

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: P395405

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395405
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 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

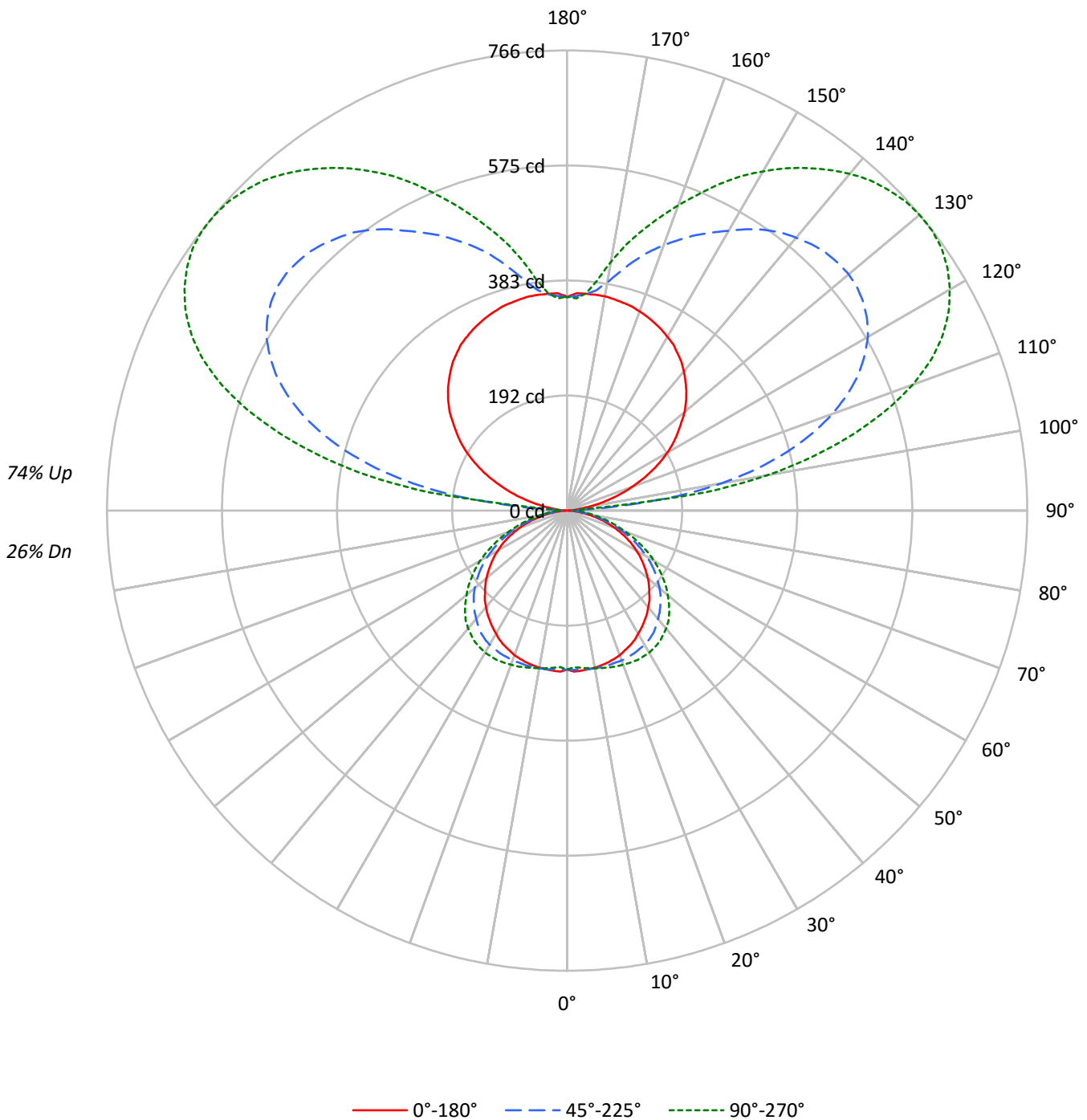
Lumens per Lamp: N/A
Luminaire Lumens: 3486.9 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 28.7
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	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°	1454	1454	1454
5°	1470	1432	1408
10°	1471	1421	1405
15°	1473	1416	1411
20°	1476	1416	1425
25°	1473	1418	1443
30°	1465	1420	1454
35°	1461	1412	1455
40°	1456	1382	1436
45°	1441	1349	1400
50°	1428	1304	1338
55°	1398	1238	1261
60°	1364	1151	1164
65°	1309	1034	1032
70°	1214	880	874
75°	1048	700	701
80°	813	497	514
85°	479	308	345



