

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: P395615

Luminaire Tested: **I3-FL-60L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395615
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-60L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, FROSTED TOP COVER
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4269.9 lumens
Efficiency: N/A
Efficacy: 94.7 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

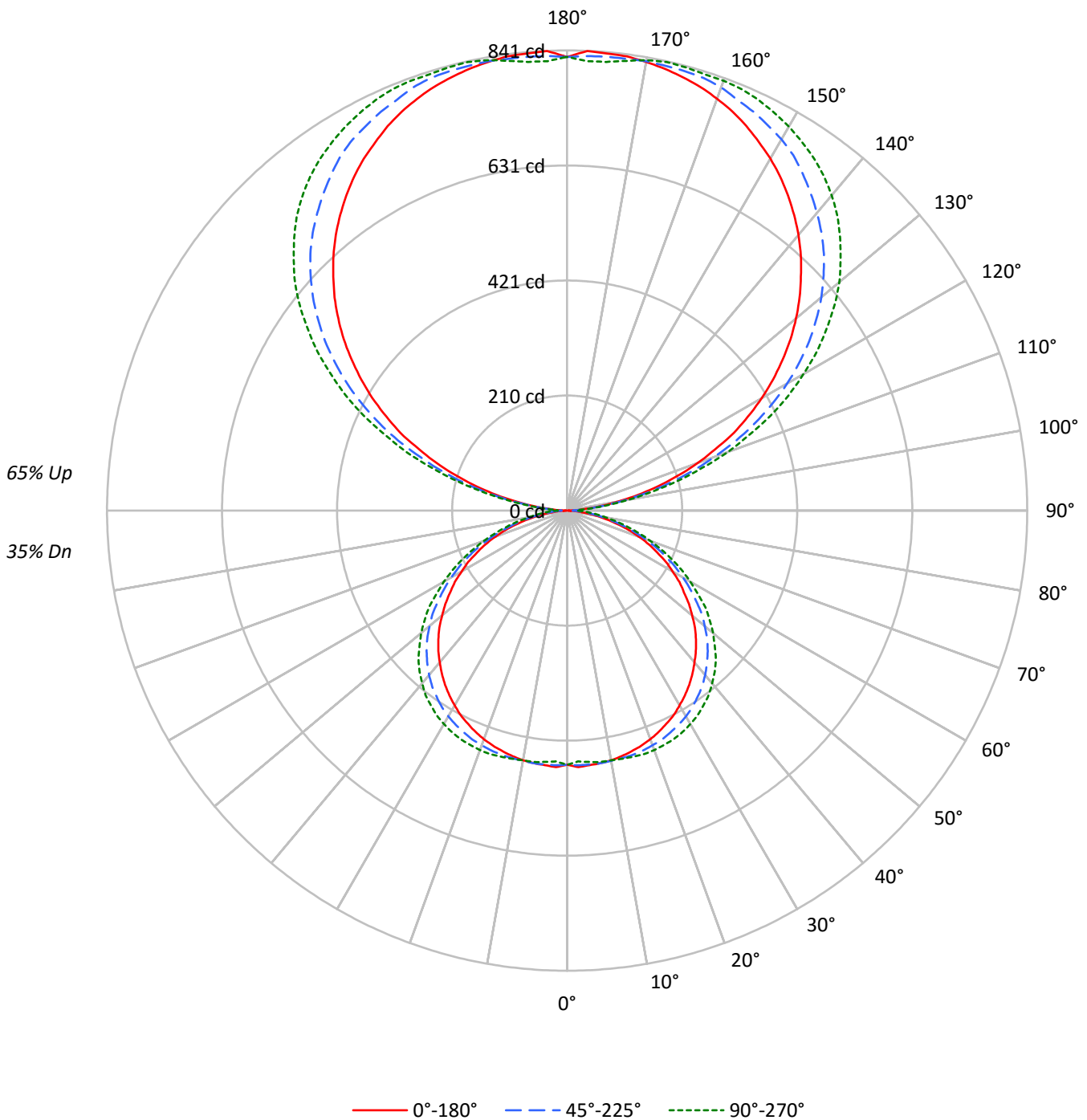
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2554	2554	2554
5°	2567	2512	2472
10°	2567	2477	2443
15°	2562	2456	2433
20°	2562	2434	2430
25°	2555	2413	2420
30°	2546	2390	2398
35°	2534	2352	2363
40°	2509	2302	2311
45°	2483	2231	2240
50°	2426	2133	2131
55°	2356	1998	2003
60°	2277	1840	1810
65°	2164	1649	1607
70°	2010	1406	1358
75°	1750	1117	1080
80°	1367	794	791
85°	742	454	519



