

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: P395778

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395778
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-80L82765-1D-UNV-W2A-W-4 (3500K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7848.4 lumens
Efficiency: N/A
Efficacy: 125.4 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

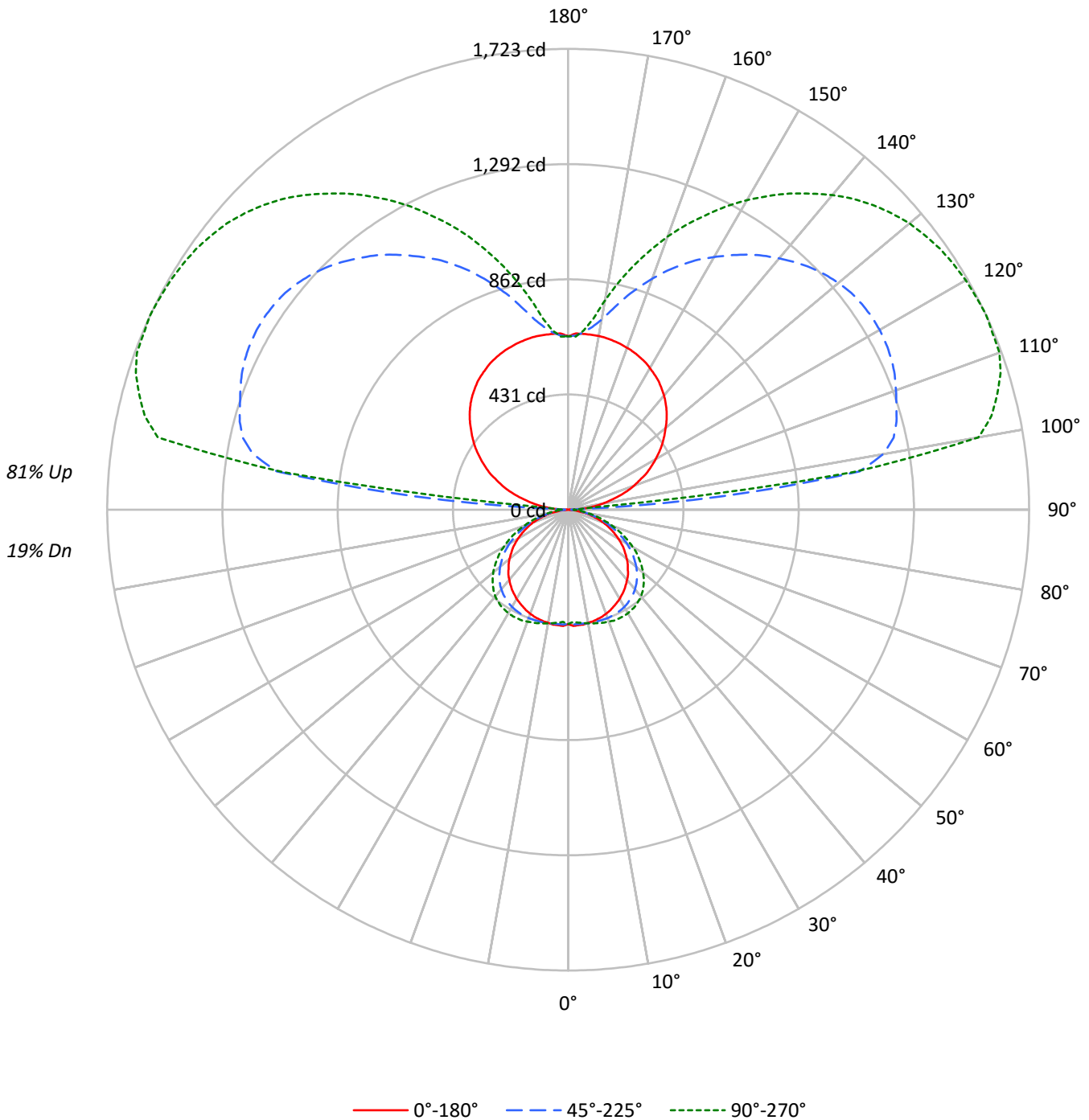
Input Watts (W): 62.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2350	2350	2350
5°	2382	2315	2271
10°	2379	2299	2274
15°	2383	2291	2294
20°	2384	2300	2321
25°	2381	2307	2355
30°	2384	2309	2378
35°	2382	2298	2389
40°	2372	2281	2375
45°	2351	2233	2323
50°	2330	2161	2237
55°	2289	2055	2110
60°	2218	1907	1941
65°	2120	1698	1731
70°	2004	1473	1460
75°	1737	1155	1172
80°	1382	831	848
85°	819	483	559



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (3500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	0.5
10°-20°	121.9	1.6
20°-30°	196.2	2.5
30°-40°	252.5	3.2
40°-50°	277.3	3.5
50°-60°	260.7	3.3
60°-70°	202.5	2.6
70°-80°	116.2	1.5
80°-90°	37.2	0.5
90°-100°	501.7	6.4
100°-110°	1192.3	15.2
110°-120°	1197.7	15.3
120°-130°	1098.3	14.0
130°-140°	918.4	11.7
140°-150°	689.3	8.8
150°-160°	448.7	5.7
160°-170°	231.1	2.9
170°-180°	65.4	0.8
0°-30°	359.1	4.6
0°-40°	611.6	7.8
0°-60°	1149.6	14.6
0°-90°	1505.5	19.2
90°-120°	2891.6	36.8
90°-150°	5597.7	71.3
90°-180°	6343.0	80.8
0°-180°	7848.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	433	429	429	428	424	41
15°	424	422	431	437	439	120
25°	400	404	428	443	449	185
35°	366	375	406	431	439	229
45°	315	331	364	391	398	244
55°	253	267	296	317	325	226
65°	178	188	205	222	228	176
75°	95	99	108	120	124	101
85°	19	23	31	41	43	23
90°	2	6	12	17	19	6
95°	68	561	576	77	66	67
105°	195	752	1271	1567	1660	207
115°	323	847	1333	1621	1723	317
125°	429	884	1340	1605	1698	383
135°	520	880	1280	1522	1611	401
145°	588	843	1164	1368	1443	368
155°	631	774	1012	1159	1215	291
165°	654	698	820	909	944	185
175°	660	658	665	673	673	63
180°	648	648	648	648	648	



TEST NUMBER: P395778

