

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: P395364

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395364  
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 (4500K)  
Description: CORELITE I3, CLEAR TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2820.3 lumens  
Efficiency: N/A  
Efficacy: 133.7 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

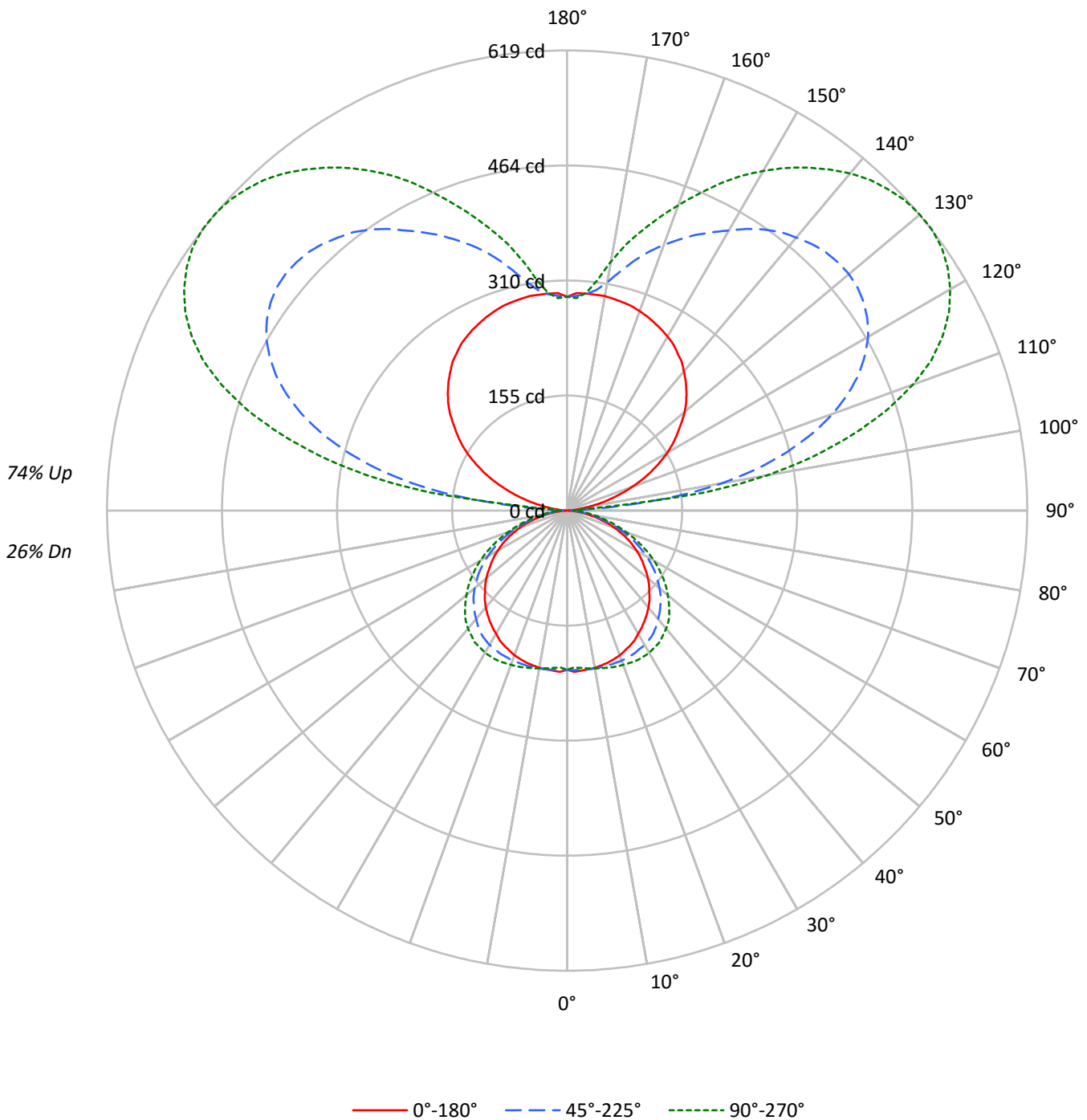
Input Watts (W): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)

### 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°	1176	1176	1176
5°	1189	1158	1139
10°	1190	1149	1136
15°	1191	1145	1142
20°	1193	1146	1152
25°	1192	1147	1167
30°	1184	1148	1175
35°	1182	1142	1177
40°	1178	1118	1162
45°	1165	1091	1133
50°	1155	1055	1082
55°	1131	1002	1020
60°	1104	931	942
65°	1058	836	834
70°	983	712	706
75°	849	566	568
80°	658	403	415
85°	386	248	278



