

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: P395702

Luminaire Tested: **I3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395702
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-40L82765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, OPEN TOP
4000 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: 4102.5 lumens
Efficiency: N/A
Efficacy: 144.5 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

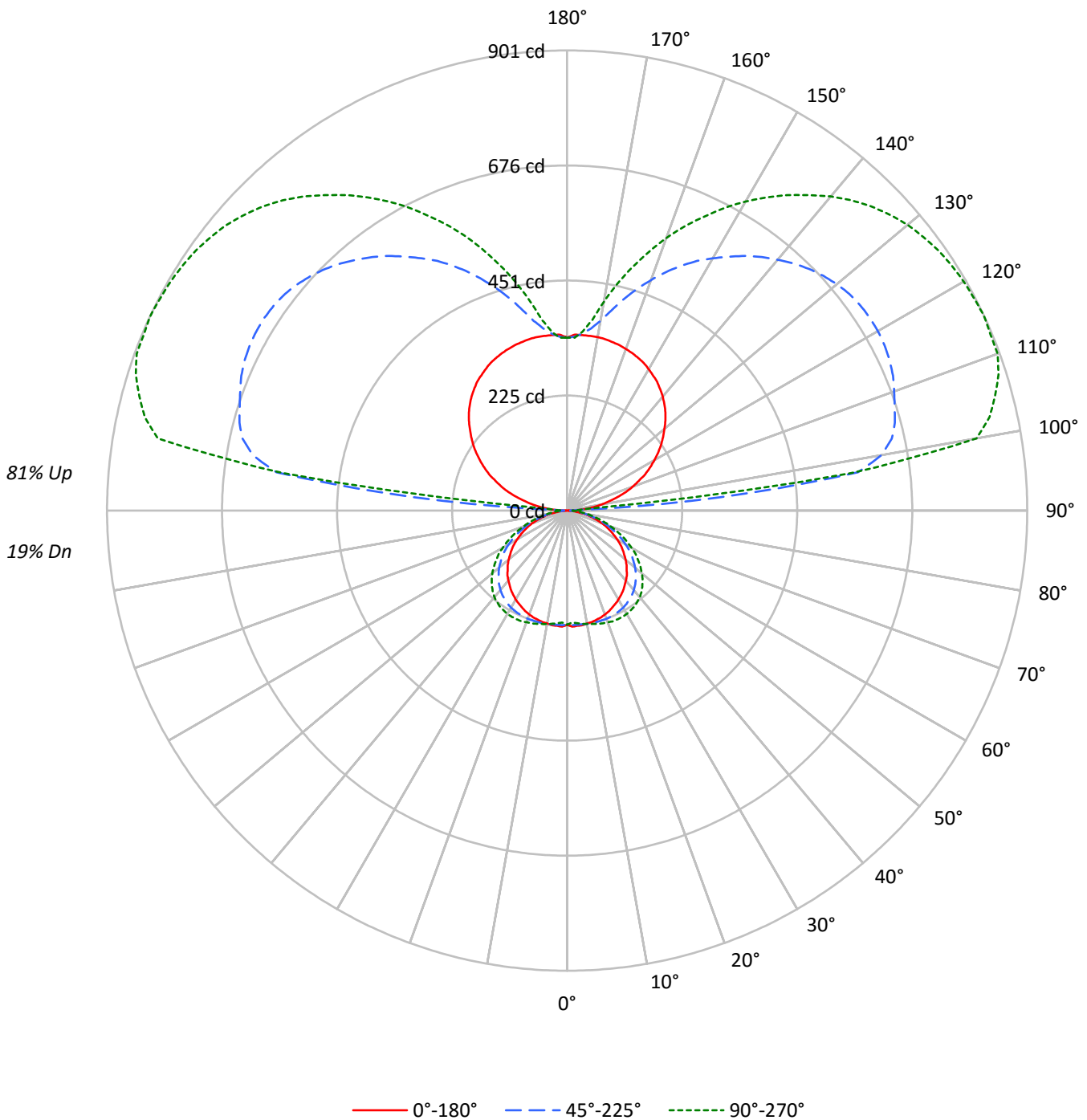
Input Watts (W): 28.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1228	1228	1228
5°	1245	1211	1187
10°	1244	1202	1189
15°	1246	1198	1199
20°	1246	1203	1213
25°	1245	1205	1231
30°	1246	1207	1243
35°	1245	1201	1249
40°	1240	1192	1241
45°	1229	1167	1214
50°	1217	1129	1170
55°	1196	1075	1103
60°	1159	997	1015
65°	1108	888	905
70°	1047	770	763
75°	907	603	612
80°	722	434	442
85°	429	253	291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.5
10°-20°	63.7	1.6
20°-30°	102.6	2.5
30°-40°	132.0	3.2
40°-50°	145.0	3.5
50°-60°	136.3	3.3
60°-70°	105.8	2.6
70°-80°	60.7	1.5
80°-90°	19.5	0.5
90°-100°	262.3	6.4
100°-110°	623.2	15.2
110°-120°	626.0	15.3
120°-130°	574.1	14.0
130°-140°	480.1	11.7
140°-150°	360.3	8.8
150°-160°	234.6	5.7
160°-170°	120.8	2.9
170°-180°	34.2	0.8
0°-30°	187.7	4.6
0°-40°	319.7	7.8
0°-60°	600.9	14.6
0°-90°	786.9	19.2
90°-120°	1511.5	36.8
90°-150°	2926.0	71.3
90°-180°	3316.0	80.8
0°-180°	4102.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	223	223	223	223	223	
5°	226	224	224	223	221	22
15°	221	220	226	228	230	63
25°	209	211	223	232	235	97
35°	191	196	212	226	230	119
45°	165	173	190	204	208	127
55°	132	140	155	166	170	118
65°	93	98	107	116	119	92
75°	50	52	57	63	65	53
85°	10	12	16	21	22	12
90°	1	3	6	9	10	3
95°	35	293	301	40	34	35
105°	102	393	664	819	868	108
115°	169	443	697	847	901	166
125°	224	462	701	839	888	200
135°	272	460	669	796	842	210
145°	307	441	609	715	754	192
155°	330	404	529	606	635	152
165°	342	365	429	475	493	97
175°	345	344	348	352	352	33
180°	339	339	339	339	339	



TEST NUMBER: P395702

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4
2.5°	227.5	226.5	225.5	225.5	224.5	224.5	224.5	223.4	223.4	223.4	224.5
5°	226.5	226.5	225.5	224.5	224.5	224.5	223.4	223.4	223.4	223.4	224.5
7.5°	226.5	225.5	224.5	224.5	223.4	223.4	223.4	223.4	223.4	223.4	224.5
10°	224.5	224.5	223.4	223.4	222.4	223.4	223.4	223.4	223.4	223.4	225.5
