

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: P395740

Luminaire Tested: **I3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395740
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-50L92765-1D-UNV-W2A-W-4 (4000K)
Description: CORELITE I3, OPEN TOP
5000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4451.8 lumens
Efficiency: N/A
Efficacy: 124.0 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

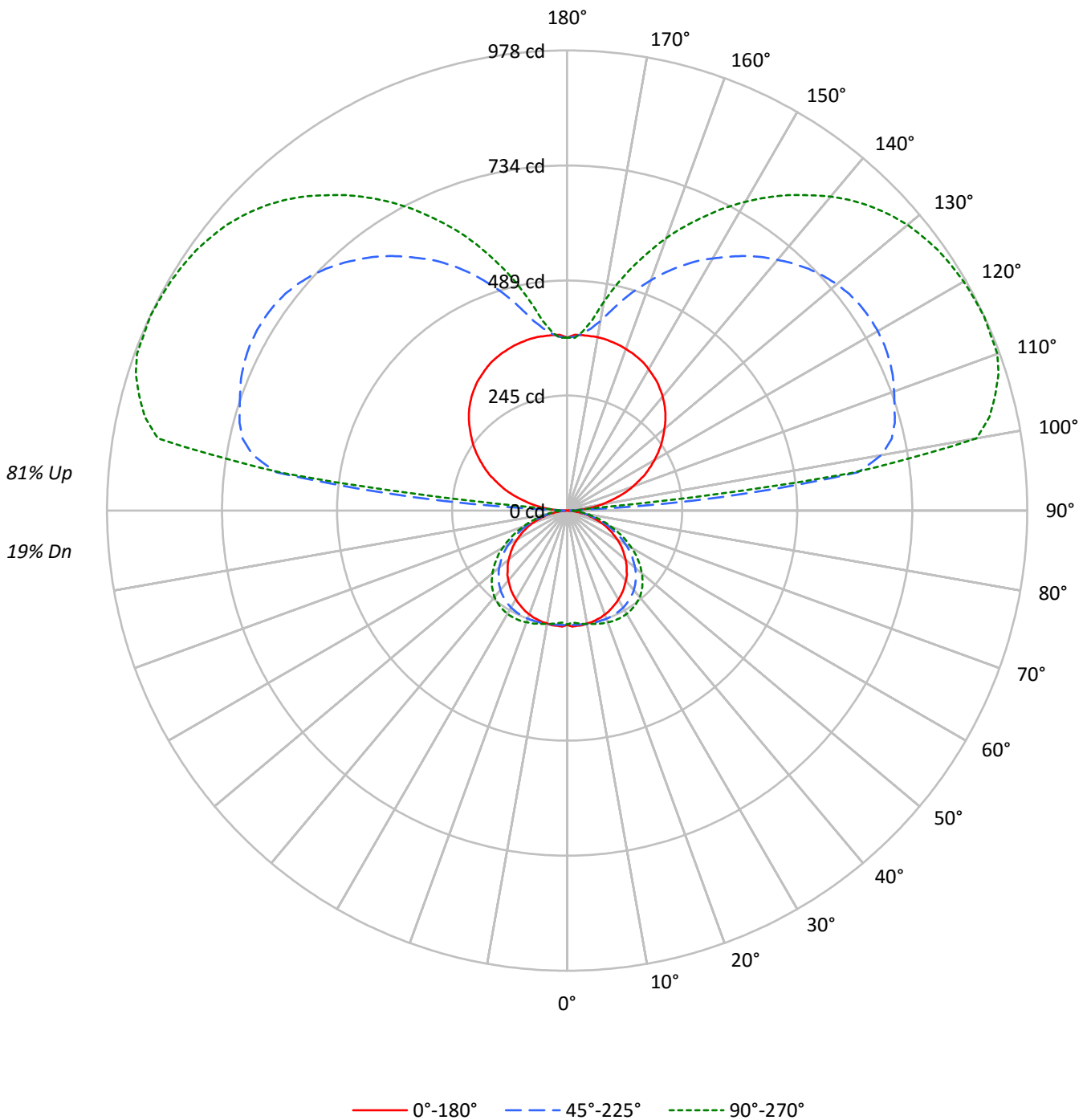
Input Watts (W): 35.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: I3-UL-50L92765-1D-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°	1333	1333	1333
5°	1351	1314	1288
10°	1349	1305	1290
15°	1352	1300	1301
20°	1352	1305	1316
25°	1350	1309	1336
30°	1352	1310	1349
35°	1351	1303	1355
40°	1345	1294	1347
45°	1333	1267	1318
50°	1322	1225	1269
55°	1298	1166	1197
60°	1258	1082	1101
65°	1203	963	982
70°	1137	836	828
75°	986	655	664
80°	783	471	481
85°	467	275	316



