

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: P395378

Luminaire Tested: **I3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395378
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-30L92765-1D-UNV-W2A-W-4 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2564.9 lumens
Efficiency: N/A
Efficacy: 121.0 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

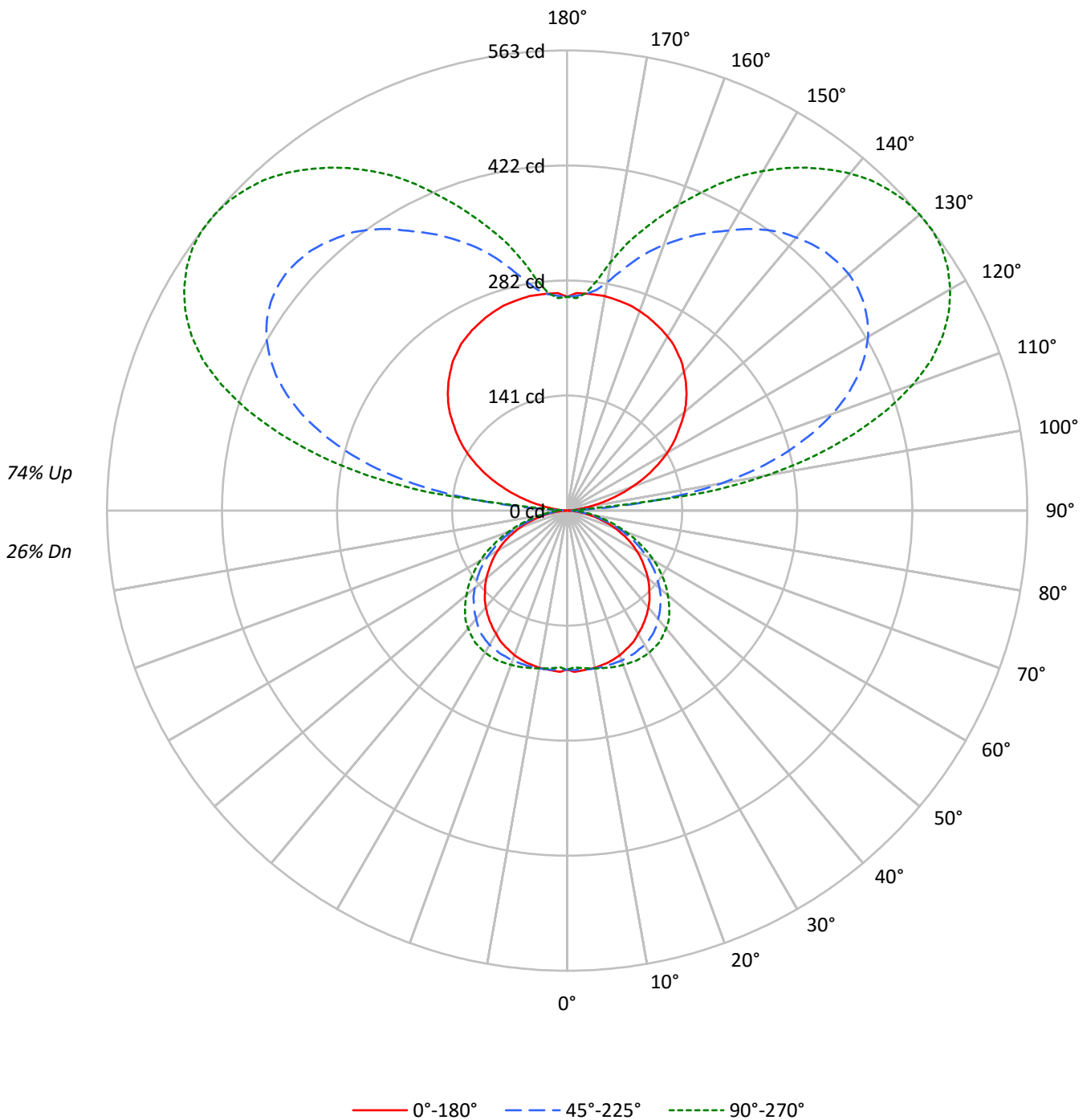
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)

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°	1070	1070	1070
5°	1081	1053	1036
10°	1082	1045	1033
15°	1084	1041	1038
20°	1085	1042	1047
25°	1083	1043	1061
30°	1077	1044	1069
35°	1075	1039	1070
40°	1071	1016	1056
45°	1060	992	1030
50°	1051	959	984
55°	1029	911	928
60°	1003	847	857
65°	963	760	759
70°	894	647	643
75°	772	515	516
80°	599	366	378
85°	352	226	253



