

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: P395367

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395367  
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 (6500K)  
Description: CORELITE I3, CLEAR TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2900.8 lumens  
Efficiency: N/A  
Efficacy: 134.3 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

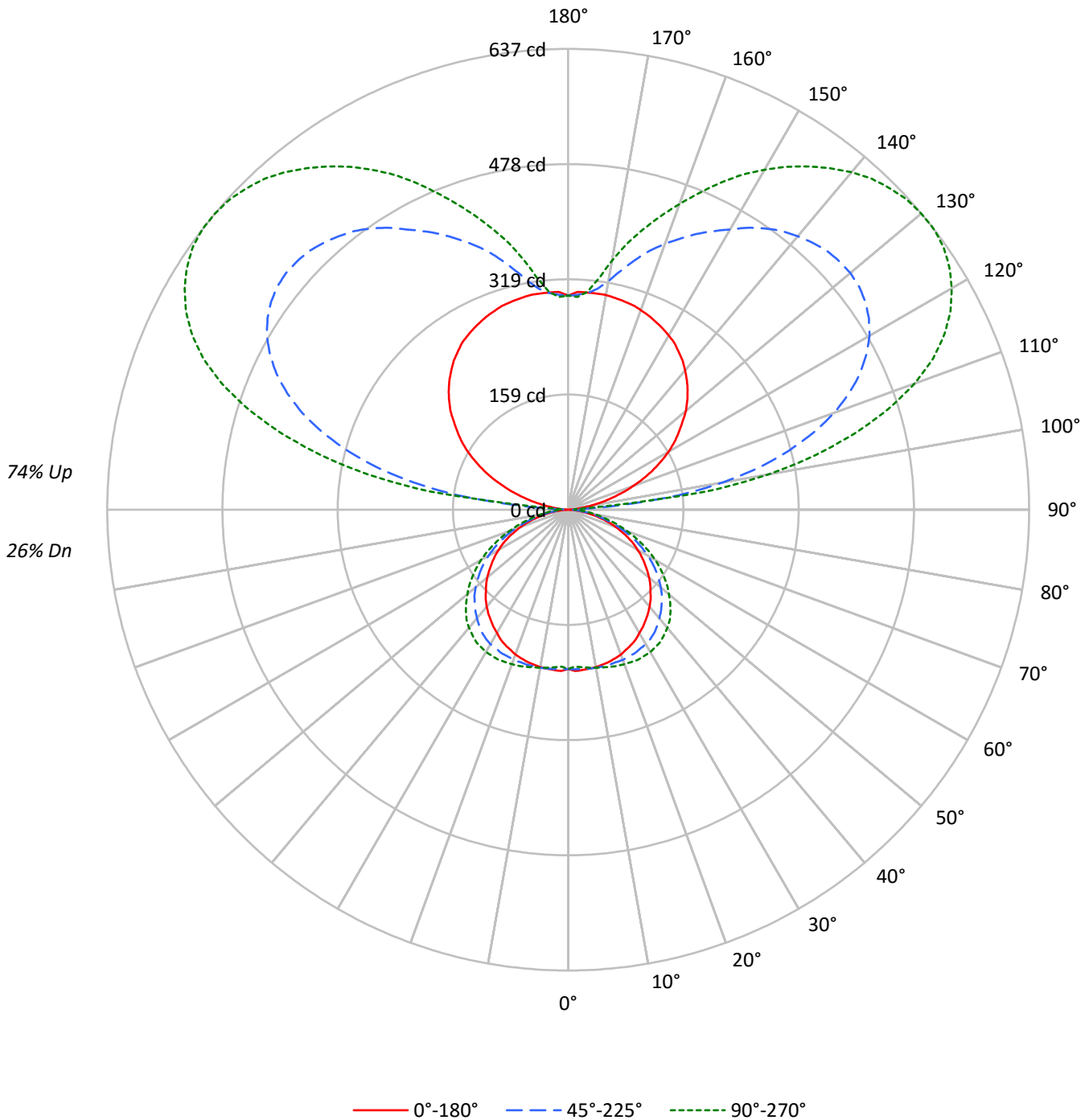
Input Watts (W): 21.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1210	1210	1210
5°	1223	1191	1172
10°	1224	1182	1169
15°	1225	1178	1174
20°	1227	1178	1185
25°	1226	1180	1200
30°	1218	1181	1209
35°	1216	1174	1210
40°	1212	1149	1195
45°	1199	1122	1165
50°	1188	1084	1113
55°	1164	1030	1049
60°	1134	958	968
65°	1088	860	859
70°	1012	732	726
75°	872	582	584
80°	676	414	427
85°	399	256	287



