

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: P395780

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395780
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 (4500K)
Description: CORELITE I3, OPEN TOP
8000 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: 8161.7 lumens
Efficiency: N/A
Efficacy: 128.5 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

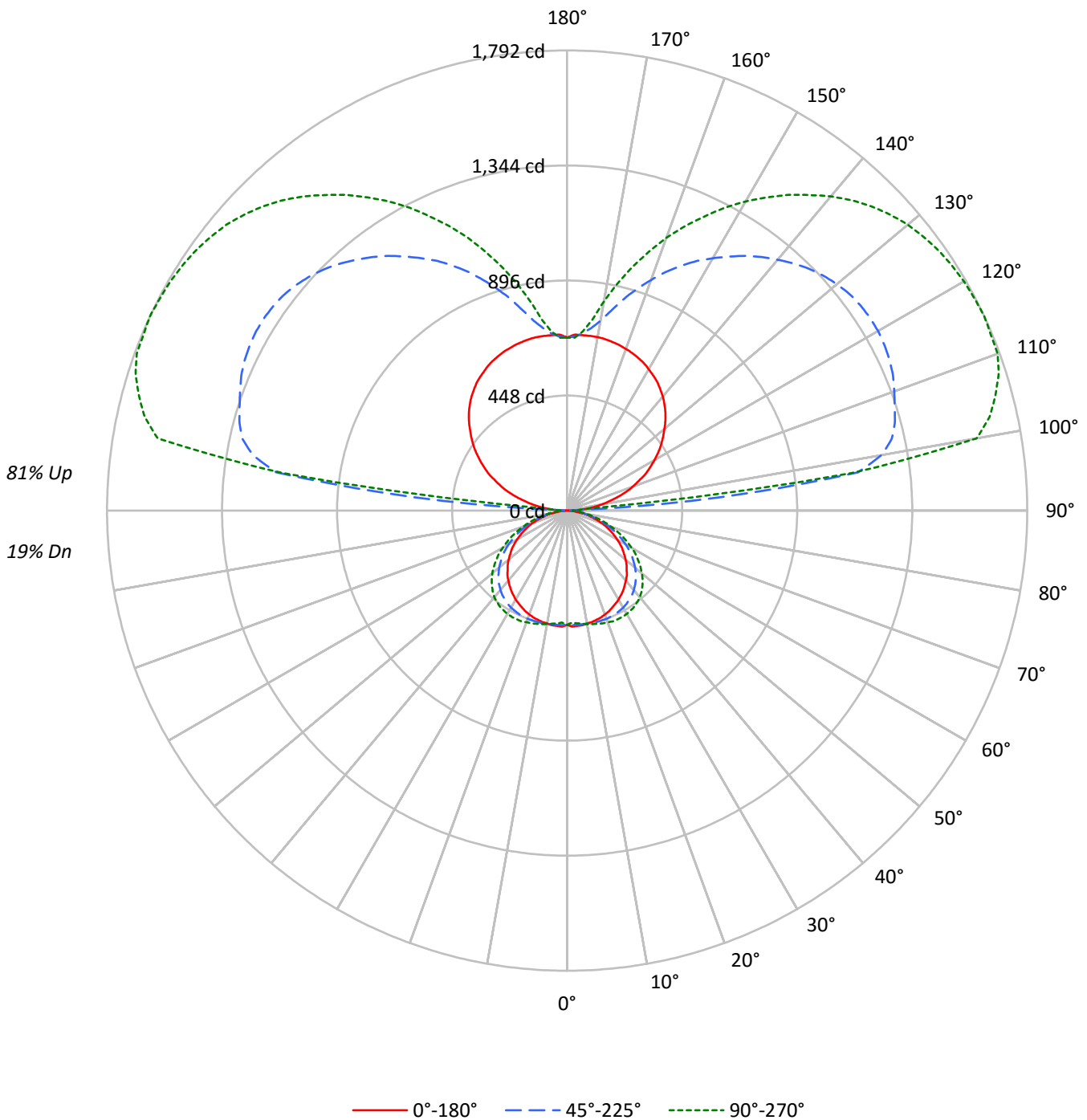
Input Watts (W): 63.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395780

