

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: P395363

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395363
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 (4000K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2770.3 lumens
Efficiency: N/A
Efficacy: 132.6 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

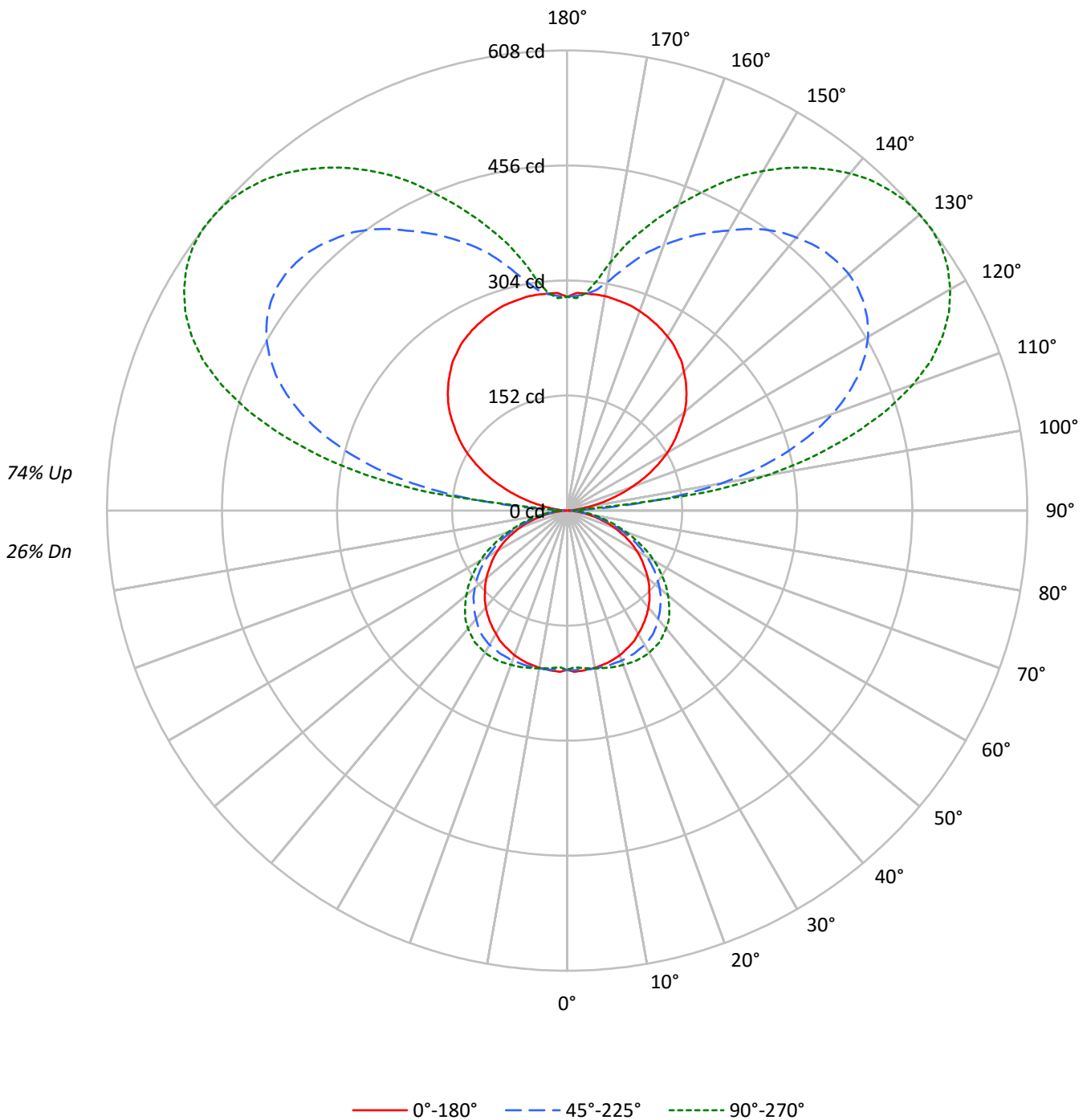
Input Watts (W): 20.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395363

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395363

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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	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°	1155	1155	1155
5°	1168	1138	1119
10°	1169	1129	1116
15°	1170	1125	1122
20°	1172	1125	1131
25°	1170	1126	1146
30°	1164	1128	1154
35°	1161	1122	1156
40°	1157	1098	1141
45°	1145	1071	1112
50°	1134	1036	1063
55°	1111	984	1002
60°	1084	915	925
65°	1039	821	820
70°	965	699	694
75°	834	557	557
80°	645	395	408
85°	378	245	274