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	0.7
10°-20°	55.3	2.2
20°-30°	88.7	3.5
30°-40°	113.5	4.4
40°-50°	123.7	4.8
50°-60°	115.9	4.5
60°-70°	89.9	3.5
70°-80°	51.5	2.0
80°-90°	16.5	0.6
90°-100°	66.1	2.6
100°-110°	257.2	10.0
110°-120°	350.1	13.6
120°-130°	363.4	14.2
130°-140°	322.4	12.6
140°-150°	250.1	9.8
150°-160°	166.9	6.5
160°-170°	89.0	3.5
170°-180°	26.0	1.0
0°-30°	162.7	6.3
0°-40°	276.1	10.8
0°-60°	515.7	20.1
0°-90°	673.7	26.3
90°-120°	673.4	26.3
90°-150°	1609.3	62.7
90°-180°	1891.0	73.7
0°-180°	2564.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	195	195	195	195	195	
5°	197	195	195	195	193	19
15°	193	192	196	199	199	54
25°	182	184	193	200	202	84
35°	165	168	184	193	197	103
45°	142	148	162	172	177	110
55°	114	120	131	140	143	102
65°	81	84	92	98	100	80
75°	42	44	48	53	54	45
85°	8	10	14	19	19	10
90°	1	2	5	7	8	1
95°	8	47	64	13	12	11
105°	54	165	280	332	364	58
115°	114	255	393	462	507	112
125°	165	300	443	520	560	148
135°	206	316	447	525	556	159
145°	235	316	420	487	512	147
155°	253	299	372	422	441	117
165°	264	275	316	346	355	75
175°	266	265	266	267	267	25
180°	262	262	262	262	262	



TEST NUMBER: P395378

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6
2.5°	197.4	196.7	196.7	195.3	195.3	194.6	194.6	194.6	194.6	194.6	195.3
5°	196.7	196.7	196.0	195.3	195.3	194.6	194.6	194.6	194.6	194.6	195.3
7.5°	196.0	196.0	195.3	194.6	194.6	194.6	194.6	194.6	194.6	194.6	196.0
10°	195.3	195.3	194.6	193.9	193.9	193.9	193.9	194.6	194.6	194.6	196.0
12.5°	193.9	193.3	193.3	192.6	192.6	192.6	193.3	193.3	193.9	194.6	196.0
15°	192.6	192.6	191.9	191.2	191.9	191.9	191.9	192.6	193.3	193.9	196.0
17.5°	190.5	190.5	189.8	189.8	189.8	190.5	190.5	191.2	192.6	193.9	195.3
20°	188.4	187.7	187.7	187.7	188.4	188.4	189.1	190.5	191.2	193.3	195.3
22.5°	185.0	185.7	185.0	185.0	185.7	186.4	187.0	188.4	189.8	191.9	193.9
25°	182.2	182.2	182.2	182.2	183.6	183.6	185.0	186.4	188.4	190.5	193.3
27.5°	178.8	178.8	178.8	179.5	180.1	180.8	181.5	183.6	185.7	188.4	191.2
30°	173.9	173.9	173.9	173.9	176.0	176.7	178.1	180.8	182.9	186.4	189.8
32.5°	169.8	169.8	169.8	170.5	171.9	172.6	173.9	177.4	180.1	183.6	187.0
35°	165.0	165.0	165.6	165.6	167.7	168.4	169.8	172.6	175.3	179.5	183.6
37.5°	160.1	160.1	160.8	161.5	162.9	164.3	165.6	168.4	171.2	174.6	178.8
40°	154.6	154.6	155.3	156.0	158.1	159.4	160.8	163.6	166.3	169.8	173.2
42.5°	149.1	149.1	149.8	150.5	152.5	153.9	155.3	158.7	161.5	165.0	167.7
45°	142.2	142.9	143.6	144.9	147.0	148.4	149.8	152.5	156.0	158.7	161.5
47.5°	136.0	136.7	137.4	138.7	140.8	142.2	143.6	146.3	149.1	151.8	155.3
50°	129.1	129.8	130.4	131.8	133.9	135.3	136.7	139.4	142.2	144.3	147.7
52.5°	121.5	122.2	122.9	124.2	127.0	127.7	129.1	131.8	133.9	136.7	139.4
55°	113.9	114.6	115.3	116.6	118.7	120.1	120.8	123.5	125.6	128.4	131.1
57.5°	106.3	107.0	107.7	109.1	110.4	111.8	112.5	114.6	117.3	119.4	122.2
60°	98.0	98.7	99.4	100.1	102.2	102.8	103.5	105.6	107.7	110.4	112.5
62.5°	89.7	89.7	90.4	91.1	93.2	93.9	94.6	95.9	98.7	100.1	102.2
65°	80.8	80.8	81.4	82.1	83.5	84.2	84.9	86.3	88.3	89.7	91.8
67.5°	71.1	71.1	71.8	72.5	73.9	74.5	74.5	76.6	78.0	79.4	80.8
70°	62.1	62.1	62.8	62.8	63.5	64.2	64.9	66.3	66.9	69.0	69.7
72.5°	52.5	52.5	52.5	52.5	53.8	53.8	54.5	55.9	56.6	58.0	59.4
75°	42.1	42.1	42.8	42.8	43.5	44.2	44.9	45.6	46.9	47.6	48.3
77.5°	33.1	32.4	33.1	33.8	34.5	34.5	35.2	35.9	36.6	38.0	38.7
80°	23.5	23.5	23.5	24.2	24.8	24.8	25.5	26.2	26.9	28.3	29.0
82.5°	15.2	15.2	15.9	15.9	16.6	17.3	17.3	17.9	18.6	20.0	20.7
85°	8.3	8.3	8.3	9.0	9.7	9.7	10.4	11.0	12.4	13.1	14.5
87.5°	2.8	2.8	3.5	4.1	4.8	4.8	5.5	6.2	6.9	8.3	9.0
90°	0.7	0.7	0.7	1.4	1.4	2.1	2.1	2.8	3.5	4.1	4.8
92.5°	2.8	4.8	7.6	11.0	10.4	11.0	7.6	4.8	4.8	4.8	5.5
95°	8.3	12.4	20.0	31.7	41.4	46.9	51.8	56.6	66.3	66.9	64.2
97.5°	16.6	22.8	36.6	51.8	69.0	78.0	84.9	99.4	114.6	124.2	136.0
100°	27.6	36.6	54.5	75.2	95.2	107.0	118.0	138.7	157.4	173.9	191.9
102.5°	40.7	51.1	73.2	98.7	123.5	136.7	148.4	172.6	198.1	220.2	239.5
105°	54.5	66.3	92.5	121.5	149.8	165.0	179.5	205.7	232.6	256.8	279.5
107.5°	69.7	82.1	110.4	142.9	174.6	191.9	207.8	236.0	264.3	290.6	314.7
110°	84.2	98.0	127.7	162.9	198.8	216.0	231.9	263.0	292.6	320.3	345.8



