

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: P395372

Luminaire Tested: **I3-CL-30L83050-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395372  
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-30L83050-1D-UNV-W2A-W-4 (5000K)  
Description: CORELITE I3, CLEAR TOP COVER  
3000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 3000K/5000K CCT, 80 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2948.0 lumens  
Efficiency: N/A  
Efficacy: 135.9 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

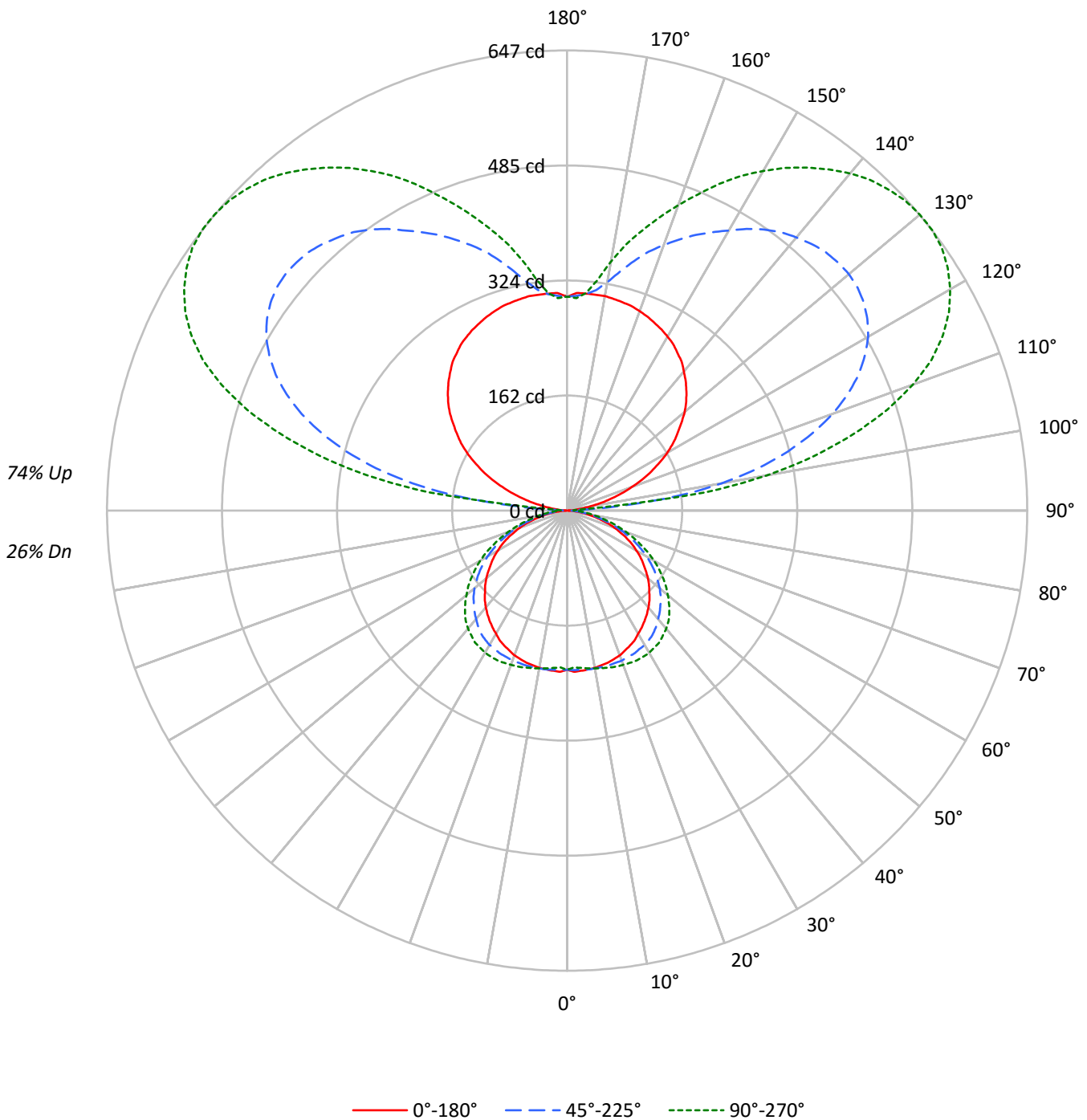
Input Watts (W): 21.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1230	1230	1230
5°	1243	1211	1191
10°	1244	1201	1188
15°	1245	1197	1194
20°	1248	1197	1204
25°	1245	1198	1220
30°	1238	1201	1228
35°	1235	1194	1230
40°	1231	1168	1214
45°	1218	1140	1184
50°	1207	1103	1131
55°	1183	1047	1066
60°	1153	973	984
65°	1106	874	872
70°	1027	744	739
75°	887	592	593
80°	688	420	435
85°	403	261	291