12.5°	223.4	223.4	222.4	221.4	221.4	221.4	222.4	222.4	222.4	223.4	225.5
15°	221.4	221.4	220.4	220.4	220.4	220.4	221.4	221.4	222.4	223.4	225.5
17.5°	219.4	219.4	218.4	218.4	218.4	219.4	219.4	220.4	221.4	223.4	225.5
20°	216.4	216.4	216.4	216.4	216.4	217.4	217.4	218.4	220.4	222.4	225.5
22.5°	213.3	213.3	213.3	213.3	213.3	214.3	215.4	217.4	218.4	221.4	224.5
25°	209.3	209.3	209.3	209.3	210.3	211.3	212.3	214.3	216.4	219.4	223.4
27.5°	205.2	206.3	206.3	206.3	207.3	208.3	209.3	211.3	214.3	218.4	221.4
30°	201.2	201.2	201.2	202.2	203.2	204.2	206.3	208.3	211.3	215.4	219.4
32.5°	196.1	196.1	197.2	197.2	199.2	200.2	202.2	205.2	208.3	212.3	216.4
35°	191.1	191.1	191.1	193.1	194.1	196.1	197.2	200.2	204.2	208.3	212.3
37.5°	185.0	186.0	186.0	187.0	189.1	191.1	192.1	196.1	200.2	204.2	208.3
40°	179.0	180.0	180.0	181.0	184.0	185.0	187.0	191.1	194.1	199.2	203.2
42.5°	172.9	172.9	173.9	174.9	177.9	179.0	181.0	185.0	189.1	193.1	197.2
45°	164.8	165.8	166.8	167.8	170.9	172.9	174.9	177.9	182.0	186.0	190.1
47.5°	157.7	157.7	158.7	160.8	163.8	165.8	166.8	170.9	173.9	177.9	182.0
50°	149.6	150.6	150.6	152.7	155.7	157.7	158.7	162.8	165.8	169.9	173.9
52.5°	140.5	141.5	142.6	144.6	147.6	149.6	150.6	153.7	156.7	160.8	163.8
55°	132.4	133.5	133.5	135.5	138.5	139.5	141.5	143.6	147.6	150.6	154.7
57.5°	123.3	124.4	124.4	126.4	128.4	130.4	131.4	134.5	137.5	140.5	143.6
60°	113.2	114.2	115.3	116.3	118.3	120.3	121.3	123.3	126.4	129.4	132.4
62.5°	103.1	104.1	105.1	106.2	108.2	109.2	110.2	113.2	115.3	118.3	120.3
65°	93.0	94.0	95.0	96.0	97.1	98.1	99.1	101.1	103.1	106.2	107.2
67.5°	82.9	83.9	83.9	84.9	85.9	87.0	88.0	90.0	91.0	94.0	95.0
70°	72.8	72.8	72.8	73.8	73.8	74.8	75.8	77.9	78.9	80.9	82.9
72.5°	60.7	61.7	61.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	69.8
75°	49.5	50.6	49.5	50.6	51.6	51.6	52.6	53.6	54.6	55.6	56.6
77.5°	39.4	38.4	39.4	39.4	40.4	40.4	40.4	41.5	43.5	43.5	45.5
80°	28.3	28.3	28.3	28.3	29.3	29.3	30.3	30.3	32.4	33.4	34.4
82.5°	18.2	18.2	19.2	19.2	19.2	20.2	20.2	21.2	22.2	23.3	24.3
85°	10.1	10.1	10.1	11.1	11.1	12.1	12.1	13.1	14.2	15.2	16.2
87.5°	3.0	4.0	5.1	5.1	6.1	6.1	7.1	7.1	9.1	10.1	11.1
90°	1.0	1.0	2.0	2.0	2.0	3.0	3.0	4.0	4.0	5.1	6.1
92.5°	17.2	40.4	83.9	125.4	108.2	101.1	60.7	18.2	16.2	17.2	17.2
95°	35.4	66.7	122.3	198.2	256.8	293.2	317.5	364.0	411.5	403.4	301.3
97.5°	51.6	85.9	147.6	217.4	298.3	339.7	371.1	426.7	487.3	537.9	574.3