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CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	99.4	113.9	143.6	182.2	218.8	236.7	253.3	286.4	317.5	345.8	371.3
115°	113.9	127.7	158.7	198.8	236.0	254.7	272.6	306.5	338.9	367.2	393.4
117.5°	127.7	140.8	172.6	212.6	251.2	269.9	287.8	323.0	355.5	385.1	410.7
120°	141.5	153.2	187.7	224.3	263.7	282.3	300.9	336.1	369.3	398.9	425.2
122.5°	153.9	165.0	198.8	234.7	273.3	292.6	310.6	346.5	380.3	410.0	435.5
125°	165.0	175.3	209.1	243.0	281.6	300.2	318.9	354.1	387.9	416.9	443.1
127.5°	176.0	186.4	216.7	251.2	287.1	306.5	324.4	359.6	392.7	422.4	447.9
130°	187.7	195.3	224.3	258.8	292.6	310.6	329.2	363.0	395.5	424.5	450.0
132.5°	197.4	204.3	231.9	265.0	296.8	314.0	330.6	364.4	396.9	424.5	449.3
135°	206.4	211.9	237.4	270.6	300.2	316.1	332.0	363.7	395.5	423.1	447.3
137.5°	214.7	220.2	242.3	274.7	303.0	316.8	332.0	361.7	392.0	419.6	442.4
140°	222.2	226.4	246.4	276.8	304.4	317.5	330.6	358.2	386.5	413.4	436.2
142.5°	229.8	233.3	249.9	278.2	305.1	317.5	329.9	354.1	380.3	406.5	429.3
145°	235.4	238.8	252.6	278.8	304.4	316.1	327.2	349.9	373.4	397.6	419.6
147.5°	241.6	244.3	255.4	277.5	302.3	313.4	323.7	344.4	365.8	387.9	408.6
150°	245.7	248.5	256.8	276.1	298.9	309.2	319.6	338.9	358.2	377.5	395.5
152.5°	249.9	251.9	258.8	274.0	294.7	304.4	314.0	332.7	350.6	367.9	383.8
155°	253.3	255.4	260.2	272.6	289.9	298.9	307.8	325.8	342.3	357.5	372.0
157.5°	256.8	258.1	261.6	270.6	284.4	292.6	300.9	316.8	332.0	347.2	358.9
160°	259.5	260.2	263.0	269.9	279.5	285.7	293.3	307.8	321.6	334.7	345.8
162.5°	262.3	262.3	264.3	268.5	275.4	279.5	285.1	297.5	309.9	321.6	332.0
165°	263.7	263.7	265.0	267.8	271.9	274.7	278.2	286.4	296.1	306.5	316.1
167.5°	265.0	265.0	265.7	267.1	269.9	271.2	272.6	278.2	284.4	292.0	299.5
170°	266.4	265.7	265.7	267.1	267.8	268.5	269.2	271.9	274.7	279.5	283.7
172.5°	266.4	265.7	265.7	266.4	266.4	266.4	266.4	267.1	267.8	270.6	271.9
175°	266.4	265.7	265.7	265.7	265.7	265.0	265.0	265.0	265.0	265.0	265.7
177.5°	266.4	265.7	265.0	265.0	264.3	264.3	263.7	263.7	263.0	263.0	263.0
180°	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6
2.5°	195.3	195.3	194.6	194.6	193.9	193.9	193.3	192.6	191.9	191.9
5°	196.0	195.3	194.6	194.6	194.6	193.9	193.9	193.9	193.3	193.3
7.5°	196.0	196.0	196.0	195.3	195.3	195.3	195.3	195.3	194.6	194.6
10°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.0	196.0	196.0
12.5°	196.7	196.7	196.7	197.4	197.4	197.4	197.4	197.4	197.4	197.4