TEST NUMBER: P395740

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.5
10°-20°	69.2	1.6
20°-30°	111.3	2.5
30°-40°	143.2	3.2
40°-50°	157.3	3.5
50°-60°	147.9	3.3
60°-70°	114.9	2.6
70°-80°	65.9	1.5
80°-90°	21.1	0.5
90°-100°	284.6	6.4
100°-110°	676.3	15.2
110°-120°	679.3	15.3
120°-130°	623.0	14.0
130°-140°	520.9	11.7
140°-150°	391.0	8.8
150°-160°	254.5	5.7
160°-170°	131.1	2.9
170°-180°	37.1	0.8
0°-30°	203.7	4.6
0°-40°	346.9	7.8
0°-60°	652.1	14.6
0°-90°	854.0	19.2
90°-120°	1640.2	36.8
90°-150°	3175.1	71.3
90°-180°	3598.0	80.8
0°-180°	4451.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	242	242	242	242	242	
5°	246	244	244	242	240	23
15°	240	239	245	248	249	68
25°	227	229	242	251	254	105
35°	207	213	230	245	249	130
45°	179	188	206	222	226	138
55°	144	151	168	180	184	128
65°	101	106	116	126	130	100
75°	54	56	61	68	70	57
85°	11	13	18	23	24	13
90°	1	3	7	10	11	3
95°	38	318	327	44	37	38
105°	111	427	721	889	941	117
115°	183	480	756	919	978	180
125°	244	501	760	911	963	217
135°	295	499	726	863	914	227
145°	334	478	660	776	818	208
155°	358	439	574	657	689	165
165°	371	396	465	516	535	105
175°	374	373	377	382	382	36
180°	368	368	368	368	368	



TEST NUMBER: P395740

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5
2.5°	246.9	245.8	244.7	244.7	243.6	243.6	243.6	242.5	242.5	242.5	243.6
5°	245.8	245.8	244.7	243.6	243.6	243.6	242.5	242.5	242.5	242.5	243.6
7.5°	245.8	244.7	243.6	243.6	242.5	242.5	242.5	242.5	242.5	242.5	243.6
10°	243.6	243.6	242.5	242.5	241.4	242.5	242.5	242.5	242.5	242.5	244.7
12.5°	242.5	242.5	241.4	240.3	240.3	240.3	241.4	241.4	241.4	242.5	244.7
15°	240.3	240.3	239.2	239.2	239.2	239.2	240.3	240.3	241.4	242.5	244.7
17.5°	238.1	238.1	237.0	237.0	237.0	238.1	238.1	239.2	240.3	242.5	244.7
20°	234.8	234.8	234.8	234.8	234.8	235.9	235.9	237.0	239.2	241.4	244.7
22.5°	231.5	231.5	231.5	231.5	231.5	232.6	233.7	235.9	237.0	240.3	243.6
25°	227.1	227.1	227.1	227.1	228.2	229.3	230.4	232.6	234.8	238.1	242.5
27.5°	222.7	223.8	223.8	223.8	224.9	226.0	227.1	229.3	232.6	237.0	240.3
30°	218.3	218.3	218.3	219.4	220.5	221.6	223.8	226.0	229.3	233.7	238.1
32.5°	212.8	212.8	213.9	213.9	216.1	217.2	219.4	222.7	226.0	230.4	234.8
35°	207.4	207.4	207.4	209.6	210.6	212.8	213.9	217.2	221.6	226.0	230.4
37.5°	200.8	201.9	201.9	203.0	205.2	207.4	208.5	212.8	217.2	221.6	226.0
40°	194.2	195.3	195.3	196.4	199.7	200.8	203.0	207.4	210.6	216.1	220.5
42.5°	187.6	187.6	188.7	189.8	193.1	194.2	196.4	200.8	205.2	209.6	213.9
45°	178.8	179.9	181.0	182.1	185.4	187.6	189.8	193.1	197.5	201.9	206.3
47.5°	171.2	171.2	172.2	174.4	177.7	179.9	181.0	185.4	188.7	193.1	197.5
50°	162.4	163.5	163.5	165.7	169.0	171.2	172.2	176.6	179.9	184.3	188.7
52.5°	152.5	153.6	154.7	156.9	160.2	162.4	163.5	166.8	170.1	174.4	177.7
55°	143.7	144.8	144.8	147.0	150.3	151.4	153.6	155.8	160.2	163.5	167.9
57.5°	133.8	134.9	134.9	137.1	139.3	141.5	142.6	145.9	149.2	152.5	155.8
60°	122.9	124.0	125.1	126.2	128.4	130.6	131.7	133.8	137.1	140.4	143.7
62.5°	111.9	113.0	114.1	115.2	117.4	118.5	119.6	122.9	125.1	128.4	130.6
65°	100.9	102.0	103.1	104.2	105.3	106.4	107.5	109.7	111.9	115.2	116.3
67.5°	90.0	91.1	91.1	92.2	93.3	94.4	95.4	97.6	98.7	102.0	103.1
70°	79.0	79.0	79.0	80.1	80.1	81.2	82.3	84.5	85.6	87.8	90.0
72.5°	65.8	66.9	66.9	66.9	68.0	69.1	70.2	71.3	72.4	73.5	75.7
75°	53.8	54.9	53.8	54.9	56.0	56.0	57.1	58.1	59.2	60.3	61.4
77.5°	42.8	41.7	42.8	42.8	43.9	43.9	43.9	45.0	47.2	47.2	49.4
80°	30.7	30.7	30.7	30.7	31.8	31.8	32.9	32.9	35.1	36.2	37.3
82.5°	19.7	19.7	20.8	20.8	20.8	21.9	21.9	23.0	24.1	25.2	26.3
85°	11.0	11.0	11.0	12.1	12.1	13.2	13.2	14.3	15.4	16.5	17.6
87.5°	3.3	4.4	5.5	5.5	6.6	6.6	7.7	7.7	9.9	11.0	12.1
90°	1.1	1.1	2.2	2.2	2.2	3.3	3.3	4.4	4.4	5.5	6.6
92.5°	18.7	43.9	91.1	136.0	117.4	109.7	65.8	19.7	17.6	18.7	18.7
95°	38.4	72.4	132.8	215.0	278.7	318.2	344.5	395.0	446.5	437.8	326.9
97.5°	56.0	93.3	160.2	235.9	323.7	368.6	402.6	463.0	528.8	583.7	623.2
100°	73.5	111.9	183.2	262.2	343.4	384.0	423.5	505.8	570.5	625.4	678.0
102.5°	92.2	130.6	204.1	286.3	366.4	405.9	444.3	516.7	589.2	655.0	706.5
105°	110.8	150.3	222.7	307.2	387.3	426.8	464.1	533.2	600.1	661.6	720.8
107.5°	130.6	167.9	239.2	323.7	403.7	443.2	480.5	549.7	614.4	675.8	729.6
110°	148.1	184.3	255.6	339.0	419.1	458.6	495.9	565.0	628.7	686.8	739.5



