

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: P395795

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395795
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-80L92765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7575.3 lumens
Efficiency: N/A
Efficacy: 118.0 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

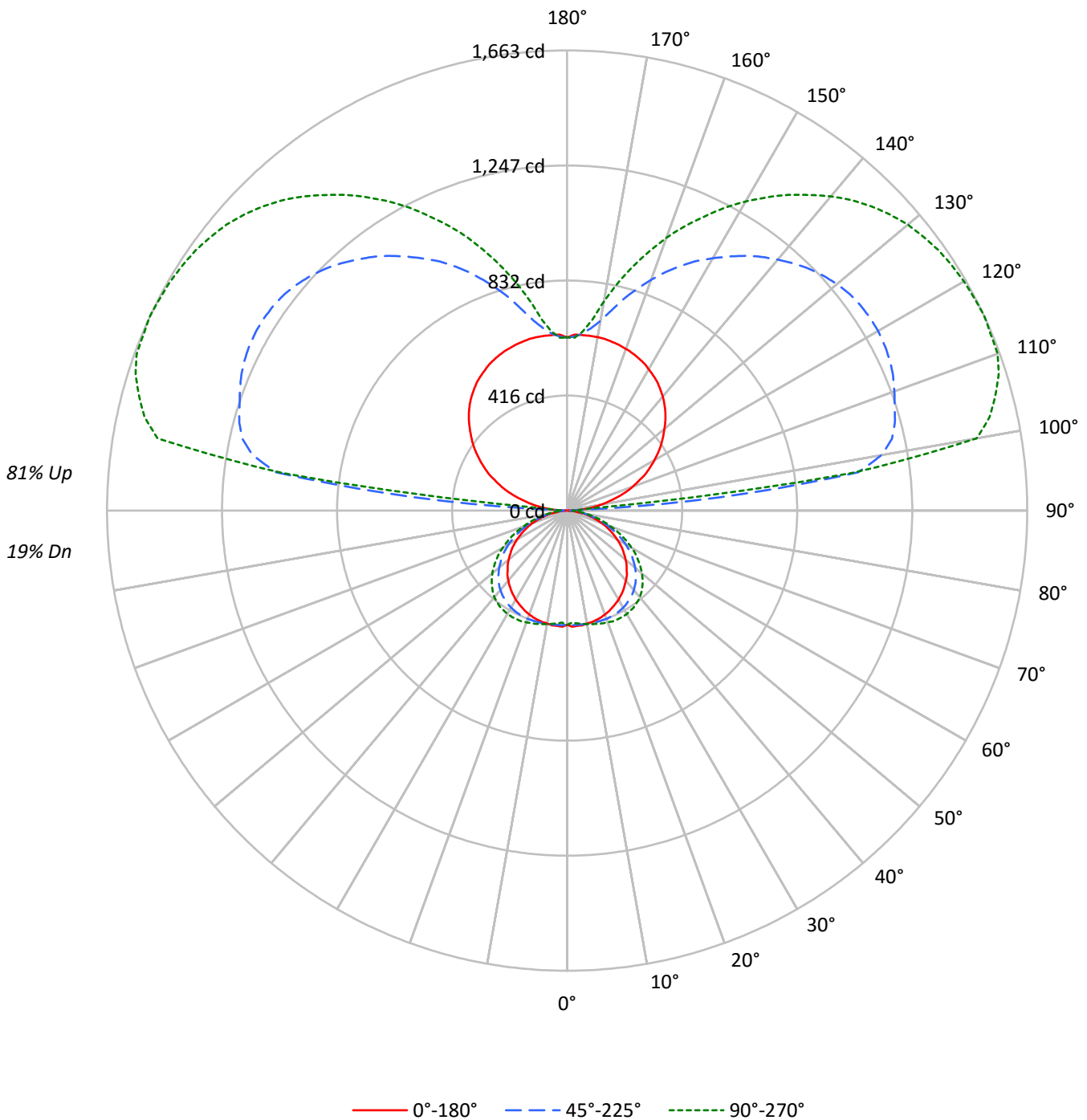
Input Watts (W): 64.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	2268	2268	2268
5°	2299	2235	2192
10°	2296	2219	2194
15°	2301	2211	2214
20°	2301	2220	2240
25°	2298	2226	2273
30°	2301	2229	2296
35°	2299	2218	2306
40°	2289	2202	2293
45°	2269	2155	2242
50°	2249	2085	2159
55°	2210	1984	2036
60°	2141	1841	1873
65°	2048	1639	1671
70°	1934	1422	1409
75°	1677	1114	1131
80°	1334	802	818
85°	793	467	539



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CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	0.5
10°-20°	117.7	1.6
20°-30°	189.4	2.5
30°-40°	243.7	3.2
40°-50°	267.7	3.5
50°-60°	251.6	3.3
60°-70°	195.5	2.6
70°-80°	112.1	1.5
80°-90°	35.9	0.5
90°-100°	484.3	6.4
100°-110°	1150.8	15.2
110°-120°	1156.0	15.3
120°-130°	1060.1	14.0
130°-140°	886.4	11.7
140°-150°	665.3	8.8
150°-160°	433.1	5.7
160°-170°	223.0	2.9
170°-180°	63.1	0.8
0°-30°	346.6	4.6
0°-40°	590.3	7.8
0°-60°	1109.6	14.6
0°-90°	1453.1	19.2
90°-120°	2791.0	36.8
90°-150°	5402.9	71.3
90°-180°	6122.0	80.8
0°-180°	7575.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	413	413	413	413	413	
5°	418	414	414	413	409	40
15°	409	407	416	422	424	116
25°	386	390	413	428	433	178
35°	353	362	392	416	424	221
45°	304	319	351	377	385	235
55°	245	258	286	306	314	218
65°	172	181	198	215	220	170
75°	92	95	104	116	120	97
85°	19	22	30	39	41	22
90°	2	6	11	17	19	6
95°	65	541	556	75	64	65
105°	189	726	1227	1512	1602	199
115°	312	818	1286	1564	1663	306
125°	414	853	1294	1550	1639	370
135°	502	850	1236	1469	1555	387
145°	568	814	1124	1320	1393	355
155°	609	747	976	1118	1172	281
165°	631	674	792	878	911	179
175°	637	635	642	650	650	61
180°	625	625	625	625	625	



TEST NUMBER: P395795

