

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: P395776

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395776
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 (2700K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7374.5 lumens
Efficiency: N/A
Efficacy: 118.4 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

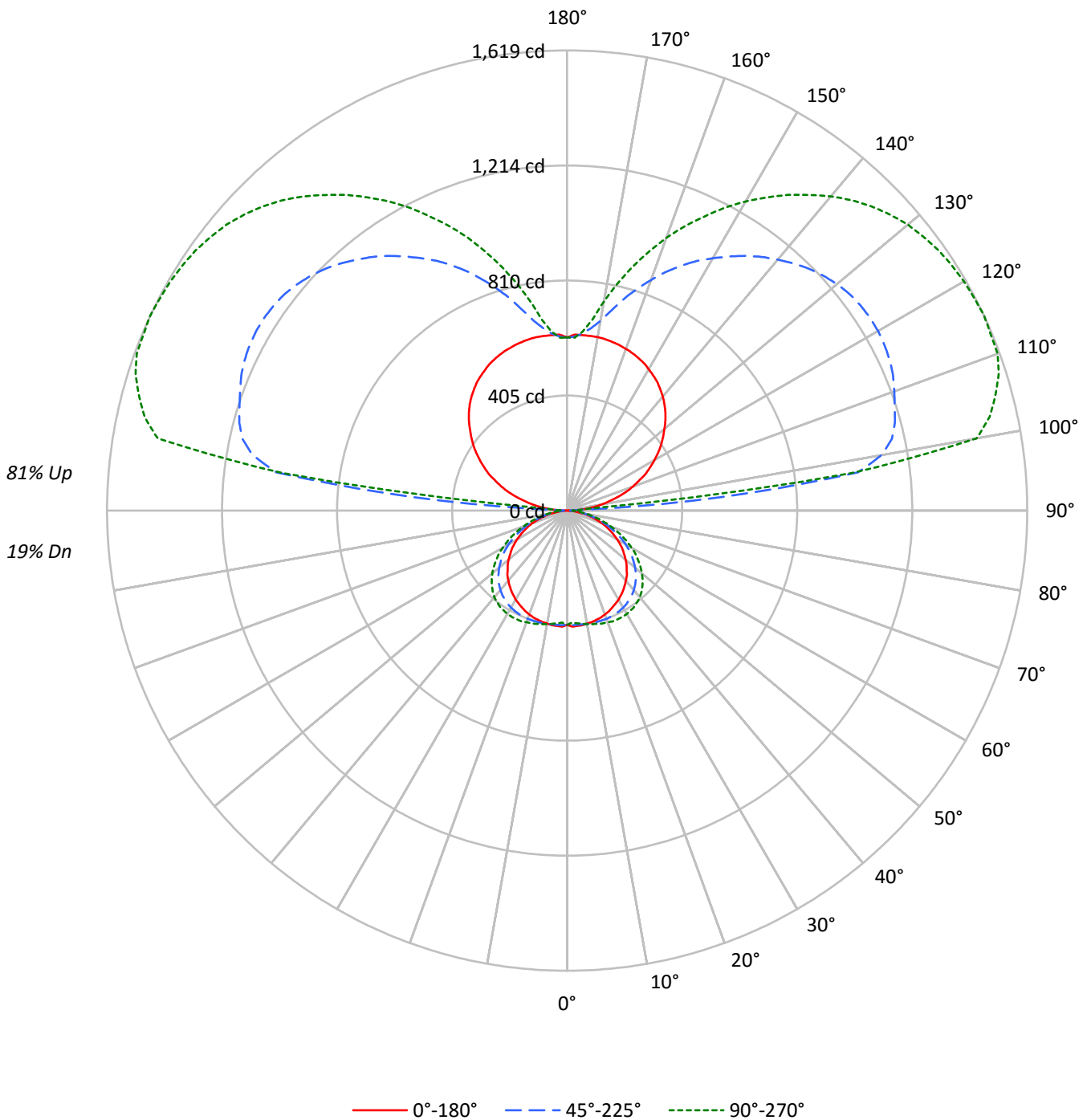
Input Watts (W): 62.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395776