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.7
10°-20°	63.6	2.2
20°-30°	102.0	3.5
30°-40°	130.4	4.4
40°-50°	142.2	4.8
50°-60°	133.2	4.5
60°-70°	103.4	3.5
70°-80°	59.2	2.0
80°-90°	18.9	0.6
90°-100°	76.0	2.6
100°-110°	295.6	10.0
110°-120°	402.4	13.6
120°-130°	417.7	14.2
130°-140°	370.5	12.6
140°-150°	287.5	9.8
150°-160°	191.9	6.5
160°-170°	102.3	3.5
170°-180°	29.9	1.0
0°-30°	187.0	6.3
0°-40°	317.3	10.8
0°-60°	592.7	20.1
0°-90°	774.3	26.3
90°-120°	774.0	26.3
90°-150°	1849.7	62.7
90°-180°	2174.0	73.7
0°-180°	2948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	224	224	224	224	224	
5°	226	224	224	224	222	22
15°	221	220	225	228	228	63
25°	209	211	222	230	232	96
35°	190	194	211	222	226	119
45°	163	171	186	198	203	126
55°	131	138	151	161	164	117
65°	93	97	106	113	115	91
75°	48	51	56	61	63	52
85°	10	11	17	21	22	11
90°	1	2	6	8	10	1
95°	10	54	74	15	14	12
105°	63	190	321	382	418	67
115°	131	293	452	532	583	129
125°	190	345	509	598	643	170
135°	237	363	514	603	639	183
145°	270	363	482	560	589	169
155°	291	344	428	485	507	134
165°	303	316	363	397	408	86
175°	306	305	305	307	307	29
180°	301	301	301	301	301	



