

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: P395404

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395404
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 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3416.7 lumens
Efficiency: N/A
Efficacy: 119.9 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

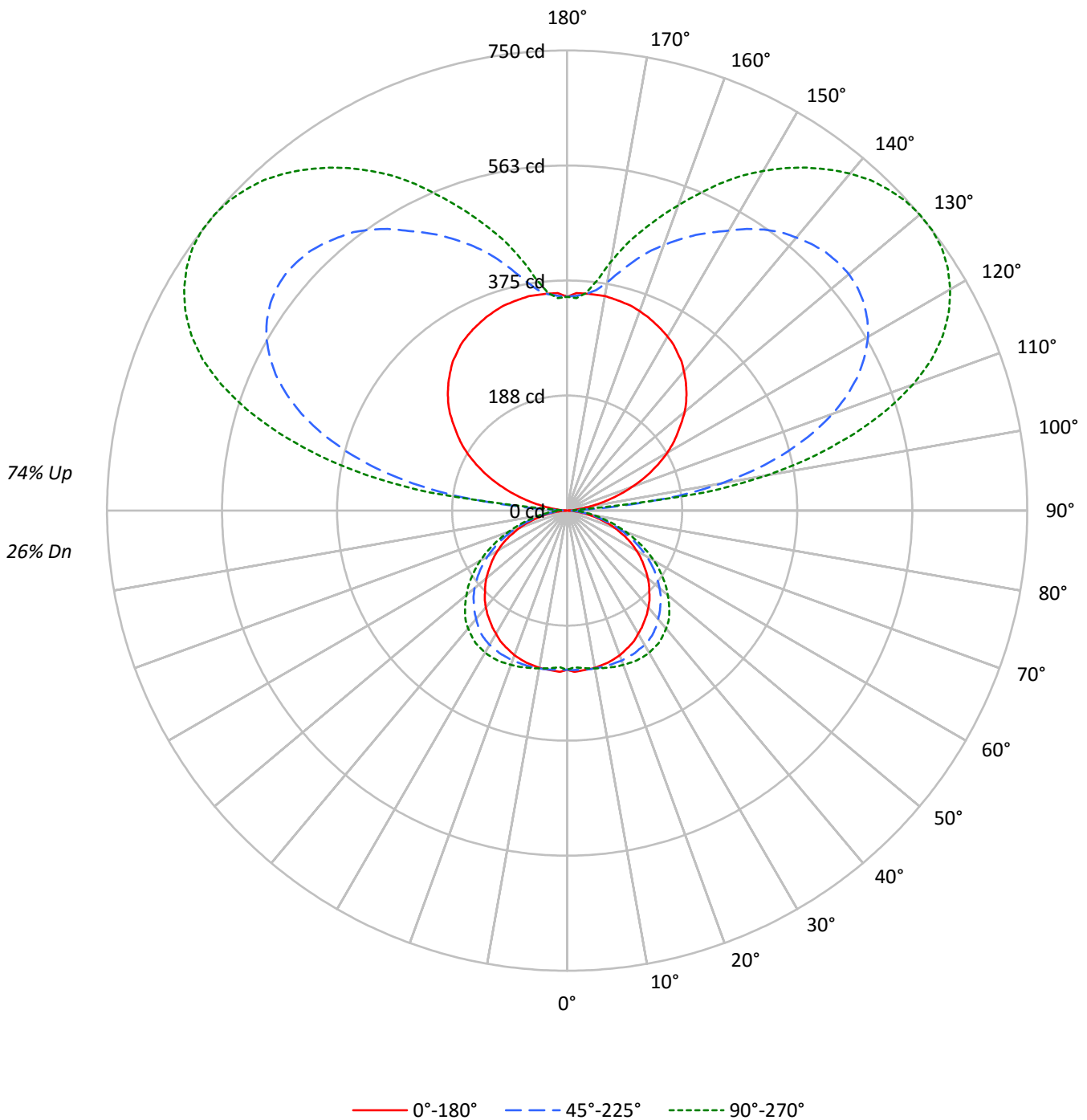
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1425	1425	1425
5°	1440	1403	1380
10°	1441	1392	1376
15°	1443	1387	1383
20°	1446	1388	1395
25°	1443	1389	1414
30°	1435	1391	1424
35°	1432	1384	1425
40°	1426	1354	1407
45°	1412	1321	1372
50°	1399	1278	1311
55°	1370	1213	1235
60°	1337	1128	1141
65°	1282	1013	1011
70°	1190	863	856
75°	1028	687	687
80°	798	487	504
85°	467	301	337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.7
10°-20°	73.7	2.2
20°-30°	118.2	3.5
30°-40°	151.1	4.4
40°-50°	164.8	4.8
50°-60°	154.4	4.5
60°-70°	119.8	3.5
70°-80°	68.7	2.0
80°-90°	21.9	0.6
90°-100°	88.1	2.6
100°-110°	342.6	10.0
110°-120°	466.4	13.7
120°-130°	484.1	14.2
130°-140°	429.4	12.6
140°-150°	333.2	9.8
150°-160°	222.4	6.5
160°-170°	118.5	3.5
170°-180°	34.7	1.0
0°-30°	216.7	6.3
0°-40°	367.8	10.8
0°-60°	687.0	20.1
0°-90°	897.4	26.3
90°-120°	897.0	26.3
90°-150°	2143.8	62.7
90°-180°	2519.0	73.7
0°-180°	3416.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	259	259	259	259	259	
5°	262	259	260	259	257	25
15°	256	256	261	265	265	72
25°	243	245	257	267	269	112
35°	220	224	245	257	262	138
45°	189	198	215	229	235	146
55°	152	160	175	187	190	136
65°	108	112	122	131	133	106
75°	56	59	64	71	73	60
85°	11	13	19	25	26	13
90°	1	3	6	9	11	1
95°	11	62	86	18	16	14
105°	73	220	372	442	484	78
115°	152	339	524	616	676	150
125°	220	400	590	693	746	197
135°	275	421	596	699	740	212
145°	314	421	559	649	682	196
155°	337	398	496	562	588	156
165°	351	366	421	461	473	99
175°	355	353	354	356	356	34
180°	348	348	348	348	348	