TEST NUMBER: P395363

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.1	0.7
10°-20°	59.8	2.2
20°-30°	95.8	3.5
30°-40°	122.5	4.4
40°-50°	133.6	4.8
50°-60°	125.2	4.5
60°-70°	97.1	3.5
70°-80°	55.7	2.0
80°-90°	17.8	0.6
90°-100°	71.4	2.6
100°-110°	277.8	10.0
110°-120°	378.1	13.6
120°-130°	392.5	14.2
130°-140°	348.2	12.6
140°-150°	270.2	9.8
150°-160°	180.3	6.5
160°-170°	96.1	3.5
170°-180°	28.1	1.0
0°-30°	175.7	6.3
0°-40°	298.2	10.8
0°-60°	557.0	20.1
0°-90°	727.6	26.3
90°-120°	727.3	26.3
90°-150°	1738.2	62.7
90°-180°	2043.0	73.7
0°-180°	2770.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	210	210	210	210	210	
5°	212	210	211	210	209	20
15°	208	207	212	215	215	59
25°	197	198	209	216	218	91
35°	178	182	198	209	212	112
45°	154	160	174	186	191	119
55°	123	130	142	151	154	110
65°	87	91	99	106	108	86
75°	46	48	52	57	59	49
85°	9	10	16	20	21	11
90°	1	2	5	8	9	1
95°	9	51	69	14	13	12
105°	59	178	302	359	393	63
115°	123	275	425	500	548	121
125°	178	324	479	562	605	159
135°	223	341	483	567	600	172
145°	254	341	453	526	553	159
155°	274	323	402	456	476	126
165°	285	297	341	374	383	81
175°	288	286	287	288	288	27
180°	282	282	282	282	282	



TEST NUMBER: P395363

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2
2.5°	213.2	212.5	212.5	211.0	211.0	210.2	210.2	210.2	210.2	210.2	211.0
5°	212.5	212.5	211.7	211.0	211.0	210.2	210.2	210.2	210.2	210.2	211.0
7.5°	211.7	211.7	211.0	210.2	210.2	210.2	210.2	210.2	210.2	210.2	211.7
10°	211.0	211.0	210.2	209.5	209.5	209.5	209.5	210.2	210.2	210.2	211.7
12.5°	209.5	208.7	208.7	208.0	208.0	208.0	208.7	208.7	209.5	210.2	211.7
15°	208.0	208.0	207.2	206.5	207.2	207.2	207.2	208.0	208.7	209.5	211.7
17.5°	205.8	205.8	205.0	205.0	205.0	205.8	205.8	206.5	208.0	209.5	211.0
20°	203.5	202.8	202.8	202.8	203.5	203.5	204.3	205.8	206.5	208.7	211.0
22.5°	199.8	200.5	199.8	199.8	200.5	201.3	202.0	203.5	205.0	207.2	209.5
25°	196.8	196.8	196.8	196.8	198.3	198.3	199.8	201.3	203.5	205.8	208.7
27.5°	193.1	193.1	193.1	193.8	194.6	195.3	196.1	198.3	200.5	203.5	206.5
30°	187.9	187.9	187.9	187.9	190.1	190.8	192.3	195.3	197.6	201.3	205.0
32.5°	183.4	183.4	183.4	184.1	185.6	186.4	187.9	191.6	194.6	198.3	202.0
35°	178.2	178.2	178.9	178.9	181.2	181.9	183.4	186.4	189.4	193.8	198.3
37.5°	173.0	173.0	173.7	174.4	175.9	177.4	178.9	181.9	184.9	188.6	193.1
40°	167.0	167.0	167.7	168.5	170.7	172.2	173.7	176.7	179.7	183.4	187.1
42.5°	161.0	161.0	161.8	162.5	164.8	166.2	167.7	171.5	174.4	178.2	181.2
45°	153.6	154.3	155.1	156.6	158.8	160.3	161.8	164.8	168.5	171.5	174.4
47.5°	146.9	147.6	148.4	149.8	152.1	153.6	155.1	158.0	161.0	164.0	167.7
50°	139.4	140.2	140.9	142.4	144.6	146.1	147.6	150.6	153.6	155.8	159.5
52.5°	131.2	131.9	132.7	134.2	137.2	137.9	139.4	142.4	144.6	147.6	150.6
55°	123.0	123.7	124.5	126.0	128.2	129.7	130.5	133.4	135.7	138.7	141.6
57.5°	114.8	115.5	116.3	117.8	119.3	120.8	121.5	123.7	126.7	129.0	131.9
60°	105.9	106.6	107.3	108.1	110.3	111.1	111.8	114.1	116.3	119.3	121.5
62.5°	96.9	96.9	97.7	98.4	100.6	101.4	102.1	103.6	106.6	108.1	110.3
65°	87.2	87.2	88.0	88.7	90.2	90.9	91.7	93.2	95.4	96.9	99.1
67.5°	76.8	76.8	77.5	78.3	79.8	80.5	80.5	82.7	84.2	85.7	87.2
70°	67.1	67.1	67.8	67.8	68.6	69.3	70.1	71.6	72.3	74.5	75.3
72.5°	56.7	56.7	56.7	56.7	58.1	58.1	58.9	60.4	61.1	62.6	64.1
75°	45.5	45.5	46.2	46.2	47.0	47.7	48.5	49.2	50.7	51.4	52.2
77.5°	35.8	35.0	35.8	36.5	37.3	37.3	38.0	38.8	39.5	41.0	41.7
80°	25.3	25.3	25.3	26.1	26.8	26.8	27.6	28.3	29.1	30.6	31.3
82.5°	16.4	16.4	17.1	17.1	17.9	18.6	18.6	19.4	20.1	21.6	22.4
85°	8.9	8.9	8.9	9.7	10.4	10.4	11.2	11.9	13.4	14.2	15.7
87.5°	3.0	3.0	3.7	4.5	5.2	5.2	6.0	6.7	7.5	8.9	9.7
90°	0.7	0.7	0.7	1.5	1.5	2.2	2.2	3.0	3.7	4.5	5.2
92.5°	3.0	5.2	8.2	11.9	11.2	11.9	8.2	5.2	5.2	5.2	6.0
95°	8.9	13.4	21.6	34.3	44.7	50.7	55.9	61.1	71.6	72.3	69.3
97.5°	17.9	24.6	39.5	55.9	74.5	84.2	91.7	107.3	123.7	134.2	146.9
100°	29.8	39.5	58.9	81.3	102.9	115.5	127.5	149.8	170.0	187.9	207.2
102.5°	44.0	55.2	79.0	106.6	133.4	147.6	160.3	186.4	214.0	237.8	258.7
105°	58.9	71.6	99.9	131.2	161.8	178.2	193.8	222.2	251.2	277.3	301.9
107.5°	75.3	88.7	119.3	154.3	188.6	207.2	224.4	255.0	285.5	313.8	339.9
110°	90.9	105.9	137.9	175.9	214.7	233.3	250.5	284.0	316.1	345.9	373.5



