

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: P395609

Luminaire Tested: **I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395609
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-60L92765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, FROSTED TOP COVER
6000 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: 4698.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

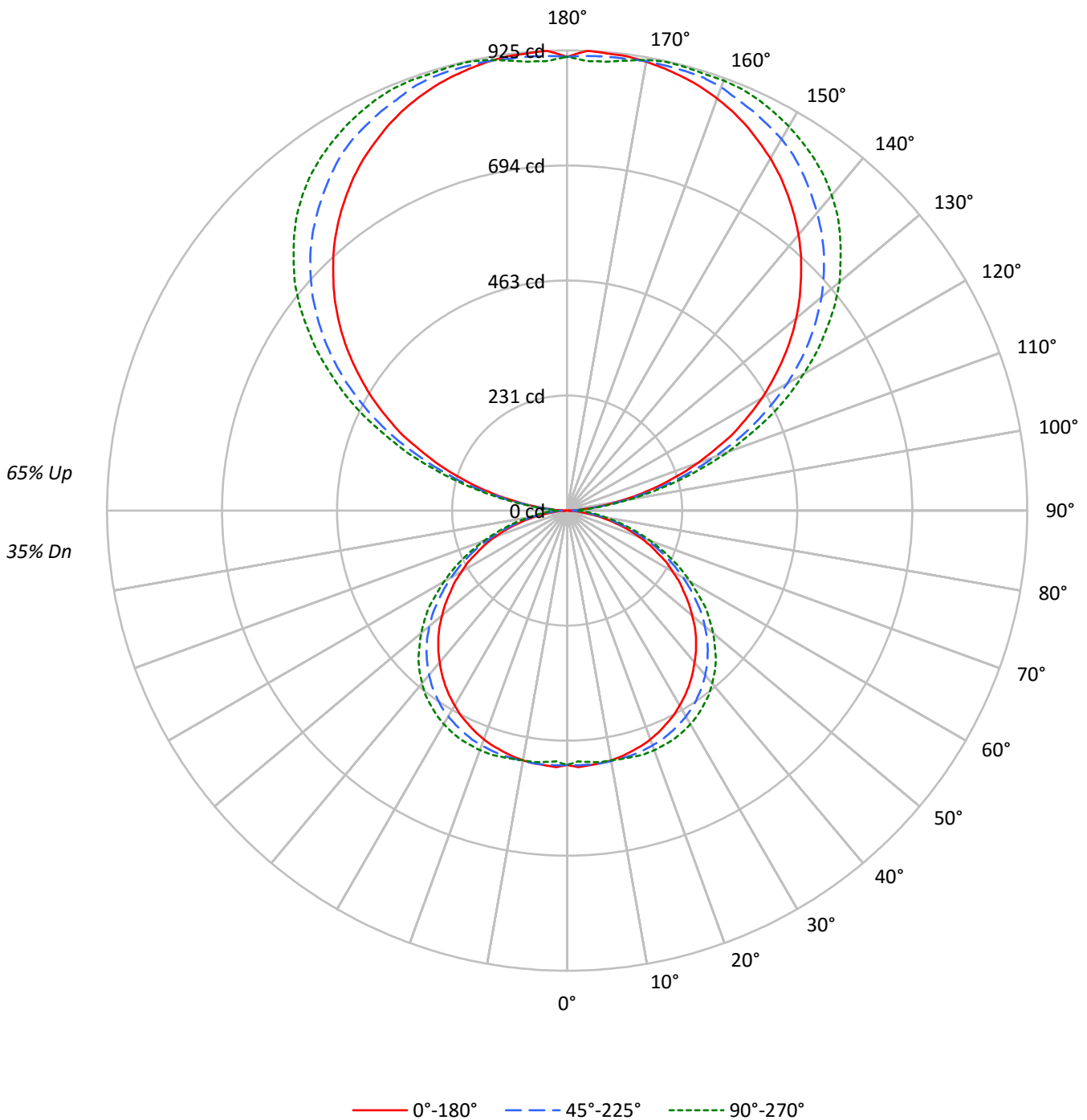
Input Watts (W): 44.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

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°	2810	2810	2810
5°	2824	2763	2720
10°	2825	2725	2688
15°	2818	2702	2677
20°	2819	2678	2673
25°	2811	2655	2663
30°	2801	2630	2639
35°	2788	2588	2600
40°	2760	2533	2543
45°	2732	2455	2465
50°	2669	2346	2345
55°	2593	2198	2204
60°	2505	2025	1991
65°	2382	1815	1769
70°	2211	1546	1494
75°	1926	1229	1189
80°	1502	874	870
85°	815	500	572



TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.0
10°-20°	143.3	3.1
20°-30°	226.0	4.8
30°-40°	284.1	6.0
40°-50°	305.5	6.5
50°-60°	281.0	6.0
60°-70°	215.3	4.6
70°-80°	122.6	2.6
80°-90°	38.3	0.8
90°-100°	51.2	1.1
100°-110°	222.7	4.7
110°-120°	407.6	8.7
120°-130°	525.4	11.2
130°-140°	559.1	11.9
140°-150°	514.4	10.9
150°-160°	407.5	8.7
160°-170°	258.0	5.5
170°-180°	87.4	1.9
0°-30°	418.1	8.9
0°-40°	702.2	14.9
0°-60°	1288.7	27.4
0°-90°	1664.9	35.4
90°-120°	681.5	14.5
90°-150°	2280.3	48.5
90°-180°	3033.0	64.6
0°-180°	4698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	514	509	512	510	507	49
15°	501	498	509	512	512	142
25°	473	474	492	504	507	218
35°	428	433	457	473	478	268
45°	366	375	400	416	423	282
55°	287	298	316	333	340	257
65°	200	206	219	229	233	198
75°	105	108	115	122	126	111
85°	19	24	32	41	44	24
90°	1	4	12	17	19	3
95°	35	33	37	42	44	43
105°	188	197	213	226	229	200
115°	370	387	418	439	451	363
125°	529	552	594	624	637	473
135°	665	687	730	761	776	513
145°	774	790	826	851	865	484
155°	853	864	885	903	911	393
165°	902	902	915	921	922	255
175°	922	916	916	912	906	88
180°	912	912	912	912	912	



TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2
2.5°	516.3	515.0	513.7	511.2	511.2	509.9	509.9	509.9	509.9	511.2	512.5
5°	513.7	513.7	512.5	509.9	509.9	508.6	508.6	509.9	508.6	509.9	512.5
7.5°	512.5	512.5	511.2	508.6	508.6	508.6	508.6	508.6	508.6	509.9	512.5
10°	509.9	509.9	507.3	506.0	506.0	506.0	506.0	507.3	507.3	508.6	511.2
12.5°	506.0	504.8	503.5	502.2	502.2	502.2	503.5	504.8	504.8	507.3	509.9
15°	500.9	500.9	499.6	498.4	498.4	498.4	499.6	500.9	502.2	504.8	508.6
17.5°	495.8	495.8	494.5	494.5	494.5	494.5	495.8	497.1	499.6	502.2	506.0
20°	489.4	489.4	488.1	488.1	488.1	489.4	489.4	492.0	494.5	498.4	502.2
22.5°	481.7	481.7	481.7	480.4	481.7	483.0	484.3	486.8	489.4	493.2	498.4
25°	472.7	472.7	472.7	472.7	474.0	474.0	476.6	479.1	481.7	486.8	492.0
27.5°	463.8	463.8	463.8	462.5	465.1	466.3	467.6	471.5	474.0	480.4	485.5
30°	452.2	452.2	452.2	453.5	454.8	456.1	458.6	462.5	465.1	471.5	477.9
32.5°	440.7	440.7	440.7	440.7	444.6	445.8	447.1	451.0	456.1	462.5	468.9
35°	427.9	427.9	427.9	429.2	431.7	433.0	435.6	439.4	444.6	451.0	457.4
37.5°	413.8	415.1	415.1	416.4	418.9	421.5	424.1	427.9	433.0	439.4	445.8
40°	398.4	399.7	399.7	401.0	403.6	406.1	408.7	413.8	418.9	425.3	431.7
42.5°	383.1	384.3	384.3	386.9	389.5	392.0	394.6	399.7	404.8	411.2	416.4
45°	366.4	367.7	367.7	370.2	374.1	375.4	379.2	384.3	389.5	394.6	399.7
47.5°	348.5	349.7	349.7	352.3	356.2	358.7	361.3	366.4	370.2	376.7	381.8
50°	328.0	329.3	330.5	333.1	338.2	340.8	343.3	347.2	352.3	356.2	361.3
52.5°	308.8	308.8	310.0	312.6	316.4	319.0	320.3	324.1	330.5	335.7	340.8
55°	287.0	288.3	289.5	292.1	295.9	298.5	299.8	303.6	307.5	311.3	316.4
57.5°	267.8	267.8	269.0	271.6	275.4	276.7	278.0	280.6	285.7	289.5	293.4
60°	244.7	246.0	247.3	249.8	252.4	254.9	254.9	258.8	262.6	266.5	269.0
62.5°	224.2	224.2	225.5	228.0	229.3	231.9	231.9	235.7	238.3	242.1	244.7
65°	199.9	201.1	202.4	203.7	206.3	206.3	207.5	210.1	212.7	215.2	219.1
67.5°	178.1	178.1	179.4	180.6	181.9	181.9	183.2	185.8	188.3	190.9	193.5
70°	153.7	155.0	155.0	155.0	156.3	157.6	158.9	160.1	162.7	164.0	166.5
72.5°	129.4	129.4	130.7	130.7	132.0	133.2	134.5	135.8	137.1	139.6	140.9
75°	105.1	105.1	106.3	106.3	107.6	107.6	107.6	110.2	111.5	114.0	115.3
77.5°	80.7	82.0	82.0	82.0	83.3	84.6	84.6	85.8	88.4	89.7	91.0
80°	58.9	58.9	58.9	58.9	60.2	61.5	62.8	62.8	65.3	67.9	69.2
82.5°	37.2	37.2	38.4	39.7	39.7	41.0	42.3	43.6	46.1	47.4	48.7
85°	19.2	19.2	20.5	21.8	23.1	24.3	24.3	25.6	28.2	30.7	32.0
87.5°	6.4	7.7	7.7	9.0	10.2	11.5	12.8	14.1	16.7	19.2	20.5
90°	1.3	1.3	1.3	2.6	3.8	3.8	5.1	6.4	7.7	9.0	11.5
92.5°	11.5	11.5	10.2	11.5	11.5	11.5	11.5	12.8	14.1	14.1	16.7
95°	34.6	33.3	33.3	33.3	33.3	33.3	33.3	34.6	35.9	35.9	37.2
97.5°	66.6	66.6	65.3	65.3	66.6	66.6	66.6	67.9	70.5	69.2	71.7
100°	103.8	103.8	102.5	103.8	105.1	106.3	108.9	108.9	111.5	111.5	115.3
102.5°	146.0	146.0	144.8	147.3	148.6	151.2	151.2	153.7	157.6	157.6	162.7
105°	188.3	189.6	189.6	192.2	194.7	197.3	197.3	201.1	206.3	206.3	212.7
107.5°	234.4	235.7	235.7	238.3	240.9	243.4	244.7	249.8	254.9	256.2	263.9
110°	279.3	280.6	281.8	284.4	287.0	290.8	293.4	298.5	304.9	307.5	313.9



TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	321.6	326.7	328.0	331.8	335.7	339.5	342.1	348.5	356.2	360.0	367.7
115°	370.2	372.8	374.1	377.9	383.1	386.9	389.5	395.9	403.6	408.7	417.6
117.5°	410.0	416.4	417.6	421.5	426.6	430.5	433.0	440.7	449.7	456.1	465.1
120°	452.2	457.4	462.5	465.1	468.9	474.0	476.6	484.3	494.5	500.9	511.2
122.5°	490.7	495.8	500.9	504.8	509.9	512.5	516.3	525.3	535.5	543.2	553.5
125°	529.1	535.5	539.4	543.2	549.6	552.2	556.0	565.0	575.2	584.2	594.4
127.5°	566.3	570.1	576.5	579.1	585.5	588.0	591.9	602.1	612.4	621.4	631.6
130°	600.9	606.0	611.1	612.4	620.1	623.9	627.8	636.7	648.3	657.2	667.5
132.5°	634.2	636.7	643.1	647.0	653.4	657.2	661.1	668.8	680.3	689.3	699.5
135°	664.9	667.5	675.2	679.0	682.8	686.7	691.8	699.5	711.0	720.0	730.2
137.5°	695.7	698.2	705.9	709.7	712.3	716.2	720.0	727.7	739.2	748.2	757.2
140°	723.8	726.4	731.5	736.7	739.2	741.8	745.6	753.3	763.6	772.5	781.5
142.5°	749.5	752.0	757.2	762.3	766.1	766.1	770.0	776.4	787.9	796.9	804.6
145°	773.8	775.1	780.2	785.3	790.5	790.5	791.7	798.1	808.4	818.6	826.3
147.5°	796.9	798.1	802.0	807.1	811.0	812.2	814.8	817.4	827.6	837.9	846.8
150°	817.4	818.6	821.2	826.3	828.9	831.5	834.0	835.3	843.0	852.0	862.2
152.5°	835.3	836.6	839.1	843.0	845.5	848.1	850.7	854.5	858.4	867.3	873.7
155°	853.2	854.5	855.8	859.6	862.2	863.5	864.8	869.9	873.7	878.9	885.3
157.5°	868.6	868.6	869.9	872.5	875.0	875.0	876.3	881.4	885.3	890.4	894.2
160°	881.4	881.4	882.7	885.3	885.3	886.5	887.8	891.7	894.2	900.6	905.8
162.5°	893.0	891.7	893.0	894.2	894.2	894.2	895.5	898.1	901.9	907.0	912.2
165°	901.9	901.9	901.9	903.2	903.2	901.9	901.9	904.5	907.0	910.9	914.7
167.5°	909.6	909.6	908.3	909.6	908.3	908.3	907.0	908.3	909.6	913.4	916.0
170°	916.0	914.7	914.7	914.7	913.4	912.2	912.2	912.2	912.2	914.7	917.3
172.5°	921.1	919.9	918.6	918.6	916.0	914.7	914.7	913.4	913.4	914.7	916.0
175°	922.4	921.1	919.9	919.9	917.3	916.0	914.7	914.7	913.4	914.7	916.0
177.5°	925.0	923.7	921.1	921.1	918.6	916.0	916.0	914.7	913.4	914.7	914.7
180°	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2



TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2
2.5°	513.7	513.7	512.5	511.2	511.2	509.9	508.6	507.3	506.0	504.8
5°	513.7	512.5	511.2	511.2	509.9	509.9	509.9	508.6	507.3	507.3
7.5°	513.7	513.7	512.5	511.2	511.2	511.2	511.2	511.2	509.9	509.9
10°	513.7	512.5	512.5	512.5	511.2	512.5	512.5	511.2	511.2	509.9
12.5°	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	511.2
15°	509.9	511.2	511.2	512.5	512.5	512.5	513.7	513.7	512.5	512.5
17.5°	508.6	509.9	511.2	512.5	512.5	512.5	513.7	513.7	513.7	513.7
20°	506.0	507.3	508.6	509.9	509.9	511.2	511.2	512.5	512.5	512.5
22.5°	500.9	502.2	504.8	506.0	507.3	508.6	509.9	509.9	509.9	509.9
25°	495.8	498.4	499.6	502.2	503.5	504.8	506.0	506.0	506.0	507.3
27.5°	489.4	492.0	495.8	497.1	498.4	499.6	500.9	502.2	502.2	502.2
30°	481.7	485.5	488.1	490.7	492.0	493.2	494.5	494.5	495.8	495.8
32.5°	472.7	476.6	479.1	481.7	483.0	484.3	486.8	486.8	488.1	488.1
35°	461.2	465.1	468.9	471.5	472.7	474.0	476.6	477.9	477.9	477.9
37.5°	449.7	453.5	457.4	461.2	462.5	463.8	466.3	466.3	467.6	467.6
40°	435.6	439.4	443.3	447.1	447.1	449.7	451.0	452.2	453.5	453.5
42.5°	421.5	425.3	427.9	431.7	433.0	434.3	435.6	438.1	438.1	439.4
45°	404.8	408.7	411.2	415.1	416.4	417.6	420.2	421.5	422.8	422.8
47.5°	386.9	389.5	392.0	395.9	398.4	399.7	401.0	402.3	403.6	402.3
50°	366.4	369.0	372.8	376.7	377.9	379.2	381.8	381.8	383.1	383.1
52.5°	344.6	348.5	351.0	354.9	356.2	357.4	360.0	360.0	361.3	361.3
55°	320.3	322.8	325.4	331.8	333.1	334.4	336.9	336.9	338.2	339.5
57.5°	297.2	298.5	302.3	304.9	307.5	307.5	308.8	310.0	311.3	311.3
60°	272.9	274.2	276.7	280.6	280.6	281.8	284.4	284.4	285.7	285.7
62.5°	247.3	249.8	252.4	256.2	254.9	256.2	258.8	258.8	260.1	260.1
65°	221.6	222.9	225.5	228.0	229.3	229.3	230.6	231.9	233.2	233.2
67.5°	194.7	197.3	198.6	202.4	201.1	202.4	203.7	203.7	205.0	205.0
70°	169.1	170.4	173.0	174.2	174.2	175.5	176.8	176.8	176.8	178.1
72.5°	143.5	144.8	146.0	147.3	147.3	148.6	149.9	149.9	151.2	151.2
75°	116.6	119.1	120.4	123.0	121.7	123.0	125.6	125.6	125.6	125.6
77.5°	93.5	94.8	97.4	98.6	98.6	98.6	101.2	99.9	101.2	101.2
80°	70.5	71.7	74.3	75.6	75.6	76.9	78.1	78.1	78.1	79.4
82.5°	50.0	52.5	55.1	56.4	56.4	57.7	58.9	58.9	60.2	60.2
85°	34.6	37.2	39.7	39.7	41.0	42.3	43.6	43.6	43.6	43.6
87.5°	23.1	24.3	25.6	26.9	28.2	28.2	29.5	29.5	30.7	30.7
90°	12.8	14.1	15.4	16.7	16.7	17.9	17.9	19.2	19.2	19.2
92.5°	17.9	17.9	19.2	20.5	20.5	20.5	20.5	21.8	21.8	21.8
95°	38.4	39.7	39.7	42.3	42.3	42.3	43.6	43.6	43.6	43.6
97.5°	74.3	74.3	74.3	76.9	76.9	76.9	78.1	78.1	78.1	79.4
100°	116.6	117.9	117.9	121.7	120.4	123.0	123.0	123.0	123.0	124.3
102.5°	164.0	166.5	167.8	171.7	171.7	171.7	174.2	173.0	174.2	174.2
105°	215.2	217.8	219.1	222.9	225.5	225.5	228.0	226.8	228.0	229.3
107.5°	266.5	270.3	272.9	276.7	279.3	280.6	280.6	281.8	283.1	284.4
110°	319.0	322.8	329.3	333.1	334.4	336.9	338.2	339.5	340.8	343.3



