

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: P395783

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395783
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 (6500K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8394.7 lumens
Efficiency: N/A
Efficacy: 129.1 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

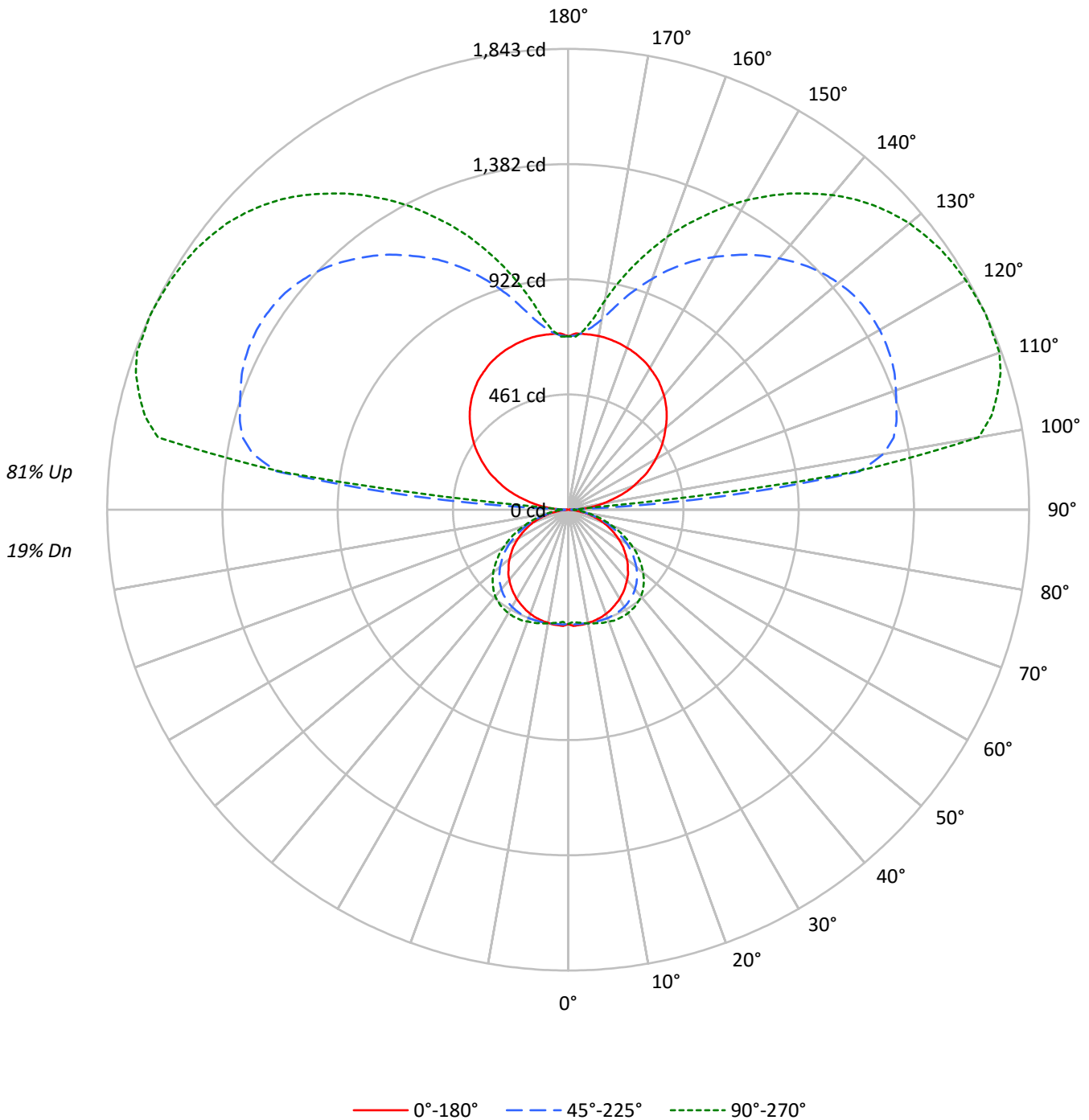
Input Watts (W): 65
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)

