

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: P395360

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395360
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-30L82765-1D-UNV-W2A-W-4 (2700K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

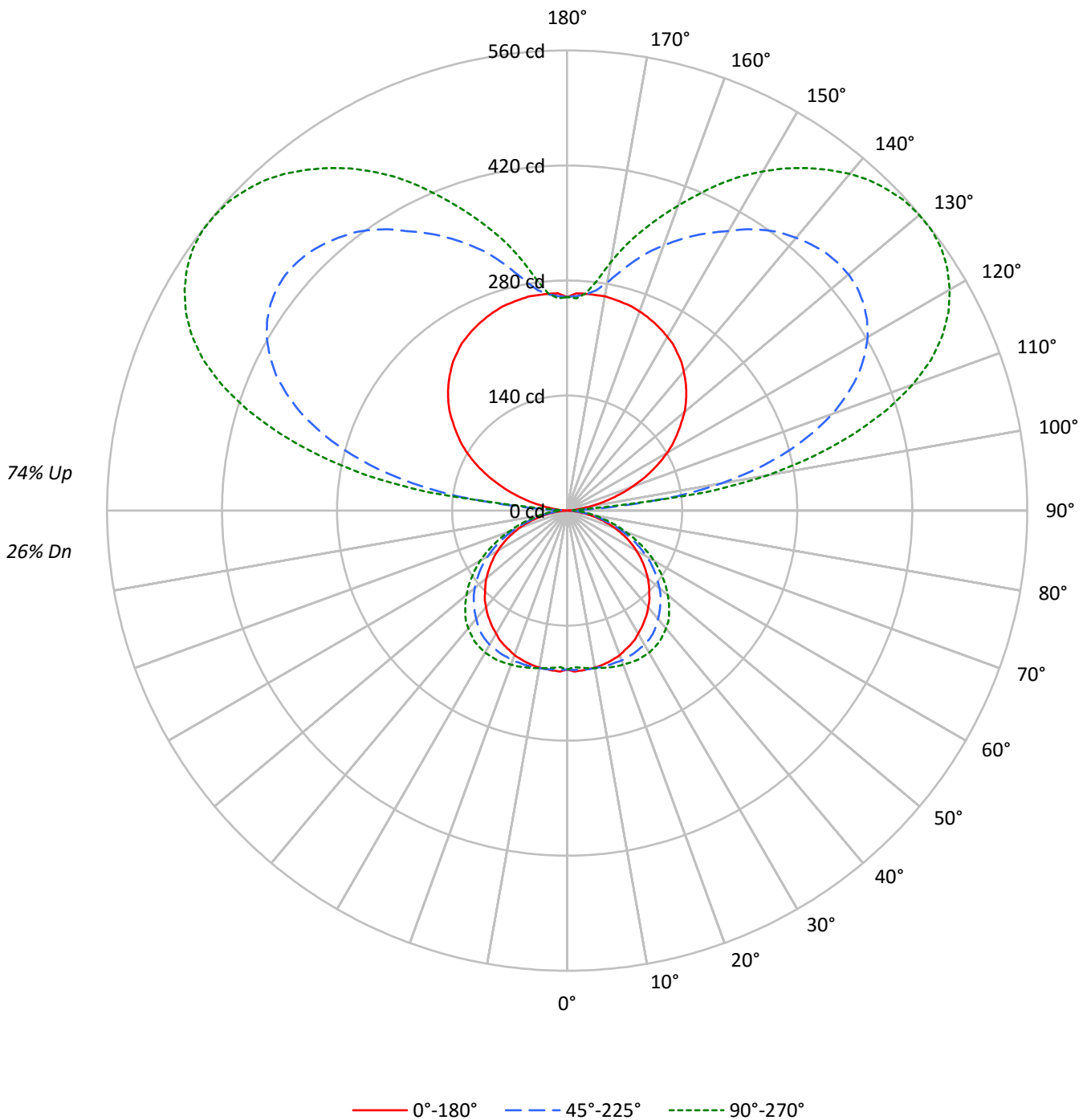
Lumens per Lamp: N/A
Luminaire Lumens: 2548.2 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.52 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

Input Watts (W): 20.7
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



TEST NUMBER: P395360
CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395360

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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°	1063	1063	1063
5°	1074	1047	1029
10°	1075	1038	1026
15°	1076	1034	1032
20°	1078	1035	1041
25°	1076	1036	1054
30°	1070	1038	1062
35°	1068	1032	1063
40°	1064	1010	1050
45°	1054	986	1023
50°	1043	953	978
55°	1022	905	921
60°	997	842	851
65°	956	755	754
70°	888	644	638
75°	766	512	513
80°	594	364	376
85°	348	225	252