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.3	0.7
10°-20°	75.2	2.2
20°-30°	120.6	3.5
30°-40°	154.2	4.4
40°-50°	168.2	4.8
50°-60°	157.6	4.5
60°-70°	122.3	3.5
70°-80°	70.1	2.0
80°-90°	22.4	0.6
90°-100°	89.9	2.6
100°-110°	349.6	10.0
110°-120°	476.0	13.6
120°-130°	494.1	14.2
130°-140°	438.3	12.6
140°-150°	340.0	9.8
150°-160°	226.9	6.5
160°-170°	121.0	3.5
170°-180°	35.4	1.0
0°-30°	221.1	6.3
0°-40°	375.4	10.8
0°-60°	701.1	20.1
0°-90°	915.8	26.3
90°-120°	915.5	26.3
90°-150°	2187.8	62.7
90°-180°	2571.0	73.7
0°-180°	3486.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	265	265	265	265	265	
5°	267	265	266	265	263	25
15°	262	261	266	270	270	74
25°	248	250	263	272	275	114
35°	224	229	250	263	267	140
45°	193	202	220	234	240	149
55°	155	163	178	190	194	138
65°	110	114	125	133	136	108
75°	57	60	66	72	74	61
85°	11	13	20	25	26	14
90°	1	3	7	9	11	1
95°	11	64	87	18	17	15
105°	74	224	380	451	494	79
115°	155	346	535	629	690	153
125°	224	408	602	708	761	201
135°	281	430	608	713	755	216
145°	320	430	570	662	696	200
155°	344	406	506	573	600	159
165°	358	374	430	470	482	101
175°	362	360	361	363	363	35
180°	356	356	356	356	356	



TEST NUMBER: P395405

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6
2.5°	268.4	267.4	267.4	265.5	265.5	264.6	264.6	264.6	264.6	264.6	265.5
5°	267.4	267.4	266.5	265.5	265.5	264.6	264.6	264.6	264.6	264.6	265.5
7.5°	266.5	266.5	265.5	264.6	264.6	264.6	264.6	264.6	264.6	264.6	266.5
10°	265.5	265.5	264.6	263.7	263.7	263.7	263.7	264.6	264.6	264.6	266.5
12.5°	263.7	262.7	262.7	261.8	261.8	261.8	262.7	262.7	263.7	264.6	266.5
15°	261.8	261.8	260.9	259.9	260.9	260.9	260.9	261.8	262.7	263.7	266.5
17.5°	259.0	259.0	258.0	258.0	258.0	259.0	259.0	259.9	261.8	263.7	265.5
20°	256.2	255.2	255.2	255.2	256.2	256.2	257.1	259.0	259.9	262.7	265.5
22.5°	251.5	252.4	251.5	251.5	252.4	253.3	254.3	256.2	258.0	260.9	263.7
25°	247.7	247.7	247.7	247.7	249.6	249.6	251.5	253.3	256.2	259.0	262.7
27.5°	243.0	243.0	243.0	244.0	244.9	245.8	246.8	249.6	252.4	256.2	259.9
30°	236.5	236.5	236.5	236.5	239.3	240.2	242.1	245.8	248.7	253.3	258.0
32.5°	230.8	230.8	230.8	231.8	233.6	234.6	236.5	241.1	244.9	249.6	254.3
35°	224.3	224.3	225.2	225.2	228.0	228.9	230.8	234.6	238.3	244.0	249.6
37.5°	217.7	217.7	218.6	219.6	221.4	223.3	225.2	228.9	232.7	237.4	243.0
40°	210.2	210.2	211.1	212.1	214.9	216.8	218.6	222.4	226.1	230.8	235.5
42.5°	202.7	202.7	203.6	204.6	207.4	209.2	211.1	215.8	219.6	224.3	228.0
45°	193.3	194.2	195.2	197.0	199.9	201.7	203.6	207.4	212.1	215.8	219.6
47.5°	184.8	185.8	186.7	188.6	191.4	193.3	195.2	198.9	202.7	206.4	211.1
50°	175.5	176.4	177.3	179.2	182.0	183.9	185.8	189.5	193.3	196.1	200.8
52.5°	165.1	166.1	167.0	168.9	172.7	173.6	175.5	179.2	182.0	185.8	189.5
55°	154.8	155.8	156.7	158.6	161.4	163.3	164.2	168.0	170.8	174.5	178.3
57.5°	144.5	145.4	146.4	148.3	150.1	152.0	152.9	155.8	159.5	162.3	166.1
60°	133.2	134.2	135.1	136.1	138.9	139.8	140.7	143.6	146.4	150.1	152.9
62.5°	122.0	122.0	122.9	123.9	126.7	127.6	128.5	130.4	134.2	136.1	138.9
65°	109.8	109.8	110.7	111.7	113.5	114.5	115.4	117.3	120.1	122.0	124.8
67.5°	96.6	96.6	97.6	98.5	100.4	101.3	101.3	104.2	106.0	107.9	109.8
70°	84.4	84.4	85.4	85.4	86.3	87.3	88.2	90.1	91.0	93.8	94.8
72.5°	71.3	71.3	71.3	71.3	73.2	73.2	74.1	76.0	76.9	78.8	80.7
75°	57.2	57.2	58.2	58.2	59.1	60.1	61.0	61.9	63.8	64.7	65.7
77.5°	45.0	44.1	45.0	46.0	46.9	46.9	47.9	48.8	49.7	51.6	52.5
80°	31.9	31.9	31.9	32.8	33.8	33.8	34.7	35.7	36.6	38.5	39.4
82.5°	20.6	20.6	21.6	21.6	22.5	23.5	23.5	24.4	25.3	27.2	28.1
85°	11.3	11.3	11.3	12.2	13.1	13.1	14.1	15.0	16.9	17.8	19.7
87.5°	3.8	3.8	4.7	5.6	6.6	6.6	7.5	8.4	9.4	11.3	12.2
90°	0.9	0.9	0.9	1.9	1.9	2.8	2.8	3.8	4.7	5.6	6.6
92.5°	3.8	6.6	10.3	15.0	14.1	15.0	10.3	6.6	6.6	6.6	7.5
95°	11.3	16.9	27.2	43.2	56.3	63.8	70.4	76.9	90.1	91.0	87.3
97.5°	22.5	31.0	49.7	70.4	93.8	106.0	115.4	135.1	155.8	168.9	184.8
100°	37.5	49.7	74.1	102.3	129.5	145.4	160.5	188.6	213.9	236.5	260.9
102.5°	55.4	69.4	99.5	134.2	168.0	185.8	201.7	234.6	269.3	299.3	325.6
105°	74.1	90.1	125.7	165.1	203.6	224.3	244.0	279.6	316.2	349.1	380.0
107.5°	94.8	111.7	150.1	194.2	237.4	260.9	282.4	320.9	359.4	395.0	427.9
110°	114.5	133.2	173.6	221.4	270.2	293.7	315.3	357.5	397.8	435.4	470.1