TEST NUMBER: P395372

CATALOG NUMBER: I3-CL-30L83050-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7
2.5°	226.9	226.1	226.1	224.5	224.5	223.7	223.7	223.7	223.7	223.7	224.5
5°	226.1	226.1	225.3	224.5	224.5	223.7	223.7	223.7	223.7	223.7	224.5
7.5°	225.3	225.3	224.5	223.7	223.7	223.7	223.7	223.7	223.7	223.7	225.3
10°	224.5	224.5	223.7	222.9	222.9	222.9	222.9	223.7	223.7	223.7	225.3
12.5°	222.9	222.1	222.1	221.3	221.3	221.3	222.1	222.1	222.9	223.7	225.3
15°	221.3	221.3	220.5	219.7	220.5	220.5	220.5	221.3	222.1	222.9	225.3
17.5°	218.9	218.9	218.2	218.2	218.2	218.9	218.9	219.7	221.3	222.9	224.5
20°	216.6	215.8	215.8	215.8	216.6	216.6	217.4	218.9	219.7	222.1	224.5
22.5°	212.6	213.4	212.6	212.6	213.4	214.2	215.0	216.6	218.2	220.5	222.9
25°	209.4	209.4	209.4	209.4	211.0	211.0	212.6	214.2	216.6	218.9	222.1
27.5°	205.5	205.5	205.5	206.3	207.0	207.8	208.6	211.0	213.4	216.6	219.7
30°	199.9	199.9	199.9	199.9	202.3	203.1	204.7	207.8	210.2	214.2	218.2
32.5°	195.1	195.1	195.1	195.9	197.5	198.3	199.9	203.9	207.0	211.0	215.0
35°	189.6	189.6	190.4	190.4	192.8	193.6	195.1	198.3	201.5	206.3	211.0
37.5°	184.0	184.0	184.8	185.6	187.2	188.8	190.4	193.6	196.7	200.7	205.5
40°	177.7	177.7	178.5	179.3	181.7	183.2	184.8	188.0	191.2	195.1	199.1
42.5°	171.3	171.3	172.1	172.9	175.3	176.9	178.5	182.5	185.6	189.6	192.8
45°	163.4	164.2	165.0	166.6	169.0	170.6	172.1	175.3	179.3	182.5	185.6
47.5°	156.3	157.1	157.9	159.5	161.8	163.4	165.0	168.2	171.3	174.5	178.5
50°	148.3	149.1	149.9	151.5	153.9	155.5	157.1	160.2	163.4	165.8	169.8
52.5°	139.6	140.4	141.2	142.8	146.0	146.8	148.3	151.5	153.9	157.1	160.2
55°	130.9	131.7	132.5	134.1	136.4	138.0	138.8	142.0	144.4	147.6	150.7
57.5°	122.2	123.0	123.8	125.3	126.9	128.5	129.3	131.7	134.9	137.2	140.4
60°	112.6	113.4	114.2	115.0	117.4	118.2	119.0	121.4	123.8	126.9	129.3
62.5°	103.1	103.1	103.9	104.7	107.1	107.9	108.7	110.3	113.4	115.0	117.4
65°	92.8	92.8	93.6	94.4	96.0	96.8	97.6	99.2	101.5	103.1	105.5
67.5°	81.7	81.7	82.5	83.3	84.9	85.7	85.7	88.1	89.6	91.2	92.8
70°	71.4	71.4	72.2	72.2	73.0	73.8	74.6	76.2	76.9	79.3	80.1
72.5°	60.3	60.3	60.3	60.3	61.9	61.9	62.7	64.3	65.0	66.6	68.2
75°	48.4	48.4	49.2	49.2	50.0	50.8	51.6	52.4	53.9	54.7	55.5
77.5°	38.1	37.3	38.1	38.9	39.7	39.7	40.5	41.3	42.0	43.6	44.4
80°	27.0	27.0	27.0	27.8	28.6	28.6	29.4	30.1	30.9	32.5	33.3
82.5°	17.5	17.5	18.2	18.2	19.0	19.8	19.8	20.6	21.4	23.0	23.8
85°	9.5	9.5	9.5	10.3	11.1	11.1	11.9	12.7	14.3	15.1	16.7
87.5°	3.2	3.2	4.0	4.8	5.6	5.6	6.3	7.1	7.9	9.5	10.3
90°	0.8	0.8	0.8	1.6	1.6	2.4	2.4	3.2	4.0	4.8	5.6
92.5°	3.2	5.6	8.7	12.7	11.9	12.7	8.7	5.6	5.6	5.6	6.3
95°	9.5	14.3	23.0	36.5	47.6	53.9	59.5	65.0	76.2	76.9	73.8
97.5°	19.0	26.2	42.0	59.5	79.3	89.6	97.6	114.2	131.7	142.8	156.3
100°	31.7	42.0	62.7	86.5	109.5	123.0	135.7	159.5	180.9	199.9	220.5
102.5°	46.8	58.7	84.1	113.4	142.0	157.1	170.6	198.3	227.7	253.1	275.3
105°	62.7	76.2	106.3	139.6	172.1	189.6	206.3	236.4	267.3	295.1	321.3
107.5°	80.1	94.4	126.9	164.2	200.7	220.5	238.8	271.3	303.8	334.0	361.7
110°	96.8	112.6	146.8	187.2	228.5	248.3	266.5	302.2	336.4	368.1	397.4



