

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: P395384

Luminaire Tested: **I3-CL-30L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395384
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-30L93050-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2592.7 lumens
Efficiency: N/A
Efficacy: 120.0 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

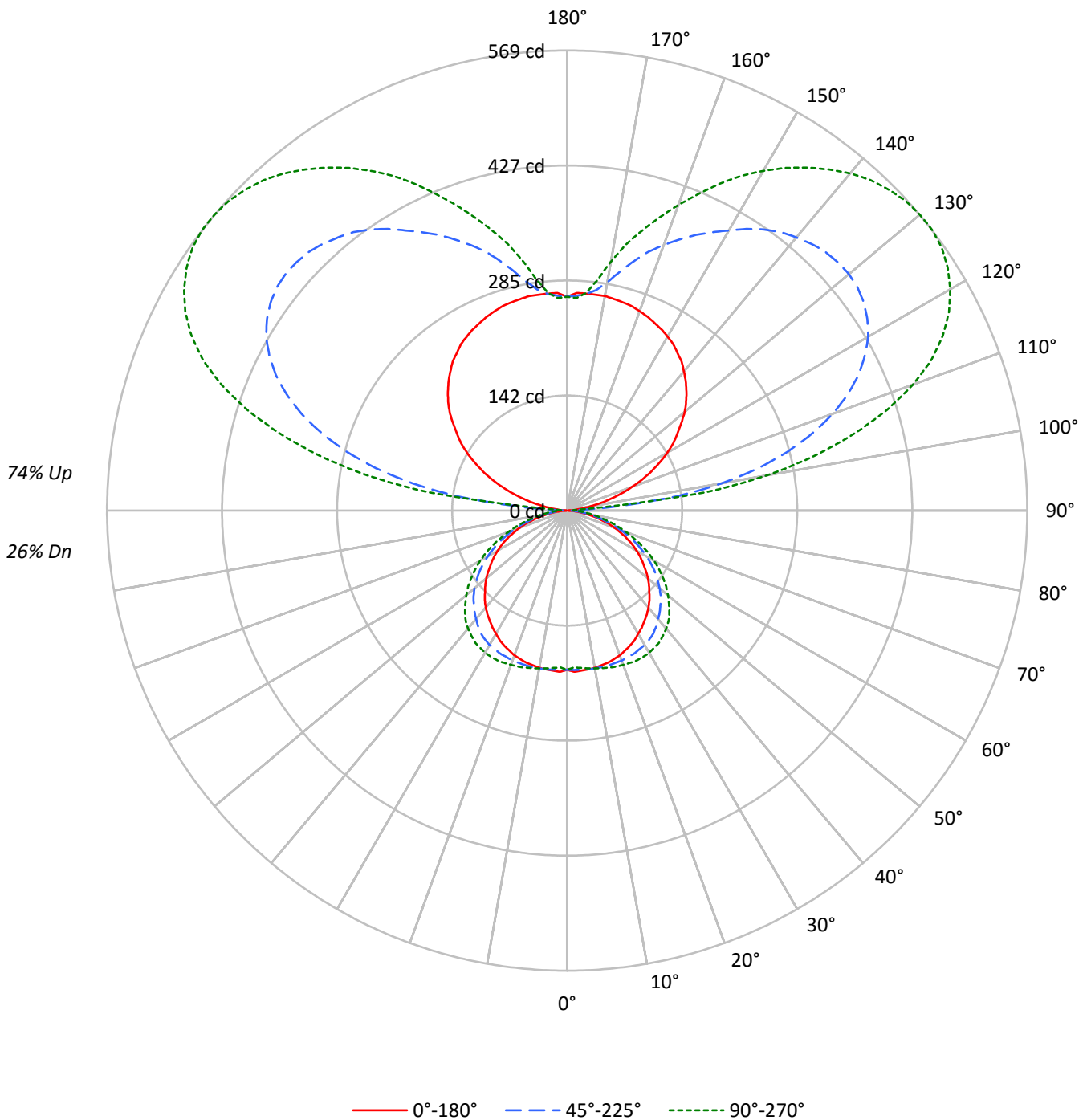
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1081	1081	1081
5°	1093	1064	1047
10°	1094	1056	1044
15°	1095	1052	1049
20°	1097	1053	1059
25°	1095	1054	1073
30°	1089	1056	1080
35°	1086	1050	1082
40°	1083	1027	1068
45°	1071	1003	1041
50°	1062	970	995
55°	1040	921	937
60°	1015	856	866
65°	973	769	768
70°	904	655	649
75°	781	520	521
80°	604	370	382
85°	356	230	256



