

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: P395402

Luminaire Tested: **I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395402
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 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3265.1 lumens
Efficiency: N/A
Efficacy: 115.8 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

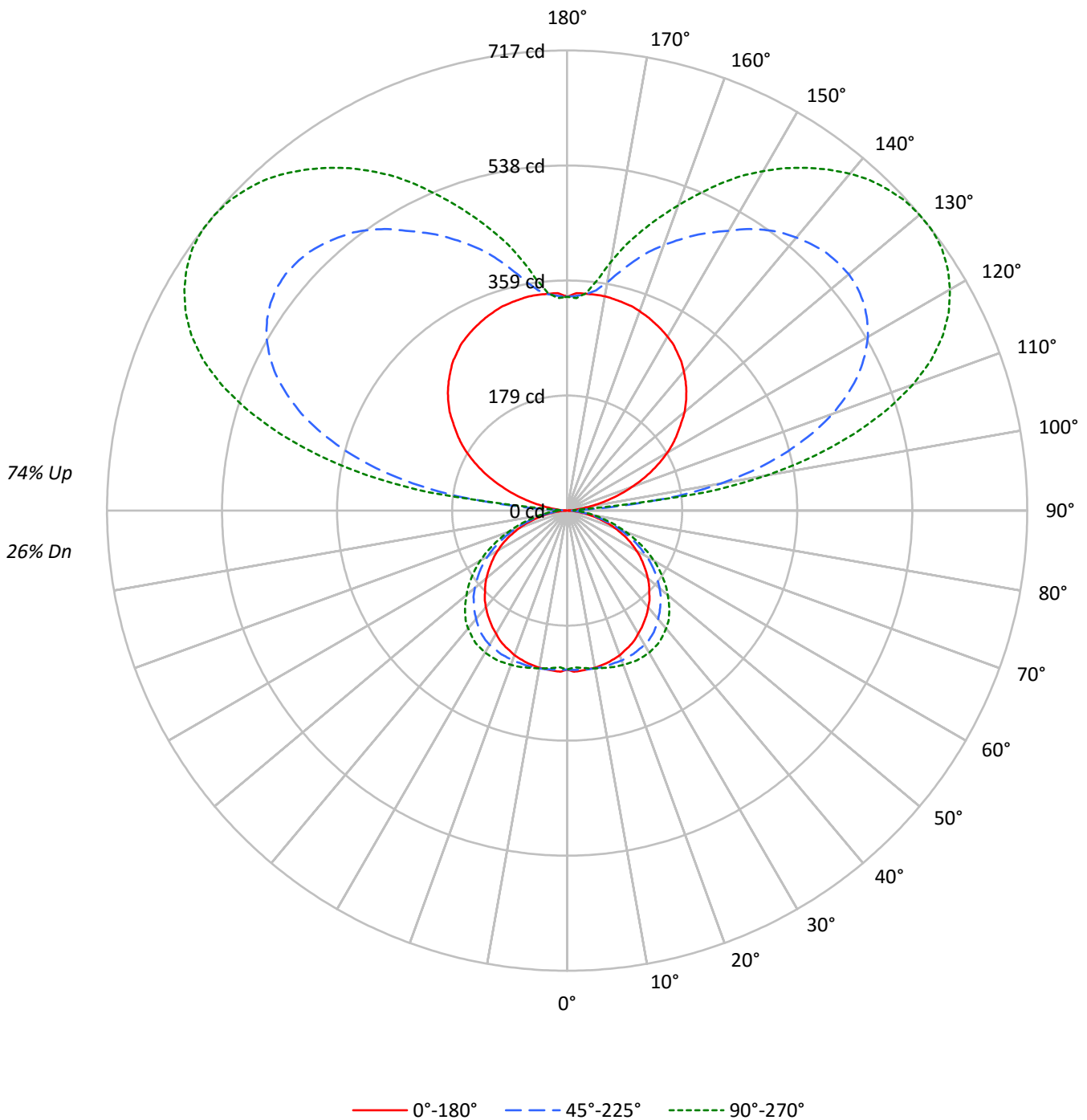
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)

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°	1362	1362	1362
5°	1376	1340	1319
10°	1377	1330	1315
15°	1379	1325	1322
20°	1382	1326	1334
25°	1380	1327	1351
30°	1371	1329	1361
35°	1368	1322	1362
40°	1363	1294	1345
45°	1350	1263	1311
50°	1337	1221	1253
55°	1310	1159	1181
60°	1278	1078	1090
65°	1225	968	966
70°	1138	824	818
75°	982	656	657
80°	762	466	481
85°	445	289	323