TEST NUMBER: P395740

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	164.6	199.7	271.0	352.2	431.2	470.7	506.9	576.0	639.6	696.7	749.3
115°	183.2	213.9	286.3	364.2	442.1	480.5	516.7	584.8	648.4	704.4	755.9
117.5°	198.6	228.2	299.5	374.1	450.9	488.2	523.3	591.4	653.9	709.8	760.3
120°	213.9	241.4	311.6	382.9	457.5	493.7	528.8	595.7	658.3	713.1	762.5
122.5°	229.3	254.5	321.5	391.7	463.0	499.2	533.2	599.0	660.5	714.2	762.5
125°	243.6	265.5	330.2	398.3	466.3	501.4	534.3	599.0	659.4	712.0	760.3
127.5°	256.7	277.6	336.8	404.8	468.5	502.5	534.3	596.8	657.2	708.7	755.9
130°	269.9	288.5	343.4	408.1	470.7	501.4	532.1	592.4	651.7	703.3	748.2
132.5°	283.1	300.6	348.9	411.4	471.8	501.4	529.9	588.1	645.1	695.6	738.4
135°	295.1	309.4	354.4	413.6	470.7	499.2	525.5	580.4	635.2	684.6	726.3
137.5°	306.1	318.2	358.8	414.7	469.6	495.9	522.2	571.6	623.2	671.4	712.0
140°	316.0	326.9	361.0	414.7	465.2	491.5	515.6	562.8	610.0	656.1	695.6
142.5°	324.7	334.6	364.2	412.5	460.8	486.0	509.1	554.0	596.8	640.7	679.1
145°	333.5	341.2	366.4	411.4	455.3	478.3	500.3	543.1	584.8	624.3	660.5
147.5°	340.1	347.8	368.6	407.0	448.7	469.6	490.4	531.0	569.4	606.7	639.6
150°	346.7	353.3	369.7	402.6	441.0	459.7	478.3	516.7	554.0	588.1	618.8
152.5°	353.3	357.7	373.0	398.3	432.3	449.8	468.5	502.5	536.5	568.3	597.9
155°	357.7	361.0	374.1	393.9	423.5	438.9	454.2	486.0	516.7	546.4	573.8
157.5°	362.1	365.3	375.2	390.6	413.6	427.9	441.0	468.5	497.0	523.3	548.6
160°	365.3	367.5	375.2	388.4	404.8	414.7	426.8	452.0	476.2	499.2	521.1
162.5°	368.6	369.7	375.2	385.1	397.2	403.7	412.5	432.3	454.2	474.0	493.7
165°	370.8	371.9	375.2	382.9	390.6	396.1	400.5	414.7	431.2	448.7	465.2
167.5°	373.0	373.0	375.2	380.7	385.1	388.4	391.7	399.4	410.3	423.5	435.6
170°	374.1	374.1	375.2	378.5	381.8	382.9	385.1	389.5	395.0	401.5	409.2
172.5°	374.1	374.1	374.1	376.3	377.4	377.4	377.4	379.6	382.9	387.3	390.6
175°	374.1	373.0	373.0	374.1	373.0	373.0	373.0	373.0	374.1	376.3	377.4
177.5°	374.1	373.0	371.9	371.9	370.8	370.8	369.7	369.7	369.7	369.7	369.7
180°	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5