TEST NUMBER: P395364

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.5	0.7
10°-20°	60.8	2.2
20°-30°	97.5	3.5
30°-40°	124.7	4.4
40°-50°	136.0	4.8
50°-60°	127.4	4.5
60°-70°	98.9	3.5
70°-80°	56.7	2.0
80°-90°	18.1	0.6
90°-100°	72.7	2.6
100°-110°	282.8	10.0
110°-120°	385.0	13.6
120°-130°	399.6	14.2
130°-140°	354.5	12.6
140°-150°	275.0	9.8
150°-160°	183.5	6.5
160°-170°	97.8	3.5
170°-180°	28.6	1.0
0°-30°	178.9	6.3
0°-40°	303.6	10.8
0°-60°	567.1	20.1
0°-90°	740.7	26.3
90°-120°	740.5	26.3
90°-150°	1769.6	62.7
90°-180°	2080.0	73.8
0°-180°	2820.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	216	214	215	214	212	21
15°	212	211	216	219	219	60
25°	200	202	212	220	222	92
35°	181	185	202	212	216	114
45°	156	163	178	189	194	121
55°	125	132	144	154	157	112
65°	89	93	101	108	110	88
75°	46	49	53	58	60	49
85°	9	11	16	20	21	11
90°	1	2	5	8	9	1
95°	9	52	71	14	14	12
105°	60	181	307	365	400	64
115°	125	280	433	508	558	123
125°	181	330	487	572	616	162
135°	227	348	492	577	611	175
145°	259	348	461	536	563	162
155°	278	329	409	464	485	129
165°	290	302	348	380	390	82
175°	293	291	292	294	294	28
180°	288	288	288	288	288	



TEST NUMBER: P395364

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	217.1	216.3	216.3	214.8	214.8	214.0	214.0	214.0	214.0	214.0	214.8
5°	216.3	216.3	215.5	214.8	214.8	214.0	214.0	214.0	214.0	214.0	214.8
7.5°	215.5	215.5	214.8	214.0	214.0	214.0	214.0	214.0	214.0	214.0	215.5
10°	214.8	214.8	214.0	213.3	213.3	213.3	213.3	214.0	214.0	214.0	215.5
12.5°	213.3	212.5	212.5	211.7	211.7	211.7	212.5	212.5	213.3	214.0	215.5
15°	211.7	211.7	211.0	210.2	211.0	211.0	211.0	211.7	212.5	213.3	215.5
17.5°	209.5	209.5	208.7	208.7	208.7	209.5	209.5	210.2	211.7	213.3	214.8
20°	207.2	206.4	206.4	206.4	207.2	207.2	207.9	209.5	210.2	212.5	214.8
22.5°	203.4	204.2	203.4	203.4	204.2	204.9	205.7	207.2	208.7	211.0	213.3
25°	200.4	200.4	200.4	200.4	201.9	201.9	203.4	204.9	207.2	209.5	212.5
27.5°	196.6	196.6	196.6	197.3	198.1	198.8	199.6	201.9	204.2	207.2	210.2
30°	191.2	191.2	191.2	191.2	193.5	194.3	195.8	198.8	201.1	204.9	208.7
32.5°	186.7	186.7	186.7	187.5	189.0	189.7	191.2	195.0	198.1	201.9	205.7
35°	181.4	181.4	182.1	182.1	184.4	185.2	186.7	189.7	192.8	197.3	201.9
37.5°	176.1	176.1	176.8	177.6	179.1	180.6	182.1	185.2	188.2	192.0	196.6
40°	170.0	170.0	170.8	171.5	173.8	175.3	176.8	179.9	182.9	186.7	190.5
42.5°	163.9	163.9	164.7	165.4	167.7	169.2	170.8	174.6	177.6	181.4	184.4
45°	156.3	157.1	157.9	159.4	161.7	163.2	164.7	167.7	171.5	174.6	177.6
47.5°	149.5	150.3	151.0	152.5	154.8	156.3	157.9	160.9	163.9	167.0	170.8
50°	141.9	142.7	143.4	145.0	147.2	148.7	150.3	153.3	156.3	158.6	162.4
52.5°	133.6	134.3	135.1	136.6	139.6	140.4	141.9	145.0	147.2	150.3	153.3
55°	125.2	126.0	126.7	128.3	130.5	132.1	132.8	135.8	138.1	141.2	144.2
57.5°	116.9	117.6	118.4	119.9	121.4	122.9	123.7	126.0	129.0	131.3	134.3
60°	107.8	108.5	109.3	110.0	112.3	113.1	113.8	116.1	118.4	121.4	123.7
62.5°	98.7	98.7	99.4	100.2	102.5	103.2	104.0	105.5	108.5	110.0	112.3
65°	88.8	88.8	89.6	90.3	91.8	92.6	93.3	94.9	97.1	98.7	100.9
67.5°	78.2	78.2	78.9	79.7	81.2	82.0	82.0	84.2	85.8	87.3	88.8
70°	68.3	68.3	69.1	69.1	69.8	70.6	71.3	72.9	73.6	75.9	76.7
72.5°	57.7	57.7	57.7	57.7	59.2	59.2	60.0	61.5	62.2	63.7	65.3
75°	46.3	46.3	47.1	47.1	47.8	48.6	49.3	50.1	51.6	52.4	53.1
77.5°	36.4	35.7	36.4	37.2	37.9	37.9	38.7	39.5	40.2	41.7	42.5
80°	25.8	25.8	25.8	26.6	27.3	27.3	28.1	28.8	29.6	31.1	31.9
82.5°	16.7	16.7	17.5	17.5	18.2	19.0	19.0	19.7	20.5	22.0	22.8
85°	9.1	9.1	9.1	9.9	10.6	10.6	11.4	12.1	13.7	14.4	15.9
87.5°	3.0	3.0	3.8	4.6	5.3	5.3	6.1	6.8	7.6	9.1	9.9
90°	0.8	0.8	0.8	1.5	1.5	2.3	2.3	3.0	3.8	4.6	5.3
92.5°	3.0	5.3	8.3	12.1	11.4	12.1	8.3	5.3	5.3	5.3	6.1
95°	9.1	13.7	22.0	34.9	45.5	51.6	56.9	62.2	72.9	73.6	70.6
97.5°	18.2	25.0	40.2	56.9	75.9	85.8	93.3	109.3	126.0	136.6	149.5
100°	30.4	40.2	60.0	82.7	104.7	117.6	129.8	152.5	173.0	191.2	211.0
102.5°	44.8	56.2	80.4	108.5	135.8	150.3	163.2	189.7	217.8	242.1	263.3
105°	60.0	72.9	101.7	133.6	164.7	181.4	197.3	226.2	255.8	282.3	307.4
107.5°	76.7	90.3	121.4	157.1	192.0	211.0	228.4	259.6	290.7	319.5	346.1
110°	92.6	107.8	140.4	179.1	218.6	237.5	255.0	289.2	321.8	352.1	380.2



