

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: P395796

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395796  
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 (6500K)  
Description: CORELITE I3, OPEN TOP  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7623.5 lumens  
Efficiency: N/A  
Efficacy: 116.9 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

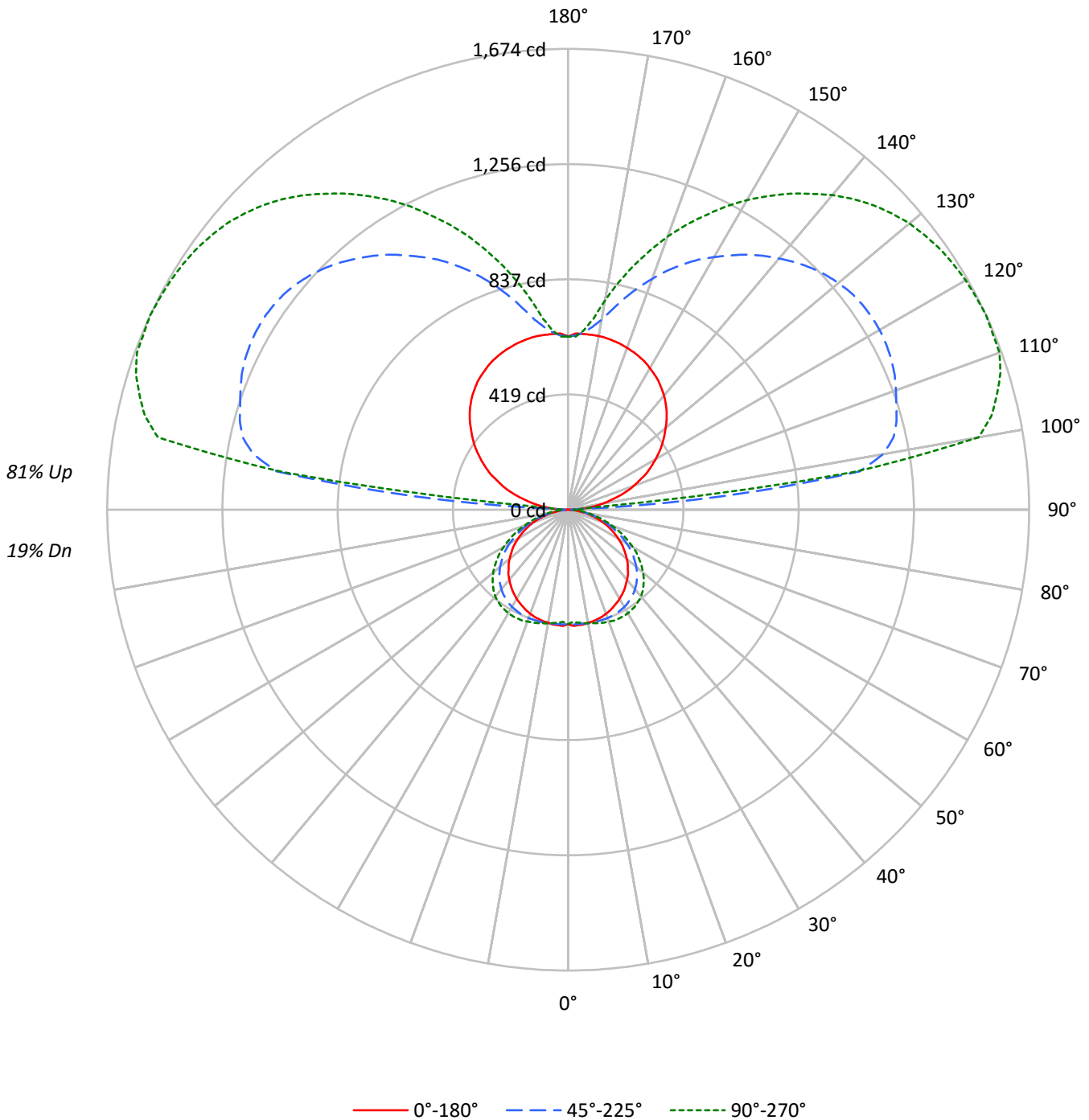
Input Watts (W): 65.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2282	2282	2282
5°	2314	2249	2206
10°	2311	2234	2209
15°	2315	2226	2228
20°	2316	2235	2254
25°	2313	2240	2288
30°	2316	2243	2310
35°	2314	2232	2320
40°	2303	2215	2307
45°	2283	2169	2256
50°	2263	2099	2173
55°	2223	1997	2049
60°	2154	1853	1885
65°	2059	1650	1681
70°	1947	1431	1418
75°	1688	1122	1138
80°	1341	807	824
85°	798	470	541



