

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: P395362

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395362  
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 (3500K)  
Description: CORELITE I3, CLEAR TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2712.0 lumens  
Efficiency: N/A  
Efficacy: 130.4 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

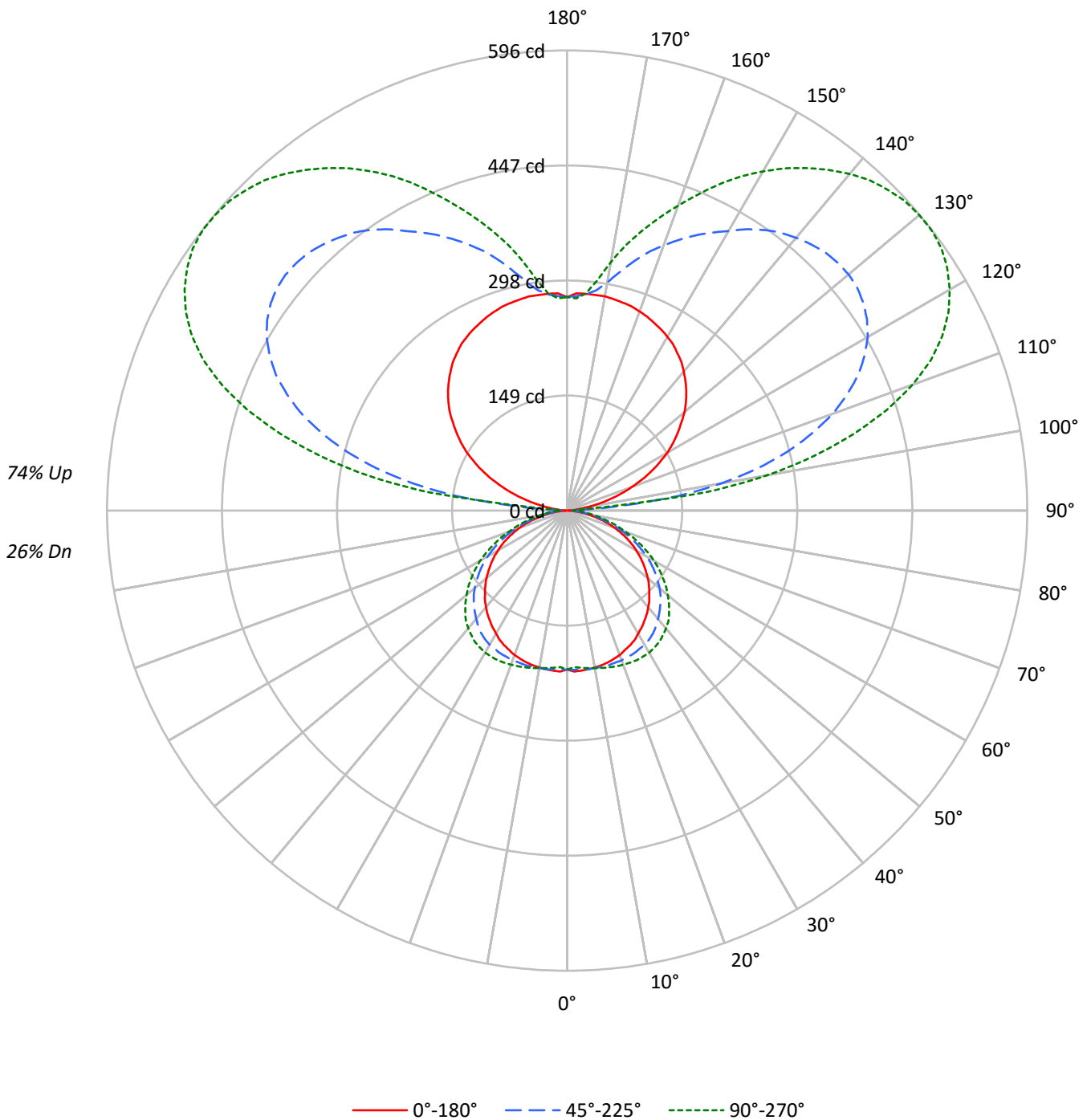
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

### 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	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°	1131	1131	1131
5°	1143	1113	1095
10°	1144	1105	1093
15°	1145	1101	1098
20°	1147	1101	1108
25°	1146	1102	1122
30°	1139	1104	1130
35°	1136	1098	1132
40°	1133	1075	1117
45°	1121	1049	1089
50°	1111	1014	1040
55°	1088	963	981
60°	1061	896	905
65°	1018	804	802
70°	945	685	679
75°	816	545	546
80°	632	388	400
85°	373	239	267