TEST NUMBER: P395364

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	109.3	125.2	157.9	200.4	240.6	260.3	278.5	315.0	349.1	380.2	408.3
115°	125.2	140.4	174.6	218.6	259.6	280.0	299.8	337.0	372.6	403.7	432.6
117.5°	140.4	154.8	189.7	233.7	276.2	296.7	316.5	355.2	390.8	423.5	451.6
120°	155.6	168.5	206.4	246.7	289.9	310.4	330.9	369.6	406.0	438.7	467.5
122.5°	169.2	181.4	218.6	258.0	300.5	321.8	341.5	381.0	418.2	450.8	478.9
125°	181.4	192.8	230.0	267.1	309.6	330.1	350.6	389.3	426.5	458.4	487.2
127.5°	193.5	204.9	238.3	276.2	315.7	337.0	356.7	395.4	431.8	464.5	492.5
130°	206.4	214.8	246.7	284.6	321.8	341.5	362.0	399.2	434.9	466.7	494.8
132.5°	217.1	224.6	255.0	291.4	326.3	345.3	363.5	400.7	436.4	466.7	494.1
135°	226.9	233.0	261.1	297.5	330.1	347.6	365.0	400.0	434.9	465.2	491.8
137.5°	236.0	242.1	266.4	302.1	333.2	348.3	365.0	397.7	431.1	461.4	486.5
140°	244.4	248.9	270.9	304.3	334.7	349.1	363.5	393.9	425.0	454.6	479.6
142.5°	252.7	256.5	274.7	305.8	335.4	349.1	362.8	389.3	418.2	447.0	472.1
145°	258.8	262.6	277.8	306.6	334.7	347.6	359.7	384.8	410.6	437.1	461.4
147.5°	265.6	268.7	280.8	305.1	332.4	344.6	355.9	378.7	402.2	426.5	449.3
150°	270.2	273.2	282.3	303.6	328.6	340.0	351.4	372.6	393.9	415.1	434.9
152.5°	274.7	277.0	284.6	301.3	324.1	334.7	345.3	365.8	385.5	404.5	422.0
155°	278.5	280.8	286.1	299.8	318.7	328.6	338.5	358.2	376.4	393.1	409.1
157.5°	282.3	283.8	287.6	297.5	312.7	321.8	330.9	348.3	365.0	381.7	394.6
160°	285.4	286.1	289.2	296.7	307.4	314.2	322.5	338.5	353.7	368.1	380.2
162.5°	288.4	288.4	290.7	295.2	302.8	307.4	313.4	327.1	340.8	353.7	365.0
165°	289.9	289.9	291.4	294.5	299.0	302.1	305.8	315.0	325.6	337.0	347.6
167.5°	291.4	291.4	292.2	293.7	296.7	298.3	299.8	305.8	312.7	321.0	329.4
170°	292.9	292.2	292.2	293.7	294.5	295.2	296.0	299.0	302.1	307.4	311.9
172.5°	292.9	292.2	292.2	292.9	292.9	292.9	292.9	293.7	294.5	297.5	299.0
175°	292.9	292.2	292.2	292.2	292.2	291.4	291.4	291.4	291.4	291.4	292.2
177.5°	292.9	292.2	291.4	291.4	290.7	290.7	289.9	289.9	289.2	289.2	289.2
180°	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6