TEST NUMBER: P395796

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	0.5
10°-20°	118.4	1.6
20°-30°	190.6	2.5
30°-40°	245.3	3.2
40°-50°	269.4	3.5
50°-60°	253.2	3.3
60°-70°	196.7	2.6
70°-80°	112.8	1.5
80°-90°	36.2	0.5
90°-100°	487.3	6.4
100°-110°	1158.1	15.2
110°-120°	1163.3	15.3
120°-130°	1066.9	14.0
130°-140°	892.1	11.7
140°-150°	669.6	8.8
150°-160°	435.9	5.7
160°-170°	224.5	2.9
170°-180°	63.5	0.8
0°-30°	348.8	4.6
0°-40°	594.0	7.8
0°-60°	1116.6	14.6
0°-90°	1462.4	19.2
90°-120°	2808.8	36.8
90°-150°	5437.3	71.3
90°-180°	6161.0	80.8
0°-180°	7623.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	415	415	415	415	415	
5°	421	417	417	415	412	40
15°	412	410	419	425	426	116
25°	389	393	415	430	436	180
35°	355	364	394	419	426	222
45°	306	321	353	380	387	237
55°	246	259	288	308	316	219
65°	173	182	199	216	222	171
75°	92	96	105	116	120	98
85°	19	22	30	40	41	22
90°	2	6	11	17	19	6
95°	66	545	560	75	64	65
105°	190	731	1234	1522	1612	201
115°	314	823	1294	1574	1674	308
125°	417	859	1302	1559	1650	372
135°	505	855	1244	1479	1565	389
145°	571	819	1131	1328	1402	357
155°	612	752	983	1125	1180	283
165°	635	678	797	883	917	180
175°	641	639	646	654	654	61
180°	629	629	629	629	629	