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°	2513	2513	2513
5°	2547	2477	2429
10°	2544	2460	2432
15°	2549	2451	2453
20°	2550	2461	2482
25°	2547	2467	2519
30°	2550	2470	2544
35°	2548	2458	2555
40°	2537	2439	2540
45°	2514	2388	2485
50°	2492	2311	2393
55°	2448	2198	2257
60°	2372	2040	2076
65°	2268	1817	1851
70°	2144	1575	1562
75°	1858	1236	1253
80°	1476	887	907
85°	878	517	597



TEST NUMBER: P395783

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	0.5
10°-20°	130.4	1.6
20°-30°	209.9	2.5
30°-40°	270.1	3.2
40°-50°	296.6	3.5
50°-60°	278.8	3.3
60°-70°	216.6	2.6
70°-80°	124.3	1.5
80°-90°	39.8	0.5
90°-100°	536.6	6.4
100°-110°	1275.2	15.2
110°-120°	1281.0	15.3
120°-130°	1174.8	14.0
130°-140°	982.3	11.7
140°-150°	737.3	8.8
150°-160°	480.0	5.7
160°-170°	247.2	2.9
170°-180°	69.9	0.8
0°-30°	384.1	4.6
0°-40°	654.1	7.8
0°-60°	1229.6	14.6
0°-90°	1610.3	19.2
90°-120°	3092.9	36.8
90°-150°	5987.3	71.3
90°-180°	6784.0	80.8
0°-180°	8394.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	463	459	459	457	453	44
15°	453	451	461	468	470	128
25°	428	432	457	474	480	198
35°	391	401	434	461	470	244
45°	337	354	389	418	426	261
55°	271	286	316	339	348	242
65°	190	201	219	238	244	188
75°	101	106	116	128	132	108
85°	21	25	33	43	46	24
90°	2	6	12	19	21	6
95°	72	600	616	83	70	72
105°	209	805	1359	1676	1775	221
115°	346	906	1425	1734	1843	340
125°	459	946	1434	1717	1816	410
135°	556	941	1370	1628	1723	429
145°	629	902	1246	1463	1543	393
155°	674	828	1082	1239	1299	311
165°	699	747	877	972	1010	198
175°	706	703	712	720	720	67
180°	693	693	693	693	693	