TEST NUMBER: P395402

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.7
10°-20°	70.4	2.2
20°-30°	112.9	3.5
30°-40°	144.4	4.4
40°-50°	157.5	4.8
50°-60°	147.5	4.5
60°-70°	114.5	3.5
70°-80°	65.6	2.0
80°-90°	21.0	0.6
90°-100°	84.2	2.6
100°-110°	327.3	10.0
110°-120°	445.7	13.6
120°-130°	462.6	14.2
130°-140°	410.4	12.6
140°-150°	318.4	9.8
150°-160°	212.5	6.5
160°-170°	113.3	3.5
170°-180°	33.1	1.0
0°-30°	207.1	6.3
0°-40°	351.5	10.8
0°-60°	656.5	20.1
0°-90°	857.6	26.3
90°-120°	857.2	26.3
90°-150°	2048.6	62.7
90°-180°	2408.0	73.7
0°-180°	3265.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	248	248	248	248	248	
5°	250	248	249	248	246	24
15°	245	244	250	253	253	69
25°	232	234	246	255	257	107
35°	210	214	234	246	250	131
45°	181	189	206	219	225	140
55°	145	153	167	178	182	130
65°	103	107	117	125	127	101
75°	54	56	62	68	69	57
85°	10	12	18	24	25	13
90°	1	3	6	9	10	1
95°	10	60	82	17	16	14
105°	69	210	356	423	463	74
115°	145	324	501	589	646	143
125°	210	382	564	662	713	188
135°	263	402	569	668	707	202
145°	300	402	534	620	652	188
155°	322	380	474	537	561	149
165°	336	350	402	440	452	95
175°	339	337	338	340	340	32
180°	333	333	333	333	333	



TEST NUMBER: P395402

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8
2.5°	251.3	250.4	250.4	248.6	248.6	247.8	247.8	247.8	247.8	247.8	248.6
5°	250.4	250.4	249.5	248.6	248.6	247.8	247.8	247.8	247.8	247.8	248.6
7.5°	249.5	249.5	248.6	247.8	247.8	247.8	247.8	247.8	247.8	247.8	249.5
10°	248.6	248.6	247.8	246.9	246.9	246.9	246.9	247.8	247.8	247.8	249.5
12.5°	246.9	246.0	246.0	245.1	245.1	245.1	246.0	246.0	246.9	247.8	249.5
15°	245.1	245.1	244.3	243.4	244.3	244.3	244.3	245.1	246.0	246.9	249.5
17.5°	242.5	242.5	241.6	241.6	241.6	242.5	242.5	243.4	245.1	246.9	248.6
20°	239.9	239.0	239.0	239.0	239.9	239.9	240.7	242.5	243.4	246.0	248.6
22.5°	235.5	236.3	235.5	235.5	236.3	237.2	238.1	239.9	241.6	244.3	246.9
25°	232.0	232.0	232.0	232.0	233.7	233.7	235.5	237.2	239.9	242.5	246.0
27.5°	227.6	227.6	227.6	228.4	229.3	230.2	231.1	233.7	236.3	239.9	243.4
30°	221.4	221.4	221.4	221.4	224.0	224.9	226.7	230.2	232.8	237.2	241.6
32.5°	216.1	216.1	216.1	217.0	218.8	219.7	221.4	225.8	229.3	233.7	238.1
35°	210.0	210.0	210.9	210.9	213.5	214.4	216.1	219.7	223.2	228.4	233.7
37.5°	203.8	203.8	204.7	205.6	207.4	209.1	210.9	214.4	217.9	222.3	227.6
40°	196.8	196.8	197.7	198.6	201.2	203.0	204.7	208.2	211.7	216.1	220.5
42.5°	189.8	189.8	190.7	191.5	194.2	195.9	197.7	202.1	205.6	210.0	213.5
45°	181.0	181.9	182.8	184.5	187.1	188.9	190.7	194.2	198.6	202.1	205.6
47.5°	173.1	174.0	174.8	176.6	179.2	181.0	182.8	186.3	189.8	193.3	197.7
50°	164.3	165.2	166.1	167.8	170.5	172.2	174.0	177.5	181.0	183.6	188.0
52.5°	154.6	155.5	156.4	158.2	161.7	162.5	164.3	167.8	170.5	174.0	177.5
55°	145.0	145.9	146.7	148.5	151.1	152.9	153.8	157.3	159.9	163.4	166.9
57.5°	135.3	136.2	137.1	138.8	140.6	142.3	143.2	145.9	149.4	152.0	155.5
60°	124.8	125.6	126.5	127.4	130.0	130.9	131.8	134.4	137.1	140.6	143.2
62.5°	114.2	114.2	115.1	116.0	118.6	119.5	120.4	122.1	125.6	127.4	130.0
65°	102.8	102.8	103.7	104.6	106.3	107.2	108.1	109.8	112.5	114.2	116.9
67.5°	90.5	90.5	91.4	92.3	94.0	94.9	94.9	97.5	99.3	101.0	102.8
70°	79.1	79.1	80.0	80.0	80.8	81.7	82.6	84.3	85.2	87.9	88.7
72.5°	66.8	66.8	66.8	66.8	68.5	68.5	69.4	71.2	72.0	73.8	75.6
75°	53.6	53.6	54.5	54.5	55.4	56.2	57.1	58.0	59.7	60.6	61.5
77.5°	42.2	41.3	42.2	43.1	43.9	43.9	44.8	45.7	46.6	48.3	49.2
80°	29.9	29.9	29.9	30.8	31.6	31.6	32.5	33.4	34.3	36.0	36.9
82.5°	19.3	19.3	20.2	20.2	21.1	22.0	22.0	22.8	23.7	25.5	26.4
85°	10.5	10.5	10.5	11.4	12.3	12.3	13.2	14.1	15.8	16.7	18.5
87.5°	3.5	3.5	4.4	5.3	6.2	6.2	7.0	7.9	8.8	10.5	11.4
90°	0.9	0.9	0.9	1.8	1.8	2.6	2.6	3.5	4.4	5.3	6.2
92.5°	3.5	6.2	9.7	14.1	13.2	14.1	9.7	6.2	6.2	6.2	7.0
95°	10.5	15.8	25.5	40.4	52.7	59.7	65.9	72.0	84.3	85.2	81.7
97.5°	21.1	29.0	46.6	65.9	87.9	99.3	108.1	126.5	145.9	158.2	173.1
100°	35.1	46.6	69.4	95.8	121.2	136.2	150.2	176.6	200.3	221.4	244.3
102.5°	51.8	65.0	93.1	125.6	157.3	174.0	188.9	219.7	252.2	280.3	304.9
105°	69.4	84.3	117.7	154.6	190.7	210.0	228.4	261.8	296.1	326.8	355.8
107.5°	88.7	104.6	140.6	181.9	222.3	244.3	264.5	300.5	336.5	369.9	400.6
110°	107.2	124.8	162.5	207.4	253.0	275.0	295.2	334.8	372.5	407.7	440.2