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	135.1	154.8	195.2	247.7	297.4	321.8	344.4	389.4	431.6	470.1	504.8
115°	154.8	173.6	215.8	270.2	320.9	346.2	370.6	416.6	460.7	499.2	534.8
117.5°	173.6	191.4	234.6	289.0	341.5	366.9	391.3	439.1	483.2	523.6	558.3
120°	192.4	208.3	255.2	305.0	358.4	383.8	409.1	457.0	502.0	542.3	578.0
122.5°	209.2	224.3	270.2	319.0	371.6	397.8	422.2	471.0	517.0	557.4	592.1
125°	224.3	238.3	284.3	330.3	382.8	408.2	433.5	481.4	527.3	566.7	602.4
127.5°	239.3	253.3	294.6	341.5	390.3	416.6	441.0	488.9	533.9	574.3	609.0
130°	255.2	265.5	305.0	351.9	397.8	422.2	447.6	493.6	537.7	577.1	611.8
132.5°	268.4	277.7	315.3	360.3	403.5	426.9	449.5	495.4	539.5	577.1	610.8
135°	280.6	288.1	322.8	367.8	408.2	429.8	451.3	494.5	537.7	575.2	608.0
137.5°	291.8	299.3	329.3	373.5	411.9	430.7	451.3	491.7	533.0	570.5	601.5
140°	302.1	307.8	335.0	376.3	413.8	431.6	449.5	487.0	525.5	562.1	593.0
142.5°	312.5	317.2	339.7	378.1	414.7	431.6	448.5	481.4	517.0	552.7	583.6
145°	320.0	324.7	343.4	379.1	413.8	429.8	444.8	475.7	507.6	540.5	570.5
147.5°	328.4	332.2	347.2	377.2	411.0	426.0	440.1	468.2	497.3	527.3	555.5
150°	334.0	337.8	349.1	375.3	406.3	420.4	434.4	460.7	487.0	513.3	537.7
152.5°	339.7	342.5	351.9	372.5	400.7	413.8	426.9	452.3	476.7	500.1	521.7
155°	344.4	347.2	353.7	370.6	394.1	406.3	418.5	442.9	465.4	486.0	505.8
157.5°	349.1	350.9	355.6	367.8	386.6	397.8	409.1	430.7	451.3	472.0	487.9
160°	352.8	353.7	357.5	366.9	380.0	388.5	398.8	418.5	437.3	455.1	470.1
162.5°	356.6	356.6	359.4	365.0	374.4	380.0	387.5	404.4	421.3	437.3	451.3
165°	358.4	358.4	360.3	364.1	369.7	373.5	378.1	389.4	402.5	416.6	429.8
167.5°	360.3	360.3	361.3	363.1	366.9	368.8	370.6	378.1	386.6	396.9	407.2
170°	362.2	361.3	361.3	363.1	364.1	365.0	365.9	369.7	373.5	380.0	385.6
172.5°	362.2	361.3	361.3	362.2	362.2	362.2	362.2	363.1	364.1	367.8	369.7
175°	362.2	361.3	361.3	361.3	361.3	360.3	360.3	360.3	360.3	360.3	361.3
177.5°	362.2	361.3	360.3	360.3	359.4	359.4	358.4	358.4	357.5	357.5	357.5
180°	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6
2.5°	265.5	265.5	264.6	264.6	263.7	263.7	262.7	261.8	260.9	260.9
5°	266.5	265.5	264.6	264.6	264.6	263.7	263.7	263.7	262.7	262.7
7.5°	266.5	266.5	266.5	265.5	265.5	265.5	265.5	265.5	264.6	264.6
10°	267.4	267.4	267.4	267.4	267.4	267.4	267.4	266.5	266.5	266.5
12.5°	267.4	267.4	267.4	268.4	268.4	268.4	268.4	268.4	268.4	268.4