100°	67.7	103.1	168.8	241.6	316.5	353.9	390.3	466.1	525.7	576.3	624.8
102.5°	84.9	120.3	188.1	263.9	337.7	374.1	409.5	476.2	542.9	603.6	651.1
105°	102.1	138.5	205.2	283.1	356.9	393.3	427.7	491.4	553.0	609.7	664.3
107.5°	120.3	154.7	220.4	298.3	372.1	408.5	442.8	506.5	566.2	622.8	672.3
110°	136.5	169.9	235.6	312.4	386.2	422.6	457.0	520.7	579.3	632.9	681.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	151.7	184.0	249.7	324.5	397.3	433.7	467.1	530.8	589.4	642.0	690.5
115°	168.8	197.2	263.9	335.7	407.5	442.8	476.2	538.9	597.5	649.1	696.6
117.5°	183.0	210.3	276.0	344.8	415.5	449.9	482.3	545.0	602.6	654.2	700.7
120°	197.2	222.4	287.1	352.9	421.6	455.0	487.3	549.0	606.6	657.2	702.7
122.5°	211.3	234.6	296.2	360.9	426.7	460.0	491.4	552.0	608.7	658.2	702.7
125°	224.5	244.7	304.3	367.0	429.7	462.1	492.4	552.0	607.6	656.2	700.7
127.5°	236.6	255.8	310.4	373.1	431.7	463.1	492.4	550.0	605.6	653.1	696.6
130°	248.7	265.9	316.5	376.1	433.7	462.1	490.4	546.0	600.6	648.1	689.5
132.5°	260.9	277.0	321.5	379.1	434.8	462.1	488.3	541.9	594.5	641.0	680.4
135°	272.0	285.1	326.6	381.2	433.7	460.0	484.3	534.8	585.4	630.9	669.3
137.5°	282.1	293.2	330.6	382.2	432.7	457.0	481.3	526.8	574.3	618.8	656.2
140°	291.2	301.3	332.6	382.2	428.7	453.0	475.2	518.7	562.1	604.6	641.0
142.5°	299.3	308.4	335.7	380.2	424.6	447.9	469.1	510.6	550.0	590.5	625.8
145°	307.4	314.4	337.7	379.1	419.6	440.8	461.0	500.5	538.9	575.3	608.7
147.5°	313.4	320.5	339.7	375.1	413.5	432.7	451.9	489.3	524.7	559.1	589.4
150°	319.5	325.6	340.7	371.1	406.4	423.6	440.8	476.2	510.6	541.9	570.2
152.5°	325.6	329.6	343.8	367.0	398.4	414.5	431.7	463.1	494.4	523.7	551.0
155°	329.6	332.6	344.8	363.0	390.3	404.4	418.6	447.9	476.2	503.5	528.8
157.5°	333.6	336.7	345.8	359.9	381.2	394.3	406.4	431.7	458.0	482.3	505.5
160°	336.7	338.7	345.8	357.9	373.1	382.2	393.3	416.6	438.8	460.0	480.2
162.5°	339.7	340.7	345.8	354.9	366.0	372.1	380.2	398.4	418.6	436.8	455.0
165°	341.7	342.7	345.8	352.9	359.9	365.0	369.0	382.2	397.3	413.5	428.7
167.5°	343.8	343.8	345.8	350.8	354.9	357.9	360.9	368.0	378.1	390.3	401.4
170°	344.8	344.8	345.8	348.8	351.8	352.9	354.9	358.9	364.0	370.0	377.1
172.5°	344.8	344.8	344.8	346.8	347.8	347.8	347.8	349.8	352.9	356.9	359.9
175°	344.8	343.8	343.8	344.8	343.8	343.8	343.8	343.8	344.8	346.8	347.8
177.5°	344.8	343.8	342.7	342.7	341.7	341.7	340.7	340.7	340.7	340.7	340.7
180°	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4	223.4
