

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: P395410

Luminaire Tested: **I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395410
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-40L93050-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3453.7 lumens
Efficiency: N/A
Efficacy: 118.7 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

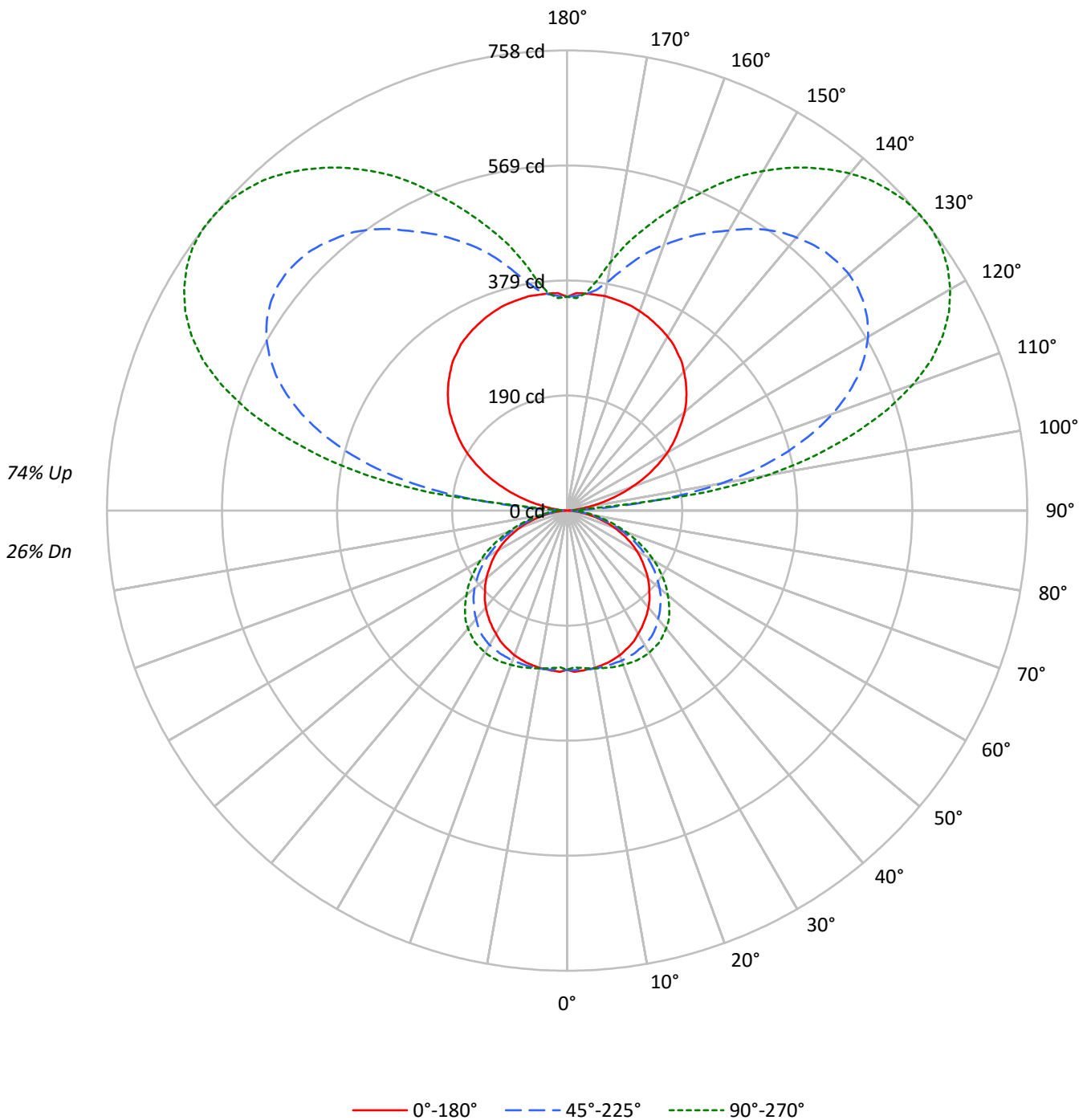
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395410

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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°	1441	1441	1441
5°	1456	1418	1395
10°	1457	1407	1391
15°	1459	1402	1398
20°	1461	1403	1411
25°	1459	1404	1429
30°	1451	1406	1439
35°	1447	1398	1441
40°	1442	1369	1422
45°	1427	1336	1387
50°	1414	1292	1325
55°	1385	1227	1249
60°	1351	1140	1153
65°	1296	1024	1022
70°	1203	872	866
75°	1039	694	695
80°	806	492	509
85°	475	305	341



