

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: P395403

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395403  
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-40L92765-1D-UNV-W2A-W-4 (4500K)  
Description: CORELITE I3, CLEAR TOP COVER  
4000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3350.1 lumens  
Efficiency: N/A  
Efficacy: 118.0 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

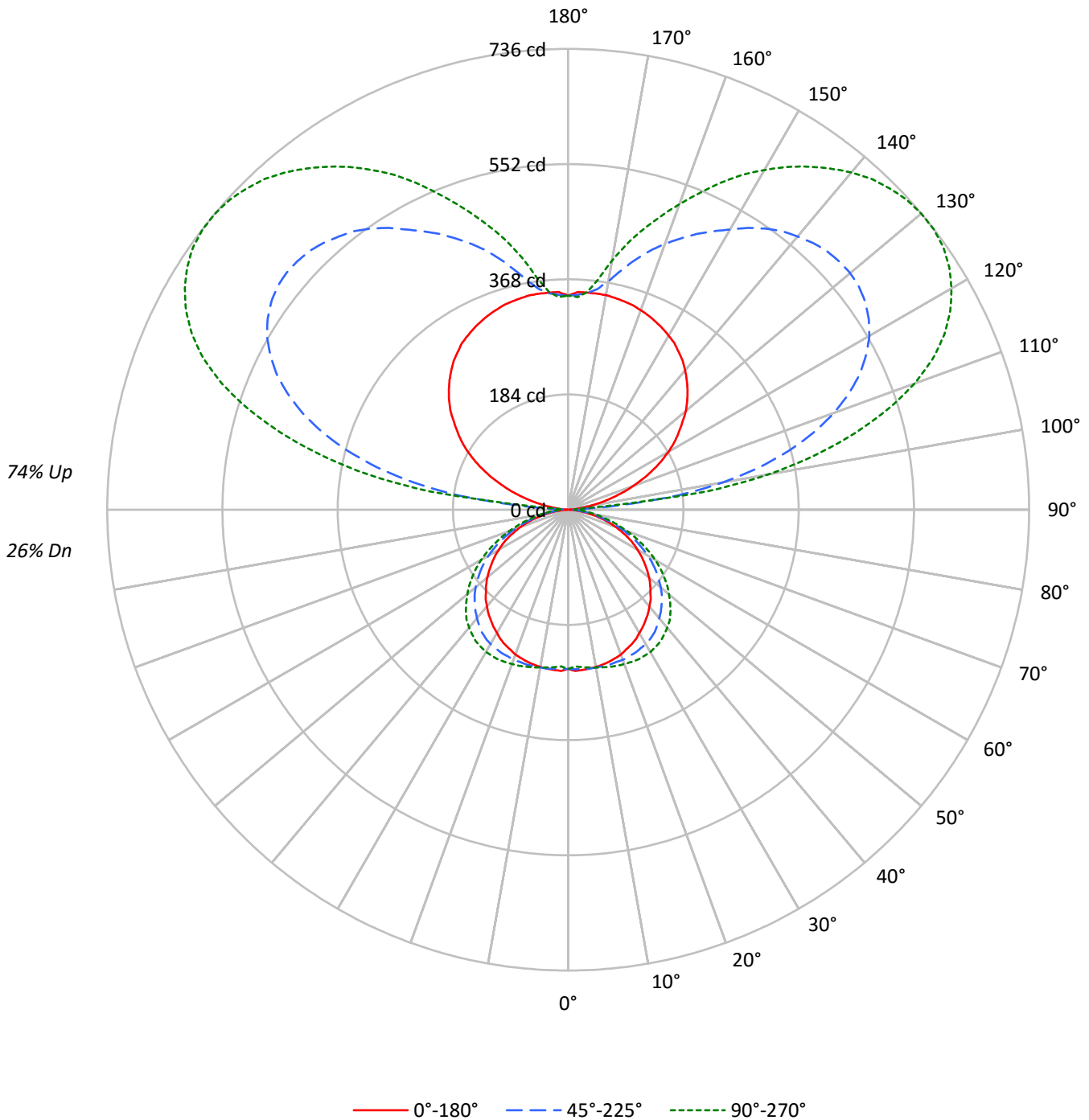
Input Watts (W): 28.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)

### 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°	1397	1397	1397
5°	1412	1376	1353
10°	1413	1365	1349
15°	1415	1360	1356
20°	1418	1361	1368
25°	1415	1362	1386
30°	1407	1364	1396
35°	1404	1357	1398
40°	1399	1328	1380
45°	1385	1296	1346
50°	1372	1253	1286
55°	1343	1190	1211
60°	1311	1106	1119
65°	1257	993	991
70°	1167	846	840
75°	1008	673	674
80°	783	478	494
85°	458	295	330