2.5°	224.5	224.5	223.4	222.4	222.4	222.4	221.4	220.4	219.4	219.4
5°	224.5	224.5	223.4	223.4	223.4	223.4	222.4	222.4	221.4	221.4
7.5°	225.5	224.5	224.5	224.5	224.5	224.5	224.5	224.5	223.4	223.4
10°	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5
12.5°	226.5	226.5	226.5	226.5	227.5	227.5	227.5	227.5	227.5	227.5
15°	226.5	227.5	228.5	228.5	228.5	229.5	229.5	229.5	229.5	229.5
17.5°	227.5	228.5	229.5	229.5	230.5	230.5	231.5	231.5	231.5	231.5
20°	227.5	228.5	229.5	230.5	231.5	231.5	232.5	233.6	233.6	232.5
22.5°	226.5	228.5	229.5	230.5	231.5	232.5	233.6	234.6	234.6	234.6
25°	225.5	227.5	229.5	231.5	231.5	232.5	234.6	234.6	234.6	234.6
27.5°	224.5	226.5	228.5	230.5	231.5	232.5	233.6	234.6	234.6	234.6
30°	222.4	225.5	227.5	229.5	230.5	231.5	232.5	233.6	233.6	233.6
32.5°	219.4	222.4	224.5	227.5	228.5	229.5	230.5	231.5	231.5	231.5
35°	216.4	219.4	221.4	224.5	225.5	226.5	228.5	228.5	229.5	229.5
37.5°	211.3	215.4	217.4	220.4	221.4	222.4	224.5	225.5	225.5	225.5
40°	206.3	210.3	212.3	215.4	216.4	217.4	219.4	220.4	221.4	221.4
42.5°	200.2	204.2	206.3	209.3	210.3	211.3	213.3	214.3	215.4	215.4
45°	194.1	197.2	199.2	202.2	204.2	204.2	206.3	207.3	208.3	208.3
47.5°	186.0	189.1	191.1	194.1	196.1	197.2	198.2	199.2	200.2	200.2
50°	176.9	180.0	183.0	185.0	187.0	187.0	189.1	190.1	191.1	191.1
52.5°	167.8	169.9	172.9	175.9	176.9	177.9	179.0	180.0	181.0	181.0
55°	157.7	159.7	162.8	164.8	165.8	166.8	167.8	168.8	169.9	169.9
57.5°	146.6	148.6	151.7	153.7	154.7	155.7	156.7	157.7	158.7	158.7
60°	134.5	136.5	139.5	141.5	142.6	142.6	144.6	145.6	145.6	145.6
62.5°	122.3	124.4	126.4	128.4	129.4	130.4	131.4	132.4	132.4	132.4
65°	110.2	112.2	114.2	115.3	116.3	116.3	117.3	118.3	119.3	119.3
67.5°	97.1	99.1	101.1	102.1	103.1	103.1	104.1	105.1	105.1	105.1
70°	83.9	84.9	87.0	88.0	89.0	89.0	91.0	91.0	91.0	91.0
72.5°	70.8	71.8	73.8	74.8	75.8	75.8	76.8	77.9	77.9	77.9
75°	58.6	59.7	60.7	62.7	62.7	62.7	63.7	64.7	64.7	64.7
77.5°	46.5	47.5	48.5	49.5	50.6	50.6	51.6	52.6	52.6	52.6
80°	35.4	36.4	37.4	38.4	38.4	39.4	39.4	40.4	40.4	40.4
82.5°	25.3	26.3	27.3	28.3	29.3	29.3	30.3	31.3	31.3	30.3
85°	17.2	19.2	20.2	21.2	21.2	21.2	22.2	23.3	23.3	22.2
87.5°	12.1	12.1	13.1	14.2	14.2	15.2	15.2	16.2	16.2	16.2
90°	7.1	7.1	8.1	8.1	9.1	9.1	9.1	10.1	10.1	10.1
92.5°	17.2	17.2	18.2	18.2	18.2	18.2	19.2	19.2	19.2	19.2
95°	184.0	82.9	69.8	42.5	40.4	35.4	34.4	35.4	35.4	34.4