TEST NUMBER: P395402

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	126.5	145.0	182.8	232.0	278.5	301.4	322.5	364.6	404.2	440.2	472.7
115°	145.0	162.5	202.1	253.0	300.5	324.2	347.1	390.1	431.4	467.4	500.8
117.5°	162.5	179.2	219.7	270.6	319.8	343.5	366.4	411.2	452.5	490.3	522.8
120°	180.1	195.1	239.0	285.6	335.6	359.4	383.1	427.9	470.1	507.8	541.2
122.5°	195.9	210.0	253.0	298.7	347.9	372.5	395.4	441.1	484.1	521.9	554.4
125°	210.0	223.2	266.2	309.3	358.5	382.2	405.9	450.7	493.8	530.7	564.1
127.5°	224.0	237.2	275.9	319.8	365.5	390.1	412.9	457.8	499.9	537.7	570.2
130°	239.0	248.6	285.6	329.5	372.5	395.4	419.1	462.2	503.4	540.3	572.9
132.5°	251.3	260.1	295.2	337.4	377.8	399.8	420.9	463.9	505.2	540.3	572.0
135°	262.7	269.7	302.2	344.4	382.2	402.4	422.6	463.0	503.4	538.6	569.3
137.5°	273.2	280.3	308.4	349.7	385.7	403.3	422.6	460.4	499.1	534.2	563.2
140°	282.9	288.2	313.7	352.3	387.5	404.2	420.9	456.0	492.0	526.3	555.3
142.5°	292.6	297.0	318.1	354.1	388.3	404.2	420.0	450.7	484.1	517.5	546.5
145°	299.6	304.0	321.6	355.0	387.5	402.4	416.5	445.5	475.3	506.1	534.2
147.5°	307.5	311.0	325.1	353.2	384.8	398.9	412.1	438.4	465.7	493.8	520.1
150°	312.8	316.3	326.8	351.4	380.4	393.6	406.8	431.4	456.0	480.6	503.4
152.5°	318.1	320.7	329.5	348.8	375.2	387.5	399.8	423.5	446.3	468.3	488.5
155°	322.5	325.1	331.2	347.1	369.0	380.4	391.9	414.7	435.8	455.1	473.6
157.5°	326.8	328.6	333.0	344.4	362.0	372.5	383.1	403.3	422.6	441.9	456.9
160°	330.4	331.2	334.8	343.5	355.8	363.7	373.4	391.9	409.4	426.1	440.2
162.5°	333.9	333.9	336.5	341.8	350.6	355.8	362.9	378.7	394.5	409.4	422.6
165°	335.6	335.6	337.4	340.9	346.2	349.7	354.1	364.6	376.9	390.1	402.4
167.5°	337.4	337.4	338.3	340.0	343.5	345.3	347.1	354.1	362.0	371.7	381.3
170°	339.1	338.3	338.3	340.0	340.9	341.8	342.7	346.2	349.7	355.8	361.1
172.5°	339.1	338.3	338.3	339.1	339.1	339.1	339.1	340.0	340.9	344.4	346.2
175°	339.1	338.3	338.3	338.3	338.3	337.4	337.4	337.4	337.4	337.4	338.3
177.5°	339.1	338.3	337.4	337.4	336.5	336.5	335.6	335.6	334.8	334.8	334.8
180°	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0