TEST NUMBER: P395783

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2
2.5°	465.5	463.4	461.4	461.4	459.3	459.3	459.3	457.2	457.2	457.2	459.3
5°	463.4	463.4	461.4	459.3	459.3	459.3	457.2	457.2	457.2	457.2	459.3
7.5°	463.4	461.4	459.3	459.3	457.2	457.2	457.2	457.2	457.2	457.2	459.3
10°	459.3	459.3	457.2	457.2	455.1	457.2	457.2	457.2	457.2	457.2	461.4
12.5°	457.2	457.2	455.1	453.1	453.1	453.1	455.1	455.1	455.1	457.2	461.4
15°	453.1	453.1	451.0	451.0	451.0	451.0	453.1	453.1	455.1	457.2	461.4
17.5°	448.9	448.9	446.9	446.9	446.9	448.9	448.9	451.0	453.1	457.2	461.4
20°	442.7	442.7	442.7	442.7	442.7	444.8	444.8	446.9	451.0	455.1	461.4
22.5°	436.5	436.5	436.5	436.5	436.5	438.6	440.7	444.8	446.9	453.1	459.3
25°	428.3	428.3	428.3	428.3	430.3	432.4	434.5	438.6	442.7	448.9	457.2
27.5°	420.0	422.0	422.0	422.0	424.1	426.2	428.3	432.4	438.6	446.9	453.1
30°	411.7	411.7	411.7	413.8	415.8	417.9	422.0	426.2	432.4	440.7	448.9
32.5°	401.4	401.4	403.4	403.4	407.6	409.6	413.8	420.0	426.2	434.5	442.7
35°	391.0	391.0	391.0	395.2	397.2	401.4	403.4	409.6	417.9	426.2	434.5
37.5°	378.6	380.7	380.7	382.7	386.9	391.0	393.1	401.4	409.6	417.9	426.2
40°	366.2	368.3	368.3	370.3	376.5	378.6	382.7	391.0	397.2	407.6	415.8
42.5°	353.8	353.8	355.8	357.9	364.1	366.2	370.3	378.6	386.9	395.2	403.4
45°	337.2	339.3	341.4	343.4	349.6	353.8	357.9	364.1	372.4	380.7	388.9
47.5°	322.7	322.7	324.8	328.9	335.2	339.3	341.4	349.6	355.8	364.1	372.4
50°	306.2	308.3	308.3	312.4	318.6	322.7	324.8	333.1	339.3	347.6	355.8
52.5°	287.6	289.6	291.7	295.8	302.1	306.2	308.3	314.5	320.7	328.9	335.2
55°	271.0	273.1	273.1	277.2	283.4	285.5	289.6	293.8	302.1	308.3	316.5
57.5°	252.4	254.5	254.5	258.6	262.7	266.9	269.0	275.2	281.4	287.6	293.8
60°	231.7	233.8	235.9	237.9	242.1	246.2	248.3	252.4	258.6	264.8	271.0
62.5°	211.0	213.1	215.2	217.2	221.4	223.4	225.5	231.7	235.9	242.1	246.2
65°	190.3	192.4	194.5	196.5	198.6	200.7	202.7	206.9	211.0	217.2	219.3
67.5°	169.6	171.7	171.7	173.8	175.9	177.9	180.0	184.1	186.2	192.4	194.5
70°	149.0	149.0	149.0	151.0	151.0	153.1	155.2	159.3	161.4	165.5	169.6
72.5°	124.1	126.2	126.2	126.2	128.3	130.3	132.4	134.5	136.5	138.6	142.8
75°	101.4	103.4	101.4	103.4	105.5	105.5	107.6	109.6	111.7	113.8	115.9
77.5°	80.7	78.6	80.7	80.7	82.8	82.8	82.8	84.8	89.0	89.0	93.1
80°	57.9	57.9	57.9	57.9	60.0	60.0	62.1	62.1	66.2	68.3	70.3
82.5°	37.2	37.2	39.3	39.3	39.3	41.4	41.4	43.4	45.5	47.6	49.7
85°	20.7	20.7	20.7	22.8	22.8	24.8	24.8	26.9	29.0	31.0	33.1
87.5°	6.2	8.3	10.3	10.3	12.4	12.4	14.5	14.5	18.6	20.7	22.8
90°	2.1	2.1	4.1	4.1	4.1	6.2	6.2	8.3	8.3	10.3	12.4
92.5°	35.2	82.8	171.7	256.5	221.4	206.9	124.1	37.2	33.1	35.2	35.2
95°	72.4	136.5	250.3	405.5	525.5	600.0	649.6	744.8	842.0	825.5	616.5