TEST NUMBER: P395372

CATALOG NUMBER: I3-CL-30L83050-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	114.2	130.9	165.0	209.4	251.5	272.1	291.1	329.2	364.9	397.4	426.8
115°	130.9	146.8	182.5	228.5	271.3	292.7	313.3	352.2	389.5	422.0	452.2
117.5°	146.8	161.8	198.3	244.3	288.8	310.2	330.8	371.3	408.5	442.7	472.0
120°	162.6	176.1	215.8	257.8	303.0	324.5	345.9	386.3	424.4	458.5	488.7
122.5°	176.9	189.6	228.5	269.7	314.1	336.4	357.0	398.2	437.1	471.2	500.6
125°	189.6	201.5	240.4	279.2	323.7	345.1	366.5	407.0	445.8	479.1	509.3
127.5°	202.3	214.2	249.1	288.8	330.0	352.2	372.8	413.3	451.4	485.5	514.8
130°	215.8	224.5	257.8	297.5	336.4	357.0	378.4	417.3	454.6	487.9	517.2
132.5°	226.9	234.8	266.5	304.6	341.1	360.9	380.0	418.9	456.1	487.9	516.4
135°	237.2	243.5	272.9	311.0	345.1	363.3	381.6	418.1	454.6	486.3	514.0
137.5°	246.7	253.1	278.4	315.7	348.3	364.1	381.6	415.7	450.6	482.3	508.5
140°	255.4	260.2	283.2	318.1	349.8	364.9	380.0	411.7	444.2	475.2	501.4
142.5°	264.2	268.1	287.2	319.7	350.6	364.9	379.2	407.0	437.1	467.2	493.4
145°	270.5	274.5	290.3	320.5	349.8	363.3	376.0	402.2	429.2	456.9	482.3
147.5°	277.6	280.8	293.5	318.9	347.5	360.2	372.1	395.8	420.4	445.8	469.6
150°	282.4	285.6	295.1	317.3	343.5	355.4	367.3	389.5	411.7	433.9	454.6
152.5°	287.2	289.5	297.5	314.9	338.7	349.8	360.9	382.4	403.0	422.8	441.1
155°	291.1	293.5	299.1	313.3	333.2	343.5	353.8	374.4	393.5	410.9	427.6
157.5°	295.1	296.7	300.7	311.0	326.8	336.4	345.9	364.1	381.6	399.0	412.5
160°	298.3	299.1	302.2	310.2	321.3	328.4	337.1	353.8	369.7	384.7	397.4
162.5°	301.4	301.4	303.8	308.6	316.5	321.3	327.6	341.9	356.2	369.7	381.6
165°	303.0	303.0	304.6	307.8	312.6	315.7	319.7	329.2	340.3	352.2	363.3
167.5°	304.6	304.6	305.4	307.0	310.2	311.8	313.3	319.7	326.8	335.6	344.3
170°	306.2	305.4	305.4	307.0	307.8	308.6	309.4	312.6	315.7	321.3	326.0
172.5°	306.2	305.4	305.4	306.2	306.2	306.2	306.2	307.0	307.8	311.0	312.6
175°	306.2	305.4	305.4	305.4	305.4	304.6	304.6	304.6	304.6	304.6	305.4
177.5°	306.2	305.4	304.6	304.6	303.8	303.8	303.0	303.0	302.2	302.2	302.2
180°	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7
2.5°	224.5	224.5	223.7	223.7	222.9	222.9	222.1	221.3	220.5	220.5
5°	225.3	224.5	223.7	223.7	223.7	222.9	222.9	222.9	222.1	222.1
7.5°	225.3	225.3	225.3	224.5	224.5	224.5	224.5	224.5	223.7	223.7
10°	226.1	226.1	226.1	226.1	226.1	226.1	226.1	225.3	225.3	225.3
12.5°	226.1	226.1	226.1	226.9	226.9	226.9	226.9	226.9	226.9	226.9
