

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: P395365

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395365
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 (5000K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2859.2 lumens
Efficiency: N/A
Efficacy: 134.9 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

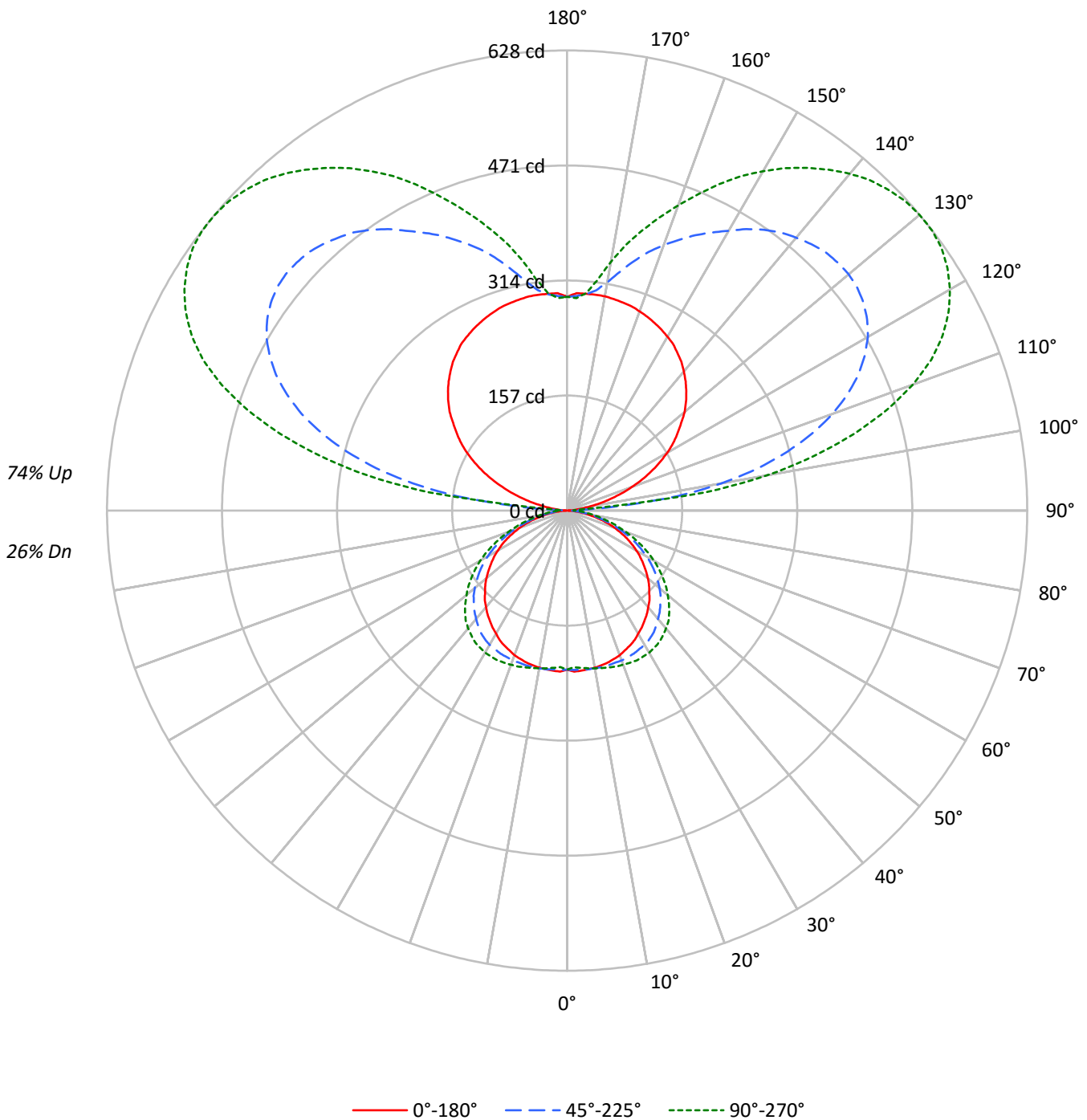
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1193	1193	1193
5°	1205	1174	1155
10°	1206	1165	1152
15°	1208	1161	1158
20°	1210	1161	1168
25°	1208	1162	1183
30°	1201	1164	1192
35°	1198	1158	1193
40°	1194	1133	1177
45°	1182	1105	1148
50°	1171	1069	1097
55°	1146	1016	1034
60°	1119	944	955
65°	1073	847	846
70°	996	722	716
75°	860	575	575
80°	668	408	422
85°	390	253	282