TEST NUMBER: P395367

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.1	0.7
10°-20°	62.6	2.2
20°-30°	100.3	3.5
30°-40°	128.3	4.4
40°-50°	139.9	4.8
50°-60°	131.1	4.5
60°-70°	101.7	3.5
70°-80°	58.3	2.0
80°-90°	18.6	0.6
90°-100°	74.8	2.6
100°-110°	290.8	10.0
110°-120°	395.9	13.6
120°-130°	411.0	14.2
130°-140°	364.6	12.6
140°-150°	282.9	9.8
150°-160°	188.8	6.5
160°-170°	100.6	3.5
170°-180°	29.4	1.0
0°-30°	184.0	6.3
0°-40°	312.3	10.8
0°-60°	583.2	20.1
0°-90°	761.9	26.3
90°-120°	761.6	26.3
90°-150°	1820.1	62.7
90°-180°	2139.0	73.7
0°-180°	2900.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	222	220	221	220	219	21
15°	218	217	222	225	225	62
25°	206	208	219	226	229	95
35°	187	190	208	219	222	117
45°	161	168	183	194	200	124
55°	129	136	148	158	162	115
65°	91	95	104	111	113	90
75°	48	50	55	60	62	51
85°	9	11	16	21	22	11
90°	1	2	6	8	9	1
95°	9	53	73	15	14	12
105°	62	187	316	376	411	66
115°	129	288	445	523	574	127
125°	187	340	501	589	633	167
135°	233	358	506	593	628	180
145°	266	358	475	551	579	167
155°	286	338	421	477	499	132
165°	298	311	358	391	401	84
175°	301	300	300	302	302	29
180°	296	296	296	296	296	



TEST NUMBER: P395367

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1
2.5°	223.2	222.5	222.5	220.9	220.9	220.1	220.1	220.1	220.1	220.1	220.9
5°	222.5	222.5	221.7	220.9	220.9	220.1	220.1	220.1	220.1	220.1	220.9
7.5°	221.7	221.7	220.9	220.1	220.1	220.1	220.1	220.1	220.1	220.1	221.7
10°	220.9	220.9	220.1	219.3	219.3	219.3	219.3	220.1	220.1	220.1	221.7
12.5°	219.3	218.6	218.6	217.8	217.8	217.8	218.6	218.6	219.3	220.1	221.7
15°	217.8	217.8	217.0	216.2	217.0	217.0	217.0	217.8	218.6	219.3	221.7
17.5°	215.4	215.4	214.7	214.7	214.7	215.4	215.4	216.2	217.8	219.3	220.9
20°	213.1	212.3	212.3	212.3	213.1	213.1	213.9	215.4	216.2	218.6	220.9
22.5°	209.2	210.0	209.2	209.2	210.0	210.8	211.5	213.1	214.7	217.0	219.3
25°	206.1	206.1	206.1	206.1	207.6	207.6	209.2	210.8	213.1	215.4	218.6
27.5°	202.2	202.2	202.2	203.0	203.7	204.5	205.3	207.6	210.0	213.1	216.2
30°	196.7	196.7	196.7	196.7	199.0	199.8	201.4	204.5	206.9	210.8	214.7
32.5°	192.0	192.0	192.0	192.8	194.4	195.1	196.7	200.6	203.7	207.6	211.5
35°	186.6	186.6	187.3	187.3	189.7	190.5	192.0	195.1	198.3	203.0	207.6
37.5°	181.1	181.1	181.9	182.7	184.2	185.8	187.3	190.5	193.6	197.5	202.2
40°	174.9	174.9	175.6	176.4	178.8	180.3	181.9	185.0	188.1	192.0	195.9
42.5°	168.6	168.6	169.4	170.2	172.5	174.1	175.6	179.5	182.7	186.6	189.7
45°	160.8	161.6	162.4	163.9	166.3	167.8	169.4	172.5	176.4	179.5	182.7
47.5°	153.8	154.6	155.3	156.9	159.2	160.8	162.4	165.5	168.6	171.7	175.6
50°	146.0	146.8	147.5	149.1	151.4	153.0	154.6	157.7	160.8	163.1	167.0
52.5°	137.4	138.2	138.9	140.5	143.6	144.4	146.0	149.1	151.4	154.6	157.7
55°	128.8	129.6	130.4	131.9	134.3	135.8	136.6	139.7	142.1	145.2	148.3
57.5°	120.2	121.0	121.8	123.3	124.9	126.5	127.2	129.6	132.7	135.0	138.2
60°	110.8	111.6	112.4	113.2	115.5	116.3	117.1	119.4	121.8	124.9	127.2
62.5°	101.5	101.5	102.3	103.0	105.4	106.2	106.9	108.5	111.6	113.2	115.5
65°	91.3	91.3	92.1	92.9	94.5	95.2	96.0	97.6	99.9	101.5	103.8
67.5°	80.4	80.4	81.2	82.0	83.5	84.3	84.3	86.6	88.2	89.8	91.3
70°	70.3	70.3	71.0	71.0	71.8	72.6	73.4	74.9	75.7	78.1	78.8
72.5°	59.3	59.3	59.3	59.3	60.9	60.9	61.7	63.2	64.0	65.6	67.1
75°	47.6	47.6	48.4	48.4	49.2	50.0	50.7	51.5	53.1	53.9	54.6
77.5°	37.5	36.7	37.5	38.2	39.0	39.0	39.8	40.6	41.4	42.9	43.7
80°	26.5	26.5	26.5	27.3	28.1	28.1	28.9	29.7	30.4	32.0	32.8
82.5°	17.2	17.2	18.0	18.0	18.7	19.5	19.5	20.3	21.1	22.6	23.4
85°	9.4	9.4	9.4	10.1	10.9	10.9	11.7	12.5	14.1	14.8	16.4
87.5°	3.1	3.1	3.9	4.7	5.5	5.5	6.2	7.0	7.8	9.4	10.1
90°	0.8	0.8	0.8	1.6	1.6	2.3	2.3	3.1	3.9	4.7	5.5
92.5°	3.1	5.5	8.6	12.5	11.7	12.5	8.6	5.5	5.5	5.5	6.2
95°	9.4	14.1	22.6	35.9	46.8	53.1	58.5	64.0	74.9	75.7	72.6
97.5°	18.7	25.8	41.4	58.5	78.1	88.2	96.0	112.4	129.6	140.5	153.8
100°	31.2	41.4	61.7	85.1	107.7	121.0	133.5	156.9	178.0	196.7	217.0
102.5°	46.1	57.8	82.7	111.6	139.7	154.6	167.8	195.1	224.0	249.0	270.9
105°	61.7	74.9	104.6	137.4	169.4	186.6	203.0	232.6	263.1	290.4	316.1
107.5°	78.8	92.9	124.9	161.6	197.5	217.0	235.0	267.0	299.0	328.6	355.9
110°	95.2	110.8	144.4	184.2	224.8	244.3	262.3	297.4	331.0	362.2	391.1