TEST NUMBER: P395360

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	0.7
10°-20°	55.0	2.2
20°-30°	88.1	3.5
30°-40°	112.7	4.4
40°-50°	122.9	4.8
50°-60°	115.1	4.5
60°-70°	89.3	3.5
70°-80°	51.2	2.0
80°-90°	16.4	0.6
90°-100°	65.7	2.6
100°-110°	255.5	10.0
110°-120°	347.8	13.6
120°-130°	361.1	14.2
130°-140°	320.3	12.6
140°-150°	248.5	9.8
150°-160°	165.8	6.5
160°-170°	88.4	3.5
170°-180°	25.9	1.0
0°-30°	161.6	6.3
0°-40°	274.3	10.8
0°-60°	512.4	20.1
0°-90°	669.3	26.3
90°-120°	669.0	26.3
90°-150°	1598.8	62.7
90°-180°	1879.0	73.7
0°-180°	2548.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	193	193	193	193	193	
5°	195	193	194	193	192	19
15°	191	191	195	198	198	54
25°	181	182	192	199	201	83
35°	164	167	182	192	195	103
45°	141	147	160	171	176	109
55°	113	119	130	139	142	101
65°	80	84	91	97	99	79
75°	42	44	48	53	54	45
85°	8	10	14	18	19	10
90°	1	2	5	7	8	1
95°	8	47	64	13	12	11
105°	54	164	278	330	361	58
115°	113	253	391	459	504	112
125°	164	298	440	517	556	147
135°	205	314	444	521	552	158
145°	234	314	417	484	509	146
155°	252	297	370	419	438	116
165°	262	273	314	344	352	74
175°	265	263	264	265	265	25
180°	260	260	260	260	260	



TEST NUMBER: P395360

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4
2.5°	196.1	195.4	195.4	194.1	194.1	193.4	193.4	193.4	193.4	193.4	194.1
5°	195.4	195.4	194.7	194.1	194.1	193.4	193.4	193.4	193.4	193.4	194.1
7.5°	194.7	194.7	194.1	193.4	193.4	193.4	193.4	193.4	193.4	193.4	194.7
10°	194.1	194.1	193.4	192.7	192.7	192.7	192.7	193.4	193.4	193.4	194.7
12.5°	192.7	192.0	192.0	191.3	191.3	191.3	192.0	192.0	192.7	193.4	194.7
15°	191.3	191.3	190.6	189.9	190.6	190.6	190.6	191.3	192.0	192.7	194.7
17.5°	189.3	189.3	188.6	188.6	188.6	189.3	189.3	189.9	191.3	192.7	194.1
20°	187.2	186.5	186.5	186.5	187.2	187.2	187.9	189.3	189.9	192.0	194.1
22.5°	183.8	184.5	183.8	183.8	184.5	185.1	185.8	187.2	188.6	190.6	192.7
25°	181.0	181.0	181.0	181.0	182.4	182.4	183.8	185.1	187.2	189.3	192.0
27.5°	177.6	177.6	177.6	178.3	179.0	179.7	180.3	182.4	184.5	187.2	189.9
30°	172.8	172.8	172.8	172.8	174.9	175.5	176.9	179.7	181.7	185.1	188.6
32.5°	168.7	168.7	168.7	169.4	170.7	171.4	172.8	176.2	179.0	182.4	185.8
35°	163.9	163.9	164.6	164.6	166.6	167.3	168.7	171.4	174.2	178.3	182.4
37.5°	159.1	159.1	159.8	160.5	161.8	163.2	164.6	167.3	170.1	173.5	177.6
40°	153.6	153.6	154.3	155.0	157.0	158.4	159.8	162.5	165.3	168.7	172.1
42.5°	148.1	148.1	148.8	149.5	151.5	152.9	154.3	157.7	160.5	163.9	166.6
45°	141.3	141.9	142.6	144.0	146.1	147.4	148.8	151.5	155.0	157.7	160.5
47.5°	135.1	135.8	136.5	137.8	139.9	141.3	142.6	145.4	148.1	150.9	154.3
50°	128.2	128.9	129.6	131.0	133.0	134.4	135.8	138.5	141.3	143.3	146.7
52.5°	120.7	121.4	122.1	123.4	126.2	126.9	128.2	131.0	133.0	135.8	138.5
55°	113.1	113.8	114.5	115.9	117.9	119.3	120.0	122.7	124.8	127.5	130.3
57.5°	105.6	106.3	107.0	108.3	109.7	111.1	111.8	113.8	116.6	118.6	121.4
60°	97.4	98.1	98.7	99.4	101.5	102.2	102.9	104.9	107.0	109.7	111.8
62.5°	89.1	89.1	89.8	90.5	92.6	93.3	93.9	95.3	98.1	99.4	101.5
65°	80.2	80.2	80.9	81.6	83.0	83.7	84.3	85.7	87.8	89.1	91.2
67.5°	70.6	70.6	71.3	72.0	73.4	74.1	74.1	76.1	77.5	78.9	80.2
70°	61.7	61.7	62.4	62.4	63.1	63.8	64.5	65.8	66.5	68.6	69.3
72.5°	52.1	52.1	52.1	52.1	53.5	53.5	54.2	55.5	56.2	57.6	59.0
75°	41.8	41.8	42.5	42.5	43.2	43.9	44.6	45.3	46.6	47.3	48.0
77.5°	32.9	32.2	32.9	33.6	34.3	34.3	35.0	35.7	36.3	37.7	38.4
80°	23.3	23.3	23.3	24.0	24.7	24.7	25.4	26.1	26.7	28.1	28.8
82.5°	15.1	15.1	15.8	15.8	16.5	17.1	17.1	17.8	18.5	19.9	20.6
85°	8.2	8.2	8.2	8.9	9.6	9.6	10.3	11.0	12.3	13.0	14.4
87.5°	2.7	2.7	3.4	4.1	4.8	4.8	5.5	6.2	6.9	8.2	8.9
90°	0.7	0.7	0.7	1.4	1.4	2.1	2.1	2.7	3.4	4.1	4.8
92.5°	2.7	4.8	7.5	11.0	10.3	11.0	7.5	4.8	4.8	4.8	5.5
95°	8.2	12.3	19.9	31.5	41.1	46.6	51.4	56.2	65.8	66.5	63.8
97.5°	16.5	22.6	36.3	51.4	68.6	77.5	84.3	98.7	113.8	123.4	135.1
100°	27.4	36.3	54.2	74.7	94.6	106.3	117.3	137.8	156.3	172.8	190.6
102.5°	40.5	50.7	72.7	98.1	122.7	135.8	147.4	171.4	196.8	218.7	237.9
105°	54.2	65.8	91.9	120.7	148.8	163.9	178.3	204.3	231.1	255.1	277.7
107.5°	69.3	81.6	109.7	141.9	173.5	190.6	206.4	234.5	262.6	288.7	312.7
110°	83.7	97.4	126.9	161.8	197.5	214.6	230.4	261.3	290.7	318.2	343.5



