

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: P395361

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395361
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 (3000K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2620.4 lumens
Efficiency: N/A
Efficacy: 127.2 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

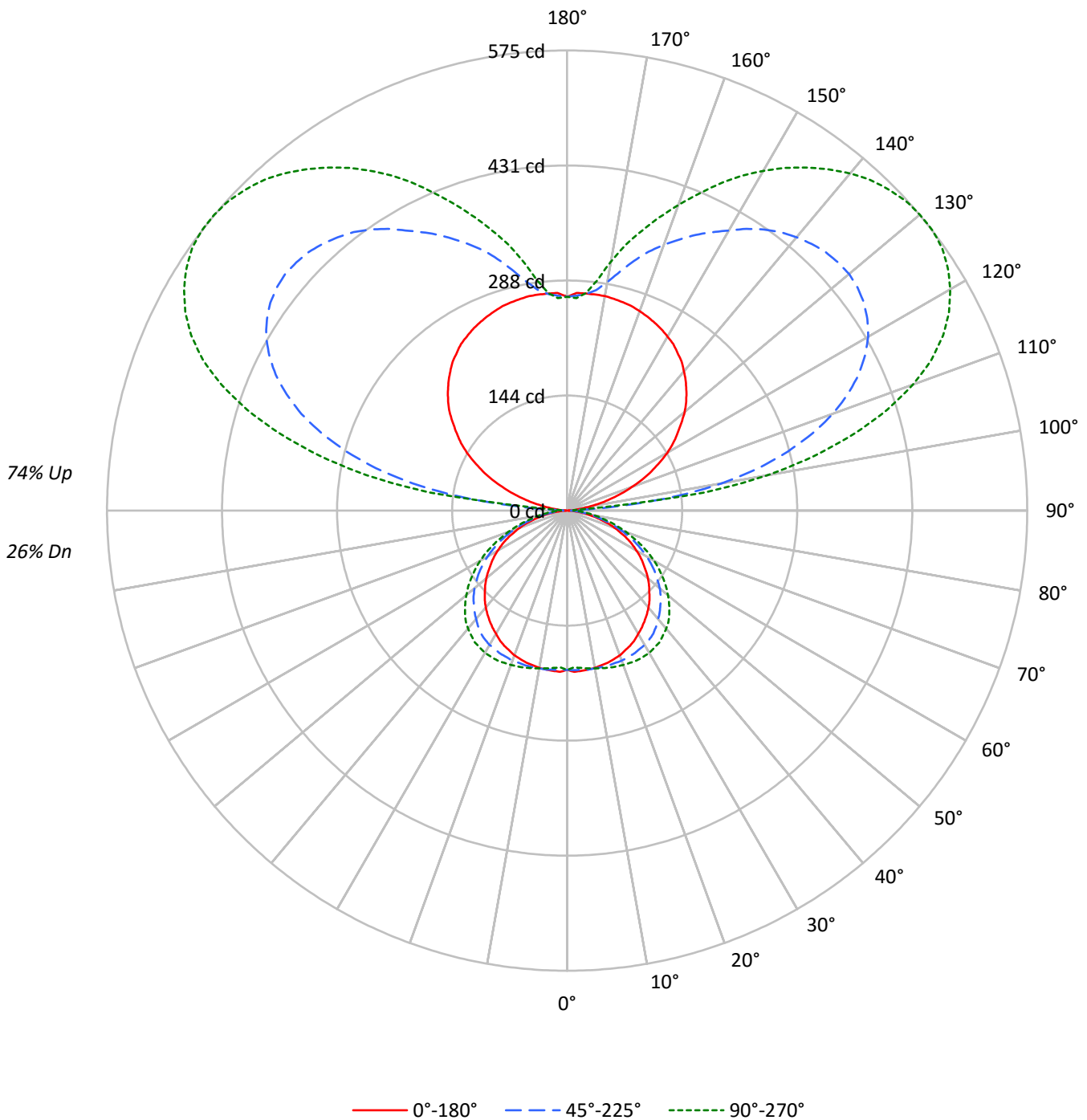
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1093	1093	1093
5°	1105	1076	1058
10°	1106	1068	1056
15°	1107	1064	1061
20°	1109	1065	1070
25°	1107	1065	1084
30°	1101	1067	1092
35°	1098	1061	1093
40°	1095	1038	1079
45°	1083	1013	1052
50°	1073	980	1005
55°	1051	931	948
60°	1025	865	875
65°	983	777	775
70°	914	661	657
75°	788	527	527
80°	612	374	387
85°	361	231	258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.7
10°-20°	56.5	2.2
20°-30°	90.6	3.5
30°-40°	115.9	4.4
40°-50°	126.4	4.8
50°-60°	118.4	4.5
60°-70°	91.9	3.5
70°-80°	52.7	2.0
80°-90°	16.8	0.6
90°-100°	67.6	2.6
100°-110°	262.7	10.0
110°-120°	357.7	13.6
120°-130°	371.3	14.2
130°-140°	329.3	12.6
140°-150°	255.5	9.8
150°-160°	170.5	6.5
160°-170°	90.9	3.5
170°-180°	26.6	1.0
0°-30°	166.2	6.3
0°-40°	282.1	10.8
0°-60°	526.9	20.1
0°-90°	688.2	26.3
90°-120°	688.0	26.3
90°-150°	1644.2	62.7
90°-180°	1932.0	73.7
0°-180°	2620.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	199	199	199	199	199	
5°	201	199	200	199	197	19
15°	197	196	200	203	203	56
25°	186	188	197	204	207	86
35°	168	172	188	197	201	106
45°	145	152	165	176	180	112
55°	116	123	134	143	146	104
65°	82	86	94	100	102	81
75°	43	45	49	54	56	46
85°	8	10	15	19	20	10
90°	1	2	5	7	8	1
95°	8	48	66	13	13	11
105°	56	168	286	339	372	59
115°	116	260	402	472	518	115
125°	168	307	453	532	572	151
135°	211	323	457	536	568	163
145°	240	323	429	498	523	151
155°	259	305	380	431	451	120
165°	269	281	323	353	362	76
175°	272	271	272	273	273	26
180°	267	267	267	267	267	



TEST NUMBER: P395361

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9
2.5°	201.7	201.0	201.0	199.6	199.6	198.9	198.9	198.9	198.9	198.9	199.6
5°	201.0	201.0	200.3	199.6	199.6	198.9	198.9	198.9	198.9	198.9	199.6
7.5°	200.3	200.3	199.6	198.9	198.9	198.9	198.9	198.9	198.9	198.9	200.3
10°	199.6	199.6	198.9	198.1	198.1	198.1	198.1	198.9	198.9	198.9	200.3
12.5°	198.1	197.4	197.4	196.7	196.7	196.7	197.4	197.4	198.1	198.9	200.3