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6
2.5°	420.1	418.2	416.3	416.3	414.5	414.5	414.5	412.6	412.6	412.6	414.5
5°	418.2	418.2	416.3	414.5	414.5	414.5	412.6	412.6	412.6	412.6	414.5
7.5°	418.2	416.3	414.5	414.5	412.6	412.6	412.6	412.6	412.6	412.6	414.5
10°	414.5	414.5	412.6	412.6	410.7	412.6	412.6	412.6	412.6	412.6	416.3
12.5°	412.6	412.6	410.7	408.9	408.9	408.9	410.7	410.7	410.7	412.6	416.3
15°	408.9	408.9	407.0	407.0	407.0	407.0	408.9	408.9	410.7	412.6	416.3
17.5°	405.1	405.1	403.3	403.3	403.3	405.1	405.1	407.0	408.9	412.6	416.3
20°	399.5	399.5	399.5	399.5	399.5	401.4	401.4	403.3	407.0	410.7	416.3
22.5°	393.9	393.9	393.9	393.9	393.9	395.8	397.7	401.4	403.3	408.9	414.5
25°	386.5	386.5	386.5	386.5	388.3	390.2	392.1	395.8	399.5	405.1	412.6
27.5°	379.0	380.9	380.9	380.9	382.7	384.6	386.5	390.2	395.8	403.3	408.9
30°	371.5	371.5	371.5	373.4	375.3	377.1	380.9	384.6	390.2	397.7	405.1
32.5°	362.2	362.2	364.1	364.1	367.8	369.7	373.4	379.0	384.6	392.1	399.5
35°	352.8	352.8	352.8	356.6	358.4	362.2	364.1	369.7	377.1	384.6	392.1
37.5°	341.6	343.5	343.5	345.4	349.1	352.8	354.7	362.2	369.7	377.1	384.6
40°	330.4	332.3	332.3	334.2	339.8	341.6	345.4	352.8	358.4	367.8	375.3
42.5°	319.2	319.2	321.1	323.0	328.6	330.4	334.2	341.6	349.1	356.6	364.1
45°	304.3	306.2	308.0	309.9	315.5	319.2	323.0	328.6	336.0	343.5	351.0
47.5°	291.2	291.2	293.1	296.8	302.4	306.2	308.0	315.5	321.1	328.6	336.0
50°	276.3	278.2	278.2	281.9	287.5	291.2	293.1	300.6	306.2	313.6	321.1
52.5°	259.5	261.4	263.2	267.0	272.6	276.3	278.2	283.8	289.4	296.8	302.4
55°	244.6	246.4	246.4	250.2	255.8	257.6	261.4	265.1	272.6	278.2	285.6
57.5°	227.8	229.6	229.6	233.4	237.1	240.8	242.7	248.3	253.9	259.5	265.1
60°	209.1	211.0	212.8	214.7	218.4	222.2	224.0	227.8	233.4	239.0	244.6
62.5°	190.4	192.3	194.2	196.0	199.8	201.6	203.5	209.1	212.8	218.4	222.2
65°	171.8	173.6	175.5	177.4	179.2	181.1	183.0	186.7	190.4	196.0	197.9
67.5°	153.1	155.0	155.0	156.8	158.7	160.6	162.4	166.2	168.0	173.6	175.5
70°	134.4	134.4	134.4	136.3	136.3	138.2	140.0	143.8	145.6	149.4	153.1