TEST NUMBER: P395362

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.7	0.7
10°-20°	58.5	2.2
20°-30°	93.8	3.5
30°-40°	120.0	4.4
40°-50°	130.8	4.8
50°-60°	122.5	4.5
60°-70°	95.1	3.5
70°-80°	54.5	2.0
80°-90°	17.4	0.6
90°-100°	69.9	2.6
100°-110°	271.9	10.0
110°-120°	370.2	13.6
120°-130°	384.3	14.2
130°-140°	340.9	12.6
140°-150°	264.5	9.8
150°-160°	176.5	6.5
160°-170°	94.1	3.5
170°-180°	27.5	1.0
0°-30°	172.0	6.3
0°-40°	291.9	10.8
0°-60°	545.3	20.1
0°-90°	712.3	26.3
90°-120°	712.0	26.3
90°-150°	1701.6	62.7
90°-180°	2000.0	73.7
0°-180°	2712.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	206	206	206	206	206	
5°	208	206	206	206	204	20
15°	204	203	207	210	210	58
25°	193	194	204	212	214	89
35°	174	178	194	204	208	109
45°	150	157	171	182	187	116
55°	120	127	139	148	151	108
65°	85	89	97	104	106	84
75°	44	47	51	56	58	48
85°	9	10	15	20	20	11
90°	1	2	5	7	9	1
95°	9	50	68	14	13	12
105°	58	174	296	351	385	62
115°	120	269	416	489	536	119
125°	174	318	468	550	592	156
135°	218	334	473	555	588	168
145°	249	334	444	515	542	156
155°	268	316	393	446	466	124
165°	279	290	334	366	375	79
175°	282	280	281	282	282	27
180°	277	277	277	277	277	