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5
2.5°	435.2	433.3	431.3	431.3	429.4	429.4	429.4	427.5	427.5	427.5	429.4
5°	433.3	433.3	431.3	429.4	429.4	429.4	427.5	427.5	427.5	427.5	429.4
7.5°	433.3	431.3	429.4	429.4	427.5	427.5	427.5	427.5	427.5	427.5	429.4
10°	429.4	429.4	427.5	427.5	425.5	427.5	427.5	427.5	427.5	427.5	431.3
12.5°	427.5	427.5	425.5	423.6	423.6	423.6	425.5	425.5	425.5	427.5	431.3
15°	423.6	423.6	421.7	421.7	421.7	421.7	423.6	423.6	425.5	427.5	431.3
17.5°	419.7	419.7	417.8	417.8	417.8	419.7	419.7	421.7	423.6	427.5	431.3
20°	413.9	413.9	413.9	413.9	413.9	415.9	415.9	417.8	421.7	425.5	431.3
22.5°	408.1	408.1	408.1	408.1	408.1	410.1	412.0	415.9	417.8	423.6	429.4
25°	400.4	400.4	400.4	400.4	402.3	404.3	406.2	410.1	413.9	419.7	427.5
27.5°	392.7	394.6	394.6	394.6	396.5	398.5	400.4	404.3	410.1	417.8	423.6
30°	384.9	384.9	384.9	386.8	388.8	390.7	394.6	398.5	404.3	412.0	419.7
32.5°	375.2	375.2	377.2	377.2	381.0	383.0	386.8	392.7	398.5	406.2	413.9
35°	365.6	365.6	365.6	369.4	371.4	375.2	377.2	383.0	390.7	398.5	406.2
37.5°	354.0	355.9	355.9	357.8	361.7	365.6	367.5	375.2	383.0	390.7	398.5
40°	342.4	344.3	344.3	346.2	352.0	354.0	357.8	365.6	371.4	381.0	388.8
42.5°	330.8	330.8	332.7	334.6	340.4	342.4	346.2	354.0	361.7	369.4	377.2
45°	315.3	317.2	319.1	321.1	326.9	330.8	334.6	340.4	348.2	355.9	363.6
47.5°	301.7	301.7	303.7	307.5	313.3	317.2	319.1	326.9	332.7	340.4	348.2
50°	286.3	288.2	288.2	292.1	297.9	301.7	303.7	311.4	317.2	325.0	332.7
52.5°	268.9	270.8	272.7	276.6	282.4	286.3	288.2	294.0	299.8	307.5	313.3
55°	253.4	255.3	255.3	259.2	265.0	266.9	270.8	274.7	282.4	288.2	295.9
57.5°	236.0	237.9	237.9	241.8	245.6	249.5	251.5	257.3	263.1	268.9	274.7
60°	216.6	218.6	220.5	222.4	226.3	230.2	232.1	236.0	241.8	247.6	253.4
62.5°	197.3	199.2	201.2	203.1	207.0	208.9	210.8	216.6	220.5	226.3	230.2
65°	177.9	179.9	181.8	183.8	185.7	187.6	189.6	193.4	197.3	203.1	205.0
67.5°	158.6	160.5	160.5	162.5	164.4	166.3	168.3	172.1	174.1	179.9	181.8
70°	139.3	139.3	139.3	141.2	141.2	143.1	145.1	148.9	150.9	154.7	158.6