TEST NUMBER: P395609

CATALOG NUMBER: I3-FL-60L92765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	374.1	377.9	383.1	388.2	386.9	390.7	393.3	394.6	395.9	394.6
115°	424.1	429.2	434.3	439.4	439.4	442.0	447.1	448.4	448.4	451.0
117.5°	471.5	477.9	483.0	488.1	489.4	492.0	495.8	499.6	499.6	502.2
120°	517.6	525.3	530.4	535.5	538.1	539.4	543.2	548.3	548.3	548.3
122.5°	561.1	567.5	573.9	579.1	581.6	584.2	586.8	593.2	593.2	595.7
125°	602.1	609.8	616.2	621.4	623.9	626.5	631.6	635.4	636.7	636.7
127.5°	640.6	648.3	654.7	661.1	662.3	664.9	670.0	675.2	676.4	677.7
130°	676.4	684.1	690.5	696.9	699.5	700.8	707.2	711.0	713.6	714.9
132.5°	708.5	716.2	722.6	729.0	731.5	734.1	737.9	744.3	745.6	745.6
135°	737.9	745.6	752.0	759.7	761.0	763.6	768.7	772.5	775.1	776.4
137.5°	764.8	772.5	780.2	786.6	789.2	790.5	795.6	800.7	803.3	804.6
140°	789.2	796.9	804.6	809.7	811.0	814.8	818.6	823.8	826.3	827.6
142.5°	812.2	818.6	825.1	831.5	832.7	835.3	839.1	844.3	846.8	848.1
145°	832.7	839.1	844.3	849.4	850.7	853.2	857.1	860.9	863.5	864.8
147.5°	852.0	857.1	862.2	866.0	867.3	869.9	872.5	875.0	877.6	878.9
150°	868.6	871.2	876.3	878.9	880.1	882.7	885.3	887.8	890.4	891.7
152.5°	881.4	885.3	887.8	891.7	893.0	894.2	896.8	899.4	901.9	901.9
155°	891.7	895.5	898.1	901.9	903.2	904.5	907.0	908.3	910.9	910.9
157.5°	899.4	903.2	905.8	908.3	909.6	910.9	912.2	914.7	917.3	917.3
160°	908.3	909.6	910.9	913.4	913.4	914.7	916.0	917.3	919.9	919.9
162.5°	916.0	917.3	914.7	916.0	914.7	916.0	917.3	918.6	919.9	919.9
165°	918.6	921.1	919.9	921.1	921.1	921.1	921.1	922.4	922.4	922.4
167.5°	918.6	921.1	919.9	919.9	921.1	921.1	922.4	923.7	923.7	923.7
170°	918.6	919.9	918.6	917.3	918.6	918.6	918.6	919.9	919.9	919.9
172.5°	917.3	918.6	916.0	914.7	914.7	914.7	913.4	913.4	912.2	912.2
175°	916.0	916.0	913.4	912.2	912.2	912.2	909.6	908.3	907.0	905.8
177.5°	914.7	914.7	910.9	909.6	909.6	908.3	908.3	905.8	905.8	904.5
180°	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2	912.2

(END OF REPORT)