15°	197.4	197.4	198.1	198.1	198.8	198.8	199.5	199.5	199.5	198.8
17.5°	196.7	197.4	198.1	198.8	199.5	199.5	200.2	200.2	200.2	200.2
20°	196.7	198.1	198.8	199.5	200.2	200.2	200.8	201.5	201.5	200.8
22.5°	196.0	197.4	198.1	199.5	200.2	200.2	201.5	201.5	201.5	201.5
25°	195.3	196.7	198.1	199.5	200.2	200.2	201.5	201.5	202.2	202.2
27.5°	193.9	195.3	197.4	198.8	199.5	200.2	200.8	201.5	201.5	201.5
30°	191.9	193.9	196.0	197.4	198.1	198.8	199.5	200.2	200.8	200.8
32.5°	189.1	191.2	193.3	195.3	196.0	196.7	198.1	198.8	198.8	198.8
35°	186.4	188.4	190.5	192.6	193.3	193.9	195.3	196.0	196.7	196.7
37.5°	182.2	184.3	186.4	188.4	189.1	190.5	191.9	192.6	192.6	192.6
40°	176.0	179.5	182.2	184.3	185.0	186.4	187.0	188.4	188.4	188.4
42.5°	170.5	173.2	175.3	178.1	178.8	180.8	182.2	182.9	183.6	183.6
45°	164.3	167.0	169.1	171.2	171.9	173.2	174.6	175.3	176.0	176.7
47.5°	158.1	160.1	162.2	164.3	165.0	166.3	167.7	168.4	169.1	169.1
50°	150.5	152.5	154.6	156.7	157.4	158.7	159.4	160.1	160.8	160.8
52.5°	142.2	144.3	146.3	148.4	149.1	149.8	151.2	151.8	152.5	152.5
55°	133.9	136.0	137.4	139.4	140.1	140.8	141.5	142.9	143.6	142.9
57.5°	124.2	126.3	127.7	129.8	130.4	131.1	131.8	132.5	133.2	133.2
60°	113.9	116.0	118.0	119.4	120.1	120.8	121.5	122.2	122.9	122.9
62.5°	103.5	105.6	107.0	109.1	109.7	109.7	110.4	111.1	111.8	111.8
65°	93.2	95.2	95.9	98.0	98.0	98.7	99.4	100.1	100.1	100.1
67.5°	82.1	84.2	84.9	86.3	86.3	87.0	87.7	88.3	88.3	88.3
70°	71.8	72.5	73.9	74.5	75.2	75.2	75.9	76.6	77.3	76.6
72.5°	60.7	61.4	62.8	63.5	63.5	64.2	64.2	64.9	65.6	65.6
75°	49.7	51.1	51.8	52.5	53.1	53.1	53.8	54.5	54.5	54.5
77.5°	39.3	40.7	41.4	42.1	42.8	42.8	43.5	43.5	44.2	43.5
80°	30.4	31.1	31.7	32.4	33.1	33.1	33.8	34.5	34.5	34.5
82.5°	22.1	22.8	24.2	24.8	24.8	24.8	26.2	26.2	26.9	26.2
85°	15.2	15.9	17.3	17.9	18.6	18.6	18.6	19.3	20.0	19.3
87.5°	9.7	11.0	11.7	12.4	12.4	12.4	13.1	13.8	13.8	13.8
90°	5.5	5.5	6.2	6.9	6.9	7.6	7.6	8.3	8.3	8.3
92.5°	5.5	6.2	6.2	6.2	6.9	6.9	6.9	7.6	7.6	7.6
95°	46.9	33.8	19.3	15.2	13.1	13.1	12.4	13.1	12.4	12.4
97.5°	142.2	153.9	159.4	167.0	171.2	170.5	167.7	170.5	168.4	170.5
100°	202.2	213.3	221.6	223.6	227.8	229.8	237.4	243.0	245.7	249.2
102.5°	251.2	264.3	274.0	279.5	283.7	286.4	295.4	303.7	307.8	310.6
105°	296.1	309.9	321.6	327.2	332.0	334.7	344.4	354.1	360.3	363.7
107.5°	332.0	347.9	360.3	368.6	373.4	378.2	390.0	399.6	407.2	410.7
110°	364.4	380.3	393.4	403.1	408.6	413.4	426.5	437.6	445.9	450.0