97.5°	105.5	175.9	302.1	444.8	610.3	695.1	759.3	873.1	997.2	1100.6	1175.1
100°	138.6	211.0	345.5	494.5	647.6	724.1	798.6	953.7	1075.8	1179.3	1278.6
102.5°	173.8	246.2	384.8	540.0	691.0	765.5	837.9	974.4	1111.0	1235.1	1332.3
105°	209.0	283.4	420.0	579.3	730.3	804.8	875.1	1005.5	1131.7	1247.5	1359.2
107.5°	246.2	316.5	451.0	610.3	761.3	835.8	906.2	1036.5	1158.6	1274.4	1375.8
110°	279.3	347.6	482.0	639.3	790.3	864.8	935.1	1065.5	1185.5	1295.1	1394.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	310.3	376.5	511.0	664.1	813.1	887.5	955.8	1086.2	1206.1	1313.7	1413.0
115°	345.5	403.4	540.0	686.9	833.8	906.2	974.4	1102.7	1222.7	1328.2	1425.4
117.5°	374.5	430.3	564.8	705.5	850.3	920.6	986.8	1115.1	1233.0	1338.6	1433.7
120°	403.4	455.1	587.6	722.0	862.7	931.0	997.2	1123.4	1241.3	1344.8	1437.9
122.5°	432.4	480.0	606.2	738.6	873.1	941.3	1005.5	1129.6	1245.5	1346.8	1437.9
125°	459.3	500.7	622.7	751.0	879.3	945.5	1007.5	1129.6	1243.4	1342.7	1433.7
127.5°	484.1	523.4	635.1	763.4	883.4	947.5	1007.5	1125.5	1239.2	1336.5	1425.4
130°	508.9	544.1	647.6	769.6	887.5	945.5	1003.4	1117.2	1228.9	1326.1	1411.0
132.5°	533.8	566.9	657.9	775.8	889.6	945.5	999.3	1108.9	1216.5	1311.7	1392.3
135°	556.5	583.4	668.2	780.0	887.5	941.3	991.0	1094.4	1197.9	1291.0	1369.6
137.5°	577.2	600.0	676.5	782.0	885.5	935.1	984.8	1077.9	1175.1	1266.1	1342.7
140°	595.8	616.5	680.7	782.0	877.2	926.8	972.4	1061.3	1150.3	1237.2	1311.7
142.5°	612.4	631.0	686.9	777.9	868.9	916.5	960.0	1044.8	1125.5	1208.2	1280.6
145°	628.9	643.4	691.0	775.8	858.6	902.0	943.4	1024.1	1102.7	1177.2	1245.5
147.5°	641.3	655.8	695.1	767.5	846.2	885.5	924.8	1001.3	1073.7	1144.1	1206.1
150°	653.8	666.2	697.2	759.3	831.7	866.9	902.0	974.4	1044.8	1108.9	1166.8
152.5°	666.2	674.4	703.4	751.0	815.1	848.2	883.4	947.5	1011.7	1071.7	1127.5
155°	674.4	680.7	705.5	742.7	798.6	827.5	856.5	916.5	974.4	1030.3	1082.0
157.5°	682.7	688.9	707.6	736.5	780.0	806.9	831.7	883.4	937.2	986.8	1034.4
160°	688.9	693.1	707.6	732.4	763.4	782.0	804.8	852.4	897.9	941.3	982.7
162.5°	695.1	697.2	707.6	726.2	748.9	761.3	777.9	815.1	856.5	893.7	931.0
165°	699.3	701.3	707.6	722.0	736.5	746.9	755.1	782.0	813.1	846.2	877.2
167.5°	703.4	703.4	707.6	717.9	726.2	732.4	738.6	753.1	773.8	798.6	821.3
170°	705.5	705.5	707.6	713.8	720.0	722.0	726.2	734.4	744.8	757.2	771.7
172.5°	705.5	705.5	705.5	709.6	711.7	711.7	711.7	715.8	722.0	730.3	736.5
175°	705.5	703.4	703.4	705.5	703.4	703.4	703.4	703.4	705.5	709.6	711.7
177.5°	705.5	703.4	701.3	701.3	699.3	699.3	697.2	697.2	697.2	697.2	697.2
180°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2	457.2
2.5°	459.3	459.3	457.2	455.1	455.1	455.1	453.1	451.0	448.9	448.9
5°	459.3	459.3	457.2	457.2	457.2	457.2	455.1	455.1	453.1	453.1