TEST NUMBER: P395796

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2
2.5°	422.7	420.9	419.0	419.0	417.1	417.1	417.1	415.2	415.2	415.2	417.1
5°	420.9	420.9	419.0	417.1	417.1	417.1	415.2	415.2	415.2	415.2	417.1
7.5°	420.9	419.0	417.1	417.1	415.2	415.2	415.2	415.2	415.2	415.2	417.1
10°	417.1	417.1	415.2	415.2	413.3	415.2	415.2	415.2	415.2	415.2	419.0
12.5°	415.2	415.2	413.3	411.5	411.5	411.5	413.3	413.3	413.3	415.2	419.0
15°	411.5	411.5	409.6	409.6	409.6	409.6	411.5	411.5	413.3	415.2	419.0
17.5°	407.7	407.7	405.8	405.8	405.8	407.7	407.7	409.6	411.5	415.2	419.0
20°	402.1	402.1	402.1	402.1	402.1	403.9	403.9	405.8	409.6	413.3	419.0
22.5°	396.4	396.4	396.4	396.4	396.4	398.3	400.2	403.9	405.8	411.5	417.1
25°	388.9	388.9	388.9	388.9	390.8	392.7	394.5	398.3	402.1	407.7	415.2
27.5°	381.4	383.3	383.3	383.3	385.2	387.0	388.9	392.7	398.3	405.8	411.5
30°	373.9	373.9	373.9	375.8	377.6	379.5	383.3	387.0	392.7	400.2	407.7
32.5°	364.5	364.5	366.4	366.4	370.1	372.0	375.8	381.4	387.0	394.5	402.1
35°	355.1	355.1	355.1	358.9	360.7	364.5	366.4	372.0	379.5	387.0	394.5
37.5°	343.8	345.7	345.7	347.6	351.3	355.1	357.0	364.5	372.0	379.5	387.0
40°	332.5	334.4	334.4	336.3	341.9	343.8	347.6	355.1	360.7	370.1	377.6
42.5°	321.3	321.3	323.2	325.0	330.7	332.5	336.3	343.8	351.3	358.9	366.4
45°	306.2	308.1	310.0	311.9	317.5	321.3	325.0	330.7	338.2	345.7	353.2
47.5°	293.1	293.1	295.0	298.7	304.4	308.1	310.0	317.5	323.2	330.7	338.2
50°	278.1	279.9	279.9	283.7	289.3	293.1	295.0	302.5	308.1	315.6	323.2
52.5°	261.2	263.0	264.9	268.7	274.3	278.1	279.9	285.6	291.2	298.7	304.4
55°	246.1	248.0	248.0	251.8	257.4	259.3	263.0	266.8	274.3	279.9	287.5
57.5°	229.2	231.1	231.1	234.9	238.6	242.4	244.2	249.9	255.5	261.2	266.8
60°	210.4	212.3	214.2	216.1	219.8	223.6	225.5	229.2	234.9	240.5	246.1
62.5°	191.6	193.5	195.4	197.3	201.0	202.9	204.8	210.4	214.2	219.8	223.6
65°	172.8	174.7	176.6	178.5	180.4	182.2	184.1	187.9	191.6	197.3	199.2
67.5°	154.1	155.9	155.9	157.8	159.7	161.6	163.5	167.2	169.1	174.7	176.6
70°	135.3	135.3	135.3	137.2	137.2	139.0	140.9	144.7	146.5	150.3	154.1
72.5°	112.7	114.6	114.6	114.6	116.5	118.4	120.2	122.1	124.0	125.9	129.6
75°	92.1	93.9	92.1	93.9	95.8	95.8	97.7	99.6	101.5	103.3	105.2
77.5°	73.3	71.4	73.3	73.3	75.2	75.2	75.2	77.0	80.8	80.8	84.5
80°	52.6	52.6	52.6	52.6	54.5	54.5	56.4	56.4	60.1	62.0	63.9
82.5°	33.8	33.8	35.7	35.7	35.7	37.6	37.6	39.5	41.3	43.2	45.1
85°	18.8	18.8	18.8	20.7	20.7	22.5	22.5	24.4	26.3	28.2	30.1
87.5°	5.6	7.5	9.4	9.4	11.3	11.3	13.2	13.2	16.9	18.8	20.7
90°	1.9	1.9	3.8	3.8	3.8	5.6	5.6	7.5	7.5	9.4	11.3
92.5°	31.9	75.2	155.9	233.0	201.0	187.9	112.7	33.8	30.1	31.9	31.9
95°	65.8	124.0	227.3	368.2	477.2	544.9	589.9	676.4	764.7	749.6	559.9
97.5°	95.8	159.7	274.3	403.9	554.2	631.3	689.5	792.9	905.6	999.5	1067.2
100°	125.9	191.6	313.8	449.0	588.1	657.6	725.2	866.1	977.0	1070.9	1161.1
102.5°	157.8	223.6	349.5	490.4	627.5	695.2	760.9	884.9	1008.9	1121.6	1209.9
105°	189.8	257.4	381.4	526.1	663.2	730.9	794.7	913.1	1027.7	1132.9	1234.4
107.5°	223.6	287.5	409.6	554.2	691.4	759.0	822.9	941.3	1052.1	1157.3	1249.4
110°	253.6	315.6	437.8	580.6	717.7	785.3	849.2	967.6	1076.6	1176.1	1266.3



