

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: P395459

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

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-CL-60L93050-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, CLEAR 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: 4326.8 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

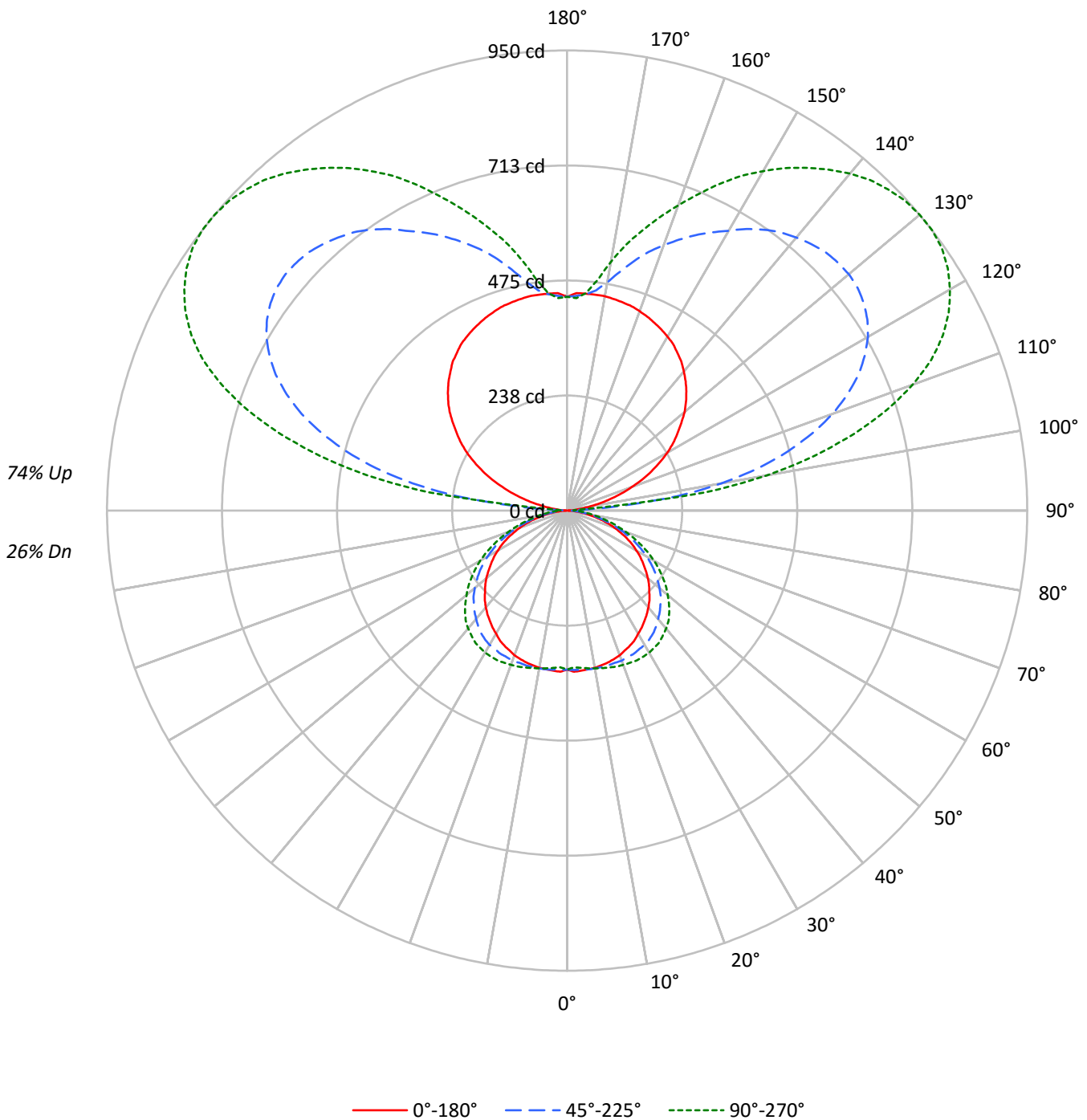
Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