72.5°	112.0	113.9	113.9	113.9	115.7	117.6	119.5	121.4	123.2	125.1	128.8
75°	91.5	93.3	91.5	93.3	95.2	95.2	97.1	98.9	100.8	102.7	104.5
77.5°	72.8	70.9	72.8	72.8	74.7	74.7	74.7	76.5	80.3	80.3	84.0
80°	52.3	52.3	52.3	52.3	54.1	54.1	56.0	56.0	59.7	61.6	63.5
82.5°	33.6	33.6	35.5	35.5	35.5	37.3	37.3	39.2	41.1	42.9	44.8
85°	18.7	18.7	18.7	20.5	20.5	22.4	22.4	24.3	26.1	28.0	29.9
87.5°	5.6	7.5	9.3	9.3	11.2	11.2	13.1	13.1	16.8	18.7	20.5
90°	1.9	1.9	3.7	3.7	3.7	5.6	5.6	7.5	7.5	9.3	11.2
92.5°	31.7	74.7	155.0	231.5	199.8	186.7	112.0	33.6	29.9	31.7	31.7
95°	65.3	123.2	225.9	365.9	474.2	541.4	586.2	672.1	759.8	744.9	556.3
97.5°	95.2	158.7	272.6	401.4	550.7	627.3	685.2	787.8	899.9	993.2	1060.4
100°	125.1	190.4	311.8	446.2	584.3	653.4	720.6	860.7	970.8	1064.1	1153.8
102.5°	156.8	222.2	347.2	487.3	623.6	690.8	756.1	879.3	1002.5	1114.6	1202.3
105°	188.6	255.8	379.0	522.7	659.0	726.2	789.7	907.3	1021.2	1125.8	1226.6
107.5°	222.2	285.6	407.0	550.7	687.0	754.2	817.7	935.3	1045.5	1150.0	1241.5
110°	252.0	313.6	435.0	576.9	713.2	780.4	843.9	961.5	1069.7	1168.7	1258.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	280.0	339.8	461.1	599.3	733.7	800.9	862.5	980.1	1088.4	1185.5	1275.1
115°	311.8	364.1	487.3	619.8	752.4	817.7	879.3	995.1	1103.4	1198.6	1286.3
117.5°	337.9	388.3	509.7	636.6	767.3	830.8	890.5	1006.3	1112.7	1207.9	1293.8
120°	364.1	410.7	530.2	651.6	778.5	840.1	899.9	1013.7	1120.2	1213.5	1297.5
122.5°	390.2	433.1	547.0	666.5	787.8	849.5	907.3	1019.3	1123.9	1215.4	1297.5
125°	414.5	451.8	561.9	677.7	793.4	853.2	909.2	1019.3	1122.0	1211.6	1293.8
127.5°	436.9	472.3	573.1	688.9	797.2	855.1	909.2	1015.6	1118.3	1206.0	1286.3
130°	459.3	491.0	584.3	694.5	800.9	853.2	905.5	1008.1	1109.0	1196.7	1273.2
132.5°	481.7	511.5	593.7	700.1	802.8	853.2	901.7	1000.7	1097.8	1183.6	1256.4
135°	502.2	526.5	603.0	703.8	800.9	849.5	894.3	987.6	1080.9	1165.0	1235.9
137.5°	520.9	541.4	610.5	705.7	799.0	843.9	888.7	972.7	1060.4	1142.6	1211.6
140°	537.7	556.3	614.2	705.7	791.6	836.4	877.5	957.7	1038.0	1116.4	1183.6
