	1116.1
175°	1123.9	1122.4	1120.8	1120.8	1117.7	1116.1	1114.6	1114.6	1113.0	1114.6	1116.1
177.5°	1127.0	1125.5	1122.4	1122.4	1119.2	1116.1	1116.1	1114.6	1113.0	1114.6	1114.6
180°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8
2.5°	626.0	626.0	624.4	622.8	622.8	621.3	619.7	618.2	616.6	615.0
5°	626.0	624.4	622.8	622.8	621.3	621.3	621.3	619.7	618.2	618.2
7.5°	626.0	626.0	624.4	622.8	622.8	622.8	622.8	622.8	621.3	621.3
10°	626.0	624.4	624.4	624.4	622.8	624.4	624.4	622.8	622.8	621.3
12.5°	624.4	624.4	624.4	624.4	624.4	624.4	624.4	624.4	624.4	622.8
15°	621.3	622.8	622.8	624.4	624.4	624.4	626.0	626.0	624.4	624.4
17.5°	619.7	621.3	622.8	624.4	624.4	624.4	626.0	626.0	626.0	626.0
20°	616.6	618.2	619.7	621.3	621.3	622.8	622.8	624.4	624.4	624.4
22.5°	610.4	611.9	615.0	616.6	618.2	619.7	621.3	621.3	621.3	621.3
25°	604.1	607.2	608.8	611.9	613.5	615.0	616.6	616.6	616.6	618.2
27.5°	596.3	599.4	604.1	605.7	607.2	608.8	610.4	611.9	611.9	611.9
30°	586.9	591.6	594.7	597.9	599.4	601.0	602.5	602.5	604.1	604.1
32.5°	576.0	580.7	583.8	586.9	588.5	590.1	593.2	593.2	594.7	594.7
35°	562.0	566.6	571.3	574.5	576.0	577.6	580.7	582.3	582.3	582.3
37.5°	547.9	552.6	557.3	562.0	563.5	565.1	568.2	568.2	569.8	569.8
40°	530.7	535.4	540.1	544.8	544.8	547.9	549.5	551.0	552.6	552.6
42.5°	513.6	518.3	521.4	526.1	527.6	529.2	530.7	533.9	533.9	535.4
45°	493.3	498.0	501.1	505.8	507.3	508.9	512.0	513.6	515.1	515.1
47.5°	471.4	474.5	477.7	482.4	485.5	487.0	488.6	490.2	491.7	490.2
50°	446.4	449.6	454.3	458.9	460.5	462.1	465.2	465.2	466.7	466.7
52.5°	419.9	424.6	427.7	432.4	434.0	435.5	438.6	438.6	440.2	440.2
55°	390.3	393.4	396.5	404.3	405.9	407.4	410.5	410.5	412.1	413.7
57.5°	362.2	363.7	368.4	371.5	374.6	374.6	376.2	377.8	379.3	379.3
60°	332.5	334.1	337.2	341.9	341.9	343.4	346.5	346.5	348.1	348.1
62.5°	301.3	304.4	307.5	312.2	310.6	312.2	315.3	315.3	316.9	316.9
65°	270.1	271.6	274.7	277.9	279.4	279.4	281.0	282.5	284.1	284.1
67.5°	237.3	240.4	242.0	246.6	245.1	246.6	248.2	248.2	249.8	249.8
70°	206.1	207.6	210.7	212.3	212.3	213.9	215.4	215.4	215.4	217.0
72.5°	174.8	176.4	178.0	179.5	179.5	181.1	182.6	182.6	184.2	184.2
75°	142.1	145.2	146.7	149.9	148.3	149.9	153.0	153.0	153.0	153.0
77.5°	114.0	115.5	118.6	120.2	120.2	120.2	123.3	121.8	123.3	123.3
80°	85.9	87.4	90.5	92.1	92.1	93.7	95.2	95.2	95.2	96.8
82.5°	60.9	64.0	67.1	68.7	68.7	70.2	71.8	71.8	73.4	73.4
85°	42.1	45.3	48.4	48.4	50.0	51.5	53.1	53.1	53.1	53.1
87.5°	28.1	29.7	31.2	32.8	34.3	34.3	35.9	35.9	37.5	37.5
90°	15.6	17.2	18.7	20.3	20.3	21.9	21.9	23.4	23.4	23.4
92.5°	21.9	21.9	23.4	25.0	25.0	25.0	25.0	26.5	26.5	26.5
95°	46.8	48.4	48.4	51.5	51.5	51.5	53.1	53.1	53.1	53.1
97.5°	90.5	90.5	90.5	93.7	93.7	93.7	95.2	95.2	95.2	96.8
100°	142.1	143.6	143.6	148.3	146.7	149.9	149.9	149.9	149.9	151.4
102.5°	199.8	202.9	204.5	209.2	209.2	209.2	212.3	210.7	212.3	212.3
105°	262.2	265.4	266.9	271.6	274.7	274.7	277.9	276.3	277.9	279.4
107.5°	324.7	329.4	332.5	337.2	340.3	341.9	341.9	343.4	345.0	346.5
110°	388.7	393.4	401.2	405.9	407.4	410.5	412.1	413.7	415.2	418.4