TEST NUMBER: P395360

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	98.7	113.1	142.6	181.0	217.4	235.2	251.7	284.6	315.4	343.5	368.9
115°	113.1	126.9	157.7	197.5	234.5	253.0	270.9	304.5	336.7	364.8	390.9
117.5°	126.9	139.9	171.4	211.2	249.6	268.1	285.9	320.9	353.1	382.6	408.0
120°	140.6	152.2	186.5	222.9	261.9	280.5	299.0	333.9	366.9	396.3	422.4
122.5°	152.9	163.9	197.5	233.1	271.5	290.7	308.6	344.2	377.8	407.3	432.7
125°	163.9	174.2	207.8	241.4	279.8	298.3	316.8	351.8	385.4	414.2	440.2
127.5°	174.9	185.1	215.3	249.6	285.3	304.5	322.3	357.3	390.2	419.7	445.0
130°	186.5	194.1	222.9	257.1	290.7	308.6	327.1	360.7	392.9	421.7	447.1
132.5°	196.1	203.0	230.4	263.3	294.9	312.0	328.5	362.1	394.3	421.7	446.4
135°	205.0	210.5	235.9	268.8	298.3	314.1	329.8	361.4	392.9	420.3	444.3
137.5°	213.3	218.7	240.7	272.9	301.0	314.7	329.8	359.3	389.5	416.9	439.5
140°	220.8	224.9	244.8	275.0	302.4	315.4	328.5	355.9	384.0	410.7	433.4
142.5°	228.3	231.8	248.2	276.3	303.1	315.4	327.8	351.8	377.8	403.9	426.5
145°	233.8	237.3	251.0	277.0	302.4	314.1	325.0	347.7	371.0	395.0	416.9
147.5°	240.0	242.7	253.7	275.7	300.3	311.3	321.6	342.2	363.4	385.4	405.9
150°	244.1	246.9	255.1	274.3	296.9	307.2	317.5	336.7	355.9	375.1	392.9
152.5°	248.2	250.3	257.1	272.2	292.8	302.4	312.0	330.5	348.3	365.5	381.3
155°	251.7	253.7	258.5	270.9	288.0	296.9	305.8	323.7	340.1	355.2	369.6
157.5°	255.1	256.5	259.9	268.8	282.5	290.7	299.0	314.7	329.8	344.9	356.6
160°	257.8	258.5	261.3	268.1	277.7	283.9	291.4	305.8	319.5	332.6	343.5
162.5°	260.6	260.6	262.6	266.7	273.6	277.7	283.2	295.5	307.9	319.5	329.8
165°	261.9	261.9	263.3	266.1	270.2	272.9	276.3	284.6	294.2	304.5	314.1
167.5°	263.3	263.3	264.0	265.4	268.1	269.5	270.9	276.3	282.5	290.1	297.6
170°	264.7	264.0	264.0	265.4	266.1	266.7	267.4	270.2	272.9	277.7	281.8
172.5°	264.7	264.0	264.0	264.7	264.7	264.7	264.7	265.4	266.1	268.8	270.2
175°	264.7	264.0	264.0	264.0	264.0	263.3	263.3	263.3	263.3	263.3	264.0
177.5°	264.7	264.0	263.3	263.3	262.6	262.6	261.9	261.9	261.3	261.3	261.3
180°	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9