142.5°	552.6	569.4	619.8	702.0	784.1	827.0	866.3	942.8	1015.6	1090.3	1155.6
145°	567.5	580.6	623.6	700.1	774.8	814.0	851.3	924.1	995.1	1062.3	1123.9
147.5°	578.7	591.8	627.3	692.6	763.6	799.0	834.5	903.6	968.9	1032.4	1088.4
150°	589.9	601.1	629.2	685.2	750.5	782.2	814.0	879.3	942.8	1000.7	1052.9
152.5°	601.1	608.6	634.8	677.7	735.6	765.4	797.2	855.1	912.9	967.1	1017.5
155°	608.6	614.2	636.6	670.2	720.6	746.8	772.9	827.0	879.3	929.7	976.4
157.5°	616.1	621.7	638.5	664.6	703.8	728.1	750.5	797.2	845.7	890.5	933.5
160°	621.7	625.4	638.5	660.9	688.9	705.7	726.2	769.2	810.2	849.5	886.8
162.5°	627.3	629.2	638.5	655.3	675.8	687.0	702.0	735.6	772.9	806.5	840.1
165°	631.0	632.9	638.5	651.6	664.6	674.0	681.4	705.7	733.7	763.6	791.6
167.5°	634.8	634.8	638.5	647.8	655.3	660.9	666.5	679.6	698.2	720.6	741.2
170°	636.6	636.6	638.5	644.1	649.7	651.6	655.3	662.8	672.1	683.3	696.4
172.5°	636.6	636.6	636.6	640.4	642.2	642.2	642.2	646.0	651.6	659.0	664.6
175°	636.6	634.8	634.8	636.6	634.8	634.8	634.8	634.8	636.6	640.4	642.2
177.5°	636.6	634.8	632.9	632.9	631.0	631.0	629.2	629.2	629.2	629.2	629.2
180°	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6	412.6
2.5°	414.5	414.5	412.6	410.7	410.7	410.7	408.9	407.0	405.1	405.1
5°	414.5	414.5	412.6	412.6	412.6	412.6	410.7	410.7	408.9	408.9
7.5°	416.3	414.5	414.5	414.5	414.5	414.5	414.5	414.5	412.6	412.6
10°	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3	416.3
12.5°	418.2	418.2	418.2	418.2	420.1	420.1	420.1	420.1	420.1	420.1
15°	418.2	420.1	421.9	421.9	421.9	423.8	423.8	423.8	423.8	423.8
17.5°	420.1	421.9	423.8	423.8	425.7	425.7	427.5	427.5	427.5	427.5
20°	420.1	421.9	423.8	425.7	427.5	427.5	429.4	431.3	431.3	429.4
22.5°	418.2	421.9	423.8	425.7	427.5	429.4	431.3	433.1	433.1	433.1
25°	416.3	420.1	423.8	427.5	427.5	429.4	433.1	433.1	433.1	433.1
27.5°	414.5	418.2	421.9	425.7	427.5	429.4	431.3	433.1	433.1	433.1
30°	410.7	416.3	420.1	423.8	425.7	427.5	429.4	431.3	431.3	431.3
32.5°	405.1	410.7	414.5	420.1	421.9	423.8	425.7	427.5	427.5	427.5
35°	399.5	405.1	408.9	414.5	416.3	418.2	421.9	421.9	423.8	423.8