TEST NUMBER: P395402

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8
2.5°	248.6	248.6	247.8	247.8	246.9	246.9	246.0	245.1	244.3	244.3
5°	249.5	248.6	247.8	247.8	247.8	246.9	246.9	246.9	246.0	246.0
7.5°	249.5	249.5	249.5	248.6	248.6	248.6	248.6	248.6	247.8	247.8
10°	250.4	250.4	250.4	250.4	250.4	250.4	250.4	249.5	249.5	249.5
12.5°	250.4	250.4	250.4	251.3	251.3	251.3	251.3	251.3	251.3	251.3
15°	251.3	251.3	252.2	252.2	253.0	253.0	253.9	253.9	253.9	253.0
17.5°	250.4	251.3	252.2	253.0	253.9	253.9	254.8	254.8	254.8	254.8
20°	250.4	252.2	253.0	253.9	254.8	254.8	255.7	256.6	256.6	255.7
22.5°	249.5	251.3	252.2	253.9	254.8	254.8	256.6	256.6	256.6	256.6
25°	248.6	250.4	252.2	253.9	254.8	254.8	256.6	256.6	257.4	257.4
27.5°	246.9	248.6	251.3	253.0	253.9	254.8	255.7	256.6	256.6	256.6
30°	244.3	246.9	249.5	251.3	252.2	253.0	253.9	254.8	255.7	255.7
32.5°	240.7	243.4	246.0	248.6	249.5	250.4	252.2	253.0	253.0	253.0
35°	237.2	239.9	242.5	245.1	246.0	246.9	248.6	249.5	250.4	250.4
37.5°	232.0	234.6	237.2	239.9	240.7	242.5	244.3	245.1	245.1	245.1
40°	224.0	228.4	232.0	234.6	235.5	237.2	238.1	239.9	239.9	239.9
42.5°	217.0	220.5	223.2	226.7	227.6	230.2	232.0	232.8	233.7	233.7
45°	209.1	212.6	215.3	217.9	218.8	220.5	222.3	223.2	224.0	224.9
47.5°	201.2	203.8	206.5	209.1	210.0	211.7	213.5	214.4	215.3	215.3
50°	191.5	194.2	196.8	199.4	200.3	202.1	203.0	203.8	204.7	204.7
52.5°	181.0	183.6	186.3	188.9	189.8	190.7	192.4	193.3	194.2	194.2
55°	170.5	173.1	174.8	177.5	178.4	179.2	180.1	181.9	182.8	181.9
57.5°	158.2	160.8	162.5	165.2	166.1	166.9	167.8	168.7	169.6	169.6
60°	145.0	147.6	150.2	152.0	152.9	153.8	154.6	155.5	156.4	156.4
62.5°	131.8	134.4	136.2	138.8	139.7	139.7	140.6	141.5	142.3	142.3
65°	118.6	121.2	122.1	124.8	124.8	125.6	126.5	127.4	127.4	127.4
67.5°	104.6	107.2	108.1	109.8	109.8	110.7	111.6	112.5	112.5	112.5
70°	91.4	92.3	94.0	94.9	95.8	95.8	96.6	97.5	98.4	97.5
72.5°	77.3	78.2	80.0	80.8	80.8	81.7	81.7	82.6	83.5	83.5
75°	63.3	65.0	65.9	66.8	67.7	67.7	68.5	69.4	69.4	69.4
77.5°	50.1	51.8	52.7	53.6	54.5	54.5	55.4	55.4	56.2	55.4
80°	38.7	39.5	40.4	41.3	42.2	42.2	43.1	43.9	43.9	43.9
82.5°	28.1	29.0	30.8	31.6	31.6	31.6	33.4	33.4	34.3	33.4
85°	19.3	20.2	22.0	22.8	23.7	23.7	23.7	24.6	25.5	24.6
87.5°	12.3	14.1	14.9	15.8	15.8	15.8	16.7	17.6	17.6	17.6
90°	7.0	7.0	7.9	8.8	8.8	9.7	9.7	10.5	10.5	10.5
92.5°	7.0	7.9	7.9	7.9	8.8	8.8	8.8	9.7	9.7	9.7
95°	59.7	43.1	24.6	19.3	16.7	16.7	15.8	16.7	15.8	15.8
97.5°	181.0	195.9	203.0	212.6	217.9	217.0	213.5	217.0	214.4	217.0
100°	257.4	271.5	282.0	284.7	289.9	292.6	302.2	309.3	312.8	317.2
102.5°	319.8	336.5	348.8	355.8	361.1	364.6	376.0	386.6	391.9	395.4
105°	376.9	394.5	409.4	416.5	422.6	426.1	438.4	450.7	458.6	463.0
107.5°	422.6	442.8	458.6	469.2	475.3	481.5	496.4	508.7	518.4	522.8
110°	463.9	484.1	500.8	513.1	520.1	526.3	543.0	557.0	567.6	572.9



