

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: P395366

Luminaire Tested: **I3-CL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395366
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 (5700K)
Description: CORELITE I3, CLEAR TOP COVER
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2895.2 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

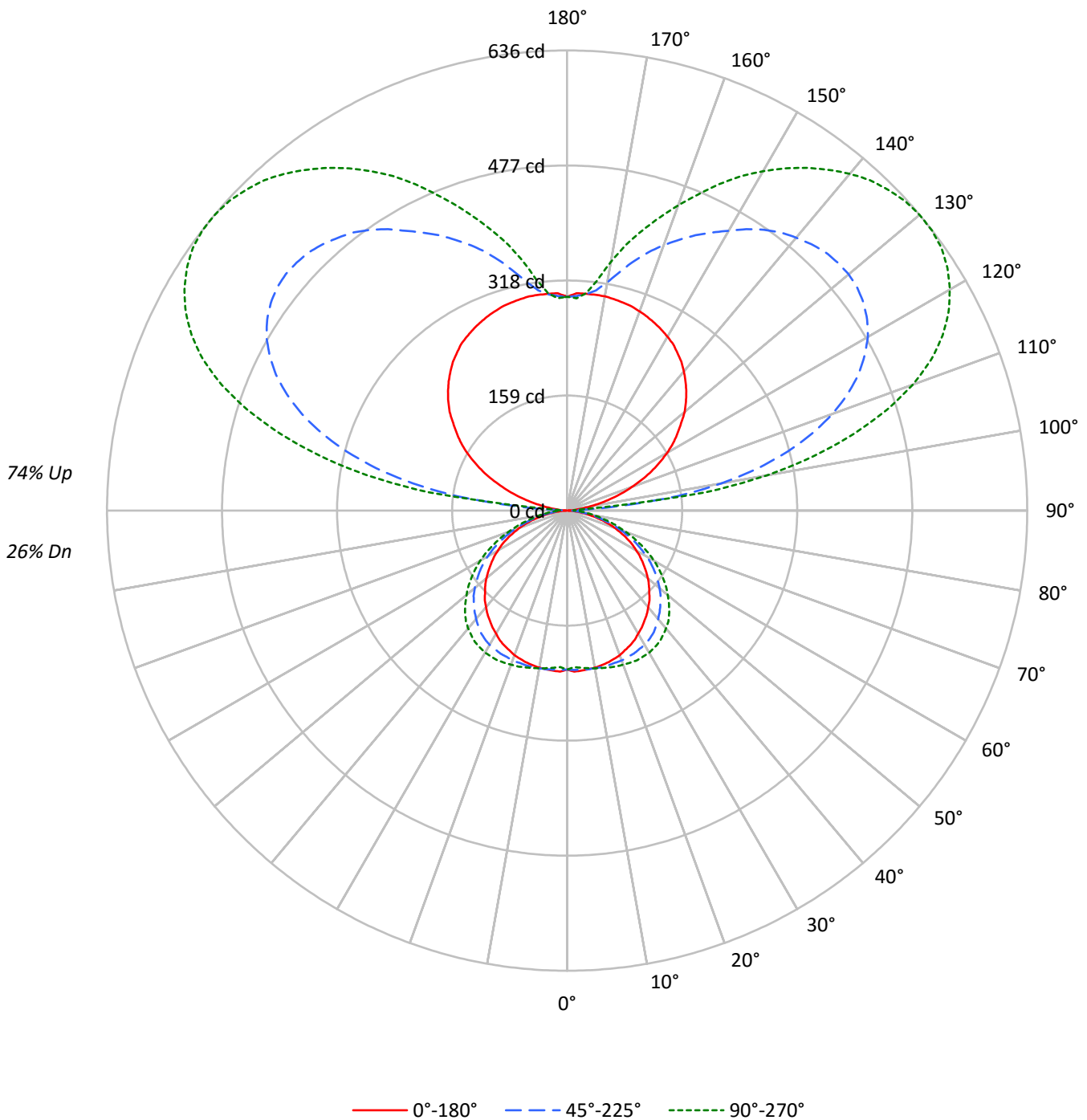
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1208	1208	1208
5°	1220	1189	1169
10°	1222	1180	1167
15°	1223	1176	1172
20°	1225	1176	1183
25°	1223	1177	1198
30°	1216	1179	1207
35°	1213	1172	1208
40°	1209	1148	1193
45°	1197	1119	1162
50°	1186	1083	1111
55°	1162	1028	1047
60°	1132	956	967
65°	1087	858	857
70°	1009	731	726
75°	870	581	582
80°	676	413	427
85°	395	256	286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.7
10°-20°	62.5	2.2
20°-30°	100.1	3.5
30°-40°	128.1	4.4
40°-50°	139.6	4.8
50°-60°	130.8	4.5
60°-70°	101.5	3.5
70°-80°	58.2	2.0
80°-90°	18.6	0.6
90°-100°	74.7	2.6
100°-110°	290.3	10.0
110°-120°	395.2	13.6
120°-130°	410.2	14.2
130°-140°	363.9	12.6
140°-150°	282.3	9.8
150°-160°	188.4	6.5
160°-170°	100.4	3.5
170°-180°	29.4	1.0
0°-30°	183.6	6.3
0°-40°	311.7	10.8
0°-60°	582.1	20.1
0°-90°	760.4	26.3
90°-120°	760.1	26.3
90°-150°	1816.6	62.7
90°-180°	2135.0	73.7
0°-180°	2895.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	220	220	220	220	220	
5°	222	220	220	220	218	21
15°	217	217	221	224	224	61
25°	206	207	218	226	228	95
35°	186	190	207	218	222	117
45°	160	168	182	194	199	124
55°	129	136	148	158	161	115
65°	91	95	104	111	113	90
75°	48	50	54	60	62	51
85°	9	11	16	21	22	11
90°	1	2	6	8	9	1
95°	9	53	72	15	14	12
105°	62	186	316	375	411	66
115°	129	288	444	522	573	127
125°	186	339	500	587	632	167
135°	233	357	505	592	627	180
145°	266	357	474	550	578	166
155°	286	337	420	476	498	132
165°	298	310	357	390	400	84
175°	301	299	300	302	302	29
180°	295	295	295	295	295	