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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°	2208	2208	2208
5°	2238	2176	2134
10°	2235	2161	2137
15°	2239	2153	2155
20°	2240	2162	2180
25°	2237	2168	2213
30°	2241	2170	2234
35°	2238	2159	2245
40°	2229	2143	2232
45°	2208	2098	2183
50°	2189	2030	2102
55°	2151	1932	1982
60°	2085	1792	1824
65°	1993	1595	1627
70°	1883	1384	1372
75°	1633	1085	1101
80°	1298	780	796
85°	772	454	524



TEST NUMBER: P395776

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	0.5
10°-20°	114.6	1.6
20°-30°	184.4	2.5
30°-40°	237.2	3.2
40°-50°	260.6	3.5
50°-60°	244.9	3.3
60°-70°	190.3	2.6
70°-80°	109.2	1.5
80°-90°	35.0	0.5
90°-100°	471.4	6.4
100°-110°	1120.3	15.2
110°-120°	1125.3	15.3
120°-130°	1032.0	14.0
130°-140°	862.9	11.7
140°-150°	647.7	8.8
150°-160°	421.6	5.7
160°-170°	217.1	2.9
170°-180°	61.4	0.8
0°-30°	337.4	4.6
0°-40°	574.6	7.8
0°-60°	1080.2	14.6
0°-90°	1414.6	19.2
90°-120°	2717.0	36.8
90°-150°	5259.7	71.3
90°-180°	5960.0	80.8
0°-180°	7374.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	402	402	402	402	402	
5°	407	404	404	402	398	39
15°	398	396	405	411	413	112
25°	376	380	402	416	422	174
35°	344	353	382	405	413	215
45°	296	311	342	367	374	229
55°	238	251	278	298	305	212
65°	167	176	193	209	214	166
75°	89	93	102	113	116	95
85°	18	22	29	38	40	22
90°	2	6	11	16	18	5
95°	64	527	542	73	62	63
105°	184	707	1194	1472	1559	194
115°	304	796	1252	1523	1619	298
125°	404	831	1260	1508	1596	360
135°	489	827	1203	1430	1514	377
145°	552	792	1094	1285	1356	345
155°	592	727	950	1089	1141	274
165°	614	656	771	854	887	174
175°	620	618	625	632	632	59
180°	609	609	609	609	609	