15°	196.7	196.7	196.0	195.3	196.0	196.0	196.0	196.7	197.4	198.1	200.3
17.5°	194.6	194.6	193.9	193.9	193.9	194.6	194.6	195.3	196.7	198.1	199.6
20°	192.5	191.8	191.8	191.8	192.5	192.5	193.2	194.6	195.3	197.4	199.6
22.5°	189.0	189.7	189.0	189.0	189.7	190.4	191.1	192.5	193.9	196.0	198.1
25°	186.2	186.2	186.2	186.2	187.6	187.6	189.0	190.4	192.5	194.6	197.4
27.5°	182.6	182.6	182.6	183.3	184.0	184.7	185.5	187.6	189.7	192.5	195.3
30°	177.7	177.7	177.7	177.7	179.8	180.5	181.9	184.7	186.9	190.4	193.9
32.5°	173.5	173.5	173.5	174.2	175.6	176.3	177.7	181.2	184.0	187.6	191.1
35°	168.5	168.5	169.2	169.2	171.3	172.1	173.5	176.3	179.1	183.3	187.6
37.5°	163.6	163.6	164.3	165.0	166.4	167.8	169.2	172.1	174.9	178.4	182.6
40°	158.0	158.0	158.7	159.4	161.5	162.9	164.3	167.1	169.9	173.5	177.0
42.5°	152.3	152.3	153.0	153.7	155.8	157.2	158.7	162.2	165.0	168.5	171.3
45°	145.3	146.0	146.7	148.1	150.2	151.6	153.0	155.8	159.4	162.2	165.0
47.5°	138.9	139.6	140.3	141.7	143.8	145.3	146.7	149.5	152.3	155.1	158.7
50°	131.9	132.6	133.3	134.7	136.8	138.2	139.6	142.4	145.3	147.4	150.9
52.5°	124.1	124.8	125.5	126.9	129.7	130.5	131.9	134.7	136.8	139.6	142.4
55°	116.3	117.1	117.8	119.2	121.3	122.7	123.4	126.2	128.3	131.2	134.0
57.5°	108.6	109.3	110.0	111.4	112.8	114.2	114.9	117.1	119.9	122.0	124.8
60°	100.1	100.8	101.5	102.2	104.4	105.1	105.8	107.9	110.0	112.8	114.9
62.5°	91.7	91.7	92.4	93.1	95.2	95.9	96.6	98.0	100.8	102.2	104.4
65°	82.5	82.5	83.2	83.9	85.3	86.0	86.7	88.1	90.3	91.7	93.8
67.5°	72.6	72.6	73.3	74.0	75.5	76.2	76.2	78.3	79.7	81.1	82.5
70°	63.5	63.5	64.2	64.2	64.9	65.6	66.3	67.7	68.4	70.5	71.2
72.5°	53.6	53.6	53.6	53.6	55.0	55.0	55.7	57.1	57.8	59.2	60.6
75°	43.0	43.0	43.7	43.7	44.4	45.1	45.8	46.5	47.9	48.7	49.4
77.5°	33.8	33.1	33.8	34.6	35.3	35.3	36.0	36.7	37.4	38.8	39.5
80°	24.0	24.0	24.0	24.7	25.4	25.4	26.1	26.8	27.5	28.9	29.6
82.5°	15.5	15.5	16.2	16.2	16.9	17.6	17.6	18.3	19.0	20.4	21.2
85°	8.5	8.5	8.5	9.2	9.9	9.9	10.6	11.3	12.7	13.4	14.8
87.5°	2.8	2.8	3.5	4.2	4.9	4.9	5.6	6.3	7.1	8.5	9.2
90°	0.7	0.7	0.7	1.4	1.4	2.1	2.1	2.8	3.5	4.2	4.9
92.5°	2.8	4.9	7.8	11.3	10.6	11.3	7.8	4.9	4.9	4.9	5.6
95°	8.5	12.7	20.4	32.4	42.3	47.9	52.9	57.8	67.7	68.4	65.6
97.5°	16.9	23.3	37.4	52.9	70.5	79.7	86.7	101.5	117.1	126.9	138.9
100°	28.2	37.4	55.7	76.9	97.3	109.3	120.6	141.7	160.8	177.7	196.0
102.5°	41.6	52.2	74.7	100.8	126.2	139.6	151.6	176.3	202.4	224.9	244.7