15°	226.9	226.9	227.7	227.7	228.5	228.5	229.3	229.3	229.3	228.5
17.5°	226.1	226.9	227.7	228.5	229.3	229.3	230.1	230.1	230.1	230.1
20°	226.1	227.7	228.5	229.3	230.1	230.1	230.8	231.6	231.6	230.8
22.5°	225.3	226.9	227.7	229.3	230.1	230.1	231.6	231.6	231.6	231.6
25°	224.5	226.1	227.7	229.3	230.1	230.1	231.6	231.6	232.4	232.4
27.5°	222.9	224.5	226.9	228.5	229.3	230.1	230.8	231.6	231.6	231.6
30°	220.5	222.9	225.3	226.9	227.7	228.5	229.3	230.1	230.8	230.8
32.5°	217.4	219.7	222.1	224.5	225.3	226.1	227.7	228.5	228.5	228.5
35°	214.2	216.6	218.9	221.3	222.1	222.9	224.5	225.3	226.1	226.1
37.5°	209.4	211.8	214.2	216.6	217.4	218.9	220.5	221.3	221.3	221.3
40°	202.3	206.3	209.4	211.8	212.6	214.2	215.0	216.6	216.6	216.6
42.5°	195.9	199.1	201.5	204.7	205.5	207.8	209.4	210.2	211.0	211.0
45°	188.8	192.0	194.4	196.7	197.5	199.1	200.7	201.5	202.3	203.1
47.5°	181.7	184.0	186.4	188.8	189.6	191.2	192.8	193.6	194.4	194.4
50°	172.9	175.3	177.7	180.1	180.9	182.5	183.2	184.0	184.8	184.8
52.5°	163.4	165.8	168.2	170.6	171.3	172.1	173.7	174.5	175.3	175.3
55°	153.9	156.3	157.9	160.2	161.0	161.8	162.6	164.2	165.0	164.2
57.5°	142.8	145.2	146.8	149.1	149.9	150.7	151.5	152.3	153.1	153.1
60°	130.9	133.3	135.7	137.2	138.0	138.8	139.6	140.4	141.2	141.2
62.5°	119.0	121.4	123.0	125.3	126.1	126.1	126.9	127.7	128.5	128.5
65°	107.1	109.5	110.3	112.6	112.6	113.4	114.2	115.0	115.0	115.0
67.5°	94.4	96.8	97.6	99.2	99.2	100.0	100.7	101.5	101.5	101.5
70°	82.5	83.3	84.9	85.7	86.5	86.5	87.3	88.1	88.8	88.1
72.5°	69.8	70.6	72.2	73.0	73.0	73.8	73.8	74.6	75.4	75.4
75°	57.1	58.7	59.5	60.3	61.1	61.1	61.9	62.7	62.7	62.7
77.5°	45.2	46.8	47.6	48.4	49.2	49.2	50.0	50.0	50.8	50.0
80°	34.9	35.7	36.5	37.3	38.1	38.1	38.9	39.7	39.7	39.7
82.5°	25.4	26.2	27.8	28.6	28.6	28.6	30.1	30.1	30.9	30.1
85°	17.5	18.2	19.8	20.6	21.4	21.4	21.4	22.2	23.0	22.2
87.5°	11.1	12.7	13.5	14.3	14.3	14.3	15.1	15.9	15.9	15.9
90°	6.3	6.3	7.1	7.9	7.9	8.7	8.7	9.5	9.5	9.5
92.5°	6.3	7.1	7.1	7.1	7.9	7.9	7.9	8.7	8.7	8.7
95°	53.9	38.9	22.2	17.5	15.1	15.1	14.3	15.1	14.3	14.3
97.5°	163.4	176.9	183.2	192.0	196.7	195.9	192.8	195.9	193.6	195.9
100°	232.4	245.1	254.6	257.0	261.8	264.2	272.9	279.2	282.4	286.4
102.5°	288.8	303.8	314.9	321.3	326.0	329.2	339.5	349.0	353.8	357.0
105°	340.3	356.2	369.7	376.0	381.6	384.7	395.8	407.0	414.1	418.1
107.5°	381.6	399.8	414.1	423.6	429.2	434.7	448.2	459.3	468.0	472.0
110°	418.9	437.1	452.2	463.3	469.6	475.2	490.3	502.9	512.5	517.2