37.5°	390.2	397.7	401.4	407.0	408.9	410.7	414.5	416.3	416.3	416.3
40°	380.9	388.3	392.1	397.7	399.5	401.4	405.1	407.0	408.9	408.9
42.5°	369.7	377.1	380.9	386.5	388.3	390.2	393.9	395.8	397.7	397.7
45°	358.4	364.1	367.8	373.4	377.1	377.1	380.9	382.7	384.6	384.6
47.5°	343.5	349.1	352.8	358.4	362.2	364.1	365.9	367.8	369.7	369.7
50°	326.7	332.3	337.9	341.6	345.4	345.4	349.1	351.0	352.8	352.8
52.5°	309.9	313.6	319.2	324.8	326.7	328.6	330.4	332.3	334.2	334.2
55°	291.2	295.0	300.6	304.3	306.2	308.0	309.9	311.8	313.6	313.6
57.5°	270.7	274.4	280.0	283.8	285.6	287.5	289.4	291.2	293.1	293.1
60°	248.3	252.0	257.6	261.4	263.2	263.2	267.0	268.8	268.8	268.8
62.5°	225.9	229.6	233.4	237.1	239.0	240.8	242.7	244.6	244.6	244.6
65°	203.5	207.2	211.0	212.8	214.7	214.7	216.6	218.4	220.3	220.3
67.5°	179.2	183.0	186.7	188.6	190.4	190.4	192.3	194.2	194.2	194.2
70°	155.0	156.8	160.6	162.4	164.3	164.3	168.0	168.0	168.0	168.0
72.5°	130.7	132.6	136.3	138.2	140.0	140.0	141.9	143.8	143.8	143.8
75°	108.3	110.1	112.0	115.7	115.7	115.7	117.6	119.5	119.5	119.5
77.5°	85.9	87.7	89.6	91.5	93.3	93.3	95.2	97.1	97.1	97.1
80°	65.3	67.2	69.1	70.9	70.9	72.8	72.8	74.7	74.7	74.7
82.5°	46.7	48.5	50.4	52.3	54.1	54.1	56.0	57.9	57.9	56.0
85°	31.7	35.5	37.3	39.2	39.2	39.2	41.1	42.9	42.9	41.1
87.5°	22.4	22.4	24.3	26.1	26.1	28.0	28.0	29.9	29.9	29.9
90°	13.1	13.1	14.9	14.9	16.8	16.8	16.8	18.7	18.7	18.7
92.5°	31.7	31.7	33.6	33.6	33.6	33.6	35.5	35.5	35.5	35.5
95°	339.8	153.1	128.8	78.4	74.7	65.3	63.5	65.3	65.3	63.5
97.5°	1140.7	1221.0	1271.4	1295.6	1265.8	1234.0	1198.6	1193.0	1144.4	1036.1
100°	1230.3	1293.8	1355.4	1398.3	1415.1	1430.1	1463.7	1484.2	1493.5	1502.9
102.5°	1275.1	1342.3	1396.5	1450.6	1473.0	1493.5	1523.4	1547.7	1557.0	1564.5
105°	1314.3	1383.4	1443.1	1491.7	1512.2	1530.9	1560.7	1583.2	1600.0	1601.8
107.5°	1323.6	1396.5	1463.7	1523.4	1547.7	1568.2	1603.7	1620.5	1635.4	1635.4
110°	1340.5	1409.5	1471.1	1525.3	1549.5	1573.8	1611.2	1637.3	1652.2	1656.0



TEST NUMBER: P395795

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1353.5	1424.5	1482.3	1536.5	1557.0	1579.4	1614.9	1639.2	1652.2	1657.8