TEST NUMBER: P395403

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.3	0.7
10°-20°	72.3	2.2
20°-30°	115.9	3.5
30°-40°	148.2	4.4
40°-50°	161.6	4.8
50°-60°	151.4	4.5
60°-70°	117.5	3.5
70°-80°	67.3	2.0
80°-90°	21.5	0.6
90°-100°	86.4	2.6
100°-110°	335.9	10.0
110°-120°	457.3	13.7
120°-130°	474.7	14.2
130°-140°	421.1	12.6
140°-150°	326.7	9.8
150°-160°	218.0	6.5
160°-170°	116.2	3.5
170°-180°	34.0	1.0
0°-30°	212.4	6.3
0°-40°	360.6	10.8
0°-60°	673.6	20.1
0°-90°	879.9	26.3
90°-120°	879.6	26.3
90°-150°	2102.0	62.7
90°-180°	2470.0	73.7
0°-180°	3350.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	254	254	254	254	254	
5°	257	254	255	254	252	24
15°	252	251	256	260	260	71
25°	238	240	252	261	264	110
35°	216	220	240	252	257	135
45°	186	194	211	224	231	144
55°	149	157	171	183	187	133
65°	106	110	120	128	131	104
75°	55	58	63	69	71	59
85°	11	13	19	24	25	13
90°	1	3	6	9	11	1
95°	11	61	84	17	16	14
105°	71	216	365	434	475	76
115°	149	333	514	604	663	147
125°	216	392	579	680	731	193
135°	270	413	584	685	726	208
145°	307	413	548	636	669	193
155°	331	390	486	551	576	153
165°	344	359	413	452	463	97
175°	348	346	347	349	349	33
180°	342	342	342	342	342	



TEST NUMBER: P395403

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	257.8	256.9	256.9	255.1	255.1	254.2	254.2	254.2	254.2	254.2	255.1
5°	256.9	256.9	256.0	255.1	255.1	254.2	254.2	254.2	254.2	254.2	255.1
7.5°	256.0	256.0	255.1	254.2	254.2	254.2	254.2	254.2	254.2	254.2	256.0
10°	255.1	255.1	254.2	253.3	253.3	253.3	253.3	254.2	254.2	254.2	256.0
12.5°	253.3	252.4	252.4	251.5	251.5	251.5	252.4	252.4	253.3	254.2	256.0
15°	251.5	251.5	250.6	249.7	250.6	250.6	250.6	251.5	252.4	253.3	256.0
17.5°	248.8	248.8	247.9	247.9	247.9	248.8	248.8	249.7	251.5	253.3	255.1
20°	246.1	245.2	245.2	245.2	246.1	246.1	247.0	248.8	249.7	252.4	255.1
22.5°	241.6	242.5	241.6	241.6	242.5	243.4	244.3	246.1	247.9	250.6	253.3
25°	238.0	238.0	238.0	238.0	239.8	239.8	241.6	243.4	246.1	248.8	252.4
27.5°	233.5	233.5	233.5	234.4	235.3	236.2	237.1	239.8	242.5	246.1	249.7
30°	227.2	227.2	227.2	227.2	229.9	230.8	232.6	236.2	238.9	243.4	247.9
32.5°	221.8	221.8	221.8	222.7	224.5	225.4	227.2	231.7	235.3	239.8	244.3
35°	215.5	215.5	216.4	216.4	219.1	220.0	221.8	225.4	229.0	234.4	239.8
37.5°	209.1	209.1	210.1	211.0	212.8	214.6	216.4	220.0	223.6	228.1	233.5
40°	201.9	201.9	202.8	203.7	206.4	208.2	210.1	213.7	217.3	221.8	226.3
42.5°	194.7	194.7	195.6	196.5	199.2	201.0	202.8	207.3	211.0	215.5	219.1
45°	185.7	186.6	187.5	189.3	192.0	193.8	195.6	199.2	203.7	207.3	211.0
47.5°	177.6	178.5	179.4	181.2	183.9	185.7	187.5	191.1	194.7	198.3	202.8
50°	168.6	169.5	170.4	172.2	174.9	176.7	178.5	182.1	185.7	188.4	192.9
52.5°	158.7	159.6	160.5	162.3	165.9	166.8	168.6	172.2	174.9	178.5	182.1
55°	148.7	149.6	150.6	152.4	155.1	156.9	157.8	161.4	164.1	167.7	171.3
57.5°	138.8	139.7	140.6	142.4	144.2	146.0	146.9	149.6	153.3	156.0	159.6
60°	128.0	128.9	129.8	130.7	133.4	134.3	135.2	137.9	140.6	144.2	146.9
62.5°	117.2	117.2	118.1	119.0	121.7	122.6	123.5	125.3	128.9	130.7	133.4
65°	105.5	105.5	106.4	107.3	109.1	110.0	110.9	112.7	115.4	117.2	119.9
67.5°	92.9	92.9	93.8	94.7	96.5	97.4	97.4	100.1	101.9	103.7	105.5
70°	81.1	81.1	82.0	82.0	82.9	83.8	84.7	86.5	87.4	90.2	91.1
72.5°	68.5	68.5	68.5	68.5	70.3	70.3	71.2	73.0	73.9	75.7	77.5
75°	55.0	55.0	55.9	55.9	56.8	57.7	58.6	59.5	61.3	62.2	63.1
77.5°	43.3	42.4	43.3	44.2	45.1	45.1	46.0	46.9	47.8	49.6	50.5
80°	30.7	30.7	30.7	31.6	32.5	32.5	33.4	34.3	35.2	37.0	37.9
82.5°	19.8	19.8	20.7	20.7	21.6	22.5	22.5	23.4	24.3	26.1	27.0
85°	10.8	10.8	10.8	11.7	12.6	12.6	13.5	14.4	16.2	17.1	18.9
87.5°	3.6	3.6	4.5	5.4	6.3	6.3	7.2	8.1	9.0	10.8	11.7
90°	0.9	0.9	0.9	1.8	1.8	2.7	2.7	3.6	4.5	5.4	6.3
92.5°	3.6	6.3	9.9	14.4	13.5	14.4	9.9	6.3	6.3	6.3	7.2
95°	10.8	16.2	26.1	41.5	54.1	61.3	67.6	73.9	86.5	87.4	83.8
97.5°	21.6	29.7	47.8	67.6	90.2	101.9	110.9	129.8	149.6	162.3	177.6
100°	36.1	47.8	71.2	98.3	124.4	139.7	154.2	181.2	205.5	227.2	250.6
102.5°	53.2	66.7	95.6	128.9	161.4	178.5	193.8	225.4	258.7	287.6	312.8
105°	71.2	86.5	120.8	158.7	195.6	215.5	234.4	268.6	303.8	335.4	365.1
107.5°	91.1	107.3	144.2	186.6	228.1	250.6	271.4	308.3	345.3	379.5	411.1
110°	110.0	128.0	166.8	212.8	259.6	282.2	302.9	343.5	382.2	418.3	451.7