TEST NUMBER: P395366

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7
2.5°	222.8	222.0	222.0	220.5	220.5	219.7	219.7	219.7	219.7	219.7	220.5
5°	222.0	222.0	221.3	220.5	220.5	219.7	219.7	219.7	219.7	219.7	220.5
7.5°	221.3	221.3	220.5	219.7	219.7	219.7	219.7	219.7	219.7	219.7	221.3
10°	220.5	220.5	219.7	218.9	218.9	218.9	218.9	219.7	219.7	219.7	221.3
12.5°	218.9	218.1	218.1	217.4	217.4	217.4	218.1	218.1	218.9	219.7	221.3
15°	217.4	217.4	216.6	215.8	216.6	216.6	216.6	217.4	218.1	218.9	221.3
17.5°	215.0	215.0	214.3	214.3	214.3	215.0	215.0	215.8	217.4	218.9	220.5
20°	212.7	211.9	211.9	211.9	212.7	212.7	213.5	215.0	215.8	218.1	220.5
22.5°	208.8	209.6	208.8	208.8	209.6	210.4	211.1	212.7	214.3	216.6	218.9
25°	205.7	205.7	205.7	205.7	207.2	207.2	208.8	210.4	212.7	215.0	218.1
27.5°	201.8	201.8	201.8	202.6	203.3	204.1	204.9	207.2	209.6	212.7	215.8
30°	196.3	196.3	196.3	196.3	198.7	199.4	201.0	204.1	206.5	210.4	214.3
32.5°	191.7	191.7	191.7	192.4	194.0	194.8	196.3	200.2	203.3	207.2	211.1
35°	186.2	186.2	187.0	187.0	189.3	190.1	191.7	194.8	197.9	202.6	207.2
37.5°	180.7	180.7	181.5	182.3	183.9	185.4	187.0	190.1	193.2	197.1	201.8
40°	174.5	174.5	175.3	176.1	178.4	180.0	181.5	184.6	187.8	191.7	195.6
42.5°	168.3	168.3	169.1	169.8	172.2	173.7	175.3	179.2	182.3	186.2	189.3
45°	160.5	161.3	162.1	163.6	165.9	167.5	169.1	172.2	176.1	179.2	182.3
47.5°	153.5	154.3	155.0	156.6	158.9	160.5	162.1	165.2	168.3	171.4	175.3
50°	145.7	146.5	147.2	148.8	151.1	152.7	154.3	157.4	160.5	162.8	166.7
52.5°	137.1	137.9	138.7	140.2	143.4	144.1	145.7	148.8	151.1	154.3	157.4
55°	128.6	129.3	130.1	131.7	134.0	135.6	136.3	139.5	141.8	144.9	148.0
57.5°	120.0	120.8	121.5	123.1	124.7	126.2	127.0	129.3	132.4	134.8	137.9
60°	110.6	111.4	112.2	113.0	115.3	116.1	116.9	119.2	121.5	124.7	127.0
62.5°	101.3	101.3	102.1	102.8	105.2	106.0	106.7	108.3	111.4	113.0	115.3
65°	91.2	91.2	91.9	92.7	94.3	95.0	95.8	97.4	99.7	101.3	103.6
67.5°	80.2	80.2	81.0	81.8	83.4	84.1	84.1	86.5	88.0	89.6	91.2
70°	70.1	70.1	70.9	70.9	71.7	72.5	73.2	74.8	75.6	77.9	78.7
72.5°	59.2	59.2	59.2	59.2	60.8	60.8	61.5	63.1	63.9	65.4	67.0
75°	47.5	47.5	48.3	48.3	49.1	49.9	50.6	51.4	53.0	53.8	54.5
77.5°	37.4	36.6	37.4	38.2	39.0	39.0	39.7	40.5	41.3	42.9	43.6
80°	26.5	26.5	26.5	27.3	28.0	28.0	28.8	29.6	30.4	31.9	32.7
82.5°	17.1	17.1	17.9	17.9	18.7	19.5	19.5	20.3	21.0	22.6	23.4
85°	9.3	9.3	9.3	10.1	10.9	10.9	11.7	12.5	14.0	14.8	16.4
87.5°	3.1	3.1	3.9	4.7	5.5	5.5	6.2	7.0	7.8	9.3	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°	9.3	14.0	22.6	35.8	46.7	53.0	58.4	63.9	74.8	75.6	72.5
97.5°	18.7	25.7	41.3	58.4	77.9	88.0	95.8	112.2	129.3	140.2	153.5
100°	31.2	41.3	61.5	84.9	107.5	120.8	133.2	156.6	177.6	196.3	216.6
102.5°	46.0	57.7	82.6	111.4	139.5	154.3	167.5	194.8	223.6	248.5	270.3
105°	61.5	74.8	104.4	137.1	169.1	186.2	202.6	232.2	262.6	289.8	315.5
107.5°	78.7	92.7	124.7	161.3	197.1	216.6	234.5	266.4	298.4	328.0	355.3
110°	95.0	110.6	144.1	183.9	224.4	243.9	261.8	296.8	330.3	361.5	390.3