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)

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	50	30	10	0		
RCR																										
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	28	28	28	19					19			
1	91	87	83	79	80	76	73	71	58	56	54	40	39	38	24	24	23	16					16			
2	82	75	69	64	72	67	62	58	50	47	44	35	33	31	21	20	19	13					13			
3	75	66	59	53	66	58	52	48	44	40	37	31	28	26	19	17	16	11					11			
4	68	58	51	45	60	51	45	40	39	35	31	27	24	22	16	15	14	9					9			
5	63	51	44	38	55	46	39	34	35	30	26	24	21	19	15	13	12	8					8			
6	57	46	38	33	50	41	34	29	31	26	23	22	19	16	13	12	10	7					7			
7	53	41	34	28	46	37	30	25	28	23	20	20	17	14	12	10	9	6					6			
8	49	37	30	25	43	33	27	22	25	21	17	18	15	13	11	9	8	5					5			
9	45	34	26	22	40	30	24	20	23	18	15	16	13	11	10	8	7	5					5			
10	42	31	24	19	37	27	21	17	21	17	14	15	12	10	9	8	6	4					4			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2443	2443	2443
5°	2477	2408	2362
10°	2473	2392	2365
15°	2478	2383	2385
20°	2479	2393	2413
25°	2476	2398	2450
30°	2480	2402	2473
35°	2477	2390	2484
40°	2466	2372	2470
45°	2445	2323	2416
50°	2423	2247	2327
55°	2380	2138	2194
60°	2307	1984	2018
65°	2206	1766	1801
70°	2083	1532	1518
75°	1807	1200	1218
80°	1436	863	882
85°	853	503	581



TEST NUMBER: P395780

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	0.5
10°-20°	126.8	1.6
20°-30°	204.0	2.5
30°-40°	262.6	3.2
40°-50°	288.4	3.5
50°-60°	271.1	3.3
60°-70°	210.6	2.6
70°-80°	120.8	1.5
80°-90°	38.7	0.5
90°-100°	521.7	6.4
100°-110°	1239.8	15.2
110°-120°	1245.5	15.3
120°-130°	1142.2	14.0
130°-140°	955.1	11.7
140°-150°	716.8	8.8
150°-160°	466.6	5.7
160°-170°	240.3	2.9
170°-180°	68.0	0.8
0°-30°	373.4	4.6
0°-40°	636.0	7.8
0°-60°	1195.5	14.6
0°-90°	1565.6	19.2
90°-120°	3007.1	36.8
90°-150°	5821.2	71.3
90°-180°	6596.0	80.8
0°-180°	8161.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	451	446	446	444	440	43
15°	440	438	449	455	457	124
25°	416	420	444	461	467	192
35°	380	390	422	449	457	238
45°	328	344	378	406	414	253
55°	264	278	308	330	338	235
65°	185	195	213	231	237	183
75°	99	103	113	125	129	105
85°	20	24	32	42	44	24
90°	2	6	12	18	20	6
95°	70	583	599	80	68	70
105°	203	782	1322	1629	1726	215
115°	336	881	1386	1686	1792	330
125°	446	919	1394	1670	1766	399
135°	541	915	1332	1583	1676	417
145°	612	877	1211	1422	1500	382
155°	656	805	1052	1205	1263	303
165°	680	726	853	945	982	192
175°	686	684	692	700	700	65
180°	674	674	674	674	674	