TEST NUMBER: P395796

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	281.8	341.9	464.1	603.1	738.4	806.0	868.0	986.4	1095.3	1193.0	1283.2
115°	313.8	366.4	490.4	623.8	757.2	822.9	884.9	1001.4	1110.4	1206.2	1294.5
117.5°	340.1	390.8	512.9	640.7	772.2	836.1	896.2	1012.7	1119.8	1215.6	1302.0
120°	366.4	413.3	533.6	655.7	783.5	845.5	905.6	1020.2	1127.3	1221.2	1305.8
122.5°	392.7	435.9	550.5	670.7	792.9	854.9	913.1	1025.8	1131.0	1223.1	1305.8
125°	417.1	454.7	565.5	682.0	798.5	858.6	915.0	1025.8	1129.2	1219.3	1302.0
127.5°	439.6	475.3	576.8	693.3	802.2	860.5	915.0	1022.1	1125.4	1213.7	1294.5
130°	462.2	494.1	588.1	698.9	806.0	858.6	911.2	1014.6	1116.0	1204.3	1281.3
132.5°	484.7	514.8	597.5	704.6	807.9	858.6	907.5	1007.0	1104.7	1191.2	1264.4
135°	505.4	529.8	606.9	708.3	806.0	854.9	899.9	993.9	1087.8	1172.4	1243.8
137.5°	524.2	544.9	614.4	710.2	804.1	849.2	894.3	978.9	1067.2	1149.8	1219.3
140°	541.1	559.9	618.1	710.2	796.6	841.7	883.0	963.8	1044.6	1123.5	1191.2
142.5°	556.1	573.0	623.8	706.4	789.1	832.3	871.8	948.8	1022.1	1097.2	1163.0
145°	571.2	584.3	627.5	704.6	779.7	819.2	856.7	930.0	1001.4	1069.0	1131.0
147.5°	582.4	595.6	631.3	697.0	768.4	804.1	839.8	909.3	975.1	1039.0	1095.3
150°	593.7	605.0	633.2	689.5	755.3	787.2	819.2	884.9	948.8	1007.0	1059.6
152.5°	605.0	612.5	638.8	682.0	740.2	770.3	802.2	860.5	918.7	973.2	1023.9
155°	612.5	618.1	640.7	674.5	725.2	751.5	777.8	832.3	884.9	935.6	982.6
157.5°	620.0	625.6	642.6	668.9	708.3	732.7	755.3	802.2	851.1	896.2	939.4
160°	625.6	629.4	642.6	665.1	693.3	710.2	730.9	774.1	815.4	854.9	892.4
162.5°	631.3	633.2	642.6	659.5	680.1	691.4	706.4	740.2	777.8	811.6	845.5
165°	635.0	636.9	642.6	655.7	668.9	678.2	685.8	710.2	738.4	768.4	796.6
167.5°	638.8	638.8	642.6	651.9	659.5	665.1	670.7	683.9	702.7	725.2	745.9
170°	640.7	640.7	642.6	648.2	653.8	655.7	659.5	667.0	676.4	687.6	700.8
172.5°	640.7	640.7	640.7	644.4	646.3	646.3	646.3	650.1	655.7	663.2	668.9
175°	640.7	638.8	638.8	640.7	638.8	638.8	638.8	638.8	640.7	644.4	646.3
177.5°	640.7	638.8	636.9	636.9	635.0	635.0	633.2	633.2	633.2	633.2	633.2
180°	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4