TEST NUMBER: P395410

CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.7
10°-20°	74.5	2.2
20°-30°	119.4	3.5
30°-40°	152.8	4.4
40°-50°	166.6	4.8
50°-60°	156.1	4.5
60°-70°	121.1	3.5
70°-80°	69.4	2.0
80°-90°	22.2	0.6
90°-100°	89.1	2.6
100°-110°	346.3	10.0
110°-120°	471.4	13.6
120°-130°	489.3	14.2
130°-140°	434.1	12.6
140°-150°	336.8	9.8
150°-160°	224.8	6.5
160°-170°	119.8	3.5
170°-180°	35.1	1.0
0°-30°	219.0	6.3
0°-40°	371.8	10.8
0°-60°	694.4	20.1
0°-90°	907.1	26.3
90°-120°	906.8	26.3
90°-150°	2167.0	62.7
90°-180°	2547.0	73.7
0°-180°	3453.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	262	262	262	262	262	
5°	265	262	263	262	260	25
15°	259	258	264	268	268	73
25°	245	247	260	270	272	113
35°	222	227	247	260	265	139
45°	191	200	218	231	238	148
55°	153	162	177	189	192	137
65°	109	113	124	132	135	107
75°	57	60	65	72	73	60
85°	11	13	20	25	26	13
90°	1	3	6	9	11	1
95°	11	63	86	18	17	15
105°	73	222	376	447	490	78
115°	153	343	530	623	683	151
125°	222	404	597	701	754	199
135°	278	426	602	706	748	214
145°	317	426	565	656	690	199
155°	341	402	501	568	594	158
165°	355	370	426	466	478	100
175°	359	357	358	360	360	34
180°	352	352	352	352	352	



TEST NUMBER: P395410

CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	265.8	264.9	264.9	263.0	263.0	262.1	262.1	262.1	262.1	262.1	263.0
5°	264.9	264.9	263.9	263.0	263.0	262.1	262.1	262.1	262.1	262.1	263.0
7.5°	263.9	263.9	263.0	262.1	262.1	262.1	262.1	262.1	262.1	262.1	263.9
10°	263.0	263.0	262.1	261.2	261.2	261.2	261.2	262.1	262.1	262.1	263.9
12.5°	261.2	260.2	260.2	259.3	259.3	259.3	260.2	260.2	261.2	262.1	263.9
15°	259.3	259.3	258.4	257.4	258.4	258.4	258.4	259.3	260.2	261.2	263.9
17.5°	256.5	256.5	255.6	255.6	255.6	256.5	256.5	257.4	259.3	261.2	263.0
20°	253.7	252.8	252.8	252.8	253.7	253.7	254.6	256.5	257.4	260.2	263.0
22.5°	249.1	250.0	249.1	249.1	250.0	250.9	251.9	253.7	255.6	258.4	261.2
25°	245.4	245.4	245.4	245.4	247.2	247.2	249.1	250.9	253.7	256.5	260.2
27.5°	240.7	240.7	240.7	241.6	242.6	243.5	244.4	247.2	250.0	253.7	257.4
30°	234.2	234.2	234.2	234.2	237.0	237.9	239.8	243.5	246.3	250.9	255.6
32.5°	228.6	228.6	228.6	229.6	231.4	232.3	234.2	238.8	242.6	247.2	251.9
35°	222.1	222.1	223.0	223.0	225.8	226.8	228.6	232.3	236.1	241.6	247.2
37.5°	215.6	215.6	216.5	217.5	219.3	221.2	223.0	226.8	230.5	235.1	240.7
40°	208.2	208.2	209.1	210.0	212.8	214.7	216.5	220.3	224.0	228.6	233.3
42.5°	200.7	200.7	201.7	202.6	205.4	207.2	209.1	213.8	217.5	222.1	225.8
45°	191.4	192.4	193.3	195.2	198.0	199.8	201.7	205.4	210.0	213.8	217.5
47.5°	183.1	184.0	184.9	186.8	189.6	191.4	193.3	197.0	200.7	204.5	209.1
50°	173.8	174.7	175.6	177.5	180.3	182.2	184.0	187.7	191.4	194.2	198.9
52.5°	163.6	164.5	165.4	167.3	171.0	171.9	173.8	177.5	180.3	184.0	187.7
55°	153.3	154.3	155.2	157.1	159.9	161.7	162.6	166.4	169.1	172.9	176.6
57.5°	143.1	144.1	145.0	146.8	148.7	150.6	151.5	154.3	158.0	160.8	164.5
60°	132.0	132.9	133.8	134.8	137.5	138.5	139.4	142.2	145.0	148.7	151.5
62.5°	120.8	120.8	121.7	122.7	125.5	126.4	127.3	129.2	132.9	134.8	137.5
65°	108.7	108.7	109.7	110.6	112.5	113.4	114.3	116.2	119.0	120.8	123.6
67.5°	95.7	95.7	96.7	97.6	99.4	100.4	100.4	103.2	105.0	106.9	108.7
70°	83.6	83.6	84.6	84.6	85.5	86.4	87.4	89.2	90.1	92.9	93.9
72.5°	70.6	70.6	70.6	70.6	72.5	72.5	73.4	75.3	76.2	78.1	79.9
75°	56.7	56.7	57.6	57.6	58.5	59.5	60.4	61.3	63.2	64.1	65.1
77.5°	44.6	43.7	44.6	45.5	46.5	46.5	47.4	48.3	49.3	51.1	52.0
80°	31.6	31.6	31.6	32.5	33.5	33.5	34.4	35.3	36.2	38.1	39.0
82.5°	20.4	20.4	21.4	21.4	22.3	23.2	23.2	24.2	25.1	27.0	27.9
85°	11.2	11.2	11.2	12.1	13.0	13.0	13.9	14.9	16.7	17.7	19.5
87.5°	3.7	3.7	4.6	5.6	6.5	6.5	7.4	8.4	9.3	11.2	12.1
90°	0.9	0.9	0.9	1.9	1.9	2.8	2.8	3.7	4.6	5.6	6.5
92.5°	3.7	6.5	10.2	14.9	13.9	14.9	10.2	6.5	6.5	6.5	7.4
95°	11.2	16.7	27.0	42.8	55.8	63.2	69.7	76.2	89.2	90.1	86.4
97.5°	22.3	30.7	49.3	69.7	92.9	105.0	114.3	133.8	154.3	167.3	183.1
100°	37.2	49.3	73.4	101.3	128.3	144.1	158.9	186.8	211.9	234.2	258.4
102.5°	54.8	68.8	98.5	132.9	166.4	184.0	199.8	232.3	266.7	296.5	322.5
105°	73.4	89.2	124.5	163.6	201.7	222.1	241.6	277.0	313.2	345.7	376.4
107.5°	93.9	110.6	148.7	192.4	235.1	258.4	279.7	317.8	355.9	391.3	423.8
110°	113.4	132.0	171.9	219.3	267.7	290.9	312.3	354.1	394.1	431.2	465.6