72.5°	116.1	118.0	118.0	118.0	119.9	121.9	123.8	125.7	127.7	129.6	133.5
75°	94.8	96.7	94.8	96.7	98.6	98.6	100.6	102.5	104.4	106.4	108.3
77.5°	75.4	73.5	75.4	75.4	77.4	77.4	77.4	79.3	83.2	83.2	87.0
80°	54.2	54.2	54.2	54.2	56.1	56.1	58.0	58.0	61.9	63.8	65.8
82.5°	34.8	34.8	36.8	36.8	36.8	38.7	38.7	40.6	42.6	44.5	46.4
85°	19.3	19.3	19.3	21.3	21.3	23.2	23.2	25.1	27.1	29.0	30.9
87.5°	5.8	7.7	9.7	9.7	11.6	11.6	13.5	13.5	17.4	19.3	21.3
90°	1.9	1.9	3.9	3.9	3.9	5.8	5.8	7.7	7.7	9.7	11.6
92.5°	32.9	77.4	160.5	239.8	207.0	193.4	116.1	34.8	30.9	32.9	32.9
95°	67.7	127.7	234.0	379.1	491.3	560.9	607.4	696.3	787.2	771.8	576.4
97.5°	98.6	164.4	282.4	415.9	570.6	649.9	709.9	816.2	932.3	1029.0	1098.6
100°	129.6	197.3	323.0	462.3	605.4	677.0	746.6	891.7	1005.8	1102.5	1195.4
102.5°	162.5	230.2	359.8	504.8	646.0	715.7	783.4	911.0	1038.7	1154.7	1245.6
105°	195.4	265.0	392.7	541.6	682.8	752.4	818.2	940.0	1058.0	1166.3	1270.8
107.5°	230.2	295.9	421.7	570.6	711.8	781.4	847.2	969.1	1083.2	1191.5	1286.3
110°	261.1	325.0	450.7	597.7	738.9	808.5	874.3	996.1	1108.3	1210.8	1303.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	290.1	352.0	477.8	620.9	760.2	829.8	893.6	1015.5	1127.7	1228.2	1321.1
115°	323.0	377.2	504.8	642.2	779.5	847.2	911.0	1030.9	1143.1	1241.8	1332.7
117.5°	350.1	402.3	528.0	659.6	795.0	860.7	922.6	1042.6	1152.8	1251.5	1340.4
120°	377.2	425.5	549.3	675.0	806.6	870.4	932.3	1050.3	1160.5	1257.3	1344.3
122.5°	404.3	448.7	566.7	690.5	816.2	880.1	940.0	1056.1	1164.4	1259.2	1344.3
125°	429.4	468.1	582.2	702.1	822.1	883.9	942.0	1056.1	1162.5	1255.3	1340.4
127.5°	452.6	489.4	593.8	713.7	825.9	885.9	942.0	1052.2	1158.6	1249.5	1332.7
130°	475.8	508.7	605.4	719.5	829.8	883.9	938.1	1044.5	1148.9	1239.8	1319.1
132.5°	499.0	530.0	615.1	725.3	831.7	883.9	934.2	1036.8	1137.3	1226.3	1301.7
135°	520.3	545.5	624.8	729.2	829.8	880.1	926.5	1023.2	1119.9	1207.0	1280.5
137.5°	539.7	560.9	632.5	731.1	827.9	874.3	920.7	1007.7	1098.6	1183.8	1255.3
140°	557.1	576.4	636.4	731.1	820.1	866.5	909.1	992.3	1075.4	1156.7	1226.3
142.5°	572.5	589.9	642.2	727.3	812.4	856.9	897.5	976.8	1052.2	1129.6	1197.3