TEST NUMBER: P395780

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	452.6	450.6	448.6	448.6	446.5	446.5	446.5	444.5	444.5	444.5	446.5
5°	450.6	450.6	448.6	446.5	446.5	446.5	444.5	444.5	444.5	444.5	446.5
7.5°	450.6	448.6	446.5	446.5	444.5	444.5	444.5	444.5	444.5	444.5	446.5
10°	446.5	446.5	444.5	444.5	442.5	444.5	444.5	444.5	444.5	444.5	448.6
12.5°	444.5	444.5	442.5	440.5	440.5	440.5	442.5	442.5	442.5	444.5	448.6
15°	440.5	440.5	438.5	438.5	438.5	438.5	440.5	440.5	442.5	444.5	448.6
17.5°	436.5	436.5	434.5	434.5	434.5	436.5	436.5	438.5	440.5	444.5	448.6
20°	430.4	430.4	430.4	430.4	430.4	432.5	432.5	434.5	438.5	442.5	448.6
22.5°	424.4	424.4	424.4	424.4	424.4	426.4	428.4	432.5	434.5	440.5	446.5
25°	416.4	416.4	416.4	416.4	418.4	420.4	422.4	426.4	430.4	436.5	444.5
27.5°	408.3	410.3	410.3	410.3	412.3	414.4	416.4	420.4	426.4	434.5	440.5
30°	400.3	400.3	400.3	402.3	404.3	406.3	410.3	414.4	420.4	428.4	436.5
32.5°	390.2	390.2	392.2	392.2	396.3	398.3	402.3	408.3	414.4	422.4	430.4
35°	380.2	380.2	380.2	384.2	386.2	390.2	392.2	398.3	406.3	414.4	422.4
37.5°	368.1	370.1	370.1	372.1	376.1	380.2	382.2	390.2	398.3	406.3	414.4
40°	356.0	358.0	358.0	360.0	366.1	368.1	372.1	380.2	386.2	396.3	404.3
42.5°	344.0	344.0	346.0	348.0	354.0	356.0	360.0	368.1	376.1	384.2	392.2
45°	327.9	329.9	331.9	333.9	339.9	344.0	348.0	354.0	362.1	370.1	378.2
47.5°	313.8	313.8	315.8	319.8	325.9	329.9	331.9	339.9	346.0	354.0	362.1
50°	297.7	299.7	299.7	303.7	309.8	313.8	315.8	323.8	329.9	337.9	346.0
52.5°	279.6	281.6	283.6	287.6	293.7	297.7	299.7	305.7	311.8	319.8	325.9
55°	263.5	265.5	265.5	269.5	275.6	277.6	281.6	285.6	293.7	299.7	307.8
57.5°	245.4	247.4	247.4	251.4	255.5	259.5	261.5	267.5	273.6	279.6	285.6
60°	225.3	227.3	229.3	231.3	235.3	239.4	241.4	245.4	251.4	257.5	263.5
62.5°	205.2	207.2	209.2	211.2	215.2	217.2	219.2	225.3	229.3	235.3	239.4
65°	185.1	187.1	189.1	191.1	193.1	195.1	197.1	201.1	205.2	211.2	213.2
67.5°	164.9	167.0	167.0	169.0	171.0	173.0	175.0	179.0	181.0	187.1	189.1
70°	144.8	144.8	144.8	146.8	146.8	148.8	150.9	154.9	156.9	160.9	164.9
72.5°	120.7	122.7	122.7	122.7	124.7	126.7	128.7	130.7	132.8	134.8	138.8
75°	98.6	100.6	98.6	100.6	102.6	102.6	104.6	106.6	108.6	110.6	112.6
77.5°	78.4	76.4	78.4	78.4	80.5	80.5	80.5	82.5	86.5	86.5	90.5
80°	56.3	56.3	56.3	56.3	58.3	58.3	60.3	60.3	64.4	66.4	68.4
82.5°	36.2	36.2	38.2	38.2	38.2	40.2	40.2	42.2	44.3	46.3	48.3
85°	20.1	20.1	20.1	22.1	22.1	24.1	24.1	26.1	28.2	30.2	32.2
87.5°	6.0	8.0	10.1	10.1	12.1	12.1	14.1	14.1	18.1	20.1	22.1
90°	2.0	2.0	4.0	4.0	4.0	6.0	6.0	8.0	8.0	10.1	12.1
92.5°	34.2	80.5	167.0	249.4	215.2	201.1	120.7	36.2	32.2	34.2	34.2
95°	70.4	132.8	243.4	394.2	510.9	583.3	631.6	724.1	818.7	802.6	599.4
97.5°	102.6	171.0	293.7	432.5	593.4	675.8	738.2	848.8	969.5	1070.1	1142.5
100°	134.8	205.2	335.9	480.7	629.6	704.0	776.4	927.3	1046.0	1146.5	1243.1
102.5°	169.0	239.4	374.1	525.0	671.8	744.2	814.6	947.4	1080.1	1200.8	1295.4
105°	203.2	275.6	408.3	563.2	710.0	782.5	850.8	977.6	1100.3	1212.9	1321.5
107.5°	239.4	307.8	438.5	593.4	740.2	812.6	881.0	1007.7	1126.4	1239.1	1337.6
110°	271.5	337.9	468.7	621.5	768.4	840.8	909.2	1035.9	1152.6	1259.2	1355.7