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CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	112.2	128.6	162.1	205.7	247.0	267.2	285.9	323.3	358.4	390.3	419.2
115°	128.6	144.1	179.2	224.4	266.4	287.5	307.7	345.9	382.5	414.5	444.1
117.5°	144.1	158.9	194.8	240.0	283.6	304.6	324.9	364.6	401.2	434.7	463.6
120°	159.7	173.0	211.9	253.2	297.6	318.6	339.7	379.4	416.8	450.3	479.9
122.5°	173.7	186.2	224.4	264.9	308.5	330.3	350.6	391.1	429.3	462.8	491.6
125°	186.2	197.9	236.1	274.2	317.9	338.9	359.9	399.7	437.9	470.6	500.2
127.5°	198.7	210.4	244.6	283.6	324.1	345.9	366.2	405.9	443.3	476.8	505.6
130°	211.9	220.5	253.2	292.2	330.3	350.6	371.6	409.8	446.4	479.1	508.0
132.5°	222.8	230.6	261.8	299.2	335.0	354.5	373.2	411.4	448.0	479.1	507.2
135°	232.9	239.2	268.0	305.4	338.9	356.8	374.7	410.6	446.4	477.6	504.9
137.5°	242.3	248.5	273.5	310.1	342.0	357.6	374.7	408.2	442.5	473.7	499.4
140°	250.9	255.5	278.1	312.4	343.6	358.4	373.2	404.3	436.3	466.7	492.4
142.5°	259.4	263.3	282.0	314.0	344.4	358.4	372.4	399.7	429.3	458.9	484.6
145°	265.7	269.6	285.1	314.8	343.6	356.8	369.3	395.0	421.5	448.8	473.7
147.5°	272.7	275.8	288.3	313.2	341.2	353.7	365.4	388.8	412.9	437.9	461.2
150°	277.4	280.5	289.8	311.6	337.3	349.0	360.7	382.5	404.3	426.2	446.4
152.5°	282.0	284.4	292.2	309.3	332.7	343.6	354.5	375.5	395.8	415.3	433.2
155°	285.9	288.3	293.7	307.7	327.2	337.3	347.5	367.7	386.4	403.6	419.9
157.5°	289.8	291.4	295.3	305.4	321.0	330.3	339.7	357.6	374.7	391.9	405.1
160°	292.9	293.7	296.8	304.6	315.5	322.5	331.1	347.5	363.1	377.9	390.3
162.5°	296.1	296.1	298.4	303.1	310.9	315.5	321.8	335.8	349.8	363.1	374.7
165°	297.6	297.6	299.2	302.3	307.0	310.1	314.0	323.3	334.2	345.9	356.8
167.5°	299.2	299.2	300.0	301.5	304.6	306.2	307.7	314.0	321.0	329.6	338.1
170°	300.7	300.0	300.0	301.5	302.3	303.1	303.8	307.0	310.1	315.5	320.2
172.5°	300.7	300.0	300.0	300.7	300.7	300.7	300.7	301.5	302.3	305.4	307.0
175°	300.7	300.0	300.0	300.0	300.0	299.2	299.2	299.2	299.2	299.2	300.0
177.5°	300.7	300.0	299.2	299.2	298.4	298.4	297.6	297.6	296.8	296.8	296.8
180°	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7	219.7
2.5°	220.5	220.5	219.7	219.7	218.9	218.9	218.1	217.4	216.6	216.6
5°	221.3	220.5	219.7	219.7	219.7	218.9	218.9	218.9	218.1	218.1
7.5°	221.3	221.3	221.3	220.5	220.5	220.5	220.5	220.5	219.7	219.7
10°	222.0	222.0	222.0	222.0	222.0	222.0	222.0	221.3	221.3	221.3
12.5°	222.0	222.0	222.0	222.8	222.8	222.8	222.8	222.8	222.8	222.8