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	101	101	101	101	91	91	91	91	70	70	70	51	51	51	34	34	34	26
1	92	88	84	81	82	79	75	73	61	59	57	45	43	42	30	29	28	22
2	84	77	71	65	74	68	63	59	53	50	47	39	37	35	26	25	24	18
3	76	67	60	54	68	60	54	49	47	42	39	34	32	29	23	21	20	15
4	70	59	51	45	62	53	46	41	41	37	33	30	27	25	20	18	17	13
5	64	52	44	39	56	47	40	35	37	32	28	27	24	21	18	16	15	11
6	58	47	39	33	52	42	35	30	33	28	24	24	21	18	16	14	13	9
7	54	42	34	29	48	38	31	26	30	25	21	22	19	16	15	13	11	8
8	50	38	30	25	44	34	27	23	27	22	18	20	17	14	14	11	10	7
9	46	34	27	22	41	31	25	20	24	20	16	18	15	13	12	10	9	6
10	43	31	24	20	38	28	22	18	22	18	15	17	13	11	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1804	1804	1804
5°	1824	1777	1748
10°	1825	1763	1743
15°	1827	1757	1752
20°	1831	1757	1767
25°	1828	1759	1790
30°	1817	1762	1803
35°	1813	1752	1805
40°	1807	1714	1782
45°	1789	1673	1738
50°	1772	1618	1660
55°	1735	1536	1565
60°	1692	1429	1444
65°	1623	1283	1280
70°	1508	1092	1084
75°	1301	869	871
80°	1010	617	637
85°	594	383	427



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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.4	0.7
10°-20°	93.3	2.2
20°-30°	149.6	3.5
30°-40°	191.4	4.4
40°-50°	208.7	4.8
50°-60°	195.5	4.5
60°-70°	151.7	3.5
70°-80°	86.9	2.0
80°-90°	27.8	0.6
90°-100°	111.6	2.6
100°-110°	433.8	10.0
110°-120°	590.6	13.6
120°-130°	613.1	14.2
130°-140°	543.8	12.6
140°-150°	421.9	9.8
150°-160°	281.6	6.5
160°-170°	150.1	3.5
170°-180°	43.9	1.0
0°-30°	274.4	6.3
0°-40°	465.8	10.8
0°-60°	870.0	20.1
0°-90°	1136.4	26.3
90°-120°	1136.0	26.3
90°-150°	2714.8	62.7
90°-180°	3190.0	73.7
0°-180°	4326.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	328	328	328	328	328	
5°	332	328	330	328	326	32
15°	325	324	331	335	335	92
25°	307	310	326	338	341	142
35°	278	284	310	326	332	174
45°	240	250	272	290	298	185
55°	192	203	221	236	241	172
65°	136	142	155	165	169	134
75°	71	74	82	90	92	76
85°	14	16	24	31	33	17
90°	1	4	8	12	14	2
95°	14	79	108	22	21	18
105°	92	278	472	560	614	98
115°	192	430	664	780	856	189
125°	278	506	748	878	944	249
135°	348	533	754	885	937	268
145°	397	533	708	822	864	249
155°	427	504	628	711	744	197
165°	445	463	533	583	598	126
175°	449	447	448	451	451	43
180°	441	441	441	441	441	