TEST NUMBER: P395600

CATALOG NUMBER: I3-FL-60L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	455.8	460.5	466.7	473.0	471.4	476.1	479.2	480.8	482.4	480.8
115°	516.7	522.9	529.2	535.4	535.4	538.5	544.8	546.4	546.4	549.5
117.5°	574.5	582.3	588.5	594.7	596.3	599.4	604.1	608.8	608.8	611.9
120°	630.6	640.0	646.3	652.5	655.6	657.2	661.9	668.1	668.1	668.1
122.5°	683.7	691.5	699.3	705.6	708.7	711.8	714.9	722.7	722.7	725.9
125°	733.7	743.0	750.8	757.1	760.2	763.3	769.6	774.3	775.8	775.8
127.5°	780.5	789.9	797.7	805.5	807.0	810.2	816.4	822.7	824.2	825.8
130°	824.2	833.6	841.4	849.2	852.3	853.9	861.7	866.4	869.5	871.0
132.5°	863.2	872.6	880.4	888.2	891.3	894.5	899.1	906.9	908.5	908.5
135°	899.1	908.5	916.3	925.7	927.2	930.4	936.6	941.3	944.4	946.0
137.5°	931.9	941.3	950.7	958.5	961.6	963.1	969.4	975.6	978.8	980.3
140°	961.6	970.9	980.3	986.6	988.1	992.8	997.5	1003.7	1006.9	1008.4
142.5°	989.7	997.5	1005.3	1013.1	1014.7	1017.8	1022.5	1028.7	1031.8	1033.4
145°	1014.7	1022.5	1028.7	1034.9	1036.5	1039.6	1044.3	1049.0	1052.1	1053.7
147.5°	1038.1	1044.3	1050.6	1055.2	1056.8	1059.9	1063.0	1066.2	1069.3	1070.9
150°	1058.4	1061.5	1067.7	1070.9	1072.4	1075.5	1078.7	1081.8	1084.9	1086.5
152.5°	1074.0	1078.7	1081.8	1086.5	1088.0	1089.6	1092.7	1095.8	1098.9	1098.9
155°	1086.5	1091.1	1094.3	1098.9	1100.5	1102.1	1105.2	1106.8	1109.9	1109.9
157.5°	1095.8	1100.5	1103.6	1106.8	1108.3	1109.9	1111.4	1114.6	1117.7	1117.7
160°	1106.8	1108.3	1109.9	1113.0	1113.0	1114.6	1116.1	1117.7	1120.8	1120.8
162.5°	1116.1	1117.7	1114.6	1116.1	1114.6	1116.1	1117.7	1119.2	1120.8	1120.8
165°	1119.2	1122.4	1120.8	1122.4	1122.4	1122.4	1122.4	1123.9	1123.9	1123.9
167.5°	1119.2	1122.4	1120.8	1120.8	1122.4	1122.4	1123.9	1125.5	1125.5	1125.5
170°	1119.2	1120.8	1119.2	1117.7	1119.2	1119.2	1119.2	1120.8	1120.8	1120.8
172.5°	1117.7	1119.2	1116.1	1114.6	1114.6	1114.6	1113.0	1113.0	1111.4	1111.4
175°	1116.1	1116.1	1113.0	1111.4	1111.4	1111.4	1108.3	1106.8	1105.2	1103.6
177.5°	1114.6	1114.6	1109.9	1108.3	1108.3	1106.8	1106.8	1103.6	1103.6	1102.1
180°	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4	1111.4

(END OF REPORT)