TEST NUMBER: P395362

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8
2.5°	208.7	208.0	208.0	206.5	206.5	205.8	205.8	205.8	205.8	205.8	206.5
5°	208.0	208.0	207.3	206.5	206.5	205.8	205.8	205.8	205.8	205.8	206.5
7.5°	207.3	207.3	206.5	205.8	205.8	205.8	205.8	205.8	205.8	205.8	207.3
10°	206.5	206.5	205.8	205.1	205.1	205.1	205.1	205.8	205.8	205.8	207.3
12.5°	205.1	204.3	204.3	203.6	203.6	203.6	204.3	204.3	205.1	205.8	207.3
15°	203.6	203.6	202.9	202.2	202.9	202.9	202.9	203.6	204.3	205.1	207.3
17.5°	201.4	201.4	200.7	200.7	200.7	201.4	201.4	202.2	203.6	205.1	206.5
20°	199.2	198.5	198.5	198.5	199.2	199.2	200.0	201.4	202.2	204.3	206.5
22.5°	195.6	196.3	195.6	195.6	196.3	197.0	197.8	199.2	200.7	202.9	205.1
25°	192.7	192.7	192.7	192.7	194.1	194.1	195.6	197.0	199.2	201.4	204.3
27.5°	189.0	189.0	189.0	189.7	190.5	191.2	191.9	194.1	196.3	199.2	202.2
30°	183.9	183.9	183.9	183.9	186.1	186.8	188.3	191.2	193.4	197.0	200.7
32.5°	179.5	179.5	179.5	180.3	181.7	182.4	183.9	187.6	190.5	194.1	197.8
35°	174.4	174.4	175.2	175.2	177.3	178.1	179.5	182.4	185.4	189.7	194.1
37.5°	169.3	169.3	170.0	170.8	172.2	173.7	175.2	178.1	181.0	184.6	189.0
40°	163.5	163.5	164.2	164.9	167.1	168.6	170.0	173.0	175.9	179.5	183.2
42.5°	157.6	157.6	158.4	159.1	161.3	162.7	164.2	167.9	170.8	174.4	177.3
45°	150.3	151.1	151.8	153.3	155.4	156.9	158.4	161.3	164.9	167.9	170.8
47.5°	143.8	144.5	145.2	146.7	148.9	150.3	151.8	154.7	157.6	160.6	164.2
50°	136.5	137.2	137.9	139.4	141.6	143.0	144.5	147.4	150.3	152.5	156.2
52.5°	128.4	129.2	129.9	131.4	134.3	135.0	136.5	139.4	141.6	144.5	147.4
55°	120.4	121.1	121.9	123.3	125.5	127.0	127.7	130.6	132.8	135.7	138.7
57.5°	112.4	113.1	113.8	115.3	116.8	118.2	119.0	121.1	124.1	126.3	129.2
60°	103.6	104.4	105.1	105.8	108.0	108.7	109.5	111.7	113.8	116.8	119.0
62.5°	94.9	94.9	95.6	96.3	98.5	99.3	100.0	101.4	104.4	105.8	108.0
65°	85.4	85.4	86.1	86.8	88.3	89.0	89.8	91.2	93.4	94.9	97.1
67.5°	75.2	75.2	75.9	76.6	78.1	78.8	78.8	81.0	82.5	83.9	85.4
70°	65.7	65.7	66.4	66.4	67.1	67.9	68.6	70.1	70.8	73.0	73.7
72.5°	55.5	55.5	55.5	55.5	56.9	56.9	57.7	59.1	59.8	61.3	62.8
75°	44.5	44.5	45.2	45.2	46.0	46.7	47.4	48.2	49.6	50.4	51.1
77.5°	35.0	34.3	35.0	35.8	36.5	36.5	37.2	37.9	38.7	40.1	40.9
80°	24.8	24.8	24.8	25.5	26.3	26.3	27.0	27.7	28.5	29.9	30.7
82.5°	16.1	16.1	16.8	16.8	17.5	18.2	18.2	19.0	19.7	21.2	21.9
85°	8.8	8.8	8.8	9.5	10.2	10.2	10.9	11.7	13.1	13.9	15.3
87.5°	2.9	2.9	3.6	4.4	5.1	5.1	5.8	6.6	7.3	8.8	9.5
90°	0.7	0.7	0.7	1.5	1.5	2.2	2.2	2.9	3.6	4.4	5.1
92.5°	2.9	5.1	8.0	11.7	10.9	11.7	8.0	5.1	5.1	5.1	5.8
95°	8.8	13.1	21.2	33.6	43.8	49.6	54.7	59.8	70.1	70.8	67.9
97.5°	17.5	24.1	38.7	54.7	73.0	82.5	89.8	105.1	121.1	131.4	143.8
100°	29.2	38.7	57.7	79.5	100.7	113.1	124.8	146.7	166.4	183.9	202.9
102.5°	43.1	54.0	77.4	104.4	130.6	144.5	156.9	182.4	209.5	232.8	253.2
105°	57.7	70.1	97.8	128.4	158.4	174.4	189.7	217.5	245.9	271.5	295.6
107.5°	73.7	86.8	116.8	151.1	184.6	202.9	219.7	249.6	279.5	307.2	332.8
110°	89.0	103.6	135.0	172.2	210.2	228.4	245.2	278.1	309.4	338.6	365.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.1	120.4	151.8	192.7	231.3	250.3	267.8	302.9	335.7	365.6	392.6
115°	120.4	135.0	167.9	210.2	249.6	269.3	288.3	324.0	358.3	388.2	416.0
117.5°	135.0	148.9	182.4	224.8	265.6	285.3	304.3	341.5	375.8	407.2	434.2
120°	149.6	162.0	198.5	237.2	278.8	298.5	318.2	355.4	390.4	421.8	449.6
122.5°	162.7	174.4	210.2	248.1	289.0	309.4	328.4	366.4	402.1	433.5	460.5
125°	174.4	185.4	221.1	256.9	297.8	317.5	337.2	374.4	410.1	440.8	468.5
127.5°	186.1	197.0	229.2	265.6	303.6	324.0	343.0	380.2	415.3	446.6	473.6
130°	198.5	206.5	237.2	273.7	309.4	328.4	348.1	383.9	418.2	448.8	475.8
132.5°	208.7	216.0	245.2	280.2	313.8	332.1	349.6	385.3	419.6	448.8	475.1
135°	218.2	224.0	251.0	286.1	317.5	334.2	351.0	384.6	418.2	447.4	472.9
137.5°	227.0	232.8	256.2	290.5	320.4	335.0	351.0	382.4	414.5	443.7	467.8
140°	235.0	239.4	260.5	292.6	321.8	335.7	349.6	378.8	408.7	437.1	461.2