TEST NUMBER: P395459

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3
2.5°	333.0	331.8	331.8	329.5	329.5	328.3	328.3	328.3	328.3	328.3	329.5
5°	331.8	331.8	330.7	329.5	329.5	328.3	328.3	328.3	328.3	328.3	329.5
7.5°	330.7	330.7	329.5	328.3	328.3	328.3	328.3	328.3	328.3	328.3	330.7
10°	329.5	329.5	328.3	327.2	327.2	327.2	327.2	328.3	328.3	328.3	330.7
12.5°	327.2	326.0	326.0	324.8	324.8	324.8	326.0	326.0	327.2	328.3	330.7
15°	324.8	324.8	323.7	322.5	323.7	323.7	323.7	324.8	326.0	327.2	330.7
17.5°	321.4	321.4	320.2	320.2	320.2	321.4	321.4	322.5	324.8	327.2	329.5
20°	317.9	316.7	316.7	316.7	317.9	317.9	319.0	321.4	322.5	326.0	329.5
22.5°	312.0	313.2	312.0	312.0	313.2	314.4	315.5	317.9	320.2	323.7	327.2
25°	307.4	307.4	307.4	307.4	309.7	309.7	312.0	314.4	317.9	321.4	326.0
27.5°	301.6	301.6	301.6	302.7	303.9	305.1	306.2	309.7	313.2	317.9	322.5
30°	293.4	293.4	293.4	293.4	296.9	298.1	300.4	305.1	308.5	314.4	320.2
32.5°	286.4	286.4	286.4	287.6	289.9	291.1	293.4	299.2	303.9	309.7	315.5
35°	278.3	278.3	279.4	279.4	282.9	284.1	286.4	291.1	295.7	302.7	309.7
37.5°	270.1	270.1	271.3	272.5	274.8	277.1	279.4	284.1	288.8	294.6	301.6
40°	260.8	260.8	262.0	263.1	266.6	269.0	271.3	275.9	280.6	286.4	292.2
42.5°	251.5	251.5	252.7	253.8	257.3	259.6	262.0	267.8	272.5	278.3	282.9
45°	239.9	241.0	242.2	244.5	248.0	250.3	252.7	257.3	263.1	267.8	272.5
47.5°	229.4	230.5	231.7	234.0	237.5	239.9	242.2	246.8	251.5	256.2	262.0
50°	217.7	218.9	220.1	222.4	225.9	228.2	230.5	235.2	239.9	243.3	249.2
52.5°	204.9	206.1	207.2	209.6	214.2	215.4	217.7	222.4	225.9	230.5	235.2
55°	192.1	193.3	194.4	196.8	200.3	202.6	203.8	208.4	211.9	216.6	221.2
57.5°	179.3	180.5	181.6	184.0	186.3	188.6	189.8	193.3	197.9	201.4	206.1
60°	165.3	166.5	167.7	168.8	172.3	173.5	174.6	178.1	181.6	186.3	189.8
62.5°	151.4	151.4	152.5	153.7	157.2	158.3	159.5	161.8	166.5	168.8	172.3
65°	136.2	136.2	137.4	138.6	140.9	142.0	143.2	145.5	149.0	151.4	154.9
67.5°	119.9	119.9	121.1	122.3	124.6	125.7	125.7	129.2	131.6	133.9	136.2
70°	104.8	104.8	106.0	106.0	107.1	108.3	109.4	111.8	112.9	116.4	117.6
72.5°	88.5	88.5	88.5	88.5	90.8	90.8	92.0	94.3	95.5	97.8	100.1
75°	71.0	71.0	72.2	72.2	73.4	74.5	75.7	76.8	79.2	80.3	81.5
77.5°	55.9	54.7	55.9	57.1	58.2	58.2	59.4	60.5	61.7	64.0	65.2
80°	39.6	39.6	39.6	40.8	41.9	41.9	43.1	44.2	45.4	47.7	48.9
82.5°	25.6	25.6	26.8	26.8	27.9	29.1	29.1	30.3	31.4	33.8	34.9
85°	14.0	14.0	14.0	15.1	16.3	16.3	17.5	18.6	21.0	22.1	24.5
87.5°	4.7	4.7	5.8	7.0	8.2	8.2	9.3	10.5	11.6	14.0	15.1
90°	1.2	1.2	1.2	2.3	2.3	3.5	3.5	4.7	5.8	7.0	8.2
92.5°	4.7	8.2	12.8	18.6	17.5	18.6	12.8	8.2	8.2	8.2	9.3
95°	14.0	21.0	33.8	53.6	69.9	79.2	87.3	95.5	111.8	112.9	108.3
97.5°	27.9	38.4	61.7	87.3	116.4	131.6	143.2	167.7	193.3	209.6	229.4
100°	46.6	61.7	92.0	126.9	160.7	180.5	199.1	234.0	265.5	293.4	323.7
102.5°	68.7	86.2	123.4	166.5	208.4	230.5	250.3	291.1	334.2	371.4	404.0
105°	92.0	111.8	156.0	204.9	252.7	278.3	302.7	347.0	392.4	433.1	471.6
107.5°	117.6	138.6	186.3	241.0	294.6	323.7	350.5	398.2	445.9	490.2	530.9
110°	142.0	165.3	215.4	274.8	335.3	364.4	391.2	443.6	493.7	540.2	583.3