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	0.7
10°-20°	55.9	2.2
20°-30°	89.7	3.5
30°-40°	114.7	4.4
40°-50°	125.0	4.8
50°-60°	117.2	4.5
60°-70°	90.9	3.5
70°-80°	52.1	2.0
80°-90°	16.7	0.6
90°-100°	66.9	2.6
100°-110°	259.9	10.0
110°-120°	353.9	13.6
120°-130°	367.3	14.2
130°-140°	325.9	12.6
140°-150°	252.8	9.8
150°-160°	168.7	6.5
160°-170°	89.9	3.5
170°-180°	26.3	1.0
0°-30°	164.4	6.3
0°-40°	279.1	10.8
0°-60°	521.3	20.1
0°-90°	680.9	26.3
90°-120°	680.7	26.3
90°-150°	1626.8	62.7
90°-180°	1912.0	73.7
0°-180°	2592.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	197	197	197	197	197	
5°	199	197	197	197	195	19
15°	195	194	198	201	201	55
25°	184	186	195	202	204	85
35°	167	170	186	195	199	104
45°	144	150	163	174	179	111
55°	115	121	133	142	144	103
65°	82	85	93	99	101	80
75°	43	45	49	54	55	45
85°	8	10	15	19	20	10
90°	1	2	5	7	8	1
95°	8	47	65	13	13	11
105°	55	167	283	336	368	59
115°	115	257	398	467	513	113
125°	167	304	448	526	566	149
135°	209	320	452	530	562	161
145°	238	320	424	493	518	149
155°	256	302	376	426	446	118
165°	266	278	320	350	359	75
175°	269	268	269	270	270	26
180°	264	264	264	264	264	



TEST NUMBER: P395384

CATALOG NUMBER: I3-CL-30L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7
2.5°	199.5	198.8	198.8	197.4	197.4	196.7	196.7	196.7	196.7	196.7	197.4
5°	198.8	198.8	198.1	197.4	197.4	196.7	196.7	196.7	196.7	196.7	197.4
7.5°	198.1	198.1	197.4	196.7	196.7	196.7	196.7	196.7	196.7	196.7	198.1
10°	197.4	197.4	196.7	196.0	196.0	196.0	196.0	196.7	196.7	196.7	198.1
12.5°	196.0	195.3	195.3	194.7	194.7	194.7	195.3	195.3	196.0	196.7	198.1
15°	194.7	194.7	194.0	193.3	194.0	194.0	194.0	194.7	195.3	196.0	198.1
17.5°	192.6	192.6	191.9	191.9	191.9	192.6	192.6	193.3	194.7	196.0	197.4
20°	190.5	189.8	189.8	189.8	190.5	190.5	191.2	192.6	193.3	195.3	197.4
22.5°	187.0	187.7	187.0	187.0	187.7	188.4	189.1	190.5	191.9	194.0	196.0
25°	184.2	184.2	184.2	184.2	185.6	185.6	187.0	188.4	190.5	192.6	195.3
27.5°	180.7	180.7	180.7	181.4	182.1	182.8	183.5	185.6	187.7	190.5	193.3
30°	175.8	175.8	175.8	175.8	177.9	178.6	180.0	182.8	184.9	188.4	191.9
32.5°	171.6	171.6	171.6	172.3	173.7	174.4	175.8	179.3	182.1	185.6	189.1
35°	166.7	166.7	167.4	167.4	169.5	170.2	171.6	174.4	177.2	181.4	185.6
37.5°	161.9	161.9	162.6	163.3	164.7	166.0	167.4	170.2	173.0	176.5	180.7
40°	156.3	156.3	157.0	157.7	159.8	161.2	162.6	165.3	168.1	171.6	175.1
42.5°	150.7	150.7	151.4	152.1	154.2	155.6	157.0	160.5	163.3	166.7	169.5
45°	143.7	144.4	145.1	146.5	148.6	150.0	151.4	154.2	157.7	160.5	163.3
47.5°	137.4	138.1	138.8	140.2	142.3	143.7	145.1	147.9	150.7	153.5	157.0
50°	130.5	131.2	131.9	133.3	135.3	136.7	138.1	140.9	143.7	145.8	149.3
52.5°	122.8	123.5	124.2	125.6	128.4	129.1	130.5	133.3	135.3	138.1	140.9
55°	115.1	115.8	116.5	117.9	120.0	121.4	122.1	124.9	127.0	129.8	132.6
57.5°	107.4	108.1	108.8	110.2	111.6	113.0	113.7	115.8	118.6	120.7	123.5
60°	99.1	99.8	100.5	101.2	103.3	104.0	104.7	106.7	108.8	111.6	113.7
62.5°	90.7	90.7	91.4	92.1	94.2	94.9	95.6	97.0	99.8	101.2	103.3
65°	81.6	81.6	82.3	83.0	84.4	85.1	85.8	87.2	89.3	90.7	92.8
67.5°	71.9	71.9	72.6	73.3	74.7	75.3	75.3	77.4	78.8	80.2	81.6
70°	62.8	62.8	63.5	63.5	64.2	64.9	65.6	67.0	67.7	69.8	70.5
72.5°	53.0	53.0	53.0	53.0	54.4	54.4	55.1	56.5	57.2	58.6	60.0
75°	42.6	42.6	43.3	43.3	44.0	44.7	45.3	46.0	47.4	48.1	48.8
77.5°	33.5	32.8	33.5	34.2	34.9	34.9	35.6	36.3	37.0	38.4	39.1
80°	23.7	23.7	23.7	24.4	25.1	25.1	25.8	26.5	27.2	28.6	29.3
82.5°	15.3	15.3	16.0	16.0	16.7	17.4	17.4	18.1	18.8	20.2	20.9
85°	8.4	8.4	8.4	9.1	9.8	9.8	10.5	11.2	12.6	13.3	14.7
87.5°	2.8	2.8	3.5	4.2	4.9	4.9	5.6	6.3	7.0	8.4	9.1
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	7.7	11.2	10.5	11.2	7.7	4.9	4.9	4.9	5.6
95°	8.4	12.6	20.2	32.1	41.9	47.4	52.3	57.2	67.0	67.7	64.9
97.5°	16.7	23.0	37.0	52.3	69.8	78.8	85.8	100.5	115.8	125.6	137.4
100°	27.9	37.0	55.1	76.0	96.3	108.1	119.3	140.2	159.1	175.8	194.0
102.5°	41.2	51.6	74.0	99.8	124.9	138.1	150.0	174.4	200.2	222.6	242.1
105°	55.1	67.0	93.5	122.8	151.4	166.7	181.4	207.9	235.1	259.5	282.6
107.5°	70.5	83.0	111.6	144.4	176.5	194.0	210.0	238.6	267.2	293.7	318.1
110°	85.1	99.1	129.1	164.7	200.9	218.4	234.4	265.8	295.8	323.7	349.5