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CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5	242.5
2.5°	243.6	243.6	242.5	241.4	241.4	241.4	240.3	239.2	238.1	238.1
5°	243.6	243.6	242.5	242.5	242.5	242.5	241.4	241.4	240.3	240.3
7.5°	244.7	243.6	243.6	243.6	243.6	243.6	243.6	243.6	242.5	242.5
10°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
12.5°	245.8	245.8	245.8	245.8	246.9	246.9	246.9	246.9	246.9	246.9
15°	245.8	246.9	248.0	248.0	248.0	249.0	249.0	249.0	249.0	249.0
17.5°	246.9	248.0	249.0	249.0	250.1	250.1	251.2	251.2	251.2	251.2
20°	246.9	248.0	249.0	250.1	251.2	251.2	252.3	253.4	253.4	252.3
22.5°	245.8	248.0	249.0	250.1	251.2	252.3	253.4	254.5	254.5	254.5
25°	244.7	246.9	249.0	251.2	251.2	252.3	254.5	254.5	254.5	254.5
27.5°	243.6	245.8	248.0	250.1	251.2	252.3	253.4	254.5	254.5	254.5
30°	241.4	244.7	246.9	249.0	250.1	251.2	252.3	253.4	253.4	253.4
32.5°	238.1	241.4	243.6	246.9	248.0	249.0	250.1	251.2	251.2	251.2
35°	234.8	238.1	240.3	243.6	244.7	245.8	248.0	248.0	249.0	249.0
37.5°	229.3	233.7	235.9	239.2	240.3	241.4	243.6	244.7	244.7	244.7
40°	223.8	228.2	230.4	233.7	234.8	235.9	238.1	239.2	240.3	240.3
42.5°	217.2	221.6	223.8	227.1	228.2	229.3	231.5	232.6	233.7	233.7
45°	210.6	213.9	216.1	219.4	221.6	221.6	223.8	224.9	226.0	226.0
47.5°	201.9	205.2	207.4	210.6	212.8	213.9	215.0	216.1	217.2	217.2
50°	192.0	195.3	198.6	200.8	203.0	203.0	205.2	206.3	207.4	207.4
52.5°	182.1	184.3	187.6	190.9	192.0	193.1	194.2	195.3	196.4	196.4
55°	171.2	173.3	176.6	178.8	179.9	181.0	182.1	183.2	184.3	184.3
57.5°	159.1	161.3	164.6	166.8	167.9	169.0	170.1	171.2	172.2	172.2
60°	145.9	148.1	151.4	153.6	154.7	154.7	156.9	158.0	158.0	158.0
62.5°	132.8	134.9	137.1	139.3	140.4	141.5	142.6	143.7	143.7	143.7
65°	119.6	121.8	124.0	125.1	126.2	126.2	127.3	128.4	129.5	129.5
67.5°	105.3	107.5	109.7	110.8	111.9	111.9	113.0	114.1	114.1	114.1
70°	91.1	92.2	94.4	95.4	96.5	96.5	98.7	98.7	98.7	98.7
72.5°	76.8	77.9	80.1	81.2	82.3	82.3	83.4	84.5	84.5	84.5
75°	63.6	64.7	65.8	68.0	68.0	68.0	69.1	70.2	70.2	70.2
77.5°	50.5	51.6	52.7	53.8	54.9	54.9	56.0	57.1	57.1	57.1
80°	38.4	39.5	40.6	41.7	41.7	42.8	42.8	43.9	43.9	43.9
82.5°	27.4	28.5	29.6	30.7	31.8	31.8	32.9	34.0	34.0	32.9
85°	18.7	20.8	21.9	23.0	23.0	23.0	24.1	25.2	25.2	24.1
87.5°	13.2	13.2	14.3	15.4	15.4	16.5	16.5	17.6	17.6	17.6
90°	7.7	7.7	8.8	8.8	9.9	9.9	9.9	11.0	11.0	11.0
92.5°	18.7	18.7	19.7	19.7	19.7	19.7	20.8	20.8	20.8	20.8
95°	199.7	90.0	75.7	46.1	43.9	38.4	37.3	38.4	38.4	37.3
97.5°	670.3	717.5	747.1	761.4	743.9	725.2	704.4	701.1	672.5	608.9
100°	723.0	760.3	796.5	821.7	831.6	840.4	860.1	872.2	877.7	883.2
102.5°	749.3	788.8	820.7	852.5	865.6	877.7	895.3	909.5	915.0	919.4
105°	772.4	813.0	848.1	876.6	888.7	899.6	917.2	930.4	940.2	941.3
107.5°	777.9	820.7	860.1	895.3	909.5	921.6	942.4	952.3	961.1	961.1
110°	787.7	828.3	864.5	896.4	910.6	924.9	946.8	962.2	971.0	973.2



