

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: P395682

Luminaire Tested: **I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395682
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, OPEN TOP
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3191.1 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.54 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Indirect

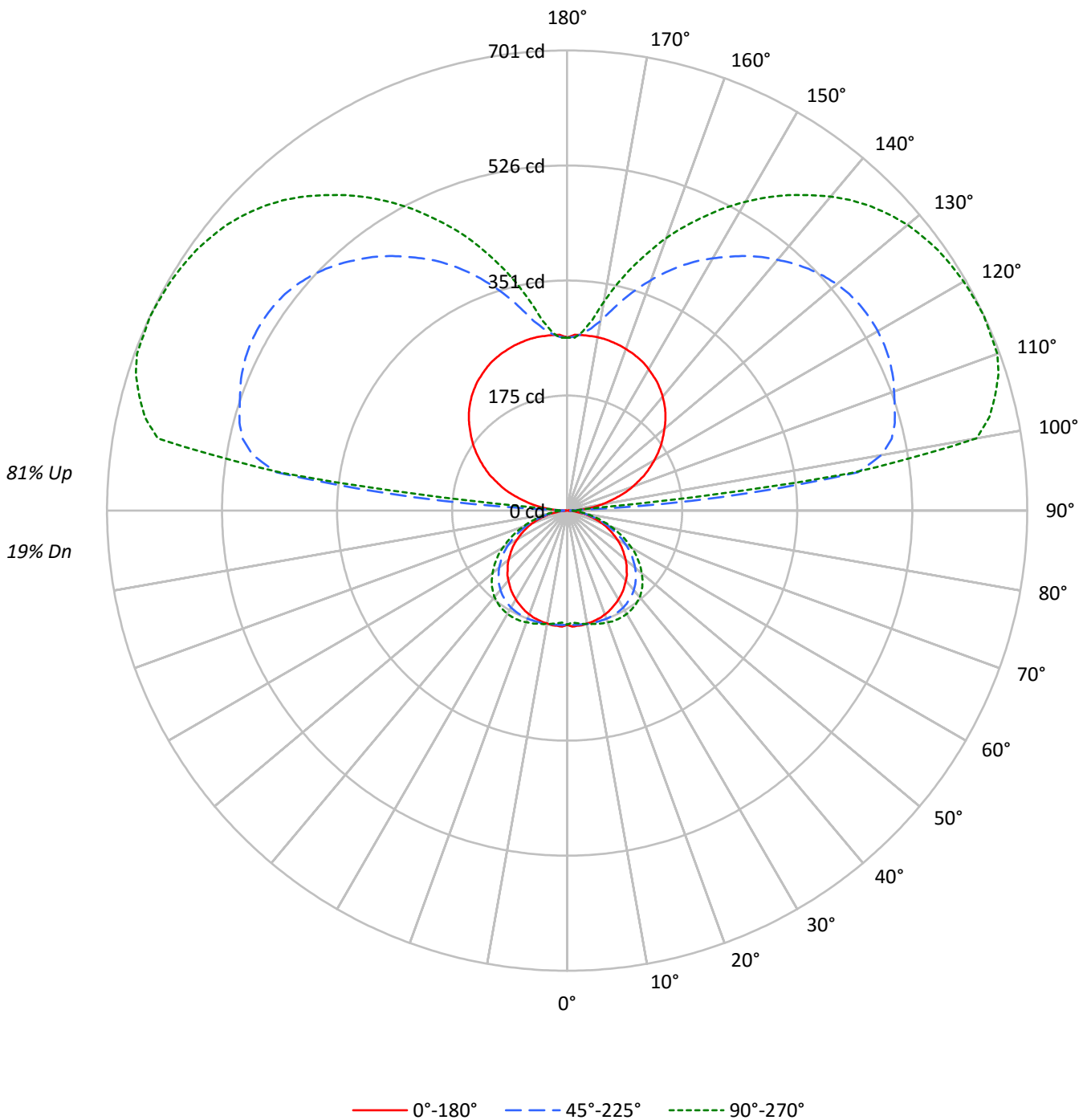
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	955	955	955
5°	969	941	923
10°	967	935	925
15°	969	932	932
20°	969	935	944
25°	968	938	958
30°	969	939	967
35°	968	935	971
40°	964	928	966
45°	956	908	944
50°	947	879	909
55°	930	836	858
60°	902	775	789
65°	863	691	704
70°	814	599	594
75°	706	469	476
80°	561	337	345
85°	335	197	227



TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.5
10°-20°	49.6	1.6
20°-30°	79.8	2.5
30°-40°	102.7	3.2
40°-50°	112.8	3.5
50°-60°	106.0	3.3
60°-70°	82.3	2.6
70°-80°	47.2	1.5
80°-90°	15.1	0.5
90°-100°	204.0	6.4
100°-110°	484.8	15.2
110°-120°	487.0	15.3
120°-130°	446.6	14.0
130°-140°	373.4	11.7
140°-150°	280.3	8.8
150°-160°	182.5	5.7
160°-170°	94.0	2.9
170°-180°	26.6	0.8
0°-30°	146.0	4.6
0°-40°	248.7	7.8
0°-60°	467.4	14.6
0°-90°	612.1	19.2
90°-120°	1175.7	36.8
90°-150°	2276.0	71.3
90°-180°	2579.0	80.8
0°-180°	3191.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	174	174	174	174	174	
5°	176	175	175	174	172	17
15°	172	171	175	178	178	49
25°	163	164	174	180	182	75
35°	149	153	165	175	178	93
45°	128	134	148	159	162	99
55°	103	108	120	129	132	92
65°	72	76	83	90	93	72
75°	38	40	44	49	50	41
85°	8	9	13	16	17	9
90°	1	2	5	7	8	2
95°	28	228	234	32	27	27
105°	79	306	517	637	675	84
115°	131	344	542	659	701	129
125°	175	359	545	653	690	156
135°	212	358	521	619	655	163
145°	239	343	473	556	587	149
155°	256	315	411	471	494	118
165°	266	284	334	370	384	75
175°	268	267	270	274	274	26
180°	264	264	264	264	264	



TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8
2.5°	177.0	176.2	175.4	175.4	174.6	174.6	174.6	173.8	173.8	173.8	174.6
5°	176.2	176.2	175.4	174.6	174.6	174.6	173.8	173.8	173.8	173.8	174.6
7.5°	176.2	175.4	174.6	174.6	173.8	173.8	173.8	173.8	173.8	173.8	174.6
10°	174.6	174.6	173.8	173.8	173.0	173.8	173.8	173.8	173.8	173.8	175.4
12.5°	173.8	173.8	173.0	172.2	172.2	172.2	173.0	173.0	173.0	173.8	175.4
15°	172.2	172.2	171.4	171.4	171.4	171.4	172.2	172.2	173.0	173.8	175.4
17.5°	170.7	170.7	169.9	169.9	169.9	170.7	170.7	171.4	172.2	173.8	175.4
20°	168.3	168.3	168.3	168.3	168.3	169.1	169.1	169.9	171.4	173.0	175.4
22.5°	165.9	165.9	165.9	165.9	165.9	166.7	167.5	169.1	169.9	172.2	174.6
25°	162.8	162.8	162.8	162.8	163.6	164.4	165.2	166.7	168.3	170.7	173.8
27.5°	159.6	160.4	160.4	160.4	161.2	162.0	162.8	164.4	166.7	169.9	172.2
30°	156.5	156.5	156.5	157.3	158.1	158.9	160.4	162.0	164.4	167.5	170.7
32.5°	152.6	152.6	153.4	153.4	154.9	155.7	157.3	159.6	162.0	165.2	168.3
35°	148.6	148.6	148.6	150.2	151.0	152.6	153.4	155.7	158.9	162.0	165.2
37.5°	143.9	144.7	144.7	145.5	147.1	148.6	149.4	152.6	155.7	158.9	162.0
40°	139.2	140.0	140.0	140.8	143.1	143.9	145.5	148.6	151.0	154.9	158.1
42.5°	134.5	134.5	135.3	136.1	138.4	139.2	140.8	143.9	147.1	150.2	153.4
45°	128.2	129.0	129.8	130.6	132.9	134.5	136.1	138.4	141.6	144.7	147.9
47.5°	122.7	122.7	123.5	125.0	127.4	129.0	129.8	132.9	135.3	138.4	141.6
50°	116.4	117.2	117.2	118.8	121.1	122.7	123.5	126.6	129.0	132.1	135.3
52.5°	109.3	110.1	110.9	112.5	114.8	116.4	117.2	119.5	121.9	125.0	127.4
55°	103.0	103.8	103.8	105.4	107.7	108.5	110.1	111.7	114.8	117.2	120.3
57.5°	95.9	96.7	96.7	98.3	99.9	101.5	102.2	104.6	107.0	109.3	111.7
60°	88.1	88.9	89.7	90.4	92.0	93.6	94.4	95.9	98.3	100.7	103.0
62.5°	80.2	81.0	81.8	82.6	84.2	84.9	85.7	88.1	89.7	92.0	93.6
65°	72.4	73.1	73.9	74.7	75.5	76.3	77.1	78.6	80.2	82.6	83.4
67.5°	64.5	65.3	65.3	66.1	66.8	67.6	68.4	70.0	70.8	73.1	73.9
70°	56.6	56.6	56.6	57.4	57.4	58.2	59.0	60.6	61.3	62.9	64.5
72.5°	47.2	48.0	48.0	48.0	48.8	49.5	50.3	51.1	51.9	52.7	54.3
75°	38.5	39.3	38.5	39.3	40.1	40.1	40.9	41.7	42.5	43.3	44.0
77.5°	30.7	29.9	30.7	30.7	31.5	31.5	31.5	32.2	33.8	33.8	35.4
80°	22.0	22.0	22.0	22.0	22.8	22.8	23.6	23.6	25.2	26.0	26.7
82.5°	14.2	14.2	14.9	14.9	14.9	15.7	15.7	16.5	17.3	18.1	18.9
85°	7.9	7.9	7.9	8.7	8.7	9.4	9.4	10.2	11.0	11.8	12.6
87.5°	2.4	3.1	3.9	3.9	4.7	4.7	5.5	5.5	7.1	7.9	8.7
90°	0.8	0.8	1.6	1.6	1.6	2.4	2.4	3.1	3.1	3.9	4.7
92.5°	13.4	31.5	65.3	97.5	84.2	78.6	47.2	14.2	12.6	13.4	13.4
95°	27.5	51.9	95.2	154.1	199.8	228.1	246.9	283.1	320.1	313.8	234.4
97.5°	40.1	66.8	114.8	169.1	232.0	264.2	288.6	331.9	379.1	418.4	446.7
100°	52.7	80.2	131.3	188.0	246.2	275.3	303.6	362.6	409.0	448.3	486.0
102.5°	66.1	93.6	146.3	205.3	262.7	291.0	318.5	370.4	422.3	469.5	506.5
105°	79.4	107.7	159.6	220.2	277.6	305.9	332.7	382.2	430.2	474.2	516.7
107.5°	93.6	120.3	171.4	232.0	289.4	317.7	344.5	394.0	440.4	484.5	523.0
110°	106.2	132.1	183.2	243.0	300.4	328.7	355.5	405.0	450.6	492.3	530.1



TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	118.0	143.1	194.3	252.5	309.1	337.4	363.3	412.9	458.5	499.4	537.1
115°	131.3	153.4	205.3	261.1	316.9	344.5	370.4	419.2	464.8	504.9	541.9
117.5°	142.3	163.6	214.7	268.2	323.2	350.0	375.1	423.9	468.7	508.8	545.0
120°	153.4	173.0	223.4	274.5	327.9	353.9	379.1	427.0	471.9	511.2	546.6
122.5°	164.4	182.5	230.4	280.8	331.9	357.8	382.2	429.4	473.4	512.0	546.6
125°	174.6	190.3	236.7	285.5	334.2	359.4	383.0	429.4	472.7	510.4	545.0
127.5°	184.0	199.0	241.4	290.2	335.8	360.2	383.0	427.8	471.1	508.0	541.9
130°	193.5	206.8	246.2	292.6	337.4	359.4	381.4	424.7	467.2	504.1	536.4
132.5°	202.9	215.5	250.1	294.9	338.2	359.4	379.9	421.5	462.4	498.6	529.3
135°	211.6	221.8	254.0	296.5	337.4	357.8	376.7	416.0	455.4	490.7	520.6
137.5°	219.4	228.1	257.2	297.3	336.6	355.5	374.4	409.7	446.7	481.3	510.4
140°	226.5	234.4	258.7	297.3	333.5	352.3	369.6	403.4	437.3	470.3	498.6
142.5°	232.8	239.9	261.1	295.7	330.3	348.4	364.9	397.2	427.8	459.3	486.8
145°	239.1	244.6	262.7	294.9	326.4	342.9	358.6	389.3	419.2	447.5	473.4
147.5°	243.8	249.3	264.2	291.8	321.7	336.6	351.5	380.6	408.2	434.9	458.5
150°	248.5	253.2	265.0	288.6	316.2	329.5	342.9	370.4	397.2	421.5	443.6
152.5°	253.2	256.4	267.4	285.5	309.9	322.4	335.8	360.2	384.6	407.4	428.6
155°	256.4	258.7	268.2	282.3	303.6	314.6	325.6	348.4	370.4	391.7	411.3
157.5°	259.5	261.9	269.0	280.0	296.5	306.7	316.2	335.8	356.3	375.1	393.2
160°	261.9	263.5	269.0	278.4	290.2	297.3	305.9	324.0	341.3	357.8	373.6
162.5°	264.2	265.0	269.0	276.0	284.7	289.4	295.7	309.9	325.6	339.7	353.9
165°	265.8	266.6	269.0	274.5	280.0	283.9	287.1	297.3	309.1	321.7	333.5
167.5°	267.4	267.4	269.0	272.9	276.0	278.4	280.8	286.3	294.1	303.6	312.2
170°	268.2	268.2	269.0	271.3	273.7	274.5	276.0	279.2	283.1	287.8	293.3
172.5°	268.2	268.2	268.2	269.8	270.5	270.5	270.5	272.1	274.5	277.6	280.0
175°	268.2	267.4	267.4	268.2	267.4	267.4	267.4	267.4	268.2	269.8	270.5
177.5°	268.2	267.4	266.6	266.6	265.8	265.8	265.0	265.0	265.0	265.0	265.0
180°	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5



TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8	173.8
2.5°	174.6	174.6	173.8	173.0	173.0	173.0	172.2	171.4	170.7	170.7
5°	174.6	174.6	173.8	173.8	173.8	173.8	173.0	173.0	172.2	172.2
7.5°	175.4	174.6	174.6	174.6	174.6	174.6	174.6	174.6	173.8	173.8
10°	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4	175.4
12.5°	176.2	176.2	176.2	176.2	177.0	177.0	177.0	177.0	177.0	177.0
15°	176.2	177.0	177.7	177.7	177.7	178.5	178.5	178.5	178.5	178.5
17.5°	177.0	177.7	178.5	178.5	179.3	179.3	180.1	180.1	180.1	180.1
20°	177.0	177.7	178.5	179.3	180.1	180.1	180.9	181.7	181.7	180.9
22.5°	176.2	177.7	178.5	179.3	180.1	180.9	181.7	182.5	182.5	182.5
25°	175.4	177.0	178.5	180.1	180.1	180.9	182.5	182.5	182.5	182.5
27.5°	174.6	176.2	177.7	179.3	180.1	180.9	181.7	182.5	182.5	182.5
30°	173.0	175.4	177.0	178.5	179.3	180.1	180.9	181.7	181.7	181.7
32.5°	170.7	173.0	174.6	177.0	177.7	178.5	179.3	180.1	180.1	180.1
35°	168.3	170.7	172.2	174.6	175.4	176.2	177.7	177.7	178.5	178.5
37.5°	164.4	167.5	169.1	171.4	172.2	173.0	174.6	175.4	175.4	175.4
40°	160.4	163.6	165.2	167.5	168.3	169.1	170.7	171.4	172.2	172.2
42.5°	155.7	158.9	160.4	162.8	163.6	164.4	165.9	166.7	167.5	167.5
45°	151.0	153.4	154.9	157.3	158.9	158.9	160.4	161.2	162.0	162.0
47.5°	144.7	147.1	148.6	151.0	152.6	153.4	154.1	154.9	155.7	155.7
50°	137.6	140.0	142.3	143.9	145.5	145.5	147.1	147.9	148.6	148.6
52.5°	130.6	132.1	134.5	136.8	137.6	138.4	139.2	140.0	140.8	140.8
55°	122.7	124.3	126.6	128.2	129.0	129.8	130.6	131.3	132.1	132.1
57.5°	114.0	115.6	118.0	119.5	120.3	121.1	121.9	122.7	123.5	123.5
60°	104.6	106.2	108.5	110.1	110.9	110.9	112.5	113.2	113.2	113.2
62.5°	95.2	96.7	98.3	99.9	100.7	101.5	102.2	103.0	103.0	103.0
65°	85.7	87.3	88.9	89.7	90.4	90.4	91.2	92.0	92.8	92.8
67.5°	75.5	77.1	78.6	79.4	80.2	80.2	81.0	81.8	81.8	81.8
70°	65.3	66.1	67.6	68.4	69.2	69.2	70.8	70.8	70.8	70.8
72.5°	55.1	55.8	57.4	58.2	59.0	59.0	59.8	60.6	60.6	60.6
75°	45.6	46.4	47.2	48.8	48.8	48.8	49.5	50.3	50.3	50.3
77.5°	36.2	37.0	37.7	38.5	39.3	39.3	40.1	40.9	40.9	40.9
80°	27.5	28.3	29.1	29.9	29.9	30.7	30.7	31.5	31.5	31.5
82.5°	19.7	20.4	21.2	22.0	22.8	22.8	23.6	24.4	24.4	23.6
85°	13.4	14.9	15.7	16.5	16.5	16.5	17.3	18.1	18.1	17.3
87.5°	9.4	9.4	10.2	11.0	11.0	11.8	11.8	12.6	12.6	12.6
90°	5.5	5.5	6.3	6.3	7.1	7.1	7.1	7.9	7.9	7.9
92.5°	13.4	13.4	14.2	14.2	14.2	14.2	14.9	14.9	14.9	14.9
95°	143.1	64.5	54.3	33.0	31.5	27.5	26.7	27.5	27.5	26.7
97.5°	480.5	514.3	535.6	545.8	533.2	519.8	504.9	502.5	482.1	436.5
100°	518.3	545.0	571.0	589.1	596.1	602.4	616.6	625.2	629.2	633.1
102.5°	537.1	565.5	588.3	611.1	620.5	629.2	641.7	652.0	655.9	659.0
105°	553.7	582.8	607.9	628.4	637.0	644.9	657.5	666.9	674.0	674.8
107.5°	557.6	588.3	616.6	641.7	652.0	660.6	675.6	682.6	688.9	688.9
110°	564.7	593.8	619.7	642.5	652.8	663.0	678.7	689.7	696.0	697.6