TEST NUMBER: P395365

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.7
10°-20°	61.7	2.2
20°-30°	98.9	3.5
30°-40°	126.5	4.4
40°-50°	137.9	4.8
50°-60°	129.2	4.5
60°-70°	100.2	3.5
70°-80°	57.5	2.0
80°-90°	18.4	0.6
90°-100°	73.7	2.6
100°-110°	286.7	10.0
110°-120°	390.3	13.6
120°-130°	405.1	14.2
130°-140°	359.4	12.6
140°-150°	278.8	9.8
150°-160°	186.1	6.5
160°-170°	99.2	3.5
170°-180°	29.0	1.0
0°-30°	181.3	6.3
0°-40°	307.8	10.8
0°-60°	574.9	20.1
0°-90°	750.9	26.3
90°-120°	750.7	26.3
90°-150°	1793.9	62.7
90°-180°	2108.0	73.7
0°-180°	2859.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	217	217	217	217	217	
5°	219	217	218	217	215	21
15°	215	214	218	222	222	61
25°	203	205	215	223	225	94
35°	184	188	205	215	219	115
45°	158	165	180	192	197	123
55°	127	134	146	156	159	114
65°	90	94	102	109	112	89
75°	47	49	54	59	61	50
85°	9	11	16	21	22	11
90°	1	2	5	8	9	1
95°	9	52	72	15	14	12
105°	61	184	312	370	406	65
115°	127	284	438	516	566	125
125°	184	335	494	580	624	164
135°	230	352	499	585	619	177
145°	262	352	468	543	571	164
155°	282	333	415	470	492	130
165°	294	306	352	386	396	83
175°	297	295	296	298	298	28
180°	292	292	292	292	292	



TEST NUMBER: P395365

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
2.5°	220.0	219.3	219.3	217.7	217.7	217.0	217.0	217.0	217.0	217.0	217.7
5°	219.3	219.3	218.5	217.7	217.7	217.0	217.0	217.0	217.0	217.0	217.7
7.5°	218.5	218.5	217.7	217.0	217.0	217.0	217.0	217.0	217.0	217.0	218.5
10°	217.7	217.7	217.0	216.2	216.2	216.2	216.2	217.0	217.0	217.0	218.5
12.5°	216.2	215.4	215.4	214.7	214.7	214.7	215.4	215.4	216.2	217.0	218.5
15°	214.7	214.7	213.9	213.1	213.9	213.9	213.9	214.7	215.4	216.2	218.5
17.5°	212.3	212.3	211.6	211.6	211.6	212.3	212.3	213.1	214.7	216.2	217.7
20°	210.0	209.3	209.3	209.3	210.0	210.0	210.8	212.3	213.1	215.4	217.7
22.5°	206.2	207.0	206.2	206.2	207.0	207.7	208.5	210.0	211.6	213.9	216.2
25°	203.1	203.1	203.1	203.1	204.7	204.7	206.2	207.7	210.0	212.3	215.4
27.5°	199.3	199.3	199.3	200.0	200.8	201.6	202.3	204.7	207.0	210.0	213.1
30°	193.9	193.9	193.9	193.9	196.2	197.0	198.5	201.6	203.9	207.7	211.6
32.5°	189.3	189.3	189.3	190.0	191.6	192.3	193.9	197.7	200.8	204.7	208.5
35°	183.9	183.9	184.7	184.7	187.0	187.7	189.3	192.3	195.4	200.0	204.7
37.5°	178.5	178.5	179.3	180.0	181.6	183.1	184.7	187.7	190.8	194.7	199.3
40°	172.3	172.3	173.1	173.9	176.2	177.7	179.3	182.3	185.4	189.3	193.1
42.5°	166.2	166.2	167.0	167.7	170.0	171.6	173.1	177.0	180.0	183.9	187.0
45°	158.5	159.3	160.0	161.6	163.9	165.4	167.0	170.0	173.9	177.0	180.0
47.5°	151.6	152.3	153.1	154.6	157.0	158.5	160.0	163.1	166.2	169.3	173.1
50°	143.9	144.6	145.4	147.0	149.3	150.8	152.3	155.4	158.5	160.8	164.6
52.5°	135.4	136.2	137.0	138.5	141.6	142.3	143.9	147.0	149.3	152.3	155.4
55°	126.9	127.7	128.5	130.0	132.3	133.9	134.6	137.7	140.0	143.1	146.2
57.5°	118.5	119.3	120.0	121.6	123.1	124.6	125.4	127.7	130.8	133.1	136.2
60°	109.3	110.0	110.8	111.6	113.9	114.6	115.4	117.7	120.0	123.1	125.4
62.5°	100.0	100.0	100.8	101.6	103.9	104.6	105.4	106.9	110.0	111.6	113.9
65°	90.0	90.0	90.8	91.6	93.1	93.9	94.6	96.2	98.5	100.0	102.3
67.5°	79.2	79.2	80.0	80.8	82.3	83.1	83.1	85.4	86.9	88.5	90.0
70°	69.2	69.2	70.0	70.0	70.8	71.6	72.3	73.9	74.6	76.9	77.7
72.5°	58.5	58.5	58.5	58.5	60.0	60.0	60.8	62.3	63.1	64.6	66.2
75°	46.9	46.9	47.7	47.7	48.5	49.2	50.0	50.8	52.3	53.1	53.9
77.5°	36.9	36.2	36.9	37.7	38.5	38.5	39.2	40.0	40.8	42.3	43.1
80°	26.2	26.2	26.2	26.9	27.7	27.7	28.5	29.2	30.0	31.5	32.3
82.5°	16.9	16.9	17.7	17.7	18.5	19.2	19.2	20.0	20.8	22.3	23.1
85°	9.2	9.2	9.2	10.0	10.8	10.8	11.5	12.3	13.8	14.6	16.2
87.5°	3.1	3.1	3.8	4.6	5.4	5.4	6.2	6.9	7.7	9.2	10.0
90°	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.1	3.8	4.6	5.4
92.5°	3.1	5.4	8.5	12.3	11.5	12.3	8.5	5.4	5.4	5.4	6.2
95°	9.2	13.8	22.3	35.4	46.2	52.3	57.7	63.1	73.9	74.6	71.6
97.5°	18.5	25.4	40.8	57.7	76.9	86.9	94.6	110.8	127.7	138.5	151.6
100°	30.8	40.8	60.8	83.9	106.2	119.3	131.6	154.6	175.4	193.9	213.9
102.5°	45.4	56.9	81.6	110.0	137.7	152.3	165.4	192.3	220.8	245.4	267.0
105°	60.8	73.9	103.1	135.4	167.0	183.9	200.0	229.3	259.3	286.2	311.6
107.5°	77.7	91.6	123.1	159.3	194.7	213.9	231.6	263.1	294.7	323.9	350.8
110°	93.9	109.3	142.3	181.6	221.6	240.8	258.5	293.1	326.2	357.0	385.5