97.5°	617.8	661.2	688.5	701.7	685.5	668.3	649.1	646.1	619.8	561.1
100°	666.3	700.7	734.0	757.3	766.4	774.5	792.7	803.8	808.8	813.9
102.5°	690.5	726.9	756.3	785.6	797.7	808.8	825.0	838.2	843.2	847.3
105°	711.8	749.2	781.5	807.8	819.0	829.1	845.2	857.4	866.5	867.5
107.5°	716.8	756.3	792.7	825.0	838.2	849.3	868.5	877.6	885.7	885.7
110°	725.9	763.3	796.7	826.0	839.2	852.3	872.5	886.7	894.8	896.8



TEST NUMBER: P395702

CATALOG NUMBER: I3-UL-40L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	733.0	771.4	802.8	832.1	843.2	855.4	874.6	887.7	894.8	897.8
115°	739.1	776.5	807.8	835.1	847.3	859.4	878.6	889.7	897.8	900.8
117.5°	743.1	779.5	810.9	836.1	849.3	859.4	877.6	889.7	897.8	898.8
120°	744.1	780.5	810.9	836.1	847.3	858.4	876.6	888.7	896.8	896.8
122.5°	744.1	779.5	809.9	834.1	844.2	854.3	871.5	885.7	892.8	892.8
125°	740.1	775.5	804.8	829.1	839.2	848.3	866.5	879.6	886.7	887.7
127.5°	734.0	768.4	797.7	822.0	832.1	840.2	859.4	871.5	878.6	879.6
130°	725.9	760.3	788.6	811.9	822.0	831.1	847.3	860.4	868.5	870.5
132.5°	716.8	749.2	777.5	799.7	809.9	817.9	834.1	847.3	854.3	857.4
135°	705.7	736.0	763.3	785.6	795.7	803.8	819.0	832.1	839.2	842.2
137.5°	691.6	720.9	747.2	769.4	778.5	786.6	801.8	813.9	820.0	824.0
140°	675.4	702.7	730.0	750.2	759.3	767.4	780.5	793.7	799.7	802.8
142.5°	658.2	685.5	709.8	730.0	738.1	746.2	759.3	771.4	777.5	778.5
145°	640.0	666.3	688.5	707.7	714.8	722.9	735.0	747.2	753.2	754.2
147.5°	619.8	644.0	665.3	683.5	691.6	697.6	708.7	719.9	725.9	726.9
150°	596.5	618.8	638.0	656.2	663.3	669.3	681.4	691.6	697.6	698.6
152.5°	574.3	595.5	611.7	627.9	634.9	641.0	651.1	661.2	667.3	668.3
155°	551.0	570.2	586.4	599.6	605.6	611.7	619.8	628.9	633.9	634.9
157.5°	526.8	545.0	559.1	571.2	577.3	582.4	589.4	597.5	600.6	602.6
160°	500.5	515.6	527.8	539.9	545.0	550.0	557.1	563.2	567.2	568.2
162.5°	472.2	485.3	495.4	506.5	509.6	513.6	520.7	526.8	529.8	530.8
165°	442.8	455.0	464.1	473.2	475.2	478.2	483.3	489.3	491.4	493.4
167.5°	413.5	423.6	429.7	437.8	440.8	442.8	447.9	451.9	454.0	455.0
170°	385.2	392.3	397.3	403.4	404.4	407.5	410.5	414.5	415.5	415.5
172.5°	363.0	366.0	369.0	371.1	372.1	373.1	375.1	376.1	376.1	376.1
175°	348.8	350.8	350.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8
177.5°	340.7	340.7	340.7	339.7	339.7	339.7	339.7	338.7	338.7	338.7
180°	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7	338.7

(END OF REPORT)