

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: P395793

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395793  
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 (4500K)  
Description: CORELITE I3, OPEN TOP  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7278.1 lumens  
Efficiency: N/A  
Efficacy: 114.6 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