7.5°	461.4	459.3	459.3	459.3	459.3	459.3	459.3	459.3	457.2	457.2
10°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4
12.5°	463.4	463.4	463.4	463.4	465.5	465.5	465.5	465.5	465.5	465.5
15°	463.4	465.5	467.6	467.6	467.6	469.6	469.6	469.6	469.6	469.6
17.5°	465.5	467.6	469.6	469.6	471.7	471.7	473.8	473.8	473.8	473.8
20°	465.5	467.6	469.6	471.7	473.8	473.8	475.8	477.9	477.9	475.8
22.5°	463.4	467.6	469.6	471.7	473.8	475.8	477.9	480.0	480.0	480.0
25°	461.4	465.5	469.6	473.8	473.8	475.8	480.0	480.0	480.0	480.0
27.5°	459.3	463.4	467.6	471.7	473.8	475.8	477.9	480.0	480.0	480.0
30°	455.1	461.4	465.5	469.6	471.7	473.8	475.8	477.9	477.9	477.9
32.5°	448.9	455.1	459.3	465.5	467.6	469.6	471.7	473.8	473.8	473.8
35°	442.7	448.9	453.1	459.3	461.4	463.4	467.6	467.6	469.6	469.6
37.5°	432.4	440.7	444.8	451.0	453.1	455.1	459.3	461.4	461.4	461.4
40°	422.0	430.3	434.5	440.7	442.7	444.8	448.9	451.0	453.1	453.1
42.5°	409.6	417.9	422.0	428.3	430.3	432.4	436.5	438.6	440.7	440.7
45°	397.2	403.4	407.6	413.8	417.9	417.9	422.0	424.1	426.2	426.2
47.5°	380.7	386.9	391.0	397.2	401.4	403.4	405.5	407.6	409.6	409.6
50°	362.1	368.3	374.5	378.6	382.7	382.7	386.9	388.9	391.0	391.0
52.5°	343.4	347.6	353.8	360.0	362.1	364.1	366.2	368.3	370.3	370.3
55°	322.7	326.9	333.1	337.2	339.3	341.4	343.4	345.5	347.6	347.6
57.5°	300.0	304.1	310.3	314.5	316.5	318.6	320.7	322.7	324.8	324.8
60°	275.2	279.3	285.5	289.6	291.7	291.7	295.8	297.9	297.9	297.9
62.5°	250.3	254.5	258.6	262.7	264.8	266.9	269.0	271.0	271.0	271.0
65°	225.5	229.6	233.8	235.9	237.9	237.9	240.0	242.1	244.1	244.1
67.5°	198.6	202.7	206.9	209.0	211.0	211.0	213.1	215.2	215.2	215.2
70°	171.7	173.8	177.9	180.0	182.1	182.1	186.2	186.2	186.2	186.2
72.5°	144.8	146.9	151.0	153.1	155.2	155.2	157.2	159.3	159.3	159.3
75°	120.0	122.1	124.1	128.3	128.3	128.3	130.3	132.4	132.4	132.4
77.5°	95.2	97.2	99.3	101.4	103.4	103.4	105.5	107.6	107.6	107.6
80°	72.4	74.5	76.5	78.6	78.6	80.7	80.7	82.8	82.8	82.8
82.5°	51.7	53.8	55.9	57.9	60.0	60.0	62.1	64.1	64.1	62.1
85°	35.2	39.3	41.4	43.4	43.4	43.4	45.5	47.6	47.6	45.5
87.5°	24.8	24.8	26.9	29.0	29.0	31.0	31.0	33.1	33.1	33.1
90°	14.5	14.5	16.6	16.6	18.6	18.6	18.6	20.7	20.7	20.7
92.5°	35.2	35.2	37.2	37.2	37.2	37.2	39.3	39.3	39.3	39.3
95°	376.5	169.6	142.8	86.9	82.8	72.4	70.3	72.4	72.4	70.3
97.5°	1264.1	1353.0	1408.9	1435.8	1402.7	1367.5	1328.2	1322.0	1268.2	1148.2
100°	1363.4	1433.7	1502.0	1549.6	1568.2	1584.7	1622.0	1644.7	1655.1	1665.4
102.5°	1413.0	1487.5	1547.5	1607.5	1632.3	1655.1	1688.2	1715.1	1725.4	1733.7
105°	1456.5	1533.0	1599.2	1653.0	1675.8	1696.5	1729.6	1754.4	1773.0	1775.1
107.5°	1466.8	1547.5	1622.0	1688.2	1715.1	1737.8	1777.2	1795.8	1812.3	1812.3
110°	1485.4	1562.0	1630.3	1690.3	1717.2	1744.1	1785.4	1814.4	1830.9	1835.1