TEST NUMBER: P395780

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	301.7	366.1	496.8	645.7	790.5	862.9	929.3	1056.0	1172.7	1277.3	1373.8
115°	335.9	392.2	525.0	667.8	810.6	881.0	947.4	1072.1	1188.8	1291.3	1385.9
117.5°	364.1	418.4	549.1	685.9	826.7	895.1	959.5	1084.2	1198.8	1301.4	1393.9
120°	392.2	442.5	571.3	702.0	838.8	905.2	969.5	1092.2	1206.9	1307.4	1398.0
122.5°	420.4	466.7	589.4	718.1	848.8	915.2	977.6	1098.3	1210.9	1309.5	1398.0
125°	446.5	486.8	605.4	730.2	854.9	919.2	979.6	1098.3	1208.9	1305.4	1393.9
127.5°	470.7	508.9	617.5	742.2	858.9	921.2	979.6	1094.2	1204.9	1299.4	1385.9
130°	494.8	529.0	629.6	748.3	862.9	919.2	975.6	1086.2	1194.8	1289.3	1371.8
132.5°	519.0	551.1	639.6	754.3	864.9	919.2	971.5	1078.1	1182.7	1275.3	1353.7
135°	541.1	567.2	649.7	758.3	862.9	915.2	963.5	1064.1	1164.6	1255.1	1331.6
137.5°	561.2	583.3	657.7	760.3	860.9	909.2	957.4	1048.0	1142.5	1231.0	1305.4
140°	579.3	599.4	661.8	760.3	852.9	901.1	945.4	1031.9	1118.4	1202.8	1275.3
142.5°	595.4	613.5	667.8	756.3	844.8	891.1	933.3	1015.8	1094.2	1174.7	1245.1
145°	611.5	625.6	671.8	754.3	834.8	877.0	917.2	995.7	1072.1	1144.5	1210.9
147.5°	623.5	637.6	675.8	746.2	822.7	860.9	899.1	973.5	1043.9	1112.3	1172.7
150°	635.6	647.7	677.9	738.2	808.6	842.8	877.0	947.4	1015.8	1078.1	1134.5
152.5°	647.7	655.7	683.9	730.2	792.5	824.7	858.9	921.2	983.6	1041.9	1096.2
155°	655.7	661.8	685.9	722.1	776.4	804.6	832.7	891.1	947.4	1001.7	1052.0
157.5°	663.8	669.8	687.9	716.1	758.3	784.5	808.6	858.9	911.2	959.5	1005.7
160°	669.8	673.8	687.9	712.1	742.2	760.3	782.5	828.7	873.0	915.2	955.4
162.5°	675.8	677.9	687.9	706.0	728.1	740.2	756.3	792.5	832.7	868.9	905.2
165°	679.9	681.9	687.9	702.0	716.1	726.1	734.2	760.3	790.5	822.7	852.9
167.5°	683.9	683.9	687.9	698.0	706.0	712.1	718.1	732.2	752.3	776.4	798.5
170°	685.9	685.9	687.9	693.9	700.0	702.0	706.0	714.1	724.1	736.2	750.3
172.5°	685.9	685.9	685.9	689.9	691.9	691.9	691.9	696.0	702.0	710.0	716.1
175°	685.9	683.9	683.9	685.9	683.9	683.9	683.9	683.9	685.9	689.9	691.9
177.5°	685.9	683.9	681.9	681.9	679.9	679.9	677.9	677.9	677.9	677.9	677.9
180°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5	444.5
2.5°	446.5	446.5	444.5	442.5	442.5	442.5	440.5	438.5	436.5	436.5
5°	446.5	446.5	444.5	444.5	444.5	444.5	442.5	442.5	440.5	440.5
7.5°	448.6	446.5	446.5	446.5	446.5	446.5	446.5	446.5	444.5	444.5
10°	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6	448.6
12.5°	450.6	450.6	450.6	450.6	452.6	452.6	452.6	452.6	452.6	452.6