TEST NUMBER: P395367

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	112.4	128.8	162.4	206.1	247.4	267.7	286.5	323.9	359.1	391.1	420.0
115°	128.8	144.4	179.5	224.8	267.0	288.0	308.3	346.6	383.3	415.3	444.9
117.5°	144.4	159.2	195.1	240.4	284.1	305.2	325.5	365.3	402.0	435.6	464.4
120°	160.0	173.3	212.3	253.7	298.2	319.3	340.3	380.1	417.6	451.2	480.8
122.5°	174.1	186.6	224.8	265.4	309.1	331.0	351.3	391.9	430.1	463.7	492.6
125°	186.6	198.3	236.5	274.8	318.5	339.6	360.6	400.4	438.7	471.5	501.1
127.5°	199.0	210.8	245.1	284.1	324.7	346.6	366.9	406.7	444.2	477.7	506.6
130°	212.3	220.9	253.7	292.7	331.0	351.3	372.3	410.6	447.3	480.1	508.9
132.5°	223.2	231.1	262.3	299.7	335.7	355.2	373.9	412.1	448.8	480.1	508.2
135°	233.4	239.6	268.5	306.0	339.6	357.5	375.5	411.4	447.3	478.5	505.8
137.5°	242.8	249.0	274.0	310.7	342.7	358.3	375.5	409.0	443.4	474.6	500.4
140°	251.3	256.0	278.7	313.0	344.2	359.1	373.9	405.1	437.1	467.6	493.3
142.5°	259.9	263.8	282.6	314.6	345.0	359.1	373.1	400.4	430.1	459.8	485.5
145°	266.2	270.1	285.7	315.4	344.2	357.5	370.0	395.8	422.3	449.6	474.6
147.5°	273.2	276.3	288.8	313.8	341.9	354.4	366.1	389.5	413.7	438.7	462.1
150°	277.9	281.0	290.4	312.2	338.0	349.7	361.4	383.3	405.1	427.0	447.3
152.5°	282.6	284.9	292.7	309.9	333.3	344.2	355.2	376.2	396.5	416.1	434.0
155°	286.5	288.8	294.3	308.3	327.8	338.0	348.1	368.4	387.2	404.3	420.7
157.5°	290.4	291.9	295.8	306.0	321.6	331.0	340.3	358.3	375.5	392.6	405.9
160°	293.5	294.3	297.4	305.2	316.1	323.2	331.7	348.1	363.8	378.6	391.1
162.5°	296.6	296.6	299.0	303.6	311.5	316.1	322.4	336.4	350.5	363.8	375.5
165°	298.2	298.2	299.7	302.9	307.6	310.7	314.6	323.9	334.9	346.6	357.5
167.5°	299.7	299.7	300.5	302.1	305.2	306.8	308.3	314.6	321.6	330.2	338.8
170°	301.3	300.5	300.5	302.1	302.9	303.6	304.4	307.6	310.7	316.1	320.8
172.5°	301.3	300.5	300.5	301.3	301.3	301.3	301.3	302.1	302.9	306.0	307.6
175°	301.3	300.5	300.5	300.5	300.5	299.7	299.7	299.7	299.7	299.7	300.5
177.5°	301.3	300.5	299.7	299.7	299.0	299.0	298.2	298.2	297.4	297.4	297.4
180°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8