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CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	107.3	123.0	155.1	196.8	236.3	255.7	273.6	309.4	342.9	373.5	401.1
115°	123.0	137.9	171.5	214.7	255.0	275.1	294.5	331.0	366.0	396.6	424.9
117.5°	137.9	152.1	186.4	229.6	271.4	291.5	310.9	348.9	383.9	416.0	443.6
120°	152.8	165.5	202.8	242.3	284.8	304.9	325.0	363.0	398.8	430.9	459.2
122.5°	166.2	178.2	214.7	253.5	295.2	316.1	335.5	374.2	410.8	442.8	470.4
125°	178.2	189.4	225.9	262.4	304.2	324.3	344.4	382.4	419.0	450.3	478.6
127.5°	190.1	201.3	234.1	271.4	310.1	331.0	350.4	388.4	424.2	456.2	483.8
130°	202.8	211.0	242.3	279.6	316.1	335.5	355.6	392.1	427.2	458.5	486.1
132.5°	213.2	220.7	250.5	286.3	320.6	339.2	357.1	393.6	428.7	458.5	485.3
135°	222.9	228.9	256.4	292.2	324.3	341.4	358.6	392.9	427.2	457.0	483.1
137.5°	231.8	237.8	261.7	296.7	327.3	342.2	358.6	390.6	423.4	453.3	477.9
140°	240.0	244.5	266.1	298.9	328.8	342.9	357.1	386.9	417.5	446.5	471.1
142.5°	248.2	252.0	269.9	300.4	329.5	342.9	356.3	382.4	410.8	439.1	463.7
145°	254.2	257.9	272.8	301.2	328.8	341.4	353.4	378.0	403.3	429.4	453.3
147.5°	260.9	263.9	275.8	299.7	326.5	338.4	349.6	372.0	395.1	419.0	441.3
150°	265.4	268.4	277.3	298.2	322.8	334.0	345.2	366.0	386.9	407.8	427.2
152.5°	269.9	272.1	279.6	296.0	318.3	328.8	339.2	359.3	378.7	397.3	414.5
155°	273.6	275.8	281.0	294.5	313.1	322.8	332.5	351.9	369.8	386.2	401.8
157.5°	277.3	278.8	282.5	292.2	307.1	316.1	325.0	342.2	358.6	375.0	387.6
160°	280.3	281.0	284.0	291.5	301.9	308.6	316.8	332.5	347.4	361.6	373.5
162.5°	283.3	283.3	285.5	290.0	297.4	301.9	307.9	321.3	334.7	347.4	358.6
165°	284.8	284.8	286.3	289.2	293.7	296.7	300.4	309.4	319.8	331.0	341.4
167.5°	286.3	286.3	287.0	288.5	291.5	293.0	294.5	300.4	307.1	315.3	323.5
170°	287.8	287.0	287.0	288.5	289.2	290.0	290.7	293.7	296.7	301.9	306.4
172.5°	287.8	287.0	287.0	287.8	287.8	287.8	287.8	288.5	289.2	292.2	293.7
175°	287.8	287.0	287.0	287.0	287.0	286.3	286.3	286.3	286.3	286.3	287.0
177.5°	287.8	287.0	286.3	286.3	285.5	285.5	284.8	284.8	284.0	284.0	284.0
180°	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5