115°	1364.7	1433.8	1491.7	1542.1	1564.5	1586.9	1622.4	1642.9	1657.8	1663.4
117.5°	1372.2	1439.4	1497.3	1543.9	1568.2	1586.9	1620.5	1642.9	1657.8	1659.7
120°	1374.1	1441.3	1497.3	1543.9	1564.5	1585.0	1618.6	1641.0	1656.0	1656.0
122.5°	1374.1	1439.4	1495.4	1540.2	1558.9	1577.6	1609.3	1635.4	1648.5	1648.5
125°	1366.6	1431.9	1486.1	1530.9	1549.5	1566.3	1600.0	1624.2	1637.3	1639.2
127.5°	1355.4	1418.9	1473.0	1517.8	1536.5	1551.4	1586.9	1609.3	1622.4	1624.2
130°	1340.5	1403.9	1456.2	1499.1	1517.8	1534.6	1564.5	1588.8	1603.7	1607.4
132.5°	1323.6	1383.4	1435.7	1476.7	1495.4	1510.3	1540.2	1564.5	1577.6	1583.2
135°	1303.1	1359.1	1409.5	1450.6	1469.3	1484.2	1512.2	1536.5	1549.5	1555.1
137.5°	1277.0	1331.1	1379.7	1420.7	1437.5	1452.5	1480.5	1502.9	1514.1	1521.5
140°	1247.1	1297.5	1347.9	1385.3	1402.1	1417.0	1441.3	1465.5	1476.7	1482.3
142.5°	1215.4	1265.8	1310.6	1347.9	1362.9	1377.8	1402.1	1424.5	1435.7	1437.5
145°	1181.8	1230.3	1271.4	1306.8	1319.9	1334.9	1357.3	1379.7	1390.9	1392.7
147.5°	1144.4	1189.2	1228.4	1262.0	1277.0	1288.2	1308.7	1329.3	1340.5	1342.3
150°	1101.5	1142.6	1178.0	1211.6	1224.7	1235.9	1258.3	1277.0	1288.2	1290.0
152.5°	1060.4	1099.6	1129.5	1159.4	1172.4	1183.6	1202.3	1221.0	1232.2	1234.0
155°	1017.5	1052.9	1082.8	1107.1	1118.3	1129.5	1144.4	1161.2	1170.6	1172.4
157.5°	972.7	1006.3	1032.4	1054.8	1066.0	1075.3	1088.4	1103.4	1109.0	1112.7
160°	924.1	952.1	974.5	996.9	1006.3	1015.6	1028.7	1039.9	1047.3	1049.2
162.5°	871.9	896.1	914.8	935.3	940.9	948.4	961.5	972.7	978.3	980.1
165°	817.7	840.1	856.9	873.7	877.5	883.1	892.4	903.6	907.3	911.1
167.5°	763.6	782.2	793.4	808.4	814.0	817.7	827.0	834.5	838.2	840.1
170°	711.3	724.4	733.7	744.9	746.8	752.4	758.0	765.4	767.3	767.3
172.5°	670.2	675.8	681.4	685.2	687.0	688.9	692.6	694.5	694.5	694.5
175°	644.1	647.8	647.8	649.7	649.7	649.7	649.7	649.7	649.7	649.7
177.5°	629.2	629.2	629.2	627.3	627.3	627.3	627.3	625.4	625.4	625.4
180°	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4	625.4

(END OF REPORT)