TEST NUMBER: P395783

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1499.9	1578.5	1642.7	1702.7	1725.4	1750.3	1789.6	1816.5	1830.9	1837.1
115°	1512.3	1588.9	1653.0	1708.9	1733.7	1758.5	1797.8	1820.6	1837.1	1843.4
117.5°	1520.6	1595.1	1659.2	1710.9	1737.8	1758.5	1795.8	1820.6	1837.1	1839.2
120°	1522.7	1597.2	1659.2	1710.9	1733.7	1756.5	1793.7	1818.5	1835.1	1835.1
122.5°	1522.7	1595.1	1657.2	1706.8	1727.5	1748.2	1783.4	1812.3	1826.8	1826.8
125°	1514.4	1586.8	1646.8	1696.5	1717.2	1735.8	1773.0	1799.9	1814.4	1816.5
127.5°	1502.0	1572.3	1632.3	1682.0	1702.7	1719.2	1758.5	1783.4	1797.8	1799.9
130°	1485.4	1555.8	1613.7	1661.3	1682.0	1700.6	1733.7	1760.6	1777.2	1781.3
132.5°	1466.8	1533.0	1591.0	1636.5	1657.2	1673.7	1706.8	1733.7	1748.2	1754.4
135°	1444.1	1506.1	1562.0	1607.5	1628.2	1644.7	1675.8	1702.7	1717.2	1723.4
137.5°	1415.1	1475.1	1528.9	1574.4	1593.0	1609.6	1640.6	1665.4	1677.8	1686.1
140°	1382.0	1437.9	1493.7	1535.1	1553.7	1570.3	1597.2	1624.1	1636.5	1642.7
142.5°	1346.8	1402.7	1452.3	1493.7	1510.3	1526.8	1553.7	1578.5	1591.0	1593.0
145°	1309.6	1363.4	1408.9	1448.2	1462.7	1479.2	1504.1	1528.9	1541.3	1543.4
147.5°	1268.2	1317.9	1361.3	1398.6	1415.1	1427.5	1450.3	1473.0	1485.4	1487.5
150°	1220.6	1266.1	1305.5	1342.7	1357.2	1369.6	1394.4	1415.1	1427.5	1429.6
152.5°	1175.1	1218.6	1251.7	1284.8	1299.2	1311.7	1332.3	1353.0	1365.4	1367.5
155°	1127.5	1166.8	1199.9	1226.8	1239.2	1251.7	1268.2	1286.8	1297.2	1299.2
157.5°	1077.9	1115.1	1144.1	1168.9	1181.3	1191.7	1206.1	1222.7	1228.9	1233.0
160°	1024.1	1055.1	1079.9	1104.8	1115.1	1125.5	1139.9	1152.4	1160.6	1162.7
162.5°	966.2	993.1	1013.7	1036.5	1042.7	1051.0	1065.5	1077.9	1084.1	1086.2
165°	906.2	931.0	949.6	968.2	972.4	978.6	988.9	1001.3	1005.5	1009.6
167.5°	846.2	866.9	879.3	895.8	902.0	906.2	916.5	924.8	928.9	931.0
170°	788.2	802.7	813.1	825.5	827.5	833.8	840.0	848.2	850.3	850.3
172.5°	742.7	748.9	755.1	759.3	761.3	763.4	767.5	769.6	769.6	769.6
175°	713.8	717.9	717.9	720.0	720.0	720.0	720.0	720.0	720.0	720.0
177.5°	697.2	697.2	697.2	695.1	695.1	695.1	695.1	693.1	693.1	693.1
180°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1

(END OF REPORT)