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CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1	220.1
2.5°	220.9	220.9	220.1	220.1	219.3	219.3	218.6	217.8	217.0	217.0
5°	221.7	220.9	220.1	220.1	220.1	219.3	219.3	219.3	218.6	218.6
7.5°	221.7	221.7	221.7	220.9	220.9	220.9	220.9	220.9	220.1	220.1
10°	222.5	222.5	222.5	222.5	222.5	222.5	222.5	221.7	221.7	221.7
12.5°	222.5	222.5	222.5	223.2	223.2	223.2	223.2	223.2	223.2	223.2
15°	223.2	223.2	224.0	224.0	224.8	224.8	225.6	225.6	225.6	224.8
17.5°	222.5	223.2	224.0	224.8	225.6	225.6	226.4	226.4	226.4	226.4
20°	222.5	224.0	224.8	225.6	226.4	226.4	227.2	227.9	227.9	227.2
22.5°	221.7	223.2	224.0	225.6	226.4	226.4	227.9	227.9	227.9	227.9
25°	220.9	222.5	224.0	225.6	226.4	226.4	227.9	227.9	228.7	228.7
27.5°	219.3	220.9	223.2	224.8	225.6	226.4	227.2	227.9	227.9	227.9
30°	217.0	219.3	221.7	223.2	224.0	224.8	225.6	226.4	227.2	227.2
32.5°	213.9	216.2	218.6	220.9	221.7	222.5	224.0	224.8	224.8	224.8
35°	210.8	213.1	215.4	217.8	218.6	219.3	220.9	221.7	222.5	222.5
37.5°	206.1	208.4	210.8	213.1	213.9	215.4	217.0	217.8	217.8	217.8
40°	199.0	203.0	206.1	208.4	209.2	210.8	211.5	213.1	213.1	213.1
42.5°	192.8	195.9	198.3	201.4	202.2	204.5	206.1	206.9	207.6	207.6
45°	185.8	188.9	191.2	193.6	194.4	195.9	197.5	198.3	199.0	199.8
47.5°	178.8	181.1	183.4	185.8	186.6	188.1	189.7	190.5	191.2	191.2
50°	170.2	172.5	174.9	177.2	178.0	179.5	180.3	181.1	181.9	181.9
52.5°	160.8	163.1	165.5	167.8	168.6	169.4	170.9	171.7	172.5	172.5
55°	151.4	153.8	155.3	157.7	158.5	159.2	160.0	161.6	162.4	161.6
57.5°	140.5	142.8	144.4	146.8	147.5	148.3	149.1	149.9	150.7	150.7
60°	128.8	131.1	133.5	135.0	135.8	136.6	137.4	138.2	138.9	138.9
62.5°	117.1	119.4	121.0	123.3	124.1	124.1	124.9	125.7	126.5	126.5
65°	105.4	107.7	108.5	110.8	110.8	111.6	112.4	113.2	113.2	113.2
67.5°	92.9	95.2	96.0	97.6	97.6	98.4	99.1	99.9	99.9	99.9
70°	81.2	82.0	83.5	84.3	85.1	85.1	85.9	86.6	87.4	86.6
72.5°	68.7	69.5	71.0	71.8	71.8	72.6	72.6	73.4	74.2	74.2
75°	56.2	57.8	58.5	59.3	60.1	60.1	60.9	61.7	61.7	61.7
77.5°	44.5	46.1	46.8	47.6	48.4	48.4	49.2	49.2	50.0	49.2
80°	34.3	35.1	35.9	36.7	37.5	37.5	38.2	39.0	39.0	39.0
82.5°	25.0	25.8	27.3	28.1	28.1	28.1	29.7	29.7	30.4	29.7
85°	17.2	18.0	19.5	20.3	21.1	21.1	21.1	21.9	22.6	21.9
87.5°	10.9	12.5	13.3	14.1	14.1	14.1	14.8	15.6	15.6	15.6
90°	6.2	6.2	7.0	7.8	7.8	8.6	8.6	9.4	9.4	9.4
92.5°	6.2	7.0	7.0	7.0	7.8	7.8	7.8	8.6	8.6	8.6
95°	53.1	38.2	21.9	17.2	14.8	14.8	14.1	14.8	14.1	14.1
97.5°	160.8	174.1	180.3	188.9	193.6	192.8	189.7	192.8	190.5	192.8
100°	228.7	241.2	250.6	252.9	257.6	259.9	268.5	274.8	277.9	281.8
102.5°	284.1	299.0	309.9	316.1	320.8	323.9	334.1	343.5	348.1	351.3
105°	334.9	350.5	363.8	370.0	375.5	378.6	389.5	400.4	407.5	411.4
107.5°	375.5	393.4	407.5	416.8	422.3	427.8	441.0	452.0	460.5	464.4
110°	412.1	430.1	444.9	455.9	462.1	467.6	482.4	494.9	504.3	508.9