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CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	110.8	126.9	160.0	203.1	243.9	263.9	282.4	319.3	353.9	385.5	413.9
115°	126.9	142.3	177.0	221.6	263.1	283.9	303.9	341.6	377.8	409.3	438.5
117.5°	142.3	157.0	192.3	237.0	280.1	300.8	320.8	360.1	396.2	429.3	457.8
120°	157.7	170.8	209.3	250.0	293.9	314.7	335.5	374.7	411.6	444.7	473.9
122.5°	171.6	183.9	221.6	261.6	304.7	326.2	346.2	386.2	423.9	457.0	485.5
125°	183.9	195.4	233.1	270.8	313.9	334.7	355.5	394.7	432.4	464.7	493.9
127.5°	196.2	207.7	241.6	280.1	320.1	341.6	361.6	400.8	437.8	470.9	499.3
130°	209.3	217.7	250.0	288.5	326.2	346.2	367.0	404.7	440.9	473.2	501.6
132.5°	220.0	227.7	258.5	295.4	330.8	350.1	368.5	406.2	442.4	473.2	500.9
135°	230.0	236.2	264.7	301.6	334.7	352.4	370.1	405.5	440.9	471.6	498.6
137.5°	239.3	245.4	270.1	306.2	337.8	353.1	370.1	403.2	437.0	467.8	493.2
140°	247.7	252.4	274.7	308.5	339.3	353.9	368.5	399.3	430.9	460.9	486.2
142.5°	256.2	260.1	278.5	310.1	340.1	353.9	367.8	394.7	423.9	453.2	478.6
145°	262.4	266.2	281.6	310.8	339.3	352.4	364.7	390.1	416.2	443.2	467.8
147.5°	269.3	272.4	284.7	309.3	337.0	349.3	360.8	383.9	407.8	432.4	455.5
150°	273.9	277.0	286.2	307.8	333.1	344.7	356.2	377.8	399.3	420.9	440.9
152.5°	278.5	280.8	288.5	305.4	328.5	339.3	350.1	370.8	390.8	410.1	427.8
155°	282.4	284.7	290.1	303.9	323.1	333.1	343.1	363.1	381.6	398.5	414.7
157.5°	286.2	287.7	291.6	301.6	317.0	326.2	335.5	353.1	370.1	387.0	400.1
160°	289.3	290.1	293.1	300.8	311.6	318.5	327.0	343.1	358.5	373.2	385.5
162.5°	292.4	292.4	294.7	299.3	307.0	311.6	317.8	331.6	345.5	358.5	370.1
165°	293.9	293.9	295.4	298.5	303.1	306.2	310.1	319.3	330.1	341.6	352.4
167.5°	295.4	295.4	296.2	297.8	300.8	302.4	303.9	310.1	317.0	325.4	333.9
170°	297.0	296.2	296.2	297.8	298.5	299.3	300.1	303.1	306.2	311.6	316.2
172.5°	297.0	296.2	296.2	297.0	297.0	297.0	297.0	297.8	298.5	301.6	303.1
175°	297.0	296.2	296.2	296.2	296.2	295.4	295.4	295.4	295.4	295.4	296.2
177.5°	297.0	296.2	295.4	295.4	294.7	294.7	293.9	293.9	293.1	293.1	293.1
180°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
2.5°	217.7	217.7	217.0	217.0	216.2	216.2	215.4	214.7	213.9	213.9
5°	218.5	217.7	217.0	217.0	217.0	216.2	216.2	216.2	215.4	215.4
7.5°	218.5	218.5	218.5	217.7	217.7	217.7	217.7	217.7	217.0	217.0
10°	219.3	219.3	219.3	219.3	219.3	219.3	219.3	218.5	218.5	218.5
12.5°	219.3	219.3	219.3	220.0	220.0	220.0	220.0	220.0	220.0	220.0