145°	588.0	601.5	646.0	725.3	802.7	843.3	882.0	957.4	1030.9	1100.6	1164.4
147.5°	599.6	613.2	649.9	717.6	791.1	827.9	864.6	936.2	1003.9	1069.6	1127.7
150°	611.2	622.8	651.8	709.9	777.6	810.4	843.3	911.0	976.8	1036.8	1090.9
152.5°	622.8	630.6	657.6	702.1	762.1	793.0	825.9	885.9	945.8	1001.9	1054.2
155°	630.6	636.4	659.6	694.4	746.6	773.7	800.8	856.9	911.0	963.3	1011.6
157.5°	638.3	644.1	661.5	688.6	729.2	754.4	777.6	825.9	876.2	922.6	967.1
160°	644.1	648.0	661.5	684.7	713.7	731.1	752.4	796.9	839.5	880.1	918.8
162.5°	649.9	651.8	661.5	678.9	700.2	711.8	727.3	762.1	800.8	835.6	870.4
165°	653.8	655.7	661.5	675.0	688.6	698.3	706.0	731.1	760.2	791.1	820.1
167.5°	657.6	657.6	661.5	671.2	678.9	684.7	690.5	704.1	723.4	746.6	767.9
170°	659.6	659.6	661.5	667.3	673.1	675.0	678.9	686.7	696.3	707.9	721.5
172.5°	659.6	659.6	659.6	663.4	665.4	665.4	665.4	669.2	675.0	682.8	688.6
175°	659.6	657.6	657.6	659.6	657.6	657.6	657.6	657.6	659.6	663.4	665.4
177.5°	659.6	657.6	655.7	655.7	653.8	653.8	651.8	651.8	651.8	651.8	651.8
180°	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5	427.5
2.5°	429.4	429.4	427.5	425.5	425.5	425.5	423.6	421.7	419.7	419.7
5°	429.4	429.4	427.5	427.5	427.5	427.5	425.5	425.5	423.6	423.6
7.5°	431.3	429.4	429.4	429.4	429.4	429.4	429.4	429.4	427.5	427.5
10°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
12.5°	433.3	433.3	433.3	433.3	435.2	435.2	435.2	435.2	435.2	435.2
15°	433.3	435.2	437.1	437.1	437.1	439.1	439.1	439.1	439.1	439.1
17.5°	435.2	437.1	439.1	439.1	441.0	441.0	442.9	442.9	442.9	442.9
20°	435.2	437.1	439.1	441.0	442.9	442.9	444.9	446.8	446.8	444.9
22.5°	433.3	437.1	439.1	441.0	442.9	444.9	446.8	448.7	448.7	448.7
25°	431.3	435.2	439.1	442.9	442.9	444.9	448.7	448.7	448.7	448.7
27.5°	429.4	433.3	437.1	441.0	442.9	444.9	446.8	448.7	448.7	448.7
30°	425.5	431.3	435.2	439.1	441.0	442.9	444.9	446.8	446.8	446.8
32.5°	419.7	425.5	429.4	435.2	437.1	439.1	441.0	442.9	442.9	442.9
35°	413.9	419.7	423.6	429.4	431.3	433.3	437.1	437.1	439.1	439.1
37.5°	404.3	412.0	415.9	421.7	423.6	425.5	429.4	431.3	431.3	431.3