TEST NUMBER: P395404

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3
2.5°	263.0	262.0	262.0	260.2	260.2	259.3	259.3	259.3	259.3	259.3	260.2
5°	262.0	262.0	261.1	260.2	260.2	259.3	259.3	259.3	259.3	259.3	260.2
7.5°	261.1	261.1	260.2	259.3	259.3	259.3	259.3	259.3	259.3	259.3	261.1
10°	260.2	260.2	259.3	258.4	258.4	258.4	258.4	259.3	259.3	259.3	261.1
12.5°	258.4	257.4	257.4	256.5	256.5	256.5	257.4	257.4	258.4	259.3	261.1
15°	256.5	256.5	255.6	254.7	255.6	255.6	255.6	256.5	257.4	258.4	261.1
17.5°	253.8	253.8	252.8	252.8	252.8	253.8	253.8	254.7	256.5	258.4	260.2
20°	251.0	250.1	250.1	250.1	251.0	251.0	251.9	253.8	254.7	257.4	260.2
22.5°	246.4	247.3	246.4	246.4	247.3	248.2	249.2	251.0	252.8	255.6	258.4
25°	242.7	242.7	242.7	242.7	244.6	244.6	246.4	248.2	251.0	253.8	257.4
27.5°	238.1	238.1	238.1	239.0	240.0	240.9	241.8	244.6	247.3	251.0	254.7
30°	231.7	231.7	231.7	231.7	234.5	235.4	237.2	240.9	243.6	248.2	252.8
32.5°	226.2	226.2	226.2	227.1	228.9	229.9	231.7	236.3	240.0	244.6	249.2
35°	219.7	219.7	220.7	220.7	223.4	224.3	226.2	229.9	233.5	239.0	244.6
37.5°	213.3	213.3	214.2	215.1	217.0	218.8	220.7	224.3	228.0	232.6	238.1
40°	205.9	205.9	206.9	207.8	210.5	212.4	214.2	217.9	221.6	226.2	230.8
42.5°	198.6	198.6	199.5	200.4	203.2	205.0	206.9	211.5	215.1	219.7	223.4
45°	189.4	190.3	191.2	193.1	195.8	197.7	199.5	203.2	207.8	211.5	215.1
47.5°	181.1	182.0	183.0	184.8	187.6	189.4	191.2	194.9	198.6	202.3	206.9
50°	171.9	172.8	173.8	175.6	178.4	180.2	182.0	185.7	189.4	192.2	196.8
52.5°	161.8	162.7	163.7	165.5	169.2	170.1	171.9	175.6	178.4	182.0	185.7
55°	151.7	152.6	153.5	155.4	158.1	160.0	160.9	164.6	167.3	171.0	174.7
57.5°	141.6	142.5	143.4	145.3	147.1	148.9	149.9	152.6	156.3	159.1	162.7
60°	130.6	131.5	132.4	133.3	136.1	137.0	137.9	140.7	143.4	147.1	149.9
62.5°	119.5	119.5	120.4	121.4	124.1	125.0	126.0	127.8	131.5	133.3	136.1
65°	107.6	107.6	108.5	109.4	111.2	112.2	113.1	114.9	117.7	119.5	122.3
67.5°	94.7	94.7	95.6	96.5	98.4	99.3	99.3	102.1	103.9	105.7	107.6
70°	82.7	82.7	83.7	83.7	84.6	85.5	86.4	88.3	89.2	91.9	92.9
72.5°	69.9	69.9	69.9	69.9	71.7	71.7	72.6	74.5	75.4	77.2	79.1
75°	56.1	56.1	57.0	57.0	57.9	58.8	59.8	60.7	62.5	63.4	64.4
77.5°	44.1	43.2	44.1	45.1	46.0	46.0	46.9	47.8	48.7	50.6	51.5
80°	31.3	31.3	31.3	32.2	33.1	33.1	34.0	34.9	35.9	37.7	38.6
82.5°	20.2	20.2	21.1	21.1	22.1	23.0	23.0	23.9	24.8	26.7	27.6
85°	11.0	11.0	11.0	12.0	12.9	12.9	13.8	14.7	16.5	17.5	19.3
87.5°	3.7	3.7	4.6	5.5	6.4	6.4	7.4	8.3	9.2	11.0	12.0
90°	0.9	0.9	0.9	1.8	1.8	2.8	2.8	3.7	4.6	5.5	6.4
92.5°	3.7	6.4	10.1	14.7	13.8	14.7	10.1	6.4	6.4	6.4	7.4
95°	11.0	16.5	26.7	42.3	55.2	62.5	69.0	75.4	88.3	89.2	85.5
97.5°	22.1	30.3	48.7	69.0	91.9	103.9	113.1	132.4	152.6	165.5	181.1
100°	36.8	48.7	72.6	100.2	126.9	142.5	157.2	184.8	209.6	231.7	255.6
102.5°	54.2	68.0	97.5	131.5	164.6	182.0	197.7	229.9	263.9	293.3	319.0
105°	72.6	88.3	123.2	161.8	199.5	219.7	239.0	274.0	309.8	342.0	372.4
107.5°	92.9	109.4	147.1	190.3	232.6	255.6	276.7	314.4	352.1	387.1	419.3
110°	112.2	130.6	170.1	217.0	264.8	287.8	308.9	350.3	389.8	426.6	460.6