TEST NUMBER: P395776

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7
2.5°	408.9	407.1	405.3	405.3	403.5	403.5	403.5	401.7	401.7	401.7	403.5
5°	407.1	407.1	405.3	403.5	403.5	403.5	401.7	401.7	401.7	401.7	403.5
7.5°	407.1	405.3	403.5	403.5	401.7	401.7	401.7	401.7	401.7	401.7	403.5
10°	403.5	403.5	401.7	401.7	399.8	401.7	401.7	401.7	401.7	401.7	405.3
12.5°	401.7	401.7	399.8	398.0	398.0	398.0	399.8	399.8	399.8	401.7	405.3
15°	398.0	398.0	396.2	396.2	396.2	396.2	398.0	398.0	399.8	401.7	405.3
17.5°	394.4	394.4	392.6	392.6	392.6	394.4	394.4	396.2	398.0	401.7	405.3
20°	388.9	388.9	388.9	388.9	388.9	390.7	390.7	392.6	396.2	399.8	405.3
22.5°	383.5	383.5	383.5	383.5	383.5	385.3	387.1	390.7	392.6	398.0	403.5
25°	376.2	376.2	376.2	376.2	378.0	379.8	381.7	385.3	388.9	394.4	401.7
27.5°	368.9	370.8	370.8	370.8	372.6	374.4	376.2	379.8	385.3	392.6	398.0
30°	361.7	361.7	361.7	363.5	365.3	367.1	370.8	374.4	379.8	387.1	394.4
32.5°	352.6	352.6	354.4	354.4	358.0	359.9	363.5	368.9	374.4	381.7	388.9
35°	343.5	343.5	343.5	347.1	348.9	352.6	354.4	359.9	367.1	374.4	381.7
37.5°	332.6	334.4	334.4	336.2	339.9	343.5	345.3	352.6	359.9	367.1	374.4
40°	321.7	323.5	323.5	325.3	330.8	332.6	336.2	343.5	348.9	358.0	365.3
42.5°	310.8	310.8	312.6	314.4	319.9	321.7	325.3	332.6	339.9	347.1	354.4
45°	296.2	298.1	299.9	301.7	307.1	310.8	314.4	319.9	327.1	334.4	341.7
47.5°	283.5	283.5	285.3	289.0	294.4	298.1	299.9	307.1	312.6	319.9	327.1
50°	269.0	270.8	270.8	274.4	279.9	283.5	285.3	292.6	298.1	305.3	312.6
52.5°	252.6	254.4	256.3	259.9	265.3	269.0	270.8	276.2	281.7	289.0	294.4
55°	238.1	239.9	239.9	243.5	249.0	250.8	254.4	258.1	265.3	270.8	278.1
57.5°	221.7	223.5	223.5	227.2	230.8	234.4	236.3	241.7	247.2	252.6	258.1
60°	203.6	205.4	207.2	209.0	212.6	216.3	218.1	221.7	227.2	232.6	238.1
62.5°	185.4	187.2	189.0	190.8	194.5	196.3	198.1	203.6	207.2	212.6	216.3
65°	167.2	169.0	170.8	172.7	174.5	176.3	178.1	181.7	185.4	190.8	192.6
67.5°	149.0	150.8	150.8	152.7	154.5	156.3	158.1	161.8	163.6	169.0	170.8
70°	130.9	130.9	130.9	132.7	132.7	134.5	136.3	139.9	141.8	145.4	149.0
72.5°	109.0	110.9	110.9	110.9	112.7	114.5	116.3	118.1	120.0	121.8	125.4
75°	89.1	90.9	89.1	90.9	92.7	92.7	94.5	96.3	98.1	100.0	101.8
77.5°	70.9	69.1	70.9	70.9	72.7	72.7	72.7	74.5	78.1	78.1	81.8
80°	50.9	50.9	50.9	50.9	52.7	52.7	54.5	54.5	58.2	60.0	61.8
82.5°	32.7	32.7	34.5	34.5	34.5	36.3	36.3	38.2	40.0	41.8	43.6
85°	18.2	18.2	18.2	20.0	20.0	21.8	21.8	23.6	25.4	27.3	29.1
87.5°	5.5	7.3	9.1	9.1	10.9	10.9	12.7	12.7	16.4	18.2	20.0
90°	1.8	1.8	3.6	3.6	3.6	5.5	5.5	7.3	7.3	9.1	10.9
92.5°	30.9	72.7	150.8	225.4	194.5	181.7	109.0	32.7	29.1	30.9	30.9
95°	63.6	120.0	219.9	356.2	461.6	527.1	570.7	654.3	739.7	725.2	541.6
97.5°	92.7	154.5	265.3	390.7	536.1	610.7	667.0	767.0	876.0	966.9	1032.3
100°	121.8	185.4	303.5	434.4	568.9	636.1	701.5	837.8	945.1	1035.9	1123.2
102.5°	152.7	216.3	338.0	474.3	607.0	672.4	736.1	856.0	976.0	1085.0	1170.4
105°	183.6	249.0	368.9	508.9	641.6	707.0	768.8	883.3	994.1	1095.9	1194.1
107.5°	216.3	278.1	396.2	536.1	668.8	734.2	796.0	910.5	1017.8	1119.5	1208.6
110°	245.4	305.3	423.5	561.6	694.3	759.7	821.5	936.0	1041.4	1137.7	1224.9