40°	394.6	402.3	406.2	412.0	413.9	415.9	419.7	421.7	423.6	423.6
42.5°	383.0	390.7	394.6	400.4	402.3	404.3	408.1	410.1	412.0	412.0
45°	371.4	377.2	381.0	386.8	390.7	390.7	394.6	396.5	398.5	398.5
47.5°	355.9	361.7	365.6	371.4	375.2	377.2	379.1	381.0	383.0	383.0
50°	338.5	344.3	350.1	354.0	357.8	357.8	361.7	363.6	365.6	365.6
52.5°	321.1	325.0	330.8	336.6	338.5	340.4	342.4	344.3	346.2	346.2
55°	301.7	305.6	311.4	315.3	317.2	319.1	321.1	323.0	325.0	325.0
57.5°	280.5	284.3	290.1	294.0	295.9	297.9	299.8	301.7	303.7	303.7
60°	257.3	261.1	266.9	270.8	272.7	272.7	276.6	278.5	278.5	278.5
62.5°	234.0	237.9	241.8	245.6	247.6	249.5	251.5	253.4	253.4	253.4
65°	210.8	214.7	218.6	220.5	222.4	222.4	224.4	226.3	228.2	228.2
67.5°	185.7	189.6	193.4	195.4	197.3	197.3	199.2	201.2	201.2	201.2
70°	160.5	162.5	166.3	168.3	170.2	170.2	174.1	174.1	174.1	174.1
72.5°	135.4	137.3	141.2	143.1	145.1	145.1	147.0	148.9	148.9	148.9
75°	112.2	114.1	116.1	119.9	119.9	119.9	121.9	123.8	123.8	123.8
77.5°	89.0	90.9	92.8	94.8	96.7	96.7	98.6	100.6	100.6	100.6
80°	67.7	69.6	71.6	73.5	73.5	75.4	75.4	77.4	77.4	77.4
82.5°	48.4	50.3	52.2	54.2	56.1	56.1	58.0	60.0	60.0	58.0
85°	32.9	36.8	38.7	40.6	40.6	40.6	42.6	44.5	44.5	42.6
87.5°	23.2	23.2	25.1	27.1	27.1	29.0	29.0	30.9	30.9	30.9
90°	13.5	13.5	15.5	15.5	17.4	17.4	17.4	19.3	19.3	19.3
92.5°	32.9	32.9	34.8	34.8	34.8	34.8	36.8	36.8	36.8	36.8
95°	352.0	158.6	133.5	81.2	77.4	67.7	65.8	67.7	67.7	65.8
97.5°	1181.8	1265.0	1317.2	1342.4	1311.4	1278.5	1241.8	1236.0	1185.7	1073.5
100°	1274.7	1340.4	1404.3	1448.7	1466.2	1481.6	1516.4	1537.7	1547.4	1557.1
102.5°	1321.1	1390.7	1446.8	1502.9	1526.1	1547.4	1578.3	1603.5	1613.2	1620.9
105°	1361.7	1433.3	1495.2	1545.5	1566.7	1586.1	1617.0	1640.2	1657.6	1659.6
107.5°	1371.4	1446.8	1516.4	1578.3	1603.5	1624.8	1661.5	1678.9	1694.4	1694.4
110°	1388.8	1460.3	1524.2	1580.3	1605.4	1630.6	1669.2	1696.3	1711.8	1715.7



TEST NUMBER: P395778

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (3500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1402.3	1475.8	1535.8	1591.9	1613.2	1636.4	1673.1	1698.3	1711.8	1717.6