TEST NUMBER: P395360

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4	193.4
2.5°	194.1	194.1	193.4	193.4	192.7	192.7	192.0	191.3	190.6	190.6
5°	194.7	194.1	193.4	193.4	193.4	192.7	192.7	192.7	192.0	192.0
7.5°	194.7	194.7	194.7	194.1	194.1	194.1	194.1	194.1	193.4	193.4
10°	195.4	195.4	195.4	195.4	195.4	195.4	195.4	194.7	194.7	194.7
12.5°	195.4	195.4	195.4	196.1	196.1	196.1	196.1	196.1	196.1	196.1
15°	196.1	196.1	196.8	196.8	197.5	197.5	198.2	198.2	198.2	197.5
17.5°	195.4	196.1	196.8	197.5	198.2	198.2	198.9	198.9	198.9	198.9
20°	195.4	196.8	197.5	198.2	198.9	198.9	199.5	200.2	200.2	199.5
22.5°	194.7	196.1	196.8	198.2	198.9	198.9	200.2	200.2	200.2	200.2
25°	194.1	195.4	196.8	198.2	198.9	198.9	200.2	200.2	200.9	200.9
27.5°	192.7	194.1	196.1	197.5	198.2	198.9	199.5	200.2	200.2	200.2
30°	190.6	192.7	194.7	196.1	196.8	197.5	198.2	198.9	199.5	199.5
32.5°	187.9	189.9	192.0	194.1	194.7	195.4	196.8	197.5	197.5	197.5
35°	185.1	187.2	189.3	191.3	192.0	192.7	194.1	194.7	195.4	195.4
37.5°	181.0	183.1	185.1	187.2	187.9	189.3	190.6	191.3	191.3	191.3
40°	174.9	178.3	181.0	183.1	183.8	185.1	185.8	187.2	187.2	187.2
42.5°	169.4	172.1	174.2	176.9	177.6	179.7	181.0	181.7	182.4	182.4
45°	163.2	165.9	168.0	170.1	170.7	172.1	173.5	174.2	174.9	175.5
47.5°	157.0	159.1	161.1	163.2	163.9	165.3	166.6	167.3	168.0	168.0
50°	149.5	151.5	153.6	155.7	156.3	157.7	158.4	159.1	159.8	159.8
52.5°	141.3	143.3	145.4	147.4	148.1	148.8	150.2	150.9	151.5	151.5
55°	133.0	135.1	136.5	138.5	139.2	139.9	140.6	141.9	142.6	141.9
57.5°	123.4	125.5	126.9	128.9	129.6	130.3	131.0	131.7	132.3	132.3
60°	113.1	115.2	117.3	118.6	119.3	120.0	120.7	121.4	122.1	122.1
62.5°	102.9	104.9	106.3	108.3	109.0	109.0	109.7	110.4	111.1	111.1
65°	92.6	94.6	95.3	97.4	97.4	98.1	98.7	99.4	99.4	99.4
67.5°	81.6	83.7	84.3	85.7	85.7	86.4	87.1	87.8	87.8	87.8
70°	71.3	72.0	73.4	74.1	74.7	74.7	75.4	76.1	76.8	76.1
72.5°	60.3	61.0	62.4	63.1	63.1	63.8	63.8	64.5	65.1	65.1
75°	49.4	50.7	51.4	52.1	52.8	52.8	53.5	54.2	54.2	54.2
77.5°	39.1	40.5	41.1	41.8	42.5	42.5	43.2	43.2	43.9	43.2
80°	30.2	30.9	31.5	32.2	32.9	32.9	33.6	34.3	34.3	34.3
82.5°	21.9	22.6	24.0	24.7	24.7	24.7	26.1	26.1	26.7	26.1
85°	15.1	15.8	17.1	17.8	18.5	18.5	18.5	19.2	19.9	19.2
87.5°	9.6	11.0	11.7	12.3	12.3	12.3	13.0	13.7	13.7	13.7
90°	5.5	5.5	6.2	6.9	6.9	7.5	7.5	8.2	8.2	8.2
92.5°	5.5	6.2	6.2	6.2	6.9	6.9	6.9	7.5	7.5	7.5
95°	46.6	33.6	19.2	15.1	13.0	13.0	12.3	13.0	12.3	12.3
97.5°	141.3	152.9	158.4	165.9	170.1	169.4	166.6	169.4	167.3	169.4
100°	200.9	211.9	220.1	222.2	226.3	228.3	235.9	241.4	244.1	247.5
102.5°	249.6	262.6	272.2	277.7	281.8	284.6	293.5	301.7	305.8	308.6
105°	294.2	307.9	319.5	325.0	329.8	332.6	342.2	351.8	357.9	361.4
107.5°	329.8	345.6	357.9	366.2	371.0	375.8	387.4	397.0	404.6	408.0
110°	362.1	377.8	390.9	400.5	405.9	410.7	423.8	434.7	443.0	447.1