TEST NUMBER: P395615

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.0
10°-20°	130.3	3.1
20°-30°	205.4	4.8
30°-40°	258.2	6.0
40°-50°	277.6	6.5
50°-60°	255.4	6.0
60°-70°	195.7	4.6
70°-80°	111.4	2.6
80°-90°	34.8	0.8
90°-100°	46.5	1.1
100°-110°	202.4	4.7
110°-120°	370.5	8.7
120°-130°	477.5	11.2
130°-140°	508.1	11.9
140°-150°	467.5	10.9
150°-160°	370.4	8.7
160°-170°	234.5	5.5
170°-180°	79.4	1.9
0°-30°	380.0	8.9
0°-40°	638.3	14.9
0°-60°	1171.3	27.4
0°-90°	1513.2	35.4
90°-120°	619.3	14.5
90°-150°	2072.5	48.5
90°-180°	2757.0	64.6
0°-180°	4269.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	465	465	465	465	465	
5°	467	462	466	463	461	44
15°	455	453	462	466	466	129
25°	430	431	447	458	461	198
35°	389	394	416	430	434	243
45°	333	341	363	378	384	256
55°	261	271	288	303	309	234
65°	182	188	199	208	212	180
75°	96	98	105	111	114	101
85°	18	22	29	37	40	22
90°	1	4	10	15	18	3
95°	31	30	34	38	40	39
105°	171	179	193	205	208	182
115°	336	352	380	399	410	330
125°	481	502	540	567	579	430
135°	604	624	664	692	706	466
145°	703	718	751	773	786	440
155°	776	785	805	821	828	357
165°	820	820	831	837	838	232
175°	838	832	832	829	823	80
180°	829	829	829	829	829	