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	272.6	330.8	448.9	583.4	714.3	779.7	839.7	954.2	1059.6	1154.1	1241.3
115°	303.5	354.4	474.3	603.4	732.4	796.0	856.0	968.7	1074.1	1166.8	1252.2
117.5°	329.0	378.0	496.2	619.7	747.0	808.8	866.9	979.6	1083.2	1175.9	1259.5
120°	354.4	399.8	516.2	634.3	757.9	817.8	876.0	986.9	1090.5	1181.3	1263.1
122.5°	379.8	421.6	532.5	648.8	767.0	826.9	883.3	992.3	1094.1	1183.1	1263.1
125°	403.5	439.8	547.0	659.7	772.4	830.6	885.1	992.3	1092.3	1179.5	1259.5
127.5°	425.3	459.8	558.0	670.6	776.0	832.4	885.1	988.7	1088.6	1174.1	1252.2
130°	447.1	478.0	568.9	676.1	779.7	830.6	881.5	981.4	1079.6	1165.0	1239.5
132.5°	468.9	498.0	577.9	681.5	781.5	830.6	877.8	974.1	1068.6	1152.3	1223.1
135°	488.9	512.5	587.0	685.2	779.7	826.9	870.5	961.4	1052.3	1134.1	1203.1
137.5°	507.1	527.1	594.3	687.0	777.9	821.5	865.1	946.9	1032.3	1112.3	1179.5
140°	523.4	541.6	597.9	687.0	770.6	814.2	854.2	932.3	1010.5	1086.8	1152.3
142.5°	538.0	554.3	603.4	683.4	763.3	805.1	843.3	917.8	988.7	1061.4	1125.0
145°	552.5	565.2	607.0	681.5	754.2	792.4	828.7	899.6	968.7	1034.1	1094.1
147.5°	563.4	576.1	610.7	674.3	743.3	777.9	812.4	879.6	943.2	1005.0	1059.6
150°	574.3	585.2	612.5	667.0	730.6	761.5	792.4	856.0	917.8	974.1	1025.0
152.5°	585.2	592.5	617.9	659.7	716.1	745.1	776.0	832.4	888.7	941.4	990.5
155°	592.5	597.9	619.7	652.5	701.5	727.0	752.4	805.1	856.0	905.1	950.5
157.5°	599.8	605.2	621.6	647.0	685.2	708.8	730.6	776.0	823.3	866.9	908.7
160°	605.2	608.8	621.6	643.4	670.6	687.0	707.0	748.8	788.8	826.9	863.3
162.5°	610.7	612.5	621.6	637.9	657.9	668.8	683.4	716.1	752.4	785.1	817.8
165°	614.3	616.1	621.6	634.3	647.0	656.1	663.4	687.0	714.3	743.3	770.6
167.5°	617.9	617.9	621.6	630.6	637.9	643.4	648.8	661.5	679.7	701.5	721.5
170°	619.7	619.7	621.6	627.0	632.5	634.3	637.9	645.2	654.3	665.2	677.9
172.5°	619.7	619.7	619.7	623.4	625.2	625.2	625.2	628.8	634.3	641.6	647.0
175°	619.7	617.9	617.9	619.7	617.9	617.9	617.9	617.9	619.7	623.4	625.2
177.5°	619.7	617.9	616.1	616.1	614.3	614.3	612.5	612.5	612.5	612.5	612.5
180°	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7	401.7
2.5°	403.5	403.5	401.7	399.8	399.8	399.8	398.0	396.2	394.4	394.4
5°	403.5	403.5	401.7	401.7	401.7	401.7	399.8	399.8	398.0	398.0
7.5°	405.3	403.5	403.5	403.5	403.5	403.5	403.5	403.5	401.7	401.7
10°	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3
12.5°	407.1	407.1	407.1	407.1	408.9	408.9	408.9	408.9	408.9	408.9
15°	407.1	408.9	410.7	410.7	410.7	412.6	412.6	412.6	412.6	412.6