TEST NUMBER: P395363

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2
2.5°	211.0	211.0	210.2	210.2	209.5	209.5	208.7	208.0	207.2	207.2
5°	211.7	211.0	210.2	210.2	210.2	209.5	209.5	209.5	208.7	208.7
7.5°	211.7	211.7	211.7	211.0	211.0	211.0	211.0	211.0	210.2	210.2
10°	212.5	212.5	212.5	212.5	212.5	212.5	212.5	211.7	211.7	211.7
12.5°	212.5	212.5	212.5	213.2	213.2	213.2	213.2	213.2	213.2	213.2
15°	213.2	213.2	214.0	214.0	214.7	214.7	215.4	215.4	215.4	214.7
17.5°	212.5	213.2	214.0	214.7	215.4	215.4	216.2	216.2	216.2	216.2
20°	212.5	214.0	214.7	215.4	216.2	216.2	216.9	217.7	217.7	216.9
22.5°	211.7	213.2	214.0	215.4	216.2	216.2	217.7	217.7	217.7	217.7
25°	211.0	212.5	214.0	215.4	216.2	216.2	217.7	217.7	218.4	218.4
27.5°	209.5	211.0	213.2	214.7	215.4	216.2	216.9	217.7	217.7	217.7
30°	207.2	209.5	211.7	213.2	214.0	214.7	215.4	216.2	216.9	216.9
32.5°	204.3	206.5	208.7	211.0	211.7	212.5	214.0	214.7	214.7	214.7
35°	201.3	203.5	205.8	208.0	208.7	209.5	211.0	211.7	212.5	212.5
37.5°	196.8	199.0	201.3	203.5	204.3	205.8	207.2	208.0	208.0	208.0
40°	190.1	193.8	196.8	199.0	199.8	201.3	202.0	203.5	203.5	203.5
42.5°	184.1	187.1	189.4	192.3	193.1	195.3	196.8	197.6	198.3	198.3
45°	177.4	180.4	182.6	184.9	185.6	187.1	188.6	189.4	190.1	190.8
47.5°	170.7	173.0	175.2	177.4	178.2	179.7	181.2	181.9	182.6	182.6
50°	162.5	164.8	167.0	169.2	170.0	171.5	172.2	173.0	173.7	173.7
52.5°	153.6	155.8	158.0	160.3	161.0	161.8	163.3	164.0	164.8	164.8
55°	144.6	146.9	148.4	150.6	151.3	152.1	152.8	154.3	155.1	154.3
57.5°	134.2	136.4	137.9	140.2	140.9	141.6	142.4	143.1	143.9	143.9
60°	123.0	125.2	127.5	129.0	129.7	130.5	131.2	131.9	132.7	132.7
62.5°	111.8	114.1	115.5	117.8	118.5	118.5	119.3	120.0	120.8	120.8
65°	100.6	102.9	103.6	105.9	105.9	106.6	107.3	108.1	108.1	108.1
67.5°	88.7	90.9	91.7	93.2	93.2	93.9	94.7	95.4	95.4	95.4
70°	77.5	78.3	79.8	80.5	81.3	81.3	82.0	82.7	83.5	82.7
72.5°	65.6	66.3	67.8	68.6	68.6	69.3	69.3	70.1	70.8	70.8
75°	53.7	55.2	55.9	56.7	57.4	57.4	58.1	58.9	58.9	58.9
77.5°	42.5	44.0	44.7	45.5	46.2	46.2	47.0	47.0	47.7	47.0
80°	32.8	33.5	34.3	35.0	35.8	35.8	36.5	37.3	37.3	37.3
82.5°	23.9	24.6	26.1	26.8	26.8	26.8	28.3	28.3	29.1	28.3
85°	16.4	17.1	18.6	19.4	20.1	20.1	20.1	20.9	21.6	20.9
87.5°	10.4	11.9	12.7	13.4	13.4	13.4	14.2	14.9	14.9	14.9
90°	6.0	6.0	6.7	7.5	7.5	8.2	8.2	8.9	8.9	8.9
92.5°	6.0	6.7	6.7	6.7	7.5	7.5	7.5	8.2	8.2	8.2
95°	50.7	36.5	20.9	16.4	14.2	14.2	13.4	14.2	13.4	13.4
97.5°	153.6	166.2	172.2	180.4	184.9	184.1	181.2	184.1	181.9	184.1
100°	218.4	230.4	239.3	241.5	246.0	248.2	256.4	262.4	265.4	269.1
102.5°	271.4	285.5	296.0	301.9	306.4	309.4	319.1	328.0	332.5	335.5
105°	319.8	334.7	347.4	353.4	358.6	361.6	372.0	382.4	389.1	392.9
107.5°	358.6	375.7	389.1	398.1	403.3	408.5	421.2	431.6	439.8	443.6
110°	393.6	410.8	424.9	435.4	441.3	446.5	460.7	472.6	481.6	486.1