TEST NUMBER: P395796

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2	415.2
2.5°	417.1	417.1	415.2	413.3	413.3	413.3	411.5	409.6	407.7	407.7
5°	417.1	417.1	415.2	415.2	415.2	415.2	413.3	413.3	411.5	411.5
7.5°	419.0	417.1	417.1	417.1	417.1	417.1	417.1	417.1	415.2	415.2
10°	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0	419.0
12.5°	420.9	420.9	420.9	420.9	422.7	422.7	422.7	422.7	422.7	422.7
15°	420.9	422.7	424.6	424.6	424.6	426.5	426.5	426.5	426.5	426.5
17.5°	422.7	424.6	426.5	426.5	428.4	428.4	430.2	430.2	430.2	430.2
20°	422.7	424.6	426.5	428.4	430.2	430.2	432.1	434.0	434.0	432.1
22.5°	420.9	424.6	426.5	428.4	430.2	432.1	434.0	435.9	435.9	435.9
25°	419.0	422.7	426.5	430.2	430.2	432.1	435.9	435.9	435.9	435.9
27.5°	417.1	420.9	424.6	428.4	430.2	432.1	434.0	435.9	435.9	435.9
30°	413.3	419.0	422.7	426.5	428.4	430.2	432.1	434.0	434.0	434.0
32.5°	407.7	413.3	417.1	422.7	424.6	426.5	428.4	430.2	430.2	430.2
35°	402.1	407.7	411.5	417.1	419.0	420.9	424.6	424.6	426.5	426.5
37.5°	392.7	400.2	403.9	409.6	411.5	413.3	417.1	419.0	419.0	419.0
40°	383.3	390.8	394.5	400.2	402.1	403.9	407.7	409.6	411.5	411.5
42.5°	372.0	379.5	383.3	388.9	390.8	392.7	396.4	398.3	400.2	400.2
45°	360.7	366.4	370.1	375.8	379.5	379.5	383.3	385.2	387.0	387.0
47.5°	345.7	351.3	355.1	360.7	364.5	366.4	368.2	370.1	372.0	372.0
50°	328.8	334.4	340.1	343.8	347.6	347.6	351.3	353.2	355.1	355.1
52.5°	311.9	315.6	321.3	326.9	328.8	330.7	332.5	334.4	336.3	336.3
55°	293.1	296.9	302.5	306.2	308.1	310.0	311.9	313.8	315.6	315.6
57.5°	272.4	276.2	281.8	285.6	287.5	289.3	291.2	293.1	295.0	295.0
60°	249.9	253.6	259.3	263.0	264.9	264.9	268.7	270.5	270.5	270.5
62.5°	227.3	231.1	234.9	238.6	240.5	242.4	244.2	246.1	246.1	246.1
65°	204.8	208.5	212.3	214.2	216.1	216.1	217.9	219.8	221.7	221.7
67.5°	180.4	184.1	187.9	189.8	191.6	191.6	193.5	195.4	195.4	195.4
70°	155.9	157.8	161.6	163.5	165.3	165.3	169.1	169.1	169.1	169.1
72.5°	131.5	133.4	137.2	139.0	140.9	140.9	142.8	144.7	144.7	144.7
75°	109.0	110.8	112.7	116.5	116.5	116.5	118.4	120.2	120.2	120.2
77.5°	86.4	88.3	90.2	92.1	93.9	93.9	95.8	97.7	97.7	97.7
80°	65.8	67.6	69.5	71.4	71.4	73.3	73.3	75.2	75.2	75.2
82.5°	47.0	48.8	50.7	52.6	54.5	54.5	56.4	58.2	58.2	56.4
85°	31.9	35.7	37.6	39.5	39.5	39.5	41.3	43.2	43.2	41.3
87.5°	22.5	22.5	24.4	26.3	26.3	28.2	28.2	30.1	30.1	30.1
90°	13.2	13.2	15.0	15.0	16.9	16.9	16.9	18.8	18.8	18.8
92.5°	31.9	31.9	33.8	33.8	33.8	33.8	35.7	35.7	35.7	35.7
95°	341.9	154.1	129.6	78.9	75.2	65.8	63.9	65.8	65.8	63.9
97.5°	1147.9	1228.7	1279.5	1303.9	1273.8	1241.9	1206.2	1200.6	1151.7	1042.7
100°	1238.1	1302.0	1364.0	1407.2	1424.1	1439.2	1473.0	1493.6	1503.0	1512.4
102.5°	1283.2	1350.9	1405.3	1459.8	1482.4	1503.0	1533.1	1557.5	1566.9	1574.4
105°	1322.7	1392.2	1452.3	1501.2	1521.8	1540.6	1570.7	1593.2	1610.1	1612.0
107.5°	1332.1	1405.3	1473.0	1533.1	1557.5	1578.2	1613.9	1630.8	1645.8	1645.8
110°	1349.0	1418.5	1480.5	1535.0	1559.4	1583.8	1621.4	1647.7	1662.7	1666.5