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CATALOG NUMBER: I3-CL-30L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	100.5	115.1	145.1	184.2	221.2	239.3	256.0	289.5	320.9	349.5	375.3
115°	115.1	129.1	160.5	200.9	238.6	257.4	275.6	309.8	342.6	371.2	397.7
117.5°	129.1	142.3	174.4	214.9	254.0	272.8	290.9	326.5	359.3	389.3	415.1
120°	143.0	154.9	189.8	226.7	266.5	285.3	304.2	339.8	373.3	403.3	429.8
122.5°	155.6	166.7	200.9	237.2	276.3	295.8	314.0	350.2	384.4	414.4	440.2
125°	166.7	177.2	211.4	245.6	284.7	303.5	322.3	357.9	392.1	421.4	447.9
127.5°	177.9	188.4	219.1	254.0	290.2	309.8	327.9	363.5	397.0	427.0	452.8
130°	189.8	197.4	226.7	261.6	295.8	314.0	332.8	367.0	399.8	429.1	454.9
132.5°	199.5	206.5	234.4	267.9	300.0	317.4	334.2	368.4	401.2	429.1	454.2
135°	208.6	214.2	240.0	273.5	303.5	319.5	335.6	367.7	399.8	427.7	452.1
137.5°	217.0	222.6	244.9	277.7	306.3	320.2	335.6	365.6	396.3	424.2	447.2
140°	224.7	228.8	249.1	279.8	307.7	320.9	334.2	362.1	390.7	417.9	440.9
142.5°	232.3	235.8	252.6	281.2	308.4	320.9	333.5	357.9	384.4	410.9	434.0
145°	237.9	241.4	255.3	281.9	307.7	319.5	330.7	353.7	377.4	401.9	424.2
147.5°	244.2	247.0	258.1	280.5	305.6	316.7	327.2	348.1	369.8	392.1	413.0
150°	248.4	251.2	259.5	279.1	302.1	312.6	323.0	342.6	362.1	381.6	399.8
152.5°	252.6	254.7	261.6	277.0	297.9	307.7	317.4	336.3	354.4	371.9	387.9
155°	256.0	258.1	263.0	275.6	293.0	302.1	311.2	329.3	346.0	361.4	376.0
157.5°	259.5	260.9	264.4	273.5	287.4	295.8	304.2	320.2	335.6	350.9	362.8
160°	262.3	263.0	265.8	272.8	282.6	288.8	296.5	311.2	325.1	338.4	349.5
162.5°	265.1	265.1	267.2	271.4	278.4	282.6	288.1	300.7	313.3	325.1	335.6
165°	266.5	266.5	267.9	270.7	274.9	277.7	281.2	289.5	299.3	309.8	319.5
167.5°	267.9	267.9	268.6	270.0	272.8	274.2	275.6	281.2	287.4	295.1	302.8
170°	269.3	268.6	268.6	270.0	270.7	271.4	272.1	274.9	277.7	282.6	286.7
172.5°	269.3	268.6	268.6	269.3	269.3	269.3	269.3	270.0	270.7	273.5	274.9
175°	269.3	268.6	268.6	268.6	268.6	267.9	267.9	267.9	267.9	267.9	268.6
177.5°	269.3	268.6	267.9	267.9	267.2	267.2	266.5	266.5	265.8	265.8	265.8
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7
2.5°	197.4	197.4	196.7	196.7	196.0	196.0	195.3	194.7	194.0	194.0
5°	198.1	197.4	196.7	196.7	196.7	196.0	196.0	196.0	195.3	195.3
7.5°	198.1	198.1	198.1	197.4	197.4	197.4	197.4	197.4	196.7	196.7
10°	198.8	198.8	198.8	198.8	198.8	198.8	198.8	198.1	198.1	198.1
12.5°	198.8	198.8	198.8	199.5	199.5	199.5	199.5	199.5	199.5	199.5