17.5°	408.9	410.7	412.6	412.6	414.4	414.4	416.2	416.2	416.2	416.2
20°	408.9	410.7	412.6	414.4	416.2	416.2	418.0	419.8	419.8	418.0
22.5°	407.1	410.7	412.6	414.4	416.2	418.0	419.8	421.6	421.6	421.6
25°	405.3	408.9	412.6	416.2	416.2	418.0	421.6	421.6	421.6	421.6
27.5°	403.5	407.1	410.7	414.4	416.2	418.0	419.8	421.6	421.6	421.6
30°	399.8	405.3	408.9	412.6	414.4	416.2	418.0	419.8	419.8	419.8
32.5°	394.4	399.8	403.5	408.9	410.7	412.6	414.4	416.2	416.2	416.2
35°	388.9	394.4	398.0	403.5	405.3	407.1	410.7	410.7	412.6	412.6
37.5°	379.8	387.1	390.7	396.2	398.0	399.8	403.5	405.3	405.3	405.3
40°	370.8	378.0	381.7	387.1	388.9	390.7	394.4	396.2	398.0	398.0
42.5°	359.9	367.1	370.8	376.2	378.0	379.8	383.5	385.3	387.1	387.1
45°	348.9	354.4	358.0	363.5	367.1	367.1	370.8	372.6	374.4	374.4
47.5°	334.4	339.9	343.5	348.9	352.6	354.4	356.2	358.0	359.9	359.9
50°	318.1	323.5	329.0	332.6	336.2	336.2	339.9	341.7	343.5	343.5
52.5°	301.7	305.3	310.8	316.2	318.1	319.9	321.7	323.5	325.3	325.3
55°	283.5	287.2	292.6	296.2	298.1	299.9	301.7	303.5	305.3	305.3
57.5°	263.5	267.2	272.6	276.2	278.1	279.9	281.7	283.5	285.3	285.3
60°	241.7	245.4	250.8	254.4	256.3	256.3	259.9	261.7	261.7	261.7
62.5°	219.9	223.5	227.2	230.8	232.6	234.4	236.3	238.1	238.1	238.1
65°	198.1	201.7	205.4	207.2	209.0	209.0	210.8	212.6	214.5	214.5
67.5°	174.5	178.1	181.7	183.6	185.4	185.4	187.2	189.0	189.0	189.0
70°	150.8	152.7	156.3	158.1	159.9	159.9	163.6	163.6	163.6	163.6
72.5°	127.2	129.0	132.7	134.5	136.3	136.3	138.1	139.9	139.9	139.9
75°	105.4	107.2	109.0	112.7	112.7	112.7	114.5	116.3	116.3	116.3
77.5°	83.6	85.4	87.2	89.1	90.9	90.9	92.7	94.5	94.5	94.5
80°	63.6	65.4	67.2	69.1	69.1	70.9	70.9	72.7	72.7	72.7
82.5°	45.4	47.3	49.1	50.9	52.7	52.7	54.5	56.3	56.3	54.5
85°	30.9	34.5	36.3	38.2	38.2	38.2	40.0	41.8	41.8	40.0
87.5°	21.8	21.8	23.6	25.4	25.4	27.3	27.3	29.1	29.1	29.1
90°	12.7	12.7	14.5	14.5	16.4	16.4	16.4	18.2	18.2	18.2
92.5°	30.9	30.9	32.7	32.7	32.7	32.7	34.5	34.5	34.5	34.5
95°	330.8	149.0	125.4	76.3	72.7	63.6	61.8	63.6	63.6	61.8
97.5°	1110.5	1188.6	1237.7	1261.3	1232.2	1201.3	1166.8	1161.3	1114.1	1008.7
100°	1197.7	1259.5	1319.5	1361.3	1377.6	1392.2	1424.9	1444.9	1453.9	1463.0
102.5°	1241.3	1306.7	1359.4	1412.1	1434.0	1453.9	1483.0	1506.6	1515.7	1523.0
105°	1279.5	1346.7	1404.9	1452.1	1472.1	1490.3	1519.4	1541.2	1557.5	1559.4
107.5°	1288.6	1359.4	1424.9	1483.0	1506.6	1526.6	1561.2	1577.5	1592.1	1592.1
110°	1304.9	1372.2	1432.1	1484.8	1508.5	1532.1	1568.4	1593.9	1608.4	1612.1