TEST NUMBER: P395740

CATALOG NUMBER: I3-UL-50L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	795.4	837.1	871.1	902.9	915.0	928.2	949.0	963.3	971.0	974.2
115°	802.0	842.6	876.6	906.2	919.4	932.6	953.4	965.5	974.2	977.5
117.5°	806.4	845.9	879.9	907.3	921.6	932.6	952.3	965.5	974.2	975.3
120°	807.5	847.0	879.9	907.3	919.4	931.5	951.2	964.4	973.2	973.2
122.5°	807.5	845.9	878.8	905.1	916.1	927.1	945.7	961.1	968.8	968.8
125°	803.1	841.5	873.3	899.6	910.6	920.5	940.2	954.5	962.2	963.3
127.5°	796.5	833.8	865.6	892.0	902.9	911.7	932.6	945.7	953.4	954.5
130°	787.7	825.0	855.8	881.0	892.0	901.8	919.4	933.7	942.4	944.6
132.5°	777.9	813.0	843.7	867.8	878.8	887.6	905.1	919.4	927.1	930.4
135°	765.8	798.7	828.3	852.5	863.4	872.2	888.7	902.9	910.6	913.9
137.5°	750.4	782.3	810.8	834.9	844.8	853.6	870.0	883.2	889.8	894.2
140°	732.9	762.5	792.1	814.1	823.9	832.7	847.0	861.2	867.8	871.1
142.5°	714.2	743.9	770.2	792.1	800.9	809.7	823.9	837.1	843.7	844.8
145°	694.5	723.0	747.1	768.0	775.7	784.4	797.6	810.8	817.4	818.5
147.5°	672.5	698.9	721.9	741.7	750.4	757.0	769.1	781.2	787.7	788.8
150°	647.3	671.4	692.3	712.0	719.7	726.3	739.5	750.4	757.0	758.1
152.5°	623.2	646.2	663.8	681.3	689.0	695.6	706.5	717.5	724.1	725.2
155°	597.9	618.8	636.3	650.6	657.2	663.8	672.5	682.4	687.9	689.0
157.5°	571.6	591.4	606.7	619.9	626.5	631.9	639.6	648.4	651.7	653.9
160°	543.1	559.5	572.7	585.9	591.4	596.8	604.5	611.1	615.5	616.6
162.5°	512.4	526.6	537.6	549.7	553.0	557.3	565.0	571.6	574.9	576.0
165°	480.5	493.7	503.6	513.5	515.6	518.9	524.4	531.0	533.2	535.4
167.5°	448.7	459.7	466.3	475.1	478.3	480.5	486.0	490.4	492.6	493.7
170°	418.0	425.7	431.2	437.8	438.9	442.1	445.4	449.8	450.9	450.9
172.5°	393.9	397.2	400.5	402.6	403.7	404.8	407.0	408.1	408.1	408.1
175°	378.5	380.7	380.7	381.8	381.8	381.8	381.8	381.8	381.8	381.8
177.5°	369.7	369.7	369.7	368.6	368.6	368.6	368.6	367.5	367.5	367.5
180°	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5	367.5

(END OF REPORT)