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CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	133.8	153.3	193.3	245.4	294.6	318.8	341.1	385.7	427.5	465.6	500.0
115°	153.3	171.9	213.8	267.7	317.8	342.9	367.1	412.6	456.3	494.4	529.7
117.5°	171.9	189.6	232.3	286.2	338.3	363.4	387.5	434.9	478.6	518.6	553.0
120°	190.5	206.3	252.8	302.0	355.0	380.1	405.2	452.6	497.2	537.2	572.5
122.5°	207.2	222.1	267.7	316.0	368.0	394.1	418.2	466.5	512.1	552.0	586.4
125°	222.1	236.1	281.6	327.1	379.2	404.3	429.4	476.8	522.3	561.3	596.7
127.5°	237.0	250.9	291.8	338.3	386.6	412.6	436.8	484.2	528.8	568.8	603.2
130°	252.8	263.0	302.0	348.5	394.1	418.2	443.3	488.8	532.5	571.6	605.9
132.5°	265.8	275.1	312.3	356.9	399.6	422.9	445.2	490.7	534.4	571.6	605.0
135°	277.9	285.3	319.7	364.3	404.3	425.6	447.0	489.8	532.5	569.7	602.2
137.5°	289.0	296.5	326.2	369.9	408.0	426.6	447.0	487.0	527.9	565.1	595.7
140°	299.3	304.8	331.8	372.7	409.8	427.5	445.2	482.3	520.4	556.7	587.4
142.5°	309.5	314.1	336.4	374.5	410.8	427.5	444.2	476.8	512.1	547.4	578.1
145°	316.9	321.6	340.1	375.5	409.8	425.6	440.5	471.2	502.8	535.3	565.1
147.5°	325.3	329.0	343.9	373.6	407.1	421.9	435.9	463.8	492.6	522.3	550.2
150°	330.9	334.6	345.7	371.7	402.4	416.4	430.3	456.3	482.3	508.4	532.5
152.5°	336.4	339.2	348.5	369.0	396.8	409.8	422.9	448.0	472.1	495.4	516.7
155°	341.1	343.9	350.4	367.1	390.3	402.4	414.5	438.7	461.0	481.4	500.9
157.5°	345.7	347.6	352.2	364.3	382.9	394.1	405.2	426.6	447.0	467.5	483.3
160°	349.4	350.4	354.1	363.4	376.4	384.8	395.0	414.5	433.1	450.7	465.6
162.5°	353.2	353.2	355.9	361.5	370.8	376.4	383.8	400.6	417.3	433.1	447.0
165°	355.0	355.0	356.9	360.6	366.2	369.9	374.5	385.7	398.7	412.6	425.6
167.5°	356.9	356.9	357.8	359.7	363.4	365.2	367.1	374.5	382.9	393.1	403.3
170°	358.7	357.8	357.8	359.7	360.6	361.5	362.5	366.2	369.9	376.4	382.0
172.5°	358.7	357.8	357.8	358.7	358.7	358.7	358.7	359.7	360.6	364.3	366.2
175°	358.7	357.8	357.8	357.8	357.8	356.9	356.9	356.9	356.9	356.9	357.8
177.5°	358.7	357.8	356.9	356.9	355.9	355.9	355.0	355.0	354.1	354.1	354.1
180°	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2