TEST NUMBER: P395459

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	167.7	192.1	242.2	307.4	369.1	399.4	427.3	483.2	535.6	583.3	626.4
115°	192.1	215.4	267.8	335.3	398.2	429.6	459.9	517.0	571.7	619.4	663.7
117.5°	215.4	237.5	291.1	358.6	423.8	455.3	485.5	544.9	599.6	649.7	692.8
120°	238.7	258.5	316.7	378.4	444.8	476.2	507.6	567.0	622.9	673.0	717.2
122.5°	259.6	278.3	335.3	395.9	461.1	493.7	523.9	584.5	641.5	691.6	734.7
125°	278.3	295.7	352.8	409.8	475.0	506.5	537.9	597.3	654.4	703.3	747.5
127.5°	296.9	314.4	365.6	423.8	484.4	517.0	547.2	606.6	662.5	712.6	755.6
130°	316.7	329.5	378.4	436.6	493.7	523.9	555.4	612.4	667.2	716.1	759.1
132.5°	333.0	344.6	391.2	447.1	500.7	529.8	557.7	614.8	669.5	716.1	758.0
135°	348.1	357.4	400.5	456.4	506.5	533.3	560.0	613.6	667.2	713.7	754.5
137.5°	362.1	371.4	408.7	463.4	511.1	534.4	560.0	610.1	661.3	707.9	746.3
140°	374.9	381.9	415.7	466.9	513.5	535.6	557.7	604.3	652.0	697.4	735.9
142.5°	387.7	393.5	421.5	469.2	514.6	535.6	556.5	597.3	641.5	685.8	724.2
145°	397.0	402.9	426.1	470.4	513.5	533.3	551.9	590.3	629.9	670.7	707.9
147.5°	407.5	412.2	430.8	468.1	510.0	528.6	546.1	581.0	617.1	654.4	689.3
150°	414.5	419.2	433.1	465.7	504.2	521.6	539.1	571.7	604.3	636.9	667.2
152.5°	421.5	425.0	436.6	462.2	497.2	513.5	529.8	561.2	591.5	620.6	647.4
155°	427.3	430.8	439.0	459.9	489.0	504.2	519.3	549.6	577.5	603.1	627.6
157.5°	433.1	435.5	441.3	456.4	479.7	493.7	507.6	534.4	560.0	585.7	605.4
160°	437.8	439.0	443.6	455.3	471.6	482.0	494.8	519.3	542.6	564.7	583.3
162.5°	442.4	442.4	445.9	452.9	464.6	471.6	480.9	501.8	522.8	542.6	560.0
165°	444.8	444.8	447.1	451.8	458.7	463.4	469.2	483.2	499.5	517.0	533.3
167.5°	447.1	447.1	448.3	450.6	455.3	457.6	459.9	469.2	479.7	492.5	505.3
170°	449.4	448.3	448.3	450.6	451.8	452.9	454.1	458.7	463.4	471.6	478.5
172.5°	449.4	448.3	448.3	449.4	449.4	449.4	449.4	450.6	451.8	456.4	458.7
175°	449.4	448.3	448.3	448.3	448.3	447.1	447.1	447.1	447.1	447.1	448.3
177.5°	449.4	448.3	447.1	447.1	445.9	445.9	444.8	444.8	443.6	443.6	443.6
180°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3