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	132.4	151.7	191.2	242.7	291.5	315.4	337.4	381.6	422.9	460.6	494.6
115°	151.7	170.1	211.5	264.8	314.4	339.3	363.2	408.2	451.4	489.1	524.1
117.5°	170.1	187.6	229.9	283.2	334.7	359.5	383.4	430.3	473.5	513.0	547.1
120°	188.5	204.1	250.1	298.8	351.2	376.0	400.9	447.8	491.9	531.4	566.4
122.5°	205.0	219.7	264.8	312.6	364.1	389.8	413.7	461.5	506.6	546.1	580.1
125°	219.7	233.5	278.6	323.6	375.1	399.9	424.8	471.7	516.7	555.3	590.3
127.5°	234.5	248.2	288.7	334.7	382.5	408.2	432.1	479.0	523.1	562.7	596.7
130°	250.1	260.2	298.8	344.8	389.8	413.7	438.6	483.6	526.8	565.4	599.5
132.5°	263.0	272.1	308.9	353.1	395.3	418.3	440.4	485.5	528.7	565.4	598.5
135°	274.9	282.3	316.3	360.4	399.9	421.1	442.2	484.5	526.8	563.6	595.8
137.5°	285.9	293.3	322.7	365.9	403.6	422.0	442.2	481.8	522.2	559.0	589.3
140°	296.1	301.6	328.2	368.7	405.5	422.9	440.4	477.2	514.9	550.7	581.1
142.5°	306.2	310.8	332.8	370.5	406.4	422.9	439.5	471.7	506.6	541.5	571.9
145°	313.5	318.1	336.5	371.4	405.5	421.1	435.8	466.1	497.4	529.6	559.0
147.5°	321.8	325.5	340.2	369.6	402.7	417.4	431.2	458.8	487.3	516.7	544.3
150°	327.3	331.0	342.0	367.8	398.1	411.9	425.7	451.4	477.2	502.9	526.8
152.5°	332.8	335.6	344.8	365.0	392.6	405.5	418.3	443.2	467.1	490.0	511.2
155°	337.4	340.2	346.6	363.2	386.2	398.1	410.1	434.0	456.0	476.3	495.6
157.5°	342.0	343.9	348.5	360.4	378.8	389.8	400.9	422.0	442.2	462.5	478.1
160°	345.7	346.6	350.3	359.5	372.4	380.6	390.8	410.1	428.4	445.9	460.6
162.5°	349.4	349.4	352.1	357.7	366.8	372.4	379.7	396.3	412.8	428.4	442.2
165°	351.2	351.2	353.1	356.7	362.2	365.9	370.5	381.6	394.4	408.2	421.1
167.5°	353.1	353.1	354.0	355.8	359.5	361.3	363.2	370.5	378.8	388.9	399.0
170°	354.9	354.0	354.0	355.8	356.7	357.7	358.6	362.2	365.9	372.4	377.9
172.5°	354.9	354.0	354.0	354.9	354.9	354.9	354.9	355.8	356.7	360.4	362.2
175°	354.9	354.0	354.0	354.0	354.0	353.1	353.1	353.1	353.1	353.1	354.0
177.5°	354.9	354.0	353.1	353.1	352.1	352.1	351.2	351.2	350.3	350.3	350.3
180°	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3	259.3
2.5°	260.2	260.2	259.3	259.3	258.4	258.4	257.4	256.5	255.6	255.6
5°	261.1	260.2	259.3	259.3	259.3	258.4	258.4	258.4	257.4	257.4
7.5°	261.1	261.1	261.1	260.2	260.2	260.2	260.2	260.2	259.3	259.3
10°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	261.1	261.1	261.1
12.5°	262.0	262.0	262.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0