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	129.8	148.7	187.5	238.0	285.8	309.2	330.9	374.1	414.7	451.7	485.0
115°	148.7	166.8	207.3	259.6	308.3	332.7	356.1	400.3	442.6	479.6	513.9
117.5°	166.8	183.9	225.4	277.7	328.1	352.5	375.9	421.9	464.3	503.0	536.4
120°	184.8	200.1	245.2	293.0	344.4	368.7	393.1	439.0	482.3	521.1	555.3
122.5°	201.0	215.5	259.6	306.5	357.0	382.2	405.7	452.6	496.7	535.5	568.8
125°	215.5	229.0	273.2	317.3	367.8	392.2	416.5	462.5	506.6	544.5	578.8
127.5°	229.9	243.4	283.1	328.1	375.0	400.3	423.7	469.7	513.0	551.7	585.1
130°	245.2	255.1	293.0	338.1	382.2	405.7	430.0	474.2	516.6	554.4	587.8
132.5°	257.8	266.8	302.9	346.2	387.6	410.2	431.8	476.0	518.4	554.4	586.9
135°	269.5	276.8	310.1	353.4	392.2	412.9	433.6	475.1	516.6	552.6	584.2
137.5°	280.4	287.6	316.4	358.8	395.8	413.8	433.6	472.4	512.1	548.1	577.9
140°	290.3	295.7	321.8	361.5	397.6	414.7	431.8	467.9	504.8	540.0	569.7
142.5°	300.2	304.7	326.3	363.3	398.5	414.7	430.9	462.5	496.7	531.0	560.7
145°	307.4	311.9	329.9	364.2	397.6	412.9	427.3	457.1	487.7	519.3	548.1
147.5°	315.5	319.1	333.6	362.4	394.9	409.3	422.8	449.8	477.8	506.6	533.7
150°	320.9	324.5	335.4	360.6	390.4	403.9	417.4	442.6	467.9	493.1	516.6
152.5°	326.3	329.0	338.1	357.9	384.9	397.6	410.2	434.5	458.0	480.5	501.2
155°	330.9	333.6	339.9	356.1	378.6	390.4	402.1	425.5	447.1	467.0	485.9
157.5°	335.4	337.2	341.7	353.4	371.4	382.2	393.1	413.8	433.6	453.5	468.8
160°	339.0	339.9	343.5	352.5	365.1	373.2	383.1	402.1	420.1	437.2	451.7
162.5°	342.6	342.6	345.3	350.7	359.7	365.1	372.3	388.5	404.8	420.1	433.6
165°	344.4	344.4	346.2	349.8	355.2	358.8	363.3	374.1	386.7	400.3	412.9
167.5°	346.2	346.2	347.1	348.9	352.5	354.3	356.1	363.3	371.4	381.3	391.3
170°	348.0	347.1	347.1	348.9	349.8	350.7	351.6	355.2	358.8	365.1	370.5
172.5°	348.0	347.1	347.1	348.0	348.0	348.0	348.0	348.9	349.8	353.4	355.2
175°	348.0	347.1	347.1	347.1	347.1	346.2	346.2	346.2	346.2	346.2	347.1
177.5°	348.0	347.1	346.2	346.2	345.3	345.3	344.4	344.4	343.5	343.5	343.5
180°	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	255.1	255.1	254.2	254.2	253.3	253.3	252.4	251.5	250.6	250.6
5°	256.0	255.1	254.2	254.2	254.2	253.3	253.3	253.3	252.4	252.4
7.5°	256.0	256.0	256.0	255.1	255.1	255.1	255.1	255.1	254.2	254.2
10°	256.9	256.9	256.9	256.9	256.9	256.9	256.9	256.0	256.0	256.0
12.5°	256.9	256.9	256.9	257.8	257.8	257.8	257.8	257.8	257.8	257.8