TEST NUMBER: P395364

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	214.8	214.8	214.0	214.0	213.3	213.3	212.5	211.7	211.0	211.0
5°	215.5	214.8	214.0	214.0	214.0	213.3	213.3	213.3	212.5	212.5
7.5°	215.5	215.5	215.5	214.8	214.8	214.8	214.8	214.8	214.0	214.0
10°	216.3	216.3	216.3	216.3	216.3	216.3	216.3	215.5	215.5	215.5
12.5°	216.3	216.3	216.3	217.1	217.1	217.1	217.1	217.1	217.1	217.1
15°	217.1	217.1	217.8	217.8	218.6	218.6	219.3	219.3	219.3	218.6
17.5°	216.3	217.1	217.8	218.6	219.3	219.3	220.1	220.1	220.1	220.1
20°	216.3	217.8	218.6	219.3	220.1	220.1	220.8	221.6	221.6	220.8
22.5°	215.5	217.1	217.8	219.3	220.1	220.1	221.6	221.6	221.6	221.6
25°	214.8	216.3	217.8	219.3	220.1	220.1	221.6	221.6	222.4	222.4
27.5°	213.3	214.8	217.1	218.6	219.3	220.1	220.8	221.6	221.6	221.6
30°	211.0	213.3	215.5	217.1	217.8	218.6	219.3	220.1	220.8	220.8
32.5°	207.9	210.2	212.5	214.8	215.5	216.3	217.8	218.6	218.6	218.6
35°	204.9	207.2	209.5	211.7	212.5	213.3	214.8	215.5	216.3	216.3
37.5°	200.4	202.6	204.9	207.2	207.9	209.5	211.0	211.7	211.7	211.7
40°	193.5	197.3	200.4	202.6	203.4	204.9	205.7	207.2	207.2	207.2
42.5°	187.5	190.5	192.8	195.8	196.6	198.8	200.4	201.1	201.9	201.9
45°	180.6	183.7	185.9	188.2	189.0	190.5	192.0	192.8	193.5	194.3
47.5°	173.8	176.1	178.3	180.6	181.4	182.9	184.4	185.2	185.9	185.9
50°	165.4	167.7	170.0	172.3	173.0	174.6	175.3	176.1	176.8	176.8
52.5°	156.3	158.6	160.9	163.2	163.9	164.7	166.2	167.0	167.7	167.7
55°	147.2	149.5	151.0	153.3	154.1	154.8	155.6	157.1	157.9	157.1
57.5°	136.6	138.9	140.4	142.7	143.4	144.2	145.0	145.7	146.5	146.5
60°	125.2	127.5	129.8	131.3	132.1	132.8	133.6	134.3	135.1	135.1
62.5°	113.8	116.1	117.6	119.9	120.7	120.7	121.4	122.2	122.9	122.9
65°	102.5	104.7	105.5	107.8	107.8	108.5	109.3	110.0	110.0	110.0
67.5°	90.3	92.6	93.3	94.9	94.9	95.6	96.4	97.1	97.1	97.1
70°	78.9	79.7	81.2	82.0	82.7	82.7	83.5	84.2	85.0	84.2
72.5°	66.8	67.5	69.1	69.8	69.8	70.6	70.6	71.3	72.1	72.1
75°	54.6	56.2	56.9	57.7	58.4	58.4	59.2	60.0	60.0	60.0
77.5°	43.3	44.8	45.5	46.3	47.1	47.1	47.8	47.8	48.6	47.8
80°	33.4	34.2	34.9	35.7	36.4	36.4	37.2	37.9	37.9	37.9
82.5°	24.3	25.0	26.6	27.3	27.3	27.3	28.8	28.8	29.6	28.8
85°	16.7	17.5	19.0	19.7	20.5	20.5	20.5	21.2	22.0	21.2
87.5°	10.6	12.1	12.9	13.7	13.7	13.7	14.4	15.2	15.2	15.2
90°	6.1	6.1	6.8	7.6	7.6	8.3	8.3	9.1	9.1	9.1
92.5°	6.1	6.8	6.8	6.8	7.6	7.6	7.6	8.3	8.3	8.3
95°	51.6	37.2	21.2	16.7	14.4	14.4	13.7	14.4	13.7	13.7
97.5°	156.3	169.2	175.3	183.7	188.2	187.5	184.4	187.5	185.2	187.5
100°	222.4	234.5	243.6	245.9	250.4	252.7	261.1	267.1	270.2	274.0
102.5°	276.2	290.7	301.3	307.4	311.9	315.0	324.8	333.9	338.5	341.5
105°	325.6	340.8	353.7	359.7	365.0	368.1	378.7	389.3	396.2	400.0
107.5°	365.0	382.5	396.2	405.3	410.6	415.9	428.8	439.4	447.8	451.6
110°	400.7	418.2	432.6	443.2	449.3	454.6	469.0	481.2	490.3	494.8