TEST NUMBER: P395776

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (2700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1317.6	1386.7	1443.0	1495.7	1515.7	1537.5	1572.1	1595.7	1608.4	1613.9
115°	1328.5	1395.8	1452.1	1501.2	1523.0	1544.8	1579.3	1599.3	1613.9	1619.3
117.5°	1335.8	1401.2	1457.6	1503.0	1526.6	1544.8	1577.5	1599.3	1613.9	1615.7
120°	1337.6	1403.1	1457.6	1503.0	1523.0	1543.0	1575.7	1597.5	1612.1	1612.1
122.5°	1337.6	1401.2	1455.8	1499.4	1517.6	1535.7	1566.6	1592.1	1604.8	1604.8
125°	1330.4	1394.0	1446.7	1490.3	1508.5	1524.8	1557.5	1581.2	1593.9	1595.7
127.5°	1319.5	1381.2	1434.0	1477.6	1495.7	1510.3	1544.8	1566.6	1579.3	1581.2
130°	1304.9	1366.7	1417.6	1459.4	1477.6	1493.9	1523.0	1546.6	1561.2	1564.8
132.5°	1288.6	1346.7	1397.6	1437.6	1455.8	1470.3	1499.4	1523.0	1535.7	1541.2
135°	1268.6	1323.1	1372.2	1412.1	1430.3	1444.9	1472.1	1495.7	1508.5	1513.9
137.5°	1243.1	1295.8	1343.1	1383.1	1399.4	1414.0	1441.2	1463.0	1473.9	1481.2
140°	1214.0	1263.1	1312.2	1348.5	1364.9	1379.4	1403.1	1426.7	1437.6	1443.0
142.5°	1183.1	1232.2	1275.8	1312.2	1326.7	1341.3	1364.9	1386.7	1397.6	1399.4
145°	1150.4	1197.7	1237.7	1272.2	1284.9	1299.5	1321.3	1343.1	1354.0	1355.8
147.5°	1114.1	1157.7	1195.9	1228.6	1243.1	1254.0	1274.0	1294.0	1304.9	1306.7
150°	1072.3	1112.3	1146.8	1179.5	1192.2	1203.1	1224.9	1243.1	1254.0	1255.8
152.5°	1032.3	1070.5	1099.5	1128.6	1141.3	1152.3	1170.4	1188.6	1199.5	1201.3
155°	990.5	1025.0	1054.1	1077.7	1088.6	1099.5	1114.1	1130.4	1139.5	1141.3
157.5°	946.9	979.6	1005.0	1026.8	1037.8	1046.8	1059.6	1074.1	1079.6	1083.2
160°	899.6	926.9	948.7	970.5	979.6	988.7	1001.4	1012.3	1019.6	1021.4
162.5°	848.7	872.4	890.5	910.5	916.0	923.3	936.0	946.9	952.3	954.2
165°	796.0	817.8	834.2	850.6	854.2	859.6	868.7	879.6	883.3	886.9
167.5°	743.3	761.5	772.4	786.9	792.4	796.0	805.1	812.4	816.0	817.8
170°	692.4	705.2	714.3	725.2	727.0	732.4	737.9	745.1	747.0	747.0
172.5°	652.5	657.9	663.4	667.0	668.8	670.6	674.3	676.1	676.1	676.1
175°	627.0	630.6	630.6	632.5	632.5	632.5	632.5	632.5	632.5	632.5
177.5°	612.5	612.5	612.5	610.7	610.7	610.7	610.7	608.8	608.8	608.8
180°	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8

(END OF REPORT)