142.5°	243.0	246.7	264.2	294.1	322.6	335.7	348.8	374.4	402.1	429.8	453.9
145°	248.9	252.5	267.1	294.8	321.8	334.2	345.9	370.0	394.8	420.4	443.7
147.5°	255.4	258.3	270.0	293.4	319.6	331.3	342.3	364.2	386.8	410.1	432.0
150°	259.8	262.7	271.5	291.9	316.0	326.9	337.9	358.3	378.8	399.2	418.2
152.5°	264.2	266.4	273.7	289.7	311.6	321.8	332.1	351.8	370.7	389.0	405.8
155°	267.8	270.0	275.1	288.3	306.5	316.0	325.5	344.5	362.0	378.0	393.4
157.5°	271.5	272.9	276.6	286.1	300.7	309.4	318.2	335.0	351.0	367.1	379.5
160°	274.4	275.1	278.1	285.3	295.6	302.1	310.2	325.5	340.1	353.9	365.6
162.5°	277.3	277.3	279.5	283.9	291.2	295.6	301.4	314.5	327.7	340.1	351.0
165°	278.8	278.8	280.2	283.2	287.5	290.5	294.1	302.9	313.1	324.0	334.2
167.5°	280.2	280.2	281.0	282.4	285.3	286.8	288.3	294.1	300.7	308.7	316.7
170°	281.7	281.0	281.0	282.4	283.2	283.9	284.6	287.5	290.5	295.6	299.9
172.5°	281.7	281.0	281.0	281.7	281.7	281.7	281.7	282.4	283.2	286.1	287.5
175°	281.7	281.0	281.0	281.0	281.0	280.2	280.2	280.2	280.2	280.2	281.0
177.5°	281.7	281.0	280.2	280.2	279.5	279.5	278.8	278.8	278.1	278.1	278.1
180°	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8
2.5°	206.5	206.5	205.8	205.8	205.1	205.1	204.3	203.6	202.9	202.9
5°	207.3	206.5	205.8	205.8	205.8	205.1	205.1	205.1	204.3	204.3
7.5°	207.3	207.3	207.3	206.5	206.5	206.5	206.5	206.5	205.8	205.8
10°	208.0	208.0	208.0	208.0	208.0	208.0	208.0	207.3	207.3	207.3
12.5°	208.0	208.0	208.0	208.7	208.7	208.7	208.7	208.7	208.7	208.7
15°	208.7	208.7	209.5	209.5	210.2	210.2	210.9	210.9	210.9	210.2
17.5°	208.0	208.7	209.5	210.2	210.9	210.9	211.6	211.6	211.6	211.6
20°	208.0	209.5	210.2	210.9	211.6	211.6	212.4	213.1	213.1	212.4
22.5°	207.3	208.7	209.5	210.9	211.6	211.6	213.1	213.1	213.1	213.1
25°	206.5	208.0	209.5	210.9	211.6	211.6	213.1	213.1	213.8	213.8
27.5°	205.1	206.5	208.7	210.2	210.9	211.6	212.4	213.1	213.1	213.1
30°	202.9	205.1	207.3	208.7	209.5	210.2	210.9	211.6	212.4	212.4
32.5°	200.0	202.2	204.3	206.5	207.3	208.0	209.5	210.2	210.2	210.2
35°	197.0	199.2	201.4	203.6	204.3	205.1	206.5	207.3	208.0	208.0
37.5°	192.7	194.9	197.0	199.2	200.0	201.4	202.9	203.6	203.6	203.6
40°	186.1	189.7	192.7	194.9	195.6	197.0	197.8	199.2	199.2	199.2
42.5°	180.3	183.2	185.4	188.3	189.0	191.2	192.7	193.4	194.1	194.1
45°	173.7	176.6	178.8	181.0	181.7	183.2	184.6	185.4	186.1	186.8
47.5°	167.1	169.3	171.5	173.7	174.4	175.9	177.3	178.1	178.8	178.8
50°	159.1	161.3	163.5	165.7	166.4	167.9	168.6	169.3	170.0	170.0
52.5°	150.3	152.5	154.7	156.9	157.6	158.4	159.8	160.6	161.3	161.3
55°	141.6	143.8	145.2	147.4	148.1	148.9	149.6	151.1	151.8	151.1
57.5°	131.4	133.6	135.0	137.2	137.9	138.7	139.4	140.1	140.8	140.8
60°	120.4	122.6	124.8	126.3	127.0	127.7	128.4	129.2	129.9	129.9
62.5°	109.5	111.7	113.1	115.3	116.0	116.0	116.8	117.5	118.2	118.2
65°	98.5	100.7	101.4	103.6	103.6	104.4	105.1	105.8	105.8	105.8
67.5°	86.8	89.0	89.8	91.2	91.2	92.0	92.7	93.4	93.4	93.4
70°	75.9	76.6	78.1	78.8	79.5	79.5	80.3	81.0	81.7	81.0
72.5°	64.2	65.0	66.4	67.1	67.1	67.9	67.9	68.6	69.3	69.3
75°	52.5	54.0	54.7	55.5	56.2	56.2	56.9	57.7	57.7	57.7
77.5°	41.6	43.1	43.8	44.5	45.2	45.2	46.0	46.0	46.7	46.0
80°	32.1	32.8	33.6	34.3	35.0	35.0	35.8	36.5	36.5	36.5
82.5°	23.4	24.1	25.5	26.3	26.3	26.3	27.7	27.7	28.5	27.7
85°	16.1	16.8	18.2	19.0	19.7	19.7	19.7	20.4	21.2	20.4
87.5°	10.2	11.7	12.4	13.1	13.1	13.1	13.9	14.6	14.6	14.6
90°	5.8	5.8	6.6	7.3	7.3	8.0	8.0	8.8	8.8	8.8
92.5°	5.8	6.6	6.6	6.6	7.3	7.3	7.3	8.0	8.0	8.0
95°	49.6	35.8	20.4	16.1	13.9	13.9	13.1	13.9	13.1	13.1
97.5°	150.3	162.7	168.6	176.6	181.0	180.3	177.3	180.3	178.1	180.3
100°	213.8	225.5	234.3	236.5	240.8	243.0	251.0	256.9	259.8	263.5
102.5°	265.6	279.5	289.7	295.6	299.9	302.9	312.4	321.1	325.5	328.4
105°	313.1	327.7	340.1	345.9	351.0	353.9	364.2	374.4	381.0	384.6
107.5°	351.0	367.8	381.0	389.7	394.8	399.9	412.3	422.5	430.6	434.2
110°	385.3	402.1	416.0	426.2	432.0	437.1	451.0	462.7	471.4	475.8