TEST NUMBER: P395360

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	388.8	405.9	419.0	429.3	434.7	441.6	453.9	466.3	474.5	479.3
115°	410.7	428.6	442.3	453.3	459.4	465.6	480.0	492.3	500.6	504.0
117.5°	429.3	447.1	461.5	472.5	479.3	486.2	500.6	511.5	520.5	523.2
120°	444.3	462.2	476.6	488.9	495.8	501.9	515.7	527.3	535.5	537.6
122.5°	454.6	473.1	488.2	501.9	508.1	514.3	527.3	539.0	546.5	548.6
125°	462.2	481.4	496.5	510.9	517.0	523.2	535.5	547.2	553.4	556.1
127.5°	467.0	486.2	502.6	516.3	523.2	528.7	541.0	551.3	557.5	559.5
130°	468.3	488.2	504.7	519.1	525.3	530.7	542.4	552.7	558.2	559.5
132.5°	468.3	487.5	504.7	518.4	524.6	530.1	541.0	550.6	556.1	557.5
135°	465.6	484.1	501.3	515.0	521.1	526.6	537.6	545.8	551.3	552.0
137.5°	460.8	478.6	495.1	508.8	515.0	520.5	530.1	539.0	543.8	545.1
140°	454.6	471.1	487.5	500.6	506.7	511.5	521.1	528.7	533.5	534.9
142.5°	446.4	462.9	477.9	491.0	495.8	501.3	509.5	517.0	521.1	522.5
145°	437.5	453.3	467.0	478.6	484.1	488.9	496.5	503.3	507.4	508.8
147.5°	425.8	441.6	454.6	465.6	470.4	475.2	482.1	488.2	492.3	493.7
150°	411.4	425.8	439.5	449.8	454.6	459.4	466.3	471.8	475.9	476.6
152.5°	397.0	410.7	422.4	432.7	437.5	442.3	448.5	453.9	458.7	458.7
155°	383.3	395.0	405.9	414.9	419.0	423.1	429.3	434.1	438.2	438.2
157.5°	368.9	379.9	388.8	397.0	400.5	403.9	409.4	413.5	416.9	416.2
160°	355.2	363.4	371.7	378.5	381.9	384.7	388.8	392.2	395.7	395.0
162.5°	340.1	347.7	354.5	359.3	362.1	364.1	368.2	371.7	373.7	373.7
165°	323.0	329.8	336.0	340.8	343.5	344.9	348.3	350.4	352.5	352.5
167.5°	305.1	310.6	316.1	320.2	323.0	324.3	327.8	329.1	331.9	331.2
170°	287.3	291.4	295.5	299.0	300.3	301.7	304.5	305.8	307.2	307.2
172.5°	272.9	274.3	276.3	279.1	279.1	279.8	281.1	281.8	282.5	282.5
175°	264.7	265.4	265.4	265.4	265.4	265.4	266.1	265.4	266.1	265.4
177.5°	261.3	261.3	260.6	260.6	259.9	260.6	259.9	259.2	259.2	258.5
180°	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9	259.9

(END OF REPORT)