15°	263.0	263.0	263.9	263.9	264.8	264.8	265.7	265.7	265.7	264.8
17.5°	262.0	263.0	263.9	264.8	265.7	265.7	266.6	266.6	266.6	266.6
20°	262.0	263.9	264.8	265.7	266.6	266.6	267.5	268.5	268.5	267.5
22.5°	261.1	263.0	263.9	265.7	266.6	266.6	268.5	268.5	268.5	268.5
25°	260.2	262.0	263.9	265.7	266.6	266.6	268.5	268.5	269.4	269.4
27.5°	258.4	260.2	263.0	264.8	265.7	266.6	267.5	268.5	268.5	268.5
30°	255.6	258.4	261.1	263.0	263.9	264.8	265.7	266.6	267.5	267.5
32.5°	251.9	254.7	257.4	260.2	261.1	262.0	263.9	264.8	264.8	264.8
35°	248.2	251.0	253.8	256.5	257.4	258.4	260.2	261.1	262.0	262.0
37.5°	242.7	245.5	248.2	251.0	251.9	253.8	255.6	256.5	256.5	256.5
40°	234.5	239.0	242.7	245.5	246.4	248.2	249.2	251.0	251.0	251.0
42.5°	227.1	230.8	233.5	237.2	238.1	240.9	242.7	243.6	244.6	244.6
45°	218.8	222.5	225.3	228.0	228.9	230.8	232.6	233.5	234.5	235.4
47.5°	210.5	213.3	216.1	218.8	219.7	221.6	223.4	224.3	225.3	225.3
50°	200.4	203.2	205.9	208.7	209.6	211.5	212.4	213.3	214.2	214.2
52.5°	189.4	192.2	194.9	197.7	198.6	199.5	201.4	202.3	203.2	203.2
55°	178.4	181.1	183.0	185.7	186.6	187.6	188.5	190.3	191.2	190.3
57.5°	165.5	168.3	170.1	172.8	173.8	174.7	175.6	176.5	177.4	177.4
60°	151.7	154.5	157.2	159.1	160.0	160.9	161.8	162.7	163.7	163.7
62.5°	137.9	140.7	142.5	145.3	146.2	146.2	147.1	148.0	148.9	148.9
65°	124.1	126.9	127.8	130.6	130.6	131.5	132.4	133.3	133.3	133.3
67.5°	109.4	112.2	113.1	114.9	114.9	115.8	116.8	117.7	117.7	117.7
70°	95.6	96.5	98.4	99.3	100.2	100.2	101.1	102.1	103.0	102.1
72.5°	80.9	81.8	83.7	84.6	84.6	85.5	85.5	86.4	87.3	87.3
75°	66.2	68.0	69.0	69.9	70.8	70.8	71.7	72.6	72.6	72.6
77.5°	52.4	54.2	55.2	56.1	57.0	57.0	57.9	57.9	58.8	57.9
80°	40.5	41.4	42.3	43.2	44.1	44.1	45.1	46.0	46.0	46.0
82.5°	29.4	30.3	32.2	33.1	33.1	33.1	34.9	34.9	35.9	34.9
85°	20.2	21.1	23.0	23.9	24.8	24.8	24.8	25.7	26.7	25.7
87.5°	12.9	14.7	15.6	16.5	16.5	16.5	17.5	18.4	18.4	18.4
90°	7.4	7.4	8.3	9.2	9.2	10.1	10.1	11.0	11.0	11.0
92.5°	7.4	8.3	8.3	8.3	9.2	9.2	9.2	10.1	10.1	10.1
95°	62.5	45.1	25.7	20.2	17.5	17.5	16.5	17.5	16.5	16.5
97.5°	189.4	205.0	212.4	222.5	228.0	227.1	223.4	227.1	224.3	227.1
100°	269.4	284.1	295.1	297.9	303.4	306.2	316.3	323.6	327.3	331.9
102.5°	334.7	352.1	365.0	372.4	377.9	381.6	393.5	404.5	410.1	413.7
105°	394.4	412.8	428.4	435.8	442.2	445.9	458.8	471.7	479.9	484.5
107.5°	442.2	463.4	479.9	491.0	497.4	503.8	519.5	532.3	542.5	547.1
110°	485.5	506.6	524.1	536.9	544.3	550.7	568.2	582.9	593.9	599.5