15°	220.0	220.0	220.8	220.8	221.6	221.6	222.4	222.4	222.4	221.6
17.5°	219.3	220.0	220.8	221.6	222.4	222.4	223.1	223.1	223.1	223.1
20°	219.3	220.8	221.6	222.4	223.1	223.1	223.9	224.7	224.7	223.9
22.5°	218.5	220.0	220.8	222.4	223.1	223.1	224.7	224.7	224.7	224.7
25°	217.7	219.3	220.8	222.4	223.1	223.1	224.7	224.7	225.4	225.4
27.5°	216.2	217.7	220.0	221.6	222.4	223.1	223.9	224.7	224.7	224.7
30°	213.9	216.2	218.5	220.0	220.8	221.6	222.4	223.1	223.9	223.9
32.5°	210.8	213.1	215.4	217.7	218.5	219.3	220.8	221.6	221.6	221.6
35°	207.7	210.0	212.3	214.7	215.4	216.2	217.7	218.5	219.3	219.3
37.5°	203.1	205.4	207.7	210.0	210.8	212.3	213.9	214.7	214.7	214.7
40°	196.2	200.0	203.1	205.4	206.2	207.7	208.5	210.0	210.0	210.0
42.5°	190.0	193.1	195.4	198.5	199.3	201.6	203.1	203.9	204.7	204.7
45°	183.1	186.2	188.5	190.8	191.6	193.1	194.7	195.4	196.2	197.0
47.5°	176.2	178.5	180.8	183.1	183.9	185.4	187.0	187.7	188.5	188.5
50°	167.7	170.0	172.3	174.6	175.4	177.0	177.7	178.5	179.3	179.3
52.5°	158.5	160.8	163.1	165.4	166.2	167.0	168.5	169.3	170.0	170.0
55°	149.3	151.6	153.1	155.4	156.2	157.0	157.7	159.3	160.0	159.3
57.5°	138.5	140.8	142.3	144.6	145.4	146.2	147.0	147.7	148.5	148.5
60°	126.9	129.3	131.6	133.1	133.9	134.6	135.4	136.2	137.0	137.0
62.5°	115.4	117.7	119.3	121.6	122.3	122.3	123.1	123.9	124.6	124.6
65°	103.9	106.2	106.9	109.3	109.3	110.0	110.8	111.6	111.6	111.6
67.5°	91.6	93.9	94.6	96.2	96.2	96.9	97.7	98.5	98.5	98.5
70°	80.0	80.8	82.3	83.1	83.9	83.9	84.6	85.4	86.2	85.4
72.5°	67.7	68.5	70.0	70.8	70.8	71.6	71.6	72.3	73.1	73.1
75°	55.4	56.9	57.7	58.5	59.2	59.2	60.0	60.8	60.8	60.8
77.5°	43.9	45.4	46.2	46.9	47.7	47.7	48.5	48.5	49.2	48.5
80°	33.9	34.6	35.4	36.2	36.9	36.9	37.7	38.5	38.5	38.5
82.5°	24.6	25.4	26.9	27.7	27.7	27.7	29.2	29.2	30.0	29.2
85°	16.9	17.7	19.2	20.0	20.8	20.8	20.8	21.5	22.3	21.5
87.5°	10.8	12.3	13.1	13.8	13.8	13.8	14.6	15.4	15.4	15.4
90°	6.2	6.2	6.9	7.7	7.7	8.5	8.5	9.2	9.2	9.2
92.5°	6.2	6.9	6.9	6.9	7.7	7.7	7.7	8.5	8.5	8.5
95°	52.3	37.7	21.5	16.9	14.6	14.6	13.8	14.6	13.8	13.8
97.5°	158.5	171.6	177.7	186.2	190.8	190.0	187.0	190.0	187.7	190.0
100°	225.4	237.7	247.0	249.3	253.9	256.2	264.7	270.8	273.9	277.7
102.5°	280.1	294.7	305.4	311.6	316.2	319.3	329.3	338.5	343.1	346.2
105°	330.1	345.5	358.5	364.7	370.1	373.2	383.9	394.7	401.6	405.5
107.5°	370.1	387.8	401.6	410.9	416.2	421.6	434.7	445.5	453.9	457.8
110°	406.2	423.9	438.5	449.3	455.5	460.9	475.5	487.8	497.0	501.6