105°	55.7	67.7	94.5	124.1	153.0	168.5	183.3	210.1	237.6	262.3	285.6
107.5°	71.2	83.9	112.8	146.0	178.4	196.0	212.2	241.2	270.1	296.9	321.5
110°	86.0	100.1	130.5	166.4	203.1	220.7	236.9	268.7	299.0	327.2	353.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	101.5	116.3	146.7	186.2	223.5	241.9	258.8	292.6	324.4	353.3	379.4
115°	116.3	130.5	162.2	203.1	241.2	260.2	278.5	313.1	346.2	375.1	401.9
117.5°	130.5	143.8	176.3	217.2	256.7	275.7	294.0	330.0	363.1	393.5	419.6
120°	144.6	156.5	191.8	229.2	269.4	288.4	307.4	343.4	377.3	407.6	434.4
122.5°	157.2	168.5	203.1	239.7	279.2	299.0	317.3	354.0	388.5	418.9	444.9
125°	168.5	179.1	213.7	248.2	287.7	306.7	325.8	361.7	396.3	425.9	452.7
127.5°	179.8	190.4	221.4	256.7	293.3	313.1	331.4	367.4	401.2	431.5	457.6
130°	191.8	199.6	229.2	264.4	299.0	317.3	336.4	370.9	404.0	433.7	459.8
132.5°	201.7	208.7	236.9	270.8	303.2	320.8	337.8	372.3	405.5	433.7	459.0
135°	210.8	216.5	242.6	276.4	306.7	323.0	339.2	371.6	404.0	432.3	456.9
137.5°	219.3	224.9	247.5	280.6	309.6	323.7	339.2	369.5	400.5	428.7	452.0
140°	227.1	231.3	251.7	282.8	311.0	324.4	337.8	366.0	394.9	422.4	445.7
142.5°	234.8	238.3	255.3	284.2	311.7	324.4	337.1	361.7	388.5	415.3	438.6
145°	240.5	244.0	258.1	284.9	311.0	323.0	334.2	357.5	381.5	406.2	428.7
147.5°	246.8	249.6	260.9	283.5	308.9	320.1	330.7	351.9	373.7	396.3	417.4
150°	251.0	253.9	262.3	282.1	305.3	315.9	326.5	346.2	366.0	385.7	404.0
152.5°	255.3	257.4	264.4	279.9	301.1	311.0	320.8	339.9	358.2	375.8	392.1
155°	258.8	260.9	265.8	278.5	296.2	305.3	314.5	332.8	349.8	365.3	380.1
157.5°	262.3	263.7	267.2	276.4	290.5	299.0	307.4	323.7	339.2	354.7	366.7
160°	265.1	265.8	268.7	275.7	285.6	291.9	299.7	314.5	328.6	342.0	353.3
162.5°	268.0	268.0	270.1	274.3	281.4	285.6	291.2	303.9	316.6	328.6	339.2
165°	269.4	269.4	270.8	273.6	277.8	280.6	284.2	292.6	302.5	313.1	323.0
167.5°	270.8	270.8	271.5	272.9	275.7	277.1	278.5	284.2	290.5	298.3	306.0
170°	272.2	271.5	271.5	272.9	273.6	274.3	275.0	277.8	280.6	285.6	289.8
172.5°	272.2	271.5	271.5	272.2	272.2	272.2	272.2	272.9	273.6	276.4	277.8
175°	272.2	271.5	271.5	271.5	271.5	270.8	270.8	270.8	270.8	270.8	271.5
177.5°	272.2	271.5	270.8	270.8	270.1	270.1	269.4	269.4	268.7	268.7	268.7
180°	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9	198.9