TEST NUMBER: P395410

CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	263.0	263.0	262.1	262.1	261.2	261.2	260.2	259.3	258.4	258.4
5°	263.9	263.0	262.1	262.1	262.1	261.2	261.2	261.2	260.2	260.2
7.5°	263.9	263.9	263.9	263.0	263.0	263.0	263.0	263.0	262.1	262.1
10°	264.9	264.9	264.9	264.9	264.9	264.9	264.9	263.9	263.9	263.9
12.5°	264.9	264.9	264.9	265.8	265.8	265.8	265.8	265.8	265.8	265.8
15°	265.8	265.8	266.7	266.7	267.7	267.7	268.6	268.6	268.6	267.7
17.5°	264.9	265.8	266.7	267.7	268.6	268.6	269.5	269.5	269.5	269.5
20°	264.9	266.7	267.7	268.6	269.5	269.5	270.4	271.4	271.4	270.4
22.5°	263.9	265.8	266.7	268.6	269.5	269.5	271.4	271.4	271.4	271.4
25°	263.0	264.9	266.7	268.6	269.5	269.5	271.4	271.4	272.3	272.3
27.5°	261.2	263.0	265.8	267.7	268.6	269.5	270.4	271.4	271.4	271.4
30°	258.4	261.2	263.9	265.8	266.7	267.7	268.6	269.5	270.4	270.4
32.5°	254.6	257.4	260.2	263.0	263.9	264.9	266.7	267.7	267.7	267.7
35°	250.9	253.7	256.5	259.3	260.2	261.2	263.0	263.9	264.9	264.9
37.5°	245.4	248.1	250.9	253.7	254.6	256.5	258.4	259.3	259.3	259.3
40°	237.0	241.6	245.4	248.1	249.1	250.9	251.9	253.7	253.7	253.7
42.5°	229.6	233.3	236.1	239.8	240.7	243.5	245.4	246.3	247.2	247.2
45°	221.2	224.9	227.7	230.5	231.4	233.3	235.1	236.1	237.0	237.9
47.5°	212.8	215.6	218.4	221.2	222.1	224.0	225.8	226.8	227.7	227.7
50°	202.6	205.4	208.2	211.0	211.9	213.8	214.7	215.6	216.5	216.5
52.5°	191.4	194.2	197.0	199.8	200.7	201.7	203.5	204.5	205.4	205.4
55°	180.3	183.1	184.9	187.7	188.7	189.6	190.5	192.4	193.3	192.4
57.5°	167.3	170.1	171.9	174.7	175.6	176.6	177.5	178.4	179.4	179.4
60°	153.3	156.1	158.9	160.8	161.7	162.6	163.6	164.5	165.4	165.4
62.5°	139.4	142.2	144.1	146.8	147.8	147.8	148.7	149.6	150.6	150.6
65°	125.5	128.3	129.2	132.0	132.0	132.9	133.8	134.8	134.8	134.8
67.5°	110.6	113.4	114.3	116.2	116.2	117.1	118.0	119.0	119.0	119.0
70°	96.7	97.6	99.4	100.4	101.3	101.3	102.2	103.2	104.1	103.2
72.5°	81.8	82.7	84.6	85.5	85.5	86.4	86.4	87.4	88.3	88.3
75°	66.9	68.8	69.7	70.6	71.6	71.6	72.5	73.4	73.4	73.4
77.5°	53.0	54.8	55.8	56.7	57.6	57.6	58.5	58.5	59.5	58.5
80°	40.9	41.8	42.8	43.7	44.6	44.6	45.5	46.5	46.5	46.5
82.5°	29.7	30.7	32.5	33.5	33.5	33.5	35.3	35.3	36.2	35.3
85°	20.4	21.4	23.2	24.2	25.1	25.1	25.1	26.0	27.0	26.0
87.5°	13.0	14.9	15.8	16.7	16.7	16.7	17.7	18.6	18.6	18.6
90°	7.4	7.4	8.4	9.3	9.3	10.2	10.2	11.2	11.2	11.2
92.5°	7.4	8.4	8.4	8.4	9.3	9.3	9.3	10.2	10.2	10.2
95°	63.2	45.5	26.0	20.4	17.7	17.7	16.7	17.7	16.7	16.7
97.5°	191.4	207.2	214.7	224.9	230.5	229.6	225.8	229.6	226.8	229.6
100°	272.3	287.2	298.3	301.1	306.7	309.5	319.7	327.1	330.9	335.5
102.5°	338.3	355.9	369.0	376.4	382.0	385.7	397.8	408.9	414.5	418.2
105°	398.7	417.3	433.1	440.5	447.0	450.7	463.8	476.8	485.1	489.8
107.5°	447.0	468.4	485.1	496.3	502.8	509.3	525.1	538.1	548.3	553.0
110°	490.7	512.1	529.7	542.7	550.2	556.7	574.3	589.2	600.4	605.9