TEST NUMBER: P395459

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3	328.3
2.5°	329.5	329.5	328.3	328.3	327.2	327.2	326.0	324.8	323.7	323.7
5°	330.7	329.5	328.3	328.3	328.3	327.2	327.2	327.2	326.0	326.0
7.5°	330.7	330.7	330.7	329.5	329.5	329.5	329.5	329.5	328.3	328.3
10°	331.8	331.8	331.8	331.8	331.8	331.8	331.8	330.7	330.7	330.7
12.5°	331.8	331.8	331.8	333.0	333.0	333.0	333.0	333.0	333.0	333.0
15°	333.0	333.0	334.2	334.2	335.3	335.3	336.5	336.5	336.5	335.3
17.5°	331.8	333.0	334.2	335.3	336.5	336.5	337.7	337.7	337.7	337.7
20°	331.8	334.2	335.3	336.5	337.7	337.7	338.8	340.0	340.0	338.8
22.5°	330.7	333.0	334.2	336.5	337.7	337.7	340.0	340.0	340.0	340.0
25°	329.5	331.8	334.2	336.5	337.7	337.7	340.0	340.0	341.1	341.1
27.5°	327.2	329.5	333.0	335.3	336.5	337.7	338.8	340.0	340.0	340.0
30°	323.7	327.2	330.7	333.0	334.2	335.3	336.5	337.7	338.8	338.8
32.5°	319.0	322.5	326.0	329.5	330.7	331.8	334.2	335.3	335.3	335.3
35°	314.4	317.9	321.4	324.8	326.0	327.2	329.5	330.7	331.8	331.8
37.5°	307.4	310.9	314.4	317.9	319.0	321.4	323.7	324.8	324.8	324.8
40°	296.9	302.7	307.4	310.9	312.0	314.4	315.5	317.9	317.9	317.9
42.5°	287.6	292.2	295.7	300.4	301.6	305.1	307.4	308.5	309.7	309.7
45°	277.1	281.8	285.3	288.8	289.9	292.2	294.6	295.7	296.9	298.1
47.5°	266.6	270.1	273.6	277.1	278.3	280.6	282.9	284.1	285.3	285.3
50°	253.8	257.3	260.8	264.3	265.5	267.8	269.0	270.1	271.3	271.3
52.5°	239.9	243.3	246.8	250.3	251.5	252.7	255.0	256.2	257.3	257.3
55°	225.9	229.4	231.7	235.2	236.4	237.5	238.7	241.0	242.2	241.0
57.5°	209.6	213.1	215.4	218.9	220.1	221.2	222.4	223.6	224.7	224.7
60°	192.1	195.6	199.1	201.4	202.6	203.8	204.9	206.1	207.2	207.2
62.5°	174.6	178.1	180.5	184.0	185.1	185.1	186.3	187.5	188.6	188.6
65°	157.2	160.7	161.8	165.3	165.3	166.5	167.7	168.8	168.8	168.8
67.5°	138.6	142.0	143.2	145.5	145.5	146.7	147.9	149.0	149.0	149.0
70°	121.1	122.3	124.6	125.7	126.9	126.9	128.1	129.2	130.4	129.2
72.5°	102.5	103.6	106.0	107.1	107.1	108.3	108.3	109.4	110.6	110.6
75°	83.8	86.2	87.3	88.5	89.7	89.7	90.8	92.0	92.0	92.0
77.5°	66.4	68.7	69.9	71.0	72.2	72.2	73.4	73.4	74.5	73.4
80°	51.2	52.4	53.6	54.7	55.9	55.9	57.1	58.2	58.2	58.2
82.5°	37.3	38.4	40.8	41.9	41.9	41.9	44.2	44.2	45.4	44.2
85°	25.6	26.8	29.1	30.3	31.4	31.4	31.4	32.6	33.8	32.6
87.5°	16.3	18.6	19.8	21.0	21.0	21.0	22.1	23.3	23.3	23.3
90°	9.3	9.3	10.5	11.6	11.6	12.8	12.8	14.0	14.0	14.0
92.5°	9.3	10.5	10.5	10.5	11.6	11.6	11.6	12.8	12.8	12.8
95°	79.2	57.1	32.6	25.6	22.1	22.1	21.0	22.1	21.0	21.0
97.5°	239.9	259.6	269.0	281.8	288.8	287.6	282.9	287.6	284.1	287.6
100°	341.1	359.8	373.7	377.2	384.2	387.7	400.5	409.8	414.5	420.3
102.5°	423.8	445.9	462.2	471.6	478.5	483.2	498.3	512.3	519.3	523.9
105°	499.5	522.8	542.6	551.9	560.0	564.7	581.0	597.3	607.8	613.6
107.5°	560.0	586.8	607.8	621.7	629.9	638.0	657.8	674.1	687.0	692.8
110°	614.8	641.5	663.7	680.0	689.3	697.4	719.6	738.2	752.2	759.1