2.5°	199.6	199.6	198.9	198.9	198.1	198.1	197.4	196.7	196.0	196.0
5°	200.3	199.6	198.9	198.9	198.9	198.1	198.1	198.1	197.4	197.4
7.5°	200.3	200.3	200.3	199.6	199.6	199.6	199.6	199.6	198.9	198.9
10°	201.0	201.0	201.0	201.0	201.0	201.0	201.0	200.3	200.3	200.3
12.5°	201.0	201.0	201.0	201.7	201.7	201.7	201.7	201.7	201.7	201.7
15°	201.7	201.7	202.4	202.4	203.1	203.1	203.8	203.8	203.8	203.1
17.5°	201.0	201.7	202.4	203.1	203.8	203.8	204.5	204.5	204.5	204.5
20°	201.0	202.4	203.1	203.8	204.5	204.5	205.2	205.9	205.9	205.2
22.5°	200.3	201.7	202.4	203.8	204.5	204.5	205.9	205.9	205.9	205.9
25°	199.6	201.0	202.4	203.8	204.5	204.5	205.9	205.9	206.6	206.6
27.5°	198.1	199.6	201.7	203.1	203.8	204.5	205.2	205.9	205.9	205.9
30°	196.0	198.1	200.3	201.7	202.4	203.1	203.8	204.5	205.2	205.2
32.5°	193.2	195.3	197.4	199.6	200.3	201.0	202.4	203.1	203.1	203.1
35°	190.4	192.5	194.6	196.7	197.4	198.1	199.6	200.3	201.0	201.0
37.5°	186.2	188.3	190.4	192.5	193.2	194.6	196.0	196.7	196.7	196.7
40°	179.8	183.3	186.2	188.3	189.0	190.4	191.1	192.5	192.5	192.5
42.5°	174.2	177.0	179.1	181.9	182.6	184.7	186.2	186.9	187.6	187.6
45°	167.8	170.6	172.8	174.9	175.6	177.0	178.4	179.1	179.8	180.5
47.5°	161.5	163.6	165.7	167.8	168.5	169.9	171.3	172.1	172.8	172.8
50°	153.7	155.8	158.0	160.1	160.8	162.2	162.9	163.6	164.3	164.3
52.5°	145.3	147.4	149.5	151.6	152.3	153.0	154.4	155.1	155.8	155.8
55°	136.8	138.9	140.3	142.4	143.1	143.8	144.6	146.0	146.7	146.0
57.5°	126.9	129.0	130.5	132.6	133.3	134.0	134.7	135.4	136.1	136.1
60°	116.3	118.5	120.6	122.0	122.7	123.4	124.1	124.8	125.5	125.5
62.5°	105.8	107.9	109.3	111.4	112.1	112.1	112.8	113.5	114.2	114.2
65°	95.2	97.3	98.0	100.1	100.1	100.8	101.5	102.2	102.2	102.2
67.5°	83.9	86.0	86.7	88.1	88.1	88.8	89.6	90.3	90.3	90.3
70°	73.3	74.0	75.5	76.2	76.9	76.9	77.6	78.3	79.0	78.3
72.5°	62.1	62.8	64.2	64.9	64.9	65.6	65.6	66.3	67.0	67.0
75°	50.8	52.2	52.9	53.6	54.3	54.3	55.0	55.7	55.7	55.7
77.5°	40.2	41.6	42.3	43.0	43.7	43.7	44.4	44.4	45.1	44.4
80°	31.0	31.7	32.4	33.1	33.8	33.8	34.6	35.3	35.3	35.3
82.5°	22.6	23.3	24.7	25.4	25.4	25.4	26.8	26.8	27.5	26.8
85°	15.5	16.2	17.6	18.3	19.0	19.0	19.0	19.7	20.4	19.7
87.5°	9.9	11.3	12.0	12.7	12.7	12.7	13.4	14.1	14.1	14.1
90°	5.6	5.6	6.3	7.1	7.1	7.8	7.8	8.5	8.5	8.5
92.5°	5.6	6.3	6.3	6.3	7.1	7.1	7.1	7.8	7.8	7.8
95°	47.9	34.6	19.7	15.5	13.4	13.4	12.7	13.4	12.7	12.7