TEST NUMBER: P395372

CATALOG NUMBER: I3-CL-30L83050-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	449.8	469.6	484.7	496.6	502.9	510.9	525.2	539.4	549.0	554.5
115°	475.2	495.8	511.7	524.4	531.5	538.6	555.3	569.6	579.1	583.1
117.5°	496.6	517.2	533.9	546.6	554.5	562.4	579.1	591.8	602.1	605.3
120°	514.0	534.7	551.3	565.6	573.5	580.7	596.6	610.0	619.6	621.9
122.5°	525.9	547.4	564.8	580.7	587.8	595.0	610.0	623.5	632.2	634.6
125°	534.7	556.9	574.3	591.0	598.1	605.3	619.6	633.0	640.2	643.4
127.5°	540.2	562.4	581.5	597.3	605.3	611.6	625.9	637.8	644.9	647.3
130°	541.8	564.8	583.9	600.5	607.7	614.0	627.5	639.4	645.7	647.3
132.5°	541.8	564.0	583.9	599.7	606.9	613.2	625.9	637.0	643.4	644.9
135°	538.6	560.1	579.9	595.8	602.9	609.2	621.9	631.5	637.8	638.6
137.5°	533.1	553.7	572.8	588.6	595.8	602.1	613.2	623.5	629.1	630.7
140°	525.9	545.0	564.0	579.1	586.2	591.8	602.9	611.6	617.2	618.8
142.5°	516.4	535.5	552.9	568.0	573.5	579.9	589.4	598.1	602.9	604.5
145°	506.1	524.4	540.2	553.7	560.1	565.6	574.3	582.3	587.0	588.6
147.5°	492.6	510.9	525.9	538.6	544.2	549.7	557.7	564.8	569.6	571.2
150°	476.0	492.6	508.5	520.4	525.9	531.5	539.4	545.8	550.5	551.3
152.5°	459.3	475.2	488.7	500.6	506.1	511.7	518.8	525.2	530.7	530.7
155°	443.4	456.9	469.6	479.9	484.7	489.5	496.6	502.1	506.9	506.9
157.5°	426.8	439.5	449.8	459.3	463.3	467.2	473.6	478.4	482.3	481.5
160°	410.9	420.4	430.0	437.9	441.9	445.0	449.8	453.8	457.7	456.9
162.5°	393.5	402.2	410.1	415.7	418.9	421.2	426.0	430.0	432.3	432.3
165°	373.6	381.6	388.7	394.3	397.4	399.0	403.0	405.4	407.7	407.7
167.5°	353.0	359.4	365.7	370.5	373.6	375.2	379.2	380.8	384.0	383.2
170°	332.4	337.1	341.9	345.9	347.5	349.0	352.2	353.8	355.4	355.4
172.5°	315.7	317.3	319.7	322.9	322.9	323.7	325.2	326.0	326.8	326.8
175°	306.2	307.0	307.0	307.0	307.0	307.0	307.8	307.0	307.8	307.0
177.5°	302.2	302.2	301.4	301.4	300.7	301.4	300.7	299.9	299.9	299.1
180°	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7	300.7

(END OF REPORT)