TEST NUMBER: P395410

CATALOG NUMBER: I3-CL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	526.9	550.2	567.8	581.8	589.2	598.5	615.2	632.0	643.1	649.6
115°	556.7	580.9	599.4	614.3	622.7	631.0	650.6	667.3	678.4	683.1
117.5°	581.8	605.9	625.5	640.3	649.6	658.9	678.4	693.3	705.4	709.1
120°	602.2	626.4	645.9	662.6	671.9	680.3	698.9	714.7	725.8	728.6
122.5°	616.2	641.3	661.7	680.3	688.7	697.0	714.7	730.5	740.7	743.5
125°	626.4	652.4	672.9	692.4	700.7	709.1	725.8	741.6	750.0	753.7
127.5°	632.9	658.9	681.2	699.8	709.1	716.5	733.3	747.2	755.6	758.4
130°	634.8	661.7	684.0	703.5	711.9	719.3	735.1	749.1	756.5	758.4
132.5°	634.8	660.8	684.0	702.6	711.0	718.4	733.3	746.3	753.7	755.6
135°	631.0	656.1	679.4	698.0	706.3	713.8	728.6	739.8	747.2	748.1
137.5°	624.5	648.7	671.0	689.6	698.0	705.4	718.4	730.5	737.0	738.8
140°	616.2	638.5	660.8	678.4	686.8	693.3	706.3	716.5	723.0	724.9
142.5°	605.0	627.3	647.8	665.4	671.9	679.4	690.5	700.7	706.3	708.2
145°	592.9	614.3	632.9	648.7	656.1	662.6	672.9	682.2	687.7	689.6
147.5°	577.1	598.5	616.2	631.0	637.5	644.0	653.3	661.7	667.3	669.1
150°	557.6	577.1	595.7	609.7	616.2	622.7	632.0	639.4	645.0	645.9
152.5°	538.1	556.7	572.5	586.4	592.9	599.4	607.8	615.2	621.7	621.7
155°	519.5	535.3	550.2	562.3	567.8	573.4	581.8	588.3	593.9	593.9
157.5°	500.0	514.9	526.9	538.1	542.7	547.4	554.8	560.4	565.1	564.1
160°	481.4	492.6	503.7	513.0	517.7	521.4	526.9	531.6	536.2	535.3
162.5°	461.0	471.2	480.5	487.0	490.7	493.5	499.1	503.7	506.5	506.5
165°	437.7	447.0	455.4	461.9	465.6	467.5	472.1	474.9	477.7	477.7
167.5°	413.6	421.0	428.4	434.0	437.7	439.6	444.2	446.1	449.8	448.9
170°	389.4	395.0	400.6	405.2	407.1	408.9	412.6	414.5	416.4	416.4
172.5°	369.9	371.7	374.5	378.3	378.3	379.2	381.0	382.0	382.9	382.9
175°	358.7	359.7	359.7	359.7	359.7	359.7	360.6	359.7	360.6	359.7
177.5°	354.1	354.1	353.2	353.2	352.2	353.2	352.2	351.3	351.3	350.4
180°	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2	352.2

(END OF REPORT)