TEST NUMBER: P395615

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6
2.5°	469.3	468.1	466.9	464.6	464.6	463.4	463.4	463.4	463.4	464.6	465.8
5°	466.9	466.9	465.8	463.4	463.4	462.3	462.3	463.4	462.3	463.4	465.8
7.5°	465.8	465.8	464.6	462.3	462.3	462.3	462.3	462.3	462.3	463.4	465.8
10°	463.4	463.4	461.1	459.9	459.9	459.9	459.9	461.1	461.1	462.3	464.6
12.5°	459.9	458.8	457.6	456.4	456.4	456.4	457.6	458.8	458.8	461.1	463.4
15°	455.3	455.3	454.1	452.9	452.9	452.9	454.1	455.3	456.4	458.8	462.3
17.5°	450.6	450.6	449.5	449.5	449.5	449.5	450.6	451.8	454.1	456.4	459.9
20°	444.8	444.8	443.6	443.6	443.6	444.8	444.8	447.1	449.5	452.9	456.4
22.5°	437.8	437.8	437.8	436.6	437.8	439.0	440.1	442.5	444.8	448.3	452.9
25°	429.7	429.7	429.7	429.7	430.8	430.8	433.2	435.5	437.8	442.5	447.1
27.5°	421.5	421.5	421.5	420.3	422.7	423.8	425.0	428.5	430.8	436.6	441.3
30°	411.0	411.0	411.0	412.2	413.4	414.5	416.9	420.3	422.7	428.5	434.3
32.5°	400.6	400.6	400.6	400.6	404.0	405.2	406.4	409.9	414.5	420.3	426.2
35°	388.9	388.9	388.9	390.1	392.4	393.6	395.9	399.4	404.0	409.9	415.7
37.5°	376.1	377.3	377.3	378.4	380.8	383.1	385.4	388.9	393.6	399.4	405.2
40°	362.1	363.3	363.3	364.5	366.8	369.1	371.4	376.1	380.8	386.6	392.4
42.5°	348.2	349.3	349.3	351.6	354.0	356.3	358.6	363.3	367.9	373.8	378.4
45°	333.0	334.2	334.2	336.5	340.0	341.2	344.7	349.3	354.0	358.6	363.3
47.5°	316.7	317.9	317.9	320.2	323.7	326.0	328.4	333.0	336.5	342.3	347.0
50°	298.1	299.2	300.4	302.7	307.4	309.7	312.1	315.6	320.2	323.7	328.4
52.5°	280.6	280.6	281.8	284.1	287.6	289.9	291.1	294.6	300.4	305.1	309.7
55°	260.8	262.0	263.2	265.5	269.0	271.3	272.5	276.0	279.5	282.9	287.6
57.5°	243.4	243.4	244.5	246.9	250.3	251.5	252.7	255.0	259.7	263.2	266.6
60°	222.4	223.6	224.7	227.1	229.4	231.7	231.7	235.2	238.7	242.2	244.5
62.5°	203.8	203.8	204.9	207.3	208.4	210.8	210.8	214.2	216.6	220.1	222.4
65°	181.6	182.8	184.0	185.1	187.5	187.5	188.6	191.0	193.3	195.6	199.1
67.5°	161.9	161.9	163.0	164.2	165.3	165.3	166.5	168.8	171.2	173.5	175.8
70°	139.7	140.9	140.9	140.9	142.1	143.2	144.4	145.5	147.9	149.0	151.4
72.5°	117.6	117.6	118.8	118.8	119.9	121.1	122.3	123.4	124.6	126.9	128.1
75°	95.5	95.5	96.6	96.6	97.8	97.8	97.8	100.1	101.3	103.6	104.8
77.5°	73.4	74.5	74.5	74.5	75.7	76.9	76.9	78.0	80.3	81.5	82.7
80°	53.6	53.6	53.6	53.6	54.7	55.9	57.1	57.1	59.4	61.7	62.9
82.5°	33.8	33.8	34.9	36.1	36.1	37.3	38.4	39.6	41.9	43.1	44.2
85°	17.5	17.5	18.6	19.8	21.0	22.1	22.1	23.3	25.6	27.9	29.1
87.5°	5.8	7.0	7.0	8.2	9.3	10.5	11.6	12.8	15.1	17.5	18.6
90°	1.2	1.2	1.2	2.3	3.5	3.5	4.7	5.8	7.0	8.2	10.5
92.5°	10.5	10.5	9.3	10.5	10.5	10.5	10.5	11.6	12.8	12.8	15.1
95°	31.4	30.3	30.3	30.3	30.3	30.3	30.3	31.4	32.6	32.6	33.8
97.5°	60.5	60.5	59.4	59.4	60.5	60.5	60.5	61.7	64.0	62.9	65.2
100°	94.3	94.3	93.2	94.3	95.5	96.6	99.0	99.0	101.3	101.3	104.8
102.5°	132.7	132.7	131.6	133.9	135.1	137.4	137.4	139.7	143.2	143.2	147.9
105°	171.2	172.3	172.3	174.7	177.0	179.3	179.3	182.8	187.5	187.5	193.3
107.5°	213.1	214.2	214.2	216.6	218.9	221.2	222.4	227.1	231.7	232.9	239.9
110°	253.8	255.0	256.2	258.5	260.8	264.3	266.6	271.3	277.1	279.5	285.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	292.3	296.9	298.1	301.6	305.1	308.6	310.9	316.7	323.7	327.2	334.2
115°	336.5	338.8	340.0	343.5	348.2	351.6	354.0	359.8	366.8	371.4	379.6
117.5°	372.6	378.4	379.6	383.1	387.7	391.2	393.6	400.6	408.7	414.5	422.7
120°	411.0	415.7	420.3	422.7	426.2	430.8	433.2	440.1	449.5	455.3	464.6
122.5°	446.0	450.6	455.3	458.8	463.4	465.8	469.3	477.4	486.7	493.7	503.0
125°	480.9	486.7	490.2	493.7	499.5	501.9	505.3	513.5	522.8	531.0	540.3
127.5°	514.7	518.2	524.0	526.3	532.1	534.5	538.0	547.3	556.6	564.7	574.0
130°	546.1	550.8	555.4	556.6	563.6	567.1	570.6	578.7	589.2	597.3	606.7
132.5°	576.4	578.7	584.5	588.0	593.8	597.3	600.8	607.8	618.3	626.4	635.8
135°	604.3	606.7	613.6	617.1	620.6	624.1	628.8	635.8	646.2	654.4	663.7
137.5°	632.3	634.6	641.6	645.1	647.4	650.9	654.4	661.4	671.9	680.0	688.2
140°	657.9	660.2	664.9	669.5	671.9	674.2	677.7	684.7	694.0	702.1	710.3