97.5°	145.3	157.2	162.9	170.6	174.9	174.2	171.3	174.2	172.1	174.2
100°	206.6	217.9	226.4	228.5	232.7	234.8	242.6	248.2	251.0	254.6
102.5°	256.7	270.1	279.9	285.6	289.8	292.6	301.8	310.3	314.5	317.3
105°	302.5	316.6	328.6	334.2	339.2	342.0	351.9	361.7	368.1	371.6
107.5°	339.2	355.4	368.1	376.5	381.5	386.4	398.4	408.3	416.0	419.6
110°	372.3	388.5	401.9	411.8	417.4	422.4	435.8	447.1	455.5	459.8



TEST NUMBER: P395361

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	399.8	417.4	430.8	441.4	447.1	454.1	466.8	479.5	488.0	492.9
115°	422.4	440.7	454.8	466.1	472.4	478.8	493.6	506.3	514.8	518.3
117.5°	441.4	459.8	474.6	485.8	492.9	499.9	514.8	526.0	535.2	538.0
120°	456.9	475.3	490.1	502.8	509.8	516.2	530.3	542.3	550.7	552.8
122.5°	467.5	486.5	502.1	516.2	522.5	528.9	542.3	554.2	562.0	564.1
125°	475.3	495.0	510.5	525.3	531.7	538.0	550.7	562.7	569.0	571.9
127.5°	480.2	499.9	516.9	531.0	538.0	543.7	556.4	566.9	573.3	575.4
130°	481.6	502.1	519.0	533.8	540.1	545.8	557.8	568.3	574.0	575.4
132.5°	481.6	501.4	519.0	533.1	539.4	545.1	556.4	566.2	571.9	573.3
135°	478.8	497.8	515.5	529.6	535.9	541.5	552.8	561.3	566.9	567.6
137.5°	473.9	492.2	509.1	523.2	529.6	535.2	545.1	554.2	559.2	560.6
140°	467.5	484.4	501.4	514.8	521.1	526.0	535.9	543.7	548.6	550.0
142.5°	459.0	476.0	491.5	504.9	509.8	515.5	523.9	531.7	535.9	537.3
145°	449.9	466.1	480.2	492.2	497.8	502.8	510.5	517.6	521.8	523.2
147.5°	437.9	454.1	467.5	478.8	483.7	488.7	495.7	502.1	506.3	507.7
150°	423.1	437.9	452.0	462.6	467.5	472.4	479.5	485.1	489.4	490.1
152.5°	408.3	422.4	434.4	444.9	449.9	454.8	461.2	466.8	471.7	471.7
155°	394.2	406.2	417.4	426.6	430.8	435.1	441.4	446.4	450.6	450.6
157.5°	379.4	390.6	399.8	408.3	411.8	415.3	421.0	425.2	428.7	428.0
160°	365.3	373.7	382.2	389.2	392.8	395.6	399.8	403.3	406.9	406.2
162.5°	349.8	357.5	364.6	369.5	372.3	374.4	378.7	382.2	384.3	384.3
165°	332.1	339.2	345.5	350.5	353.3	354.7	358.2	360.3	362.4	362.4
167.5°	313.8	319.4	325.1	329.3	332.1	333.5	337.1	338.5	341.3	340.6
170°	295.5	299.7	303.9	307.4	308.9	310.3	313.1	314.5	315.9	315.9
172.5°	280.6	282.1	284.2	287.0	287.0	287.7	289.1	289.8	290.5	290.5
175°	272.2	272.9	272.9	272.9	272.9	272.9	273.6	272.9	273.6	272.9
177.5°	268.7	268.7	268.0	268.0	267.2	268.0	267.2	266.5	266.5	265.8
180°	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2	267.2

(END OF REPORT)