15°	450.6	452.6	454.6	454.6	454.6	456.6	456.6	456.6	456.6	456.6
17.5°	452.6	454.6	456.6	456.6	458.6	458.6	460.6	460.6	460.6	460.6
20°	452.6	454.6	456.6	458.6	460.6	460.6	462.6	464.6	464.6	462.6
22.5°	450.6	454.6	456.6	458.6	460.6	462.6	464.6	466.7	466.7	466.7
25°	448.6	452.6	456.6	460.6	460.6	462.6	466.7	466.7	466.7	466.7
27.5°	446.5	450.6	454.6	458.6	460.6	462.6	464.6	466.7	466.7	466.7
30°	442.5	448.6	452.6	456.6	458.6	460.6	462.6	464.6	464.6	464.6
32.5°	436.5	442.5	446.5	452.6	454.6	456.6	458.6	460.6	460.6	460.6
35°	430.4	436.5	440.5	446.5	448.6	450.6	454.6	454.6	456.6	456.6
37.5°	420.4	428.4	432.5	438.5	440.5	442.5	446.5	448.6	448.6	448.6
40°	410.3	418.4	422.4	428.4	430.4	432.5	436.5	438.5	440.5	440.5
42.5°	398.3	406.3	410.3	416.4	418.4	420.4	424.4	426.4	428.4	428.4
45°	386.2	392.2	396.3	402.3	406.3	406.3	410.3	412.3	414.4	414.4
47.5°	370.1	376.1	380.2	386.2	390.2	392.2	394.2	396.3	398.3	398.3
50°	352.0	358.0	364.1	368.1	372.1	372.1	376.1	378.2	380.2	380.2
52.5°	333.9	337.9	344.0	350.0	352.0	354.0	356.0	358.0	360.0	360.0
55°	313.8	317.8	323.8	327.9	329.9	331.9	333.9	335.9	337.9	337.9
57.5°	291.7	295.7	301.7	305.7	307.8	309.8	311.8	313.8	315.8	315.8
60°	267.5	271.5	277.6	281.6	283.6	283.6	287.6	289.6	289.6	289.6
62.5°	243.4	247.4	251.4	255.5	257.5	259.5	261.5	263.5	263.5	263.5
65°	219.2	223.3	227.3	229.3	231.3	231.3	233.3	235.3	237.4	237.4
67.5°	193.1	197.1	201.1	203.2	205.2	205.2	207.2	209.2	209.2	209.2
70°	167.0	169.0	173.0	175.0	177.0	177.0	181.0	181.0	181.0	181.0
72.5°	140.8	142.8	146.8	148.8	150.9	150.9	152.9	154.9	154.9	154.9
75°	116.7	118.7	120.7	124.7	124.7	124.7	126.7	128.7	128.7	128.7
77.5°	92.5	94.5	96.5	98.6	100.6	100.6	102.6	104.6	104.6	104.6
80°	70.4	72.4	74.4	76.4	76.4	78.4	78.4	80.5	80.5	80.5
82.5°	50.3	52.3	54.3	56.3	58.3	58.3	60.3	62.4	62.4	60.3
85°	34.2	38.2	40.2	42.2	42.2	42.2	44.3	46.3	46.3	44.3
87.5°	24.1	24.1	26.1	28.2	28.2	30.2	30.2	32.2	32.2	32.2
90°	14.1	14.1	16.1	16.1	18.1	18.1	18.1	20.1	20.1	20.1
92.5°	34.2	34.2	36.2	36.2	36.2	36.2	38.2	38.2	38.2	38.2
95°	366.1	164.9	138.8	84.5	80.5	70.4	68.4	70.4	70.4	68.4
97.5°	1229.0	1315.5	1369.8	1395.9	1363.8	1329.6	1291.3	1285.3	1233.0	1116.4
100°	1325.5	1393.9	1460.3	1506.6	1524.7	1540.8	1577.0	1599.1	1609.2	1619.2
102.5°	1373.8	1446.2	1504.6	1562.9	1587.0	1609.2	1641.3	1667.5	1677.5	1685.6
105°	1416.1	1490.5	1554.8	1607.1	1629.3	1649.4	1681.6	1705.7	1723.8	1725.8
107.5°	1426.1	1504.6	1577.0	1641.3	1667.5	1689.6	1727.8	1745.9	1762.0	1762.0
110°	1444.2	1518.6	1585.0	1643.4	1669.5	1695.7	1735.9	1764.0	1780.1	1784.2