TEST NUMBER: P395682

CATALOG NUMBER: I3-UL-30L83050-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	570.2	600.1	624.4	647.2	655.9	665.3	680.3	690.5	696.0	698.4
115°	574.9	604.0	628.4	649.6	659.0	668.5	683.4	692.1	698.4	700.7
117.5°	578.0	606.4	630.7	650.4	660.6	668.5	682.6	692.1	698.4	699.2
120°	578.8	607.1	630.7	650.4	659.0	667.7	681.9	691.3	697.6	697.6
122.5°	578.8	606.4	629.9	648.8	656.7	664.5	677.9	688.9	694.4	694.4
125°	575.7	603.2	626.0	644.9	652.8	659.8	674.0	684.2	689.7	690.5
127.5°	571.0	597.7	620.5	639.4	647.2	653.5	668.5	677.9	683.4	684.2
130°	564.7	591.4	613.4	631.5	639.4	646.5	659.0	669.3	675.6	677.1
132.5°	557.6	582.8	604.8	622.1	629.9	636.2	648.8	659.0	664.5	666.9
135°	548.9	572.5	593.8	611.1	618.9	625.2	637.0	647.2	652.8	655.1
137.5°	537.9	560.7	581.2	598.5	605.6	611.9	623.7	633.1	637.8	641.0
140°	525.3	546.6	567.8	583.5	590.6	596.9	607.1	617.4	622.1	624.4
142.5°	512.0	533.2	552.1	567.8	574.1	580.4	590.6	600.1	604.8	605.6
145°	497.8	518.3	535.6	550.5	556.0	562.3	571.7	581.2	585.9	586.7
147.5°	482.1	501.0	517.5	531.6	537.9	542.7	551.3	560.0	564.7	565.5
150°	464.0	481.3	496.2	510.4	515.9	520.6	530.1	537.9	542.7	543.4
152.5°	446.7	463.2	475.8	488.4	493.9	498.6	506.5	514.3	519.1	519.8
155°	428.6	443.6	456.1	466.4	471.1	475.8	482.1	489.2	493.1	493.9
157.5°	409.7	423.9	434.9	444.3	449.1	453.0	458.5	464.8	467.2	468.7
160°	389.3	401.1	410.5	420.0	423.9	427.8	433.3	438.1	441.2	442.0
162.5°	367.3	377.5	385.4	394.0	396.4	399.5	405.0	409.7	412.1	412.9
165°	344.5	353.9	361.0	368.1	369.6	372.0	375.9	380.6	382.2	383.8
167.5°	321.7	329.5	334.2	340.5	342.9	344.5	348.4	351.5	353.1	353.9
170°	299.6	305.1	309.1	313.8	314.6	316.9	319.3	322.4	323.2	323.2
172.5°	282.3	284.7	287.1	288.6	289.4	290.2	291.8	292.6	292.6	292.6
175°	271.3	272.9	272.9	273.7	273.7	273.7	273.7	273.7	273.7	273.7
177.5°	265.0	265.0	265.0	264.2	264.2	264.2	264.2	263.5	263.5	263.5
180°	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5	263.5

(END OF REPORT)