TEST NUMBER: P395459

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	660.2	689.3	711.4	728.9	738.2	749.8	770.8	791.7	805.7	813.9
115°	697.4	727.7	751.0	769.6	780.1	790.6	815.0	836.0	850.0	855.8
117.5°	728.9	759.1	783.6	802.2	813.9	825.5	850.0	868.6	883.7	888.4
120°	754.5	784.8	809.2	830.2	841.8	852.3	875.6	895.4	909.3	912.8
122.5°	771.9	803.4	829.0	852.3	862.8	873.2	895.4	915.2	928.0	931.5
125°	784.8	817.4	843.0	867.4	877.9	888.4	909.3	929.1	939.6	944.3
127.5°	792.9	825.5	853.4	876.7	888.4	897.7	918.7	936.1	946.6	950.1
130°	795.2	829.0	856.9	881.4	891.9	901.2	921.0	938.4	947.8	950.1
132.5°	795.2	827.8	856.9	880.2	890.7	900.0	918.7	935.0	944.3	946.6
135°	790.6	822.0	851.1	874.4	884.9	894.2	912.8	926.8	936.1	937.3
137.5°	782.4	812.7	840.6	863.9	874.4	883.7	900.0	915.2	923.3	925.6
140°	771.9	799.9	827.8	850.0	860.4	868.6	884.9	897.7	905.8	908.2
142.5°	758.0	785.9	811.5	833.7	841.8	851.1	865.1	877.9	884.9	887.2
145°	742.8	769.6	792.9	812.7	822.0	830.2	843.0	854.6	861.6	863.9
147.5°	723.0	749.8	771.9	790.6	798.7	806.9	818.5	829.0	836.0	838.3
150°	698.6	723.0	746.3	763.8	771.9	780.1	791.7	801.1	808.0	809.2
152.5°	674.1	697.4	717.2	734.7	742.8	751.0	761.5	770.8	778.9	778.9
155°	650.9	670.7	689.3	704.4	711.4	718.4	728.9	737.0	744.0	744.0
157.5°	626.4	645.0	660.2	674.1	680.0	685.8	695.1	702.1	707.9	706.7
160°	603.1	617.1	631.1	642.7	648.5	653.2	660.2	666.0	671.8	670.7
162.5°	577.5	590.3	602.0	610.1	614.8	618.3	625.2	631.1	634.6	634.6
165°	548.4	560.0	570.5	578.7	583.3	585.7	591.5	595.0	598.5	598.5
167.5°	518.1	527.4	536.8	543.7	548.4	550.7	556.5	558.9	563.5	562.4
170°	487.9	494.8	501.8	507.6	510.0	512.3	517.0	519.3	521.6	521.6
172.5°	463.4	465.7	469.2	473.9	473.9	475.0	477.4	478.5	479.7	479.7
175°	449.4	450.6	450.6	450.6	450.6	450.6	451.8	450.6	451.8	450.6
177.5°	443.6	443.6	442.4	442.4	441.3	442.4	441.3	440.1	440.1	439.0
180°	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3	441.3

(END OF REPORT)