142.5°	681.2	683.5	688.2	692.8	696.3	696.3	699.8	705.6	716.1	724.3	731.2
145°	703.3	704.5	709.1	713.8	718.4	718.4	719.6	725.4	734.7	744.0	751.0
147.5°	724.3	725.4	728.9	733.6	737.1	738.2	740.6	742.9	752.2	761.5	769.7
150°	742.9	744.0	746.4	751.0	753.4	755.7	758.0	759.2	766.2	774.3	783.6
152.5°	759.2	760.4	762.7	766.2	768.5	770.8	773.2	776.7	780.1	788.3	794.1
155°	775.5	776.7	777.8	781.3	783.6	784.8	786.0	790.6	794.1	798.8	804.6
157.5°	789.5	789.5	790.6	793.0	795.3	795.3	796.4	801.1	804.6	809.3	812.7
160°	801.1	801.1	802.3	804.6	804.6	805.8	806.9	810.4	812.7	818.6	823.2
162.5°	811.6	810.4	811.6	812.7	812.7	812.7	813.9	816.2	819.7	824.4	829.0
165°	819.7	819.7	819.7	820.9	820.9	819.7	819.7	822.1	824.4	827.9	831.4
167.5°	826.7	826.7	825.6	826.7	825.6	825.6	824.4	825.6	826.7	830.2	832.5
170°	832.5	831.4	831.4	831.4	830.2	829.0	829.0	829.0	829.0	831.4	833.7
172.5°	837.2	836.0	834.9	834.9	832.5	831.4	831.4	830.2	830.2	831.4	832.5
175°	838.4	837.2	836.0	836.0	833.7	832.5	831.4	831.4	830.2	831.4	832.5
177.5°	840.7	839.5	837.2	837.2	834.9	832.5	832.5	831.4	830.2	831.4	831.4
180°	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6	464.6
2.5°	466.9	466.9	465.8	464.6	464.6	463.4	462.3	461.1	459.9	458.8
5°	466.9	465.8	464.6	464.6	463.4	463.4	463.4	462.3	461.1	461.1
7.5°	466.9	466.9	465.8	464.6	464.6	464.6	464.6	464.6	463.4	463.4
10°	466.9	465.8	465.8	465.8	464.6	465.8	465.8	464.6	464.6	463.4
12.5°	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	465.8	464.6
15°	463.4	464.6	464.6	465.8	465.8	465.8	466.9	466.9	465.8	465.8
17.5°	462.3	463.4	464.6	465.8	465.8	465.8	466.9	466.9	466.9	466.9
20°	459.9	461.1	462.3	463.4	463.4	464.6	464.6	465.8	465.8	465.8
22.5°	455.3	456.4	458.8	459.9	461.1	462.3	463.4	463.4	463.4	463.4
25°	450.6	452.9	454.1	456.4	457.6	458.8	459.9	459.9	459.9	461.1
27.5°	444.8	447.1	450.6	451.8	452.9	454.1	455.3	456.4	456.4	456.4
30°	437.8	441.3	443.6	446.0	447.1	448.3	449.5	449.5	450.6	450.6
32.5°	429.7	433.2	435.5	437.8	439.0	440.1	442.5	442.5	443.6	443.6
35°	419.2	422.7	426.2	428.5	429.7	430.8	433.2	434.3	434.3	434.3
37.5°	408.7	412.2	415.7	419.2	420.3	421.5	423.8	423.8	425.0	425.0
40°	395.9	399.4	402.9	406.4	406.4	408.7	409.9	411.0	412.2	412.2
42.5°	383.1	386.6	388.9	392.4	393.6	394.7	395.9	398.2	398.2	399.4
45°	367.9	371.4	373.8	377.3	378.4	379.6	381.9	383.1	384.3	384.3
47.5°	351.6	354.0	356.3	359.8	362.1	363.3	364.5	365.6	366.8	365.6
50°	333.0	335.3	338.8	342.3	343.5	344.7	347.0	347.0	348.2	348.2
52.5°	313.2	316.7	319.0	322.5	323.7	324.9	327.2	327.2	328.4	328.4
55°	291.1	293.4	295.8	301.6	302.7	303.9	306.2	306.2	307.4	308.6
57.5°	270.1	271.3	274.8	277.1	279.5	279.5	280.6	281.8	282.9	282.9
60°	248.0	249.2	251.5	255.0	255.0	256.2	258.5	258.5	259.7	259.7
62.5°	224.7	227.1	229.4	232.9	231.7	232.9	235.2	235.2	236.4	236.4
65°	201.4	202.6	204.9	207.3	208.4	208.4	209.6	210.8	211.9	211.9
67.5°	177.0	179.3	180.5	184.0	182.8	184.0	185.1	185.1	186.3	186.3
70°	153.7	154.9	157.2	158.4	158.4	159.5	160.7	160.7	160.7	161.9
72.5°	130.4	131.6	132.7	133.9	133.9	135.1	136.2	136.2	137.4	137.4
75°	106.0	108.3	109.5	111.8	110.6	111.8	114.1	114.1	114.1	114.1
77.5°	85.0	86.2	88.5	89.7	89.7	89.7	92.0	90.8	92.0	92.0
80°	64.0	65.2	67.5	68.7	68.7	69.9	71.0	71.0	71.0	72.2
82.5°	45.4	47.7	50.1	51.2	51.2	52.4	53.6	53.6	54.7	54.7
85°	31.4	33.8	36.1	36.1	37.3	38.4	39.6	39.6	39.6	39.6
87.5°	21.0	22.1	23.3	24.5	25.6	25.6	26.8	26.8	27.9	27.9
90°	11.6	12.8	14.0	15.1	15.1	16.3	16.3	17.5	17.5	17.5
92.5°	16.3	16.3	17.5	18.6	18.6	18.6	18.6	19.8	19.8	19.8
95°	34.9	36.1	36.1	38.4	38.4	38.4	39.6	39.6	39.6	39.6
97.5°	67.5	67.5	67.5	69.9	69.9	69.9	71.0	71.0	71.0	72.2
100°	106.0	107.1	107.1	110.6	109.5	111.8	111.8	111.8	111.8	112.9
102.5°	149.0	151.4	152.5	156.0	156.0	156.0	158.4	157.2	158.4	158.4
105°	195.6	197.9	199.1	202.6	204.9	204.9	207.3	206.1	207.3	208.4
107.5°	242.2	245.7	248.0	251.5	253.8	255.0	255.0	256.2	257.3	258.5
110°	289.9	293.4	299.2	302.7	303.9	306.2	307.4	308.6	309.7	312.1