15°	199.5	199.5	200.2	200.2	200.9	200.9	201.6	201.6	201.6	200.9
17.5°	198.8	199.5	200.2	200.9	201.6	201.6	202.3	202.3	202.3	202.3
20°	198.8	200.2	200.9	201.6	202.3	202.3	203.0	203.7	203.7	203.0
22.5°	198.1	199.5	200.2	201.6	202.3	202.3	203.7	203.7	203.7	203.7
25°	197.4	198.8	200.2	201.6	202.3	202.3	203.7	203.7	204.4	204.4
27.5°	196.0	197.4	199.5	200.9	201.6	202.3	203.0	203.7	203.7	203.7
30°	194.0	196.0	198.1	199.5	200.2	200.9	201.6	202.3	203.0	203.0
32.5°	191.2	193.3	195.3	197.4	198.1	198.8	200.2	200.9	200.9	200.9
35°	188.4	190.5	192.6	194.7	195.3	196.0	197.4	198.1	198.8	198.8
37.5°	184.2	186.3	188.4	190.5	191.2	192.6	194.0	194.7	194.7	194.7
40°	177.9	181.4	184.2	186.3	187.0	188.4	189.1	190.5	190.5	190.5
42.5°	172.3	175.1	177.2	180.0	180.7	182.8	184.2	184.9	185.6	185.6
45°	166.0	168.8	170.9	173.0	173.7	175.1	176.5	177.2	177.9	178.6
47.5°	159.8	161.9	164.0	166.0	166.7	168.1	169.5	170.2	170.9	170.9
50°	152.1	154.2	156.3	158.4	159.1	160.5	161.2	161.9	162.6	162.6
52.5°	143.7	145.8	147.9	150.0	150.7	151.4	152.8	153.5	154.2	154.2
55°	135.3	137.4	138.8	140.9	141.6	142.3	143.0	144.4	145.1	144.4
57.5°	125.6	127.7	129.1	131.2	131.9	132.6	133.3	134.0	134.7	134.7
60°	115.1	117.2	119.3	120.7	121.4	122.1	122.8	123.5	124.2	124.2
62.5°	104.7	106.7	108.1	110.2	110.9	110.9	111.6	112.3	113.0	113.0
65°	94.2	96.3	97.0	99.1	99.1	99.8	100.5	101.2	101.2	101.2
67.5°	83.0	85.1	85.8	87.2	87.2	87.9	88.6	89.3	89.3	89.3
70°	72.6	73.3	74.7	75.3	76.0	76.0	76.7	77.4	78.1	77.4
72.5°	61.4	62.1	63.5	64.2	64.2	64.9	64.9	65.6	66.3	66.3
75°	50.2	51.6	52.3	53.0	53.7	53.7	54.4	55.1	55.1	55.1
77.5°	39.8	41.2	41.9	42.6	43.3	43.3	44.0	44.0	44.7	44.0
80°	30.7	31.4	32.1	32.8	33.5	33.5	34.2	34.9	34.9	34.9
82.5°	22.3	23.0	24.4	25.1	25.1	25.1	26.5	26.5	27.2	26.5
85°	15.3	16.0	17.4	18.1	18.8	18.8	18.8	19.5	20.2	19.5
87.5°	9.8	11.2	11.9	12.6	12.6	12.6	13.3	14.0	14.0	14.0
90°	5.6	5.6	6.3	7.0	7.0	7.7	7.7	8.4	8.4	8.4
92.5°	5.6	6.3	6.3	6.3	7.0	7.0	7.0	7.7	7.7	7.7
95°	47.4	34.2	19.5	15.3	13.3	13.3	12.6	13.3	12.6	12.6
97.5°	143.7	155.6	161.2	168.8	173.0	172.3	169.5	172.3	170.2	172.3
100°	204.4	215.6	224.0	226.0	230.2	232.3	240.0	245.6	248.4	251.9
102.5°	254.0	267.2	277.0	282.6	286.7	289.5	298.6	307.0	311.2	314.0
105°	299.3	313.3	325.1	330.7	335.6	338.4	348.1	357.9	364.2	367.7
107.5°	335.6	351.6	364.2	372.6	377.4	382.3	394.2	404.0	411.6	415.1
110°	368.4	384.4	397.7	407.4	413.0	417.9	431.2	442.3	450.7	454.9