15°	222.8	222.8	223.6	223.6	224.4	224.4	225.2	225.2	225.2	224.4
17.5°	222.0	222.8	223.6	224.4	225.2	225.2	225.9	225.9	225.9	225.9
20°	222.0	223.6	224.4	225.2	225.9	225.9	226.7	227.5	227.5	226.7
22.5°	221.3	222.8	223.6	225.2	225.9	225.9	227.5	227.5	227.5	227.5
25°	220.5	222.0	223.6	225.2	225.9	225.9	227.5	227.5	228.3	228.3
27.5°	218.9	220.5	222.8	224.4	225.2	225.9	226.7	227.5	227.5	227.5
30°	216.6	218.9	221.3	222.8	223.6	224.4	225.2	225.9	226.7	226.7
32.5°	213.5	215.8	218.1	220.5	221.3	222.0	223.6	224.4	224.4	224.4
35°	210.4	212.7	215.0	217.4	218.1	218.9	220.5	221.3	222.0	222.0
37.5°	205.7	208.0	210.4	212.7	213.5	215.0	216.6	217.4	217.4	217.4
40°	198.7	202.6	205.7	208.0	208.8	210.4	211.1	212.7	212.7	212.7
42.5°	192.4	195.6	197.9	201.0	201.8	204.1	205.7	206.5	207.2	207.2
45°	185.4	188.5	190.9	193.2	194.0	195.6	197.1	197.9	198.7	199.4
47.5°	178.4	180.7	183.1	185.4	186.2	187.8	189.3	190.1	190.9	190.9
50°	169.8	172.2	174.5	176.9	177.6	179.2	180.0	180.7	181.5	181.5
52.5°	160.5	162.8	165.2	167.5	168.3	169.1	170.6	171.4	172.2	172.2
55°	151.1	153.5	155.0	157.4	158.2	158.9	159.7	161.3	162.1	161.3
57.5°	140.2	142.6	144.1	146.5	147.2	148.0	148.8	149.6	150.4	150.4
60°	128.6	130.9	133.2	134.8	135.6	136.3	137.1	137.9	138.7	138.7
62.5°	116.9	119.2	120.8	123.1	123.9	123.9	124.7	125.4	126.2	126.2
65°	105.2	107.5	108.3	110.6	110.6	111.4	112.2	113.0	113.0	113.0
67.5°	92.7	95.0	95.8	97.4	97.4	98.2	98.9	99.7	99.7	99.7
70°	81.0	81.8	83.4	84.1	84.9	84.9	85.7	86.5	87.3	86.5
72.5°	68.6	69.3	70.9	71.7	71.7	72.5	72.5	73.2	74.0	74.0
75°	56.1	57.7	58.4	59.2	60.0	60.0	60.8	61.5	61.5	61.5
77.5°	44.4	46.0	46.7	47.5	48.3	48.3	49.1	49.1	49.9	49.1
80°	34.3	35.1	35.8	36.6	37.4	37.4	38.2	39.0	39.0	39.0
82.5°	24.9	25.7	27.3	28.0	28.0	28.0	29.6	29.6	30.4	29.6
85°	17.1	17.9	19.5	20.3	21.0	21.0	21.0	21.8	22.6	21.8
87.5°	10.9	12.5	13.2	14.0	14.0	14.0	14.8	15.6	15.6	15.6
90°	6.2	6.2	7.0	7.8	7.8	8.6	8.6	9.3	9.3	9.3
92.5°	6.2	7.0	7.0	7.0	7.8	7.8	7.8	8.6	8.6	8.6
95°	53.0	38.2	21.8	17.1	14.8	14.8	14.0	14.8	14.0	14.0
97.5°	160.5	173.7	180.0	188.5	193.2	192.4	189.3	192.4	190.1	192.4
100°	228.3	240.7	250.1	252.4	257.1	259.4	268.0	274.2	277.4	281.3
102.5°	283.6	298.4	309.3	315.5	320.2	323.3	333.5	342.8	347.5	350.6
105°	334.2	349.8	363.1	369.3	374.7	377.9	388.8	399.7	406.7	410.6
107.5°	374.7	392.7	406.7	416.0	421.5	426.9	440.2	451.1	459.7	463.6
110°	411.4	429.3	444.1	455.0	461.2	466.7	481.5	493.9	503.3	508.0