TEST NUMBER: P395796

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (6500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1362.1	1433.5	1491.8	1546.3	1566.9	1589.5	1625.2	1649.6	1662.7	1668.4
115°	1373.4	1442.9	1501.2	1551.9	1574.4	1597.0	1632.7	1653.3	1668.4	1674.0
117.5°	1380.9	1448.6	1506.8	1553.8	1578.2	1597.0	1630.8	1653.3	1668.4	1670.3
120°	1382.8	1450.4	1506.8	1553.8	1574.4	1595.1	1628.9	1651.5	1666.5	1666.5
122.5°	1382.8	1448.6	1504.9	1550.0	1568.8	1587.6	1619.5	1645.8	1659.0	1659.0
125°	1375.3	1441.0	1495.5	1540.6	1559.4	1576.3	1610.1	1634.6	1647.7	1649.6
127.5°	1364.0	1427.9	1482.4	1527.5	1546.3	1561.3	1597.0	1619.5	1632.7	1634.6
130°	1349.0	1412.9	1465.5	1508.7	1527.5	1544.4	1574.4	1598.9	1613.9	1617.6
132.5°	1332.1	1392.2	1444.8	1486.1	1504.9	1520.0	1550.0	1574.4	1587.6	1593.2
135°	1311.4	1367.8	1418.5	1459.8	1478.6	1493.6	1521.8	1546.3	1559.4	1565.0
137.5°	1285.1	1339.6	1388.4	1429.8	1446.7	1461.7	1489.9	1512.4	1523.7	1531.2
140°	1255.0	1305.8	1356.5	1394.1	1411.0	1426.0	1450.4	1474.9	1486.1	1491.8
142.5°	1223.1	1273.8	1318.9	1356.5	1371.5	1386.6	1411.0	1433.5	1444.8	1446.7
145°	1189.3	1238.1	1279.5	1315.2	1328.3	1343.3	1365.9	1388.4	1399.7	1401.6
147.5°	1151.7	1196.8	1236.3	1270.1	1285.1	1296.4	1317.0	1337.7	1349.0	1350.9
150°	1108.5	1149.8	1185.5	1219.3	1232.5	1243.8	1266.3	1285.1	1296.4	1298.3
152.5°	1067.2	1106.6	1136.7	1166.7	1179.9	1191.2	1209.9	1228.7	1240.0	1241.9
155°	1023.9	1059.6	1089.7	1114.1	1125.4	1136.7	1151.7	1168.6	1178.0	1179.9
157.5°	978.9	1012.7	1039.0	1061.5	1072.8	1082.2	1095.3	1110.4	1116.0	1119.8
160°	930.0	958.2	980.7	1003.3	1012.7	1022.1	1035.2	1046.5	1054.0	1055.9
162.5°	877.4	901.8	920.6	941.3	946.9	954.4	967.6	978.9	984.5	986.4
165°	822.9	845.5	862.4	879.3	883.0	888.7	898.1	909.3	913.1	916.9
167.5°	768.4	787.2	798.5	813.5	819.2	822.9	832.3	839.8	843.6	845.5
170°	715.8	729.0	738.4	749.6	751.5	757.2	762.8	770.3	772.2	772.2
172.5°	674.5	680.1	685.8	689.5	691.4	693.3	697.0	698.9	698.9	698.9
175°	648.2	651.9	651.9	653.8	653.8	653.8	653.8	653.8	653.8	653.8
177.5°	633.2	633.2	633.2	631.3	631.3	631.3	631.3	629.4	629.4	629.4
180°	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4	629.4

(END OF REPORT)