115°	1413.9	1485.5	1545.5	1597.7	1620.9	1644.1	1680.9	1702.1	1717.6	1723.4
117.5°	1421.7	1491.3	1551.3	1599.6	1624.8	1644.1	1678.9	1702.1	1717.6	1719.5
120°	1423.6	1493.2	1551.3	1599.6	1620.9	1642.2	1677.0	1700.2	1715.7	1715.7
122.5°	1423.6	1491.3	1549.3	1595.7	1615.1	1634.4	1667.3	1694.4	1707.9	1707.9
125°	1415.9	1483.6	1539.7	1586.1	1605.4	1622.8	1657.6	1682.8	1696.3	1698.3
127.5°	1404.3	1470.0	1526.1	1572.5	1591.9	1607.4	1644.1	1667.3	1680.9	1682.8
130°	1388.8	1454.5	1508.7	1553.2	1572.5	1589.9	1620.9	1646.0	1661.5	1665.4
132.5°	1371.4	1433.3	1487.4	1530.0	1549.3	1564.8	1595.7	1620.9	1634.4	1640.2
135°	1350.1	1408.1	1460.3	1502.9	1522.2	1537.7	1566.7	1591.9	1605.4	1611.2
137.5°	1323.0	1379.1	1429.4	1472.0	1489.4	1504.8	1533.8	1557.1	1568.7	1576.4
140°	1292.1	1344.3	1396.5	1435.2	1452.6	1468.1	1493.2	1518.4	1530.0	1535.8
142.5°	1259.2	1311.4	1357.8	1396.5	1412.0	1427.5	1452.6	1475.8	1487.4	1489.4
145°	1224.4	1274.7	1317.2	1354.0	1367.5	1383.0	1406.2	1429.4	1441.0	1442.9
147.5°	1185.7	1232.1	1272.7	1307.5	1323.0	1334.6	1355.9	1377.2	1388.8	1390.7
150°	1141.2	1183.8	1220.5	1255.3	1268.9	1280.5	1303.7	1323.0	1334.6	1336.6
152.5°	1098.6	1139.3	1170.2	1201.2	1214.7	1226.3	1245.6	1265.0	1276.6	1278.5
155°	1054.2	1090.9	1121.9	1147.0	1158.6	1170.2	1185.7	1203.1	1212.8	1214.7
157.5°	1007.7	1042.6	1069.6	1092.8	1104.4	1114.1	1127.7	1143.1	1148.9	1152.8
160°	957.4	986.5	1009.7	1032.9	1042.6	1052.2	1065.8	1077.4	1085.1	1087.0
162.5°	903.3	928.4	947.8	969.1	974.9	982.6	996.1	1007.7	1013.5	1015.5
165°	847.2	870.4	887.8	905.2	909.1	914.9	924.6	936.2	940.0	943.9
167.5°	791.1	810.4	822.1	837.5	843.3	847.2	856.9	864.6	868.5	870.4
170°	736.9	750.5	760.2	771.8	773.7	779.5	785.3	793.0	795.0	795.0
172.5°	694.4	700.2	706.0	709.9	711.8	713.7	717.6	719.5	719.5	719.5
175°	667.3	671.2	671.2	673.1	673.1	673.1	673.1	673.1	673.1	673.1
177.5°	651.8	651.8	651.8	649.9	649.9	649.9	649.9	648.0	648.0	648.0
180°	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0	648.0

(END OF REPORT)