TEST NUMBER: P395402

CATALOG NUMBER: I3-CL-40L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	498.2	520.1	536.8	550.0	557.0	565.8	581.6	597.5	608.0	614.2
115°	526.3	549.1	566.7	580.8	588.7	596.6	615.0	630.8	641.4	645.8
117.5°	550.0	572.9	591.3	605.4	614.2	622.9	641.4	655.4	666.9	670.4
120°	569.3	592.2	610.6	626.5	635.2	643.1	660.7	675.7	686.2	688.8
122.5°	582.5	606.2	625.6	643.1	651.1	659.0	675.7	690.6	700.3	702.9
125°	592.2	616.8	636.1	654.6	662.5	670.4	686.2	701.1	709.0	712.6
127.5°	598.3	622.9	644.0	661.6	670.4	677.4	693.2	706.4	714.3	717.0
130°	600.1	625.6	646.7	665.1	673.0	680.0	695.0	708.2	715.2	717.0
132.5°	600.1	624.7	646.7	664.2	672.1	679.2	693.2	705.5	712.6	714.3
135°	596.6	620.3	642.3	659.8	667.7	674.8	688.8	699.4	706.4	707.3
137.5°	590.4	613.3	634.4	651.9	659.8	666.9	679.2	690.6	696.7	698.5
140°	582.5	603.6	624.7	641.4	649.3	655.4	667.7	677.4	683.6	685.3
142.5°	572.0	593.1	612.4	629.1	635.2	642.3	652.8	662.5	667.7	669.5
145°	560.6	580.8	598.3	613.3	620.3	626.5	636.1	644.9	650.2	651.9
147.5°	545.6	565.8	582.5	596.6	602.7	608.9	617.7	625.6	630.8	632.6
150°	527.2	545.6	563.2	576.4	582.5	588.7	597.5	604.5	609.8	610.6
152.5°	508.7	526.3	541.2	554.4	560.6	566.7	574.6	581.6	587.8	587.8
155°	491.1	506.1	520.1	531.6	536.8	542.1	550.0	556.2	561.4	561.4
157.5°	472.7	486.8	498.2	508.7	513.1	517.5	524.5	529.8	534.2	533.3
160°	455.1	465.7	476.2	485.0	489.4	492.9	498.2	502.6	507.0	506.1
162.5°	435.8	445.5	454.2	460.4	463.9	466.5	471.8	476.2	478.8	478.8
165°	413.8	422.6	430.5	436.7	440.2	441.9	446.3	449.0	451.6	451.6
167.5°	391.0	398.0	405.0	410.3	413.8	415.6	420.0	421.7	425.3	424.4
170°	368.1	373.4	378.7	383.1	384.8	386.6	390.1	391.9	393.6	393.6
172.5°	349.7	351.4	354.1	357.6	357.6	358.5	360.2	361.1	362.0	362.0
175°	339.1	340.0	340.0	340.0	340.0	340.0	340.9	340.0	340.9	340.0
177.5°	334.8	334.8	333.9	333.9	333.0	333.9	333.0	332.1	332.1	331.2
180°	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0	333.0

(END OF REPORT)