TEST NUMBER: P395384

CATALOG NUMBER: I3-CL-30L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	395.6	413.0	426.3	436.7	442.3	449.3	461.9	474.4	482.8	487.7
115°	417.9	436.0	450.0	461.2	467.4	473.7	488.4	500.9	509.3	512.8
117.5°	436.7	454.9	469.5	480.7	487.7	494.6	509.3	520.5	529.5	532.3
120°	452.1	470.2	484.9	497.4	504.4	510.7	524.6	536.5	544.9	547.0
122.5°	462.6	481.4	496.7	510.7	517.0	523.3	536.5	548.4	556.0	558.1
125°	470.2	489.8	505.1	519.8	526.0	532.3	544.9	556.7	563.0	565.8
127.5°	475.1	494.6	511.4	525.3	532.3	537.9	550.5	560.9	567.2	569.3
130°	476.5	496.7	513.5	528.1	534.4	540.0	551.9	562.3	567.9	569.3
132.5°	476.5	496.0	513.5	527.4	533.7	539.3	550.5	560.2	565.8	567.2
135°	473.7	492.6	510.0	524.0	530.2	535.8	547.0	555.3	560.9	561.6
137.5°	468.8	487.0	503.7	517.7	524.0	529.5	539.3	548.4	553.3	554.6
140°	462.6	479.3	496.0	509.3	515.6	520.5	530.2	537.9	542.8	544.2
142.5°	454.2	470.9	486.3	499.5	504.4	510.0	518.4	526.0	530.2	531.6
145°	445.1	461.2	475.1	487.0	492.6	497.4	505.1	512.1	516.3	517.7
147.5°	433.3	449.3	462.6	473.7	478.6	483.5	490.5	496.7	500.9	502.3
150°	418.6	433.3	447.2	457.7	462.6	467.4	474.4	480.0	484.2	484.9
152.5°	404.0	417.9	429.8	440.2	445.1	450.0	456.3	461.9	466.7	466.7
155°	390.0	401.9	413.0	422.1	426.3	430.5	436.7	441.6	445.8	445.8
157.5°	375.3	386.5	395.6	404.0	407.4	410.9	416.5	420.7	424.2	423.5
160°	361.4	369.8	378.1	385.1	388.6	391.4	395.6	399.1	402.6	401.9
162.5°	346.0	353.7	360.7	365.6	368.4	370.5	374.7	378.1	380.2	380.2
165°	328.6	335.6	341.9	346.7	349.5	350.9	354.4	356.5	358.6	358.6
167.5°	310.5	316.0	321.6	325.8	328.6	330.0	333.5	334.9	337.7	337.0
170°	292.3	296.5	300.7	304.2	305.6	307.0	309.8	311.2	312.6	312.6
172.5°	277.7	279.1	281.2	284.0	284.0	284.7	286.0	286.7	287.4	287.4
175°	269.3	270.0	270.0	270.0	270.0	270.0	270.7	270.0	270.7	270.0
177.5°	265.8	265.8	265.1	265.1	264.4	265.1	264.4	263.7	263.7	263.0
180°	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4	264.4

(END OF REPORT)