TEST NUMBER: P395378

CATALOG NUMBER: I3-CL-30L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	391.3	408.6	421.7	432.1	437.6	444.5	456.9	469.3	477.6	482.5
115°	413.4	431.4	445.2	456.2	462.4	468.6	483.1	495.6	503.8	507.3
117.5°	432.1	450.0	464.5	475.5	482.5	489.4	503.8	514.9	523.9	526.6
120°	447.3	465.2	479.7	492.1	499.0	505.2	519.0	530.8	539.0	541.1
122.5°	457.6	476.2	491.4	505.2	511.4	517.7	530.8	542.5	550.1	552.2
125°	465.2	484.5	499.7	514.2	520.4	526.6	539.0	550.8	557.0	559.8
127.5°	470.0	489.4	505.9	519.7	526.6	532.1	544.6	554.9	561.1	563.2
130°	471.4	491.4	508.0	522.5	528.7	534.2	546.0	556.3	561.8	563.2
132.5°	471.4	490.7	508.0	521.8	528.0	533.5	544.6	554.2	559.8	561.1
135°	468.6	487.3	504.5	518.3	524.6	530.1	541.1	549.4	554.9	555.6
137.5°	463.8	481.8	498.3	512.1	518.3	523.9	533.5	542.5	547.3	548.7
140°	457.6	474.2	490.7	503.8	510.1	514.9	524.6	532.1	537.0	538.4
142.5°	449.3	465.9	481.1	494.2	499.0	504.5	512.8	520.4	524.6	525.9
145°	440.3	456.2	470.0	481.8	487.3	492.1	499.7	506.6	510.8	512.1
147.5°	428.6	444.5	457.6	468.6	473.5	478.3	485.2	491.4	495.6	496.9
150°	414.1	428.6	442.4	452.8	457.6	462.4	469.3	474.9	479.0	479.7
152.5°	399.6	413.4	425.2	435.5	440.3	445.2	451.4	456.9	461.7	461.7
155°	385.8	397.6	408.6	417.6	421.7	425.9	432.1	436.9	441.0	441.0
157.5°	371.3	382.4	391.3	399.6	403.1	406.5	412.1	416.2	419.6	419.0
160°	357.5	365.8	374.1	381.0	384.4	387.2	391.3	394.8	398.2	397.6
162.5°	342.3	349.9	356.8	361.7	364.4	366.5	370.6	374.1	376.2	376.2
165°	325.1	332.0	338.2	343.0	345.8	347.2	350.6	352.7	354.8	354.8
167.5°	307.1	312.7	318.2	322.3	325.1	326.5	329.9	331.3	334.1	333.4
170°	289.2	293.3	297.5	300.9	302.3	303.7	306.5	307.8	309.2	309.2
172.5°	274.7	276.1	278.2	280.9	280.9	281.6	283.0	283.7	284.4	284.4
175°	266.4	267.1	267.1	267.1	267.1	267.1	267.8	267.1	267.8	267.1
177.5°	263.0	263.0	262.3	262.3	261.6	262.3	261.6	260.9	260.9	260.2
180°	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6	261.6

(END OF REPORT)