TEST NUMBER: P395615

CATALOG NUMBER: I3-FL-60L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	340.0	343.5	348.2	352.8	351.6	355.1	357.5	358.6	359.8	358.6
115°	385.4	390.1	394.7	399.4	399.4	401.7	406.4	407.5	407.5	409.9
117.5°	428.5	434.3	439.0	443.6	444.8	447.1	450.6	454.1	454.1	456.4
120°	470.4	477.4	482.1	486.7	489.0	490.2	493.7	498.4	498.4	498.4
122.5°	510.0	515.8	521.6	526.3	528.6	531.0	533.3	539.1	539.1	541.4
125°	547.3	554.3	560.1	564.7	567.1	569.4	574.0	577.5	578.7	578.7
127.5°	582.2	589.2	595.0	600.8	602.0	604.3	609.0	613.6	614.8	616.0
130°	614.8	621.8	627.6	633.4	635.8	636.9	642.7	646.2	648.6	649.7
132.5°	643.9	650.9	656.7	662.5	664.9	667.2	670.7	676.5	677.7	677.7
135°	670.7	677.7	683.5	690.5	691.7	694.0	698.6	702.1	704.5	705.6
137.5°	695.1	702.1	709.1	714.9	717.3	718.4	723.1	727.7	730.1	731.2
140°	717.3	724.3	731.2	735.9	737.1	740.6	744.0	748.7	751.0	752.2
142.5°	738.2	744.0	749.9	755.7	756.9	759.2	762.7	767.3	769.7	770.8
145°	756.9	762.7	767.3	772.0	773.2	775.5	779.0	782.5	784.8	786.0
147.5°	774.3	779.0	783.6	787.1	788.3	790.6	793.0	795.3	797.6	798.8
150°	789.5	791.8	796.4	798.8	799.9	802.3	804.6	806.9	809.3	810.4
152.5°	801.1	804.6	806.9	810.4	811.6	812.7	815.1	817.4	819.7	819.7
155°	810.4	813.9	816.2	819.7	820.9	822.1	824.4	825.6	827.9	827.9
157.5°	817.4	820.9	823.2	825.6	826.7	827.9	829.0	831.4	833.7	833.7
160°	825.6	826.7	827.9	830.2	830.2	831.4	832.5	833.7	836.0	836.0
162.5°	832.5	833.7	831.4	832.5	831.4	832.5	833.7	834.9	836.0	836.0
165°	834.9	837.2	836.0	837.2	837.2	837.2	837.2	838.4	838.4	838.4
167.5°	834.9	837.2	836.0	836.0	837.2	837.2	838.4	839.5	839.5	839.5
170°	834.9	836.0	834.9	833.7	834.9	834.9	834.9	836.0	836.0	836.0
172.5°	833.7	834.9	832.5	831.4	831.4	831.4	830.2	830.2	829.0	829.0
175°	832.5	832.5	830.2	829.0	829.0	829.0	826.7	825.6	824.4	823.2
177.5°	831.4	831.4	827.9	826.7	826.7	825.6	825.6	823.2	823.2	822.1
180°	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0	829.0

(END OF REPORT)