15°	268.4	268.4	269.3	269.3	270.2	270.2	271.2	271.2	271.2	270.2
17.5°	267.4	268.4	269.3	270.2	271.2	271.2	272.1	272.1	272.1	272.1
20°	267.4	269.3	270.2	271.2	272.1	272.1	273.1	274.0	274.0	273.1
22.5°	266.5	268.4	269.3	271.2	272.1	272.1	274.0	274.0	274.0	274.0
25°	265.5	267.4	269.3	271.2	272.1	272.1	274.0	274.0	274.9	274.9
27.5°	263.7	265.5	268.4	270.2	271.2	272.1	273.1	274.0	274.0	274.0
30°	260.9	263.7	266.5	268.4	269.3	270.2	271.2	272.1	273.1	273.1
32.5°	257.1	259.9	262.7	265.5	266.5	267.4	269.3	270.2	270.2	270.2
35°	253.3	256.2	259.0	261.8	262.7	263.7	265.5	266.5	267.4	267.4
37.5°	247.7	250.5	253.3	256.2	257.1	259.0	260.9	261.8	261.8	261.8
40°	239.3	244.0	247.7	250.5	251.5	253.3	254.3	256.2	256.2	256.2
42.5°	231.8	235.5	238.3	242.1	243.0	245.8	247.7	248.7	249.6	249.6
45°	223.3	227.1	229.9	232.7	233.6	235.5	237.4	238.3	239.3	240.2
47.5°	214.9	217.7	220.5	223.3	224.3	226.1	228.0	228.9	229.9	229.9
50°	204.6	207.4	210.2	213.0	213.9	215.8	216.8	217.7	218.6	218.6
52.5°	193.3	196.1	198.9	201.7	202.7	203.6	205.5	206.4	207.4	207.4
55°	182.0	184.8	186.7	189.5	190.5	191.4	192.4	194.2	195.2	194.2
57.5°	168.9	171.7	173.6	176.4	177.3	178.3	179.2	180.2	181.1	181.1
60°	154.8	157.6	160.5	162.3	163.3	164.2	165.1	166.1	167.0	167.0
62.5°	140.7	143.6	145.4	148.3	149.2	149.2	150.1	151.1	152.0	152.0
65°	126.7	129.5	130.4	133.2	133.2	134.2	135.1	136.1	136.1	136.1
67.5°	111.7	114.5	115.4	117.3	117.3	118.2	119.2	120.1	120.1	120.1
70°	97.6	98.5	100.4	101.3	102.3	102.3	103.2	104.2	105.1	104.2
72.5°	82.6	83.5	85.4	86.3	86.3	87.3	87.3	88.2	89.1	89.1
75°	67.6	69.4	70.4	71.3	72.3	72.3	73.2	74.1	74.1	74.1
77.5°	53.5	55.4	56.3	57.2	58.2	58.2	59.1	59.1	60.1	59.1
80°	41.3	42.2	43.2	44.1	45.0	45.0	46.0	46.9	46.9	46.9
82.5°	30.0	31.0	32.8	33.8	33.8	33.8	35.7	35.7	36.6	35.7
85°	20.6	21.6	23.5	24.4	25.3	25.3	25.3	26.3	27.2	26.3
87.5°	13.1	15.0	16.0	16.9	16.9	16.9	17.8	18.8	18.8	18.8
90°	7.5	7.5	8.4	9.4	9.4	10.3	10.3	11.3	11.3	11.3
92.5°	7.5	8.4	8.4	8.4	9.4	9.4	9.4	10.3	10.3	10.3
95°	63.8	46.0	26.3	20.6	17.8	17.8	16.9	17.8	16.9	16.9
97.5°	193.3	209.2	216.8	227.1	232.7	231.8	228.0	231.8	228.9	231.8
100°	274.9	289.9	301.2	304.0	309.6	312.5	322.8	330.3	334.0	338.7
102.5°	341.5	359.4	372.5	380.0	385.6	389.4	401.6	412.9	418.5	422.2
105°	402.5	421.3	437.3	444.8	451.3	455.1	468.2	481.4	489.8	494.5
107.5°	451.3	472.9	489.8	501.1	507.6	514.2	530.2	543.3	553.6	558.3
110°	495.4	517.0	534.8	548.0	555.5	562.1	579.9	594.9	606.2	611.8