15°	257.8	257.8	258.7	258.7	259.6	259.6	260.5	260.5	260.5	259.6
17.5°	256.9	257.8	258.7	259.6	260.5	260.5	261.4	261.4	261.4	261.4
20°	256.9	258.7	259.6	260.5	261.4	261.4	262.3	263.2	263.2	262.3
22.5°	256.0	257.8	258.7	260.5	261.4	261.4	263.2	263.2	263.2	263.2
25°	255.1	256.9	258.7	260.5	261.4	261.4	263.2	263.2	264.1	264.1
27.5°	253.3	255.1	257.8	259.6	260.5	261.4	262.3	263.2	263.2	263.2
30°	250.6	253.3	256.0	257.8	258.7	259.6	260.5	261.4	262.3	262.3
32.5°	247.0	249.7	252.4	255.1	256.0	256.9	258.7	259.6	259.6	259.6
35°	243.4	246.1	248.8	251.5	252.4	253.3	255.1	256.0	256.9	256.9
37.5°	238.0	240.7	243.4	246.1	247.0	248.8	250.6	251.5	251.5	251.5
40°	229.9	234.4	238.0	240.7	241.6	243.4	244.3	246.1	246.1	246.1
42.5°	222.7	226.3	229.0	232.6	233.5	236.2	238.0	238.9	239.8	239.8
45°	214.6	218.2	220.9	223.6	224.5	226.3	228.1	229.0	229.9	230.8
47.5°	206.4	209.1	211.9	214.6	215.5	217.3	219.1	220.0	220.9	220.9
50°	196.5	199.2	201.9	204.6	205.5	207.3	208.2	209.1	210.1	210.1
52.5°	185.7	188.4	191.1	193.8	194.7	195.6	197.4	198.3	199.2	199.2
55°	174.9	177.6	179.4	182.1	183.0	183.9	184.8	186.6	187.5	186.6
57.5°	162.3	165.0	166.8	169.5	170.4	171.3	172.2	173.1	174.0	174.0
60°	148.7	151.5	154.2	156.0	156.9	157.8	158.7	159.6	160.5	160.5
62.5°	135.2	137.9	139.7	142.4	143.3	143.3	144.2	145.1	146.0	146.0
65°	121.7	124.4	125.3	128.0	128.0	128.9	129.8	130.7	130.7	130.7
67.5°	107.3	110.0	110.9	112.7	112.7	113.6	114.5	115.4	115.4	115.4
70°	93.8	94.7	96.5	97.4	98.3	98.3	99.2	100.1	101.0	100.1
72.5°	79.3	80.2	82.0	82.9	82.9	83.8	83.8	84.7	85.6	85.6
75°	64.9	66.7	67.6	68.5	69.4	69.4	70.3	71.2	71.2	71.2
77.5°	51.4	53.2	54.1	55.0	55.9	55.9	56.8	56.8	57.7	56.8
80°	39.7	40.6	41.5	42.4	43.3	43.3	44.2	45.1	45.1	45.1
82.5°	28.8	29.7	31.6	32.5	32.5	32.5	34.3	34.3	35.2	34.3
85°	19.8	20.7	22.5	23.4	24.3	24.3	24.3	25.2	26.1	25.2
87.5°	12.6	14.4	15.3	16.2	16.2	16.2	17.1	18.0	18.0	18.0
90°	7.2	7.2	8.1	9.0	9.0	9.9	9.9	10.8	10.8	10.8
92.5°	7.2	8.1	8.1	8.1	9.0	9.0	9.0	9.9	9.9	9.9
95°	61.3	44.2	25.2	19.8	17.1	17.1	16.2	17.1	16.2	16.2
97.5°	185.7	201.0	208.2	218.2	223.6	222.7	219.1	222.7	220.0	222.7
100°	264.1	278.6	289.4	292.1	297.5	300.2	310.1	317.3	320.9	325.4
102.5°	328.1	345.3	357.9	365.1	370.5	374.1	385.8	396.7	402.1	405.7
105°	386.7	404.8	420.1	427.3	433.6	437.2	449.8	462.5	470.6	475.1
107.5°	433.6	454.4	470.6	481.4	487.7	494.0	509.3	522.0	531.9	536.4
110°	476.0	496.7	513.9	526.5	533.7	540.0	557.1	571.6	582.4	587.8