TEST NUMBER: P395404

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	521.3	544.3	561.8	575.6	582.9	592.1	608.7	625.2	636.2	642.7
115°	550.7	574.6	593.0	607.7	616.0	624.3	643.6	660.1	671.2	675.8
117.5°	575.6	599.5	618.8	633.5	642.7	651.9	671.2	685.9	697.8	701.5
120°	595.8	619.7	639.0	655.5	664.7	673.0	691.4	707.0	718.1	720.8
122.5°	609.6	634.4	654.6	673.0	681.3	689.6	707.0	722.7	732.8	735.5
125°	619.7	645.4	665.7	685.0	693.2	701.5	718.1	733.7	742.0	745.6
127.5°	626.1	651.9	673.9	692.3	701.5	708.9	725.4	739.2	747.5	750.2
130°	628.0	654.6	676.7	696.0	704.3	711.6	727.3	741.0	748.4	750.2
132.5°	628.0	653.7	676.7	695.1	703.4	710.7	725.4	738.3	745.6	747.5
135°	624.3	649.1	672.1	690.5	698.8	706.1	720.8	731.9	739.2	740.1
137.5°	617.8	641.8	663.8	682.2	690.5	697.8	710.7	722.7	729.1	730.9
140°	609.6	631.6	653.7	671.2	679.4	685.9	698.8	708.9	715.3	717.1
142.5°	598.5	620.6	640.8	658.3	664.7	672.1	683.1	693.2	698.8	700.6
145°	586.6	607.7	626.1	641.8	649.1	655.5	665.7	674.8	680.4	682.2
147.5°	571.0	592.1	609.6	624.3	630.7	637.2	646.3	654.6	660.1	662.0
150°	551.6	571.0	589.3	603.1	609.6	616.0	625.2	632.6	638.1	639.0
152.5°	532.3	550.7	566.4	580.1	586.6	593.0	601.3	608.7	615.1	615.1
155°	514.0	529.6	544.3	556.2	561.8	567.3	575.6	582.0	587.5	587.5
157.5°	494.6	509.4	521.3	532.3	536.9	541.5	548.9	554.4	559.0	558.1
160°	476.3	487.3	498.3	507.5	512.1	515.8	521.3	525.9	530.5	529.6
162.5°	456.0	466.1	475.3	481.8	485.5	488.2	493.7	498.3	501.1	501.1
165°	433.0	442.2	450.5	456.9	460.6	462.5	467.1	469.8	472.6	472.6
167.5°	409.1	416.5	423.8	429.4	433.0	434.9	439.5	441.3	445.0	444.1
170°	385.2	390.8	396.3	400.9	402.7	404.5	408.2	410.1	411.9	411.9
172.5°	365.9	367.8	370.5	374.2	374.2	375.1	377.0	377.9	378.8	378.8
175°	354.9	355.8	355.8	355.8	355.8	355.8	356.7	355.8	356.7	355.8
177.5°	350.3	350.3	349.4	349.4	348.5	349.4	348.5	347.5	347.5	346.6
180°	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5

(END OF REPORT)