TEST NUMBER: P395780

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1458.3	1534.7	1597.1	1655.4	1677.5	1701.7	1739.9	1766.1	1780.1	1786.2
115°	1470.4	1544.8	1607.1	1661.5	1685.6	1709.7	1747.9	1770.1	1786.2	1792.2
117.5°	1478.4	1550.8	1613.2	1663.5	1689.6	1709.7	1745.9	1770.1	1786.2	1788.2
120°	1480.4	1552.8	1613.2	1663.5	1685.6	1707.7	1743.9	1768.1	1784.2	1784.2
122.5°	1480.4	1550.8	1611.2	1659.4	1679.6	1699.7	1733.9	1762.0	1776.1	1776.1
125°	1472.4	1542.8	1601.1	1649.4	1669.5	1687.6	1723.8	1750.0	1764.0	1766.1
127.5°	1460.3	1528.7	1587.0	1635.3	1655.4	1671.5	1709.7	1733.9	1747.9	1750.0
130°	1444.2	1512.6	1568.9	1615.2	1635.3	1653.4	1685.6	1711.7	1727.8	1731.9
132.5°	1426.1	1490.5	1546.8	1591.1	1611.2	1627.3	1659.4	1685.6	1699.7	1705.7
135°	1404.0	1464.3	1518.6	1562.9	1583.0	1599.1	1629.3	1655.4	1669.5	1675.5
137.5°	1375.8	1434.2	1486.5	1530.7	1548.8	1564.9	1595.1	1619.2	1631.3	1639.3
140°	1343.6	1398.0	1452.3	1492.5	1510.6	1526.7	1552.8	1579.0	1591.1	1597.1
142.5°	1309.5	1363.8	1412.0	1452.3	1468.4	1484.4	1510.6	1534.7	1546.8	1548.8
145°	1273.2	1325.5	1369.8	1408.0	1422.1	1438.2	1462.3	1486.5	1498.5	1500.5
147.5°	1233.0	1281.3	1323.5	1359.7	1375.8	1387.9	1410.0	1432.2	1444.2	1446.2
150°	1186.8	1231.0	1269.2	1305.4	1319.5	1331.6	1355.7	1375.8	1387.9	1389.9
152.5°	1142.5	1184.7	1216.9	1249.1	1263.2	1275.3	1295.4	1315.5	1327.6	1329.6
155°	1096.2	1134.5	1166.6	1192.8	1204.9	1216.9	1233.0	1251.1	1261.2	1263.2
157.5°	1048.0	1084.2	1112.3	1136.5	1148.5	1158.6	1172.7	1188.8	1194.8	1198.8
160°	995.7	1025.8	1050.0	1074.1	1084.2	1094.2	1108.3	1120.4	1128.4	1130.4
162.5°	939.3	965.5	985.6	1007.7	1013.8	1021.8	1035.9	1048.0	1054.0	1056.0
165°	881.0	905.2	923.3	941.4	945.4	951.4	961.5	973.5	977.6	981.6
167.5°	822.7	842.8	854.9	871.0	877.0	881.0	891.1	899.1	903.1	905.2
170°	766.4	780.4	790.5	802.6	804.6	810.6	816.6	824.7	826.7	826.7
172.5°	722.1	728.1	734.2	738.2	740.2	742.2	746.2	748.3	748.3	748.3
175°	693.9	698.0	698.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0
177.5°	677.9	677.9	677.9	675.8	675.8	675.8	675.8	673.8	673.8	673.8
180°	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8	673.8

(END OF REPORT)