TEST NUMBER: P395405

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	532.0	555.5	573.3	587.4	594.9	604.3	621.2	638.1	649.3	655.9
115°	562.1	586.4	605.2	620.2	628.7	637.1	656.8	673.7	685.0	689.7
117.5°	587.4	611.8	631.5	646.5	655.9	665.3	685.0	700.0	712.2	715.9
120°	608.0	632.4	652.1	669.0	678.4	686.8	705.6	721.6	732.8	735.6
122.5°	622.1	647.4	668.1	686.8	695.3	703.7	721.6	737.5	747.8	750.7
125°	632.4	658.7	679.3	699.0	707.5	715.9	732.8	748.8	757.2	761.0
127.5°	639.0	665.3	687.8	706.6	715.9	723.4	740.3	754.4	762.9	765.7
130°	640.9	668.1	690.6	710.3	718.8	726.3	742.2	756.3	763.8	765.7
132.5°	640.9	667.1	690.6	709.4	717.8	725.3	740.3	753.5	761.0	762.9
135°	637.1	662.5	685.9	704.7	713.1	720.6	735.6	746.9	754.4	755.3
137.5°	630.6	654.9	677.5	696.2	704.7	712.2	725.3	737.5	744.1	746.0
140°	622.1	644.6	667.1	685.0	693.4	700.0	713.1	723.4	730.0	731.9
142.5°	610.8	633.4	654.0	671.8	678.4	685.9	697.2	707.5	713.1	715.0
145°	598.6	620.2	639.0	654.9	662.5	669.0	679.3	688.7	694.4	696.2
147.5°	582.7	604.3	622.1	637.1	643.7	650.3	659.6	668.1	673.7	675.6
150°	563.0	582.7	601.5	615.5	622.1	628.7	638.1	645.6	651.2	652.1
152.5°	543.3	562.1	578.0	592.1	598.6	605.2	613.7	621.2	627.7	627.7
155°	524.5	540.5	555.5	567.7	573.3	578.9	587.4	594.0	599.6	599.6
157.5°	504.8	519.8	532.0	543.3	548.0	552.7	560.2	565.8	570.5	569.6
160°	486.0	497.3	508.6	518.0	522.6	526.4	532.0	536.7	541.4	540.5
162.5°	465.4	475.7	485.1	491.7	495.4	498.2	503.9	508.6	511.4	511.4
165°	441.9	451.3	459.8	466.3	470.1	472.0	476.7	479.5	482.3	482.3
167.5°	417.6	425.1	432.6	438.2	441.9	443.8	448.5	450.4	454.1	453.2
170°	393.2	398.8	404.4	409.1	411.0	412.9	416.6	418.5	420.4	420.4
172.5°	373.5	375.3	378.1	381.9	381.9	382.8	384.7	385.6	386.6	386.6
175°	362.2	363.1	363.1	363.1	363.1	363.1	364.1	363.1	364.1	363.1
177.5°	357.5	357.5	356.6	356.6	355.6	356.6	355.6	354.7	354.7	353.7
180°	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6	355.6

(END OF REPORT)