TEST NUMBER: P395366

CATALOG NUMBER: I3-CL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	441.7	461.2	476.0	487.7	493.9	501.7	515.8	529.8	539.1	544.6
115°	466.7	486.9	502.5	515.0	522.0	529.0	545.4	559.4	568.7	572.6
117.5°	487.7	508.0	524.3	536.8	544.6	552.4	568.7	581.2	591.3	594.4
120°	504.9	525.1	541.5	555.5	563.3	570.3	585.9	599.1	608.5	610.8
122.5°	516.5	537.6	554.7	570.3	577.3	584.3	599.1	612.4	620.9	623.3
125°	525.1	546.9	564.1	580.4	587.4	594.4	608.5	621.7	628.7	631.8
127.5°	530.6	552.4	571.1	586.7	594.4	600.7	614.7	626.4	633.4	635.7
130°	532.1	554.7	573.4	589.8	596.8	603.0	616.3	627.9	634.2	635.7
132.5°	532.1	553.9	573.4	589.0	596.0	602.2	614.7	625.6	631.8	633.4
135°	529.0	550.0	569.5	585.1	592.1	598.3	610.8	620.2	626.4	627.2
137.5°	523.6	543.8	562.5	578.1	585.1	591.3	602.2	612.4	617.8	619.4
140°	516.5	535.2	553.9	568.7	575.7	581.2	592.1	600.7	606.1	607.7
142.5°	507.2	525.9	543.0	557.8	563.3	569.5	578.9	587.4	592.1	593.7
145°	497.1	515.0	530.6	543.8	550.0	555.5	564.1	571.9	576.5	578.1
147.5°	483.8	501.7	516.5	529.0	534.5	539.9	547.7	554.7	559.4	560.9
150°	467.5	483.8	499.4	511.1	516.5	522.0	529.8	536.0	540.7	541.5
152.5°	451.1	466.7	479.9	491.6	497.1	502.5	509.5	515.8	521.2	521.2
155°	435.5	448.8	461.2	471.4	476.0	480.7	487.7	493.2	497.8	497.8
157.5°	419.2	431.6	441.7	451.1	455.0	458.9	465.1	469.8	473.7	472.9
160°	403.6	412.9	422.3	430.1	434.0	437.1	441.7	445.6	449.5	448.8
162.5°	386.4	395.0	402.8	408.2	411.4	413.7	418.4	422.3	424.6	424.6
165°	367.0	374.7	381.8	387.2	390.3	391.9	395.8	398.1	400.5	400.5
167.5°	346.7	352.9	359.2	363.8	367.0	368.5	372.4	374.0	377.1	376.3
170°	326.4	331.1	335.8	339.7	341.2	342.8	345.9	347.5	349.0	349.0
172.5°	310.1	311.6	314.0	317.1	317.1	317.9	319.4	320.2	321.0	321.0
175°	300.7	301.5	301.5	301.5	301.5	301.5	302.3	301.5	302.3	301.5
177.5°	296.8	296.8	296.1	296.1	295.3	296.1	295.3	294.5	294.5	293.7
180°	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3	295.3

(END OF REPORT)