TEST NUMBER: P395364

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	430.3	449.3	463.7	475.1	481.2	488.7	502.4	516.1	525.2	530.5
115°	454.6	474.3	489.5	501.6	508.5	515.3	531.2	544.9	554.0	557.8
117.5°	475.1	494.8	510.8	522.9	530.5	538.1	554.0	566.2	576.0	579.1
120°	491.8	511.5	527.5	541.1	548.7	555.5	570.7	583.6	592.7	595.0
122.5°	503.2	523.7	540.4	555.5	562.4	569.2	583.6	596.5	604.9	607.1
125°	511.5	532.8	549.5	565.4	572.2	579.1	592.7	605.6	612.5	615.5
127.5°	516.8	538.1	556.3	571.5	579.1	585.1	598.8	610.2	617.0	619.3
130°	518.3	540.4	558.6	574.5	581.3	587.4	600.3	611.7	617.8	619.3
132.5°	518.3	539.6	558.6	573.7	580.6	586.6	598.8	609.4	615.5	617.0
135°	515.3	535.8	554.8	570.0	576.8	582.9	595.0	604.1	610.2	610.9
137.5°	510.0	529.7	547.9	563.1	570.0	576.0	586.6	596.5	601.8	603.3
140°	503.2	521.4	539.6	554.0	560.8	566.2	576.8	585.1	590.4	592.0
142.5°	494.1	512.3	529.0	543.4	548.7	554.8	563.9	572.2	576.8	578.3
145°	484.2	501.6	516.8	529.7	535.8	541.1	549.5	557.1	561.6	563.1
147.5°	471.3	488.7	503.2	515.3	520.6	525.9	533.5	540.4	544.9	546.4
150°	455.4	471.3	486.5	497.9	503.2	508.5	516.1	522.1	526.7	527.5
152.5°	439.4	454.6	467.5	478.9	484.2	489.5	496.3	502.4	507.7	507.7
155°	424.2	437.1	449.3	459.1	463.7	468.3	475.1	480.4	485.0	485.0
157.5°	408.3	420.4	430.3	439.4	443.2	447.0	453.1	457.6	461.4	460.7
160°	393.1	402.2	411.3	418.9	422.7	425.8	430.3	434.1	437.9	437.1
162.5°	376.4	384.8	392.4	397.7	400.7	403.0	407.5	411.3	413.6	413.6
165°	357.5	365.0	371.9	377.2	380.2	381.7	385.5	387.8	390.1	390.1
167.5°	337.7	343.8	349.9	354.4	357.5	359.0	362.8	364.3	367.3	366.6
170°	318.0	322.5	327.1	330.9	332.4	333.9	337.0	338.5	340.0	340.0
172.5°	302.1	303.6	305.8	308.9	308.9	309.6	311.2	311.9	312.7	312.7
175°	292.9	293.7	293.7	293.7	293.7	293.7	294.5	293.7	294.5	293.7
177.5°	289.2	289.2	288.4	288.4	287.6	288.4	287.6	286.9	286.9	286.1
180°	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6

(END OF REPORT)