TEST NUMBER: P395362

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	413.8	432.0	445.9	456.9	462.7	470.0	483.1	496.3	505.0	510.1
115°	437.1	456.1	470.7	482.4	489.0	495.5	510.9	524.0	532.7	536.4
117.5°	456.9	475.8	491.2	502.8	510.1	517.4	532.7	544.4	553.9	556.8
120°	472.9	491.9	507.2	520.3	527.6	534.2	548.8	561.2	570.0	572.2
122.5°	483.9	503.6	519.6	534.2	540.8	547.3	561.2	573.6	581.6	583.8
125°	491.9	512.3	528.4	543.7	550.3	556.8	570.0	582.4	588.9	591.9
127.5°	497.0	517.4	534.9	549.5	556.8	562.7	575.8	586.8	593.3	595.5
130°	498.4	519.6	537.1	552.5	559.0	564.9	577.3	588.2	594.1	595.5
132.5°	498.4	518.9	537.1	551.7	558.3	564.1	575.8	586.0	591.9	593.3
135°	495.5	515.2	533.5	548.1	554.6	560.5	572.2	580.9	586.8	587.5
137.5°	490.4	509.4	526.9	541.5	548.1	553.9	564.1	573.6	578.7	580.2
140°	483.9	501.4	518.9	532.7	539.3	544.4	554.6	562.7	567.8	569.2
142.5°	475.1	492.6	508.7	522.5	527.6	533.5	542.2	550.3	554.6	556.1
145°	465.6	482.4	497.0	509.4	515.2	520.3	528.4	535.7	540.0	541.5
147.5°	453.2	470.0	483.9	495.5	500.6	505.7	513.0	519.6	524.0	525.5
150°	437.9	453.2	467.8	478.7	483.9	489.0	496.3	502.1	506.5	507.2
152.5°	422.5	437.1	449.6	460.5	465.6	470.7	477.3	483.1	488.2	488.2
155°	408.0	420.4	432.0	441.5	445.9	450.3	456.9	462.0	466.3	466.3
157.5°	392.6	404.3	413.8	422.5	426.2	429.8	435.7	440.1	443.7	443.0
160°	378.0	386.8	395.5	402.8	406.5	409.4	413.8	417.4	421.1	420.4
162.5°	362.0	370.0	377.3	382.4	385.3	387.5	391.9	395.5	397.7	397.7
165°	343.7	351.0	357.6	362.7	365.6	367.1	370.7	372.9	375.1	375.1
167.5°	324.8	330.6	336.4	340.8	343.7	345.2	348.8	350.3	353.2	352.5
170°	305.8	310.2	314.5	318.2	319.6	321.1	324.0	325.5	326.9	326.9
172.5°	290.5	291.9	294.1	297.0	297.0	297.8	299.2	299.9	300.7	300.7
175°	281.7	282.4	282.4	282.4	282.4	282.4	283.2	282.4	283.2	282.4
177.5°	278.1	278.1	277.3	277.3	276.6	277.3	276.6	275.9	275.9	275.1
180°	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6	276.6

(END OF REPORT)