TEST NUMBER: P395367

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	442.6	462.1	476.9	488.6	494.9	502.7	516.7	530.8	540.2	545.6
115°	467.6	487.9	503.5	516.0	523.0	530.0	546.4	560.5	569.8	573.7
117.5°	488.6	508.9	525.3	537.8	545.6	553.4	569.8	582.3	592.5	595.6
120°	505.8	526.1	542.5	556.6	564.4	571.4	587.0	600.3	609.6	612.0
122.5°	517.5	538.6	555.8	571.4	578.4	585.4	600.3	613.5	622.1	624.5
125°	526.1	548.0	565.1	581.5	588.6	595.6	609.6	622.9	629.9	633.1
127.5°	531.6	553.4	572.2	587.8	595.6	601.8	615.9	627.6	634.6	637.0
130°	533.1	555.8	574.5	590.9	597.9	604.2	617.4	629.2	635.4	637.0
132.5°	533.1	555.0	574.5	590.1	597.1	603.4	615.9	626.8	633.1	634.6
135°	530.0	551.1	570.6	586.2	593.2	599.5	612.0	621.3	627.6	628.4
137.5°	524.6	544.8	563.6	579.2	586.2	592.5	603.4	613.5	619.0	620.6
140°	517.5	536.3	555.0	569.8	576.9	582.3	593.2	601.8	607.3	608.9
142.5°	508.2	526.9	544.1	558.9	564.4	570.6	580.0	588.6	593.2	594.8
145°	498.0	516.0	531.6	544.8	551.1	556.6	565.1	573.0	577.6	579.2
147.5°	484.7	502.7	517.5	530.0	535.5	540.9	548.8	555.8	560.5	562.0
150°	468.4	484.7	500.4	512.1	517.5	523.0	530.8	537.0	541.7	542.5
152.5°	452.0	467.6	480.8	492.6	498.0	503.5	510.5	516.7	522.2	522.2
155°	436.3	449.6	462.1	472.3	476.9	481.6	488.6	494.1	498.8	498.8
157.5°	420.0	432.4	442.6	452.0	455.9	459.8	466.0	470.7	474.6	473.8
160°	404.3	413.7	423.1	430.9	434.8	437.9	442.6	446.5	450.4	449.6
162.5°	387.2	395.8	403.6	409.0	412.1	414.5	419.2	423.1	425.4	425.4
165°	367.7	375.5	382.5	388.0	391.1	392.6	396.5	398.9	401.2	401.2
167.5°	347.4	353.6	359.9	364.5	367.7	369.2	373.1	374.7	377.8	377.0
170°	327.1	331.7	336.4	340.3	341.9	343.5	346.6	348.1	349.7	349.7
172.5°	310.7	312.2	314.6	317.7	317.7	318.5	320.0	320.8	321.6	321.6
175°	301.3	302.1	302.1	302.1	302.1	302.1	302.9	302.1	302.9	302.1
177.5°	297.4	297.4	296.6	296.6	295.8	296.6	295.8	295.1	295.1	294.3
180°	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8	295.8

(END OF REPORT)