TEST NUMBER: P395365

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	436.2	455.5	470.1	481.6	487.8	495.5	509.3	523.2	532.4	537.8
115°	460.9	480.9	496.3	508.6	515.5	522.4	538.6	552.4	561.6	565.5
117.5°	481.6	501.6	517.8	530.1	537.8	545.5	561.6	574.0	584.0	587.0
120°	498.6	518.6	534.7	548.6	556.3	563.2	578.6	591.7	600.9	603.2
122.5°	510.1	530.9	547.8	563.2	570.1	577.0	591.7	604.7	613.2	615.5
125°	518.6	540.1	557.0	573.2	580.1	587.0	600.9	614.0	620.9	624.0
127.5°	523.9	545.5	564.0	579.3	587.0	593.2	607.0	618.6	625.5	627.8
130°	525.5	547.8	566.3	582.4	589.3	595.5	608.6	620.1	626.3	627.8
132.5°	525.5	547.0	566.3	581.7	588.6	594.7	607.0	617.8	624.0	625.5
135°	522.4	543.2	562.4	577.8	584.7	590.9	603.2	612.4	618.6	619.4
137.5°	517.0	537.0	555.5	570.9	577.8	584.0	594.7	604.7	610.1	611.7
140°	510.1	528.6	547.0	561.6	568.6	574.0	584.7	593.2	598.6	600.1
142.5°	500.9	519.3	536.3	550.9	556.3	562.4	571.7	580.1	584.7	586.3
145°	490.9	508.6	523.9	537.0	543.2	548.6	557.0	564.7	569.3	570.9
147.5°	477.8	495.5	510.1	522.4	527.8	533.2	540.9	547.8	552.4	554.0
150°	461.6	477.8	493.2	504.7	510.1	515.5	523.2	529.3	534.0	534.7
152.5°	445.5	460.9	473.9	485.5	490.9	496.3	503.2	509.3	514.7	514.7
155°	430.1	443.2	455.5	465.5	470.1	474.7	481.6	487.0	491.6	491.6
157.5°	413.9	426.2	436.2	445.5	449.3	453.2	459.3	463.9	467.8	467.0
160°	398.5	407.8	417.0	424.7	428.5	431.6	436.2	440.1	443.9	443.2
162.5°	381.6	390.1	397.8	403.2	406.2	408.5	413.2	417.0	419.3	419.3
165°	362.4	370.1	377.0	382.4	385.5	387.0	390.8	393.2	395.5	395.5
167.5°	342.4	348.5	354.7	359.3	362.4	363.9	367.8	369.3	372.4	371.6
170°	322.4	327.0	331.6	335.5	337.0	338.5	341.6	343.1	344.7	344.7
172.5°	306.2	307.8	310.1	313.1	313.1	313.9	315.4	316.2	317.0	317.0
175°	297.0	297.8	297.8	297.8	297.8	297.8	298.5	297.8	298.5	297.8
177.5°	293.1	293.1	292.4	292.4	291.6	292.4	291.6	290.8	290.8	290.1
180°	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6	291.6

(END OF REPORT)