TEST NUMBER: P395403

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	511.2	533.7	550.8	564.3	571.6	580.6	596.8	613.0	623.8	630.2
115°	540.0	563.4	581.5	595.9	604.0	612.1	631.1	647.3	658.1	662.6
117.5°	564.3	587.8	606.7	621.1	630.2	639.2	658.1	672.5	684.2	687.8
120°	584.2	607.6	626.5	642.8	651.8	659.9	677.9	693.3	704.1	706.8
122.5°	597.7	622.0	641.9	659.9	668.0	676.1	693.3	708.6	718.5	721.2
125°	607.6	632.9	652.7	671.6	679.7	687.8	704.1	719.4	727.5	731.1
127.5°	613.9	639.2	660.8	678.8	687.8	695.1	711.3	724.8	732.9	735.6
130°	615.7	641.9	663.5	682.4	690.6	697.8	713.1	726.6	733.8	735.6
132.5°	615.7	641.0	663.5	681.5	689.6	696.9	711.3	723.9	731.1	732.9
135°	612.1	636.5	659.0	677.0	685.1	692.4	706.8	717.6	724.8	725.7
137.5°	605.8	629.2	650.9	668.9	677.0	684.2	696.9	708.6	714.9	716.7
140°	597.7	619.3	641.0	658.1	666.2	672.5	685.1	695.1	701.4	703.2
142.5°	586.9	608.5	628.3	645.5	651.8	659.0	669.8	679.7	685.1	686.9
145°	575.2	595.9	613.9	629.2	636.5	642.8	652.7	661.7	667.1	668.9
147.5°	559.8	580.6	597.7	612.1	618.4	624.7	633.8	641.9	647.3	649.1
150°	540.9	559.8	577.9	591.4	597.7	604.0	613.0	620.2	625.6	626.5
152.5°	522.0	540.0	555.3	568.8	575.2	581.5	589.6	596.8	603.1	603.1
155°	503.9	519.3	533.7	545.4	550.8	556.2	564.3	570.7	576.1	576.1
157.5°	485.0	499.4	511.2	522.0	526.5	531.0	538.2	543.6	548.1	547.2
160°	467.0	477.8	488.6	497.6	502.1	505.7	511.2	515.7	520.2	519.3
162.5°	447.1	457.1	466.1	472.4	476.0	478.7	484.1	488.6	491.3	491.3
165°	424.6	433.6	441.7	448.0	451.7	453.5	458.0	460.7	463.4	463.4
167.5°	401.2	408.4	415.6	421.0	424.6	426.4	430.9	432.7	436.3	435.4
170°	377.7	383.1	388.5	393.1	394.9	396.7	400.3	402.1	403.9	403.9
172.5°	358.8	360.6	363.3	366.9	366.9	367.8	369.6	370.5	371.4	371.4
175°	348.0	348.9	348.9	348.9	348.9	348.9	349.8	348.9	349.8	348.9
177.5°	343.5	343.5	342.6	342.6	341.7	342.6	341.7	340.8	340.8	339.9
180°	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7	341.7

(END OF REPORT)