TEST NUMBER: P395363

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	422.7	441.3	455.5	466.7	472.6	480.1	493.5	506.9	515.9	521.1
115°	446.5	465.9	480.8	492.8	499.5	506.2	521.8	535.3	544.2	547.9
117.5°	466.7	486.1	501.7	513.6	521.1	528.5	544.2	556.1	565.8	568.8
120°	483.1	502.5	518.1	531.5	539.0	545.7	560.6	573.3	582.2	584.5
122.5°	494.3	514.4	530.8	545.7	552.4	559.1	573.3	585.9	594.1	596.4
125°	502.5	523.3	539.7	555.4	562.1	568.8	582.2	594.9	601.6	604.6
127.5°	507.7	528.5	546.4	561.3	568.8	574.8	588.2	599.4	606.1	608.3
130°	509.2	530.8	548.7	564.3	571.0	577.0	589.7	600.9	606.8	608.3
132.5°	509.2	530.0	548.7	563.6	570.3	576.3	588.2	598.6	604.6	606.1
135°	506.2	526.3	544.9	559.9	566.6	572.5	584.5	593.4	599.4	600.1
137.5°	501.0	520.3	538.2	553.1	559.9	565.8	576.3	585.9	591.2	592.7
140°	494.3	512.1	530.0	544.2	550.9	556.1	566.6	574.8	580.0	581.5
142.5°	485.3	503.2	519.6	533.8	539.0	544.9	553.9	562.1	566.6	568.1
145°	475.6	492.8	507.7	520.3	526.3	531.5	539.7	547.2	551.7	553.1
147.5°	462.9	480.1	494.3	506.2	511.4	516.6	524.1	530.8	535.3	536.7
150°	447.3	462.9	477.9	489.0	494.3	499.5	506.9	512.9	517.4	518.1
152.5°	431.6	446.5	459.2	470.4	475.6	480.8	487.5	493.5	498.7	498.7
155°	416.7	429.4	441.3	451.0	455.5	460.0	466.7	471.9	476.4	476.4
157.5°	401.1	413.0	422.7	431.6	435.4	439.1	445.1	449.5	453.3	452.5
160°	386.2	395.1	404.0	411.5	415.2	418.2	422.7	426.4	430.1	429.4
162.5°	369.8	378.0	385.4	390.6	393.6	395.8	400.3	404.0	406.3	406.3
165°	351.1	358.6	365.3	370.5	373.5	375.0	378.7	380.9	383.2	383.2
167.5°	331.7	337.7	343.7	348.1	351.1	352.6	356.3	357.8	360.8	360.1
170°	312.4	316.8	321.3	325.0	326.5	328.0	331.0	332.5	334.0	334.0
172.5°	296.7	298.2	300.4	303.4	303.4	304.2	305.6	306.4	307.1	307.1
175°	287.8	288.5	288.5	288.5	288.5	288.5	289.2	288.5	289.2	288.5
177.5°	284.0	284.0	283.3	283.3	282.5	283.3	282.5	281.8	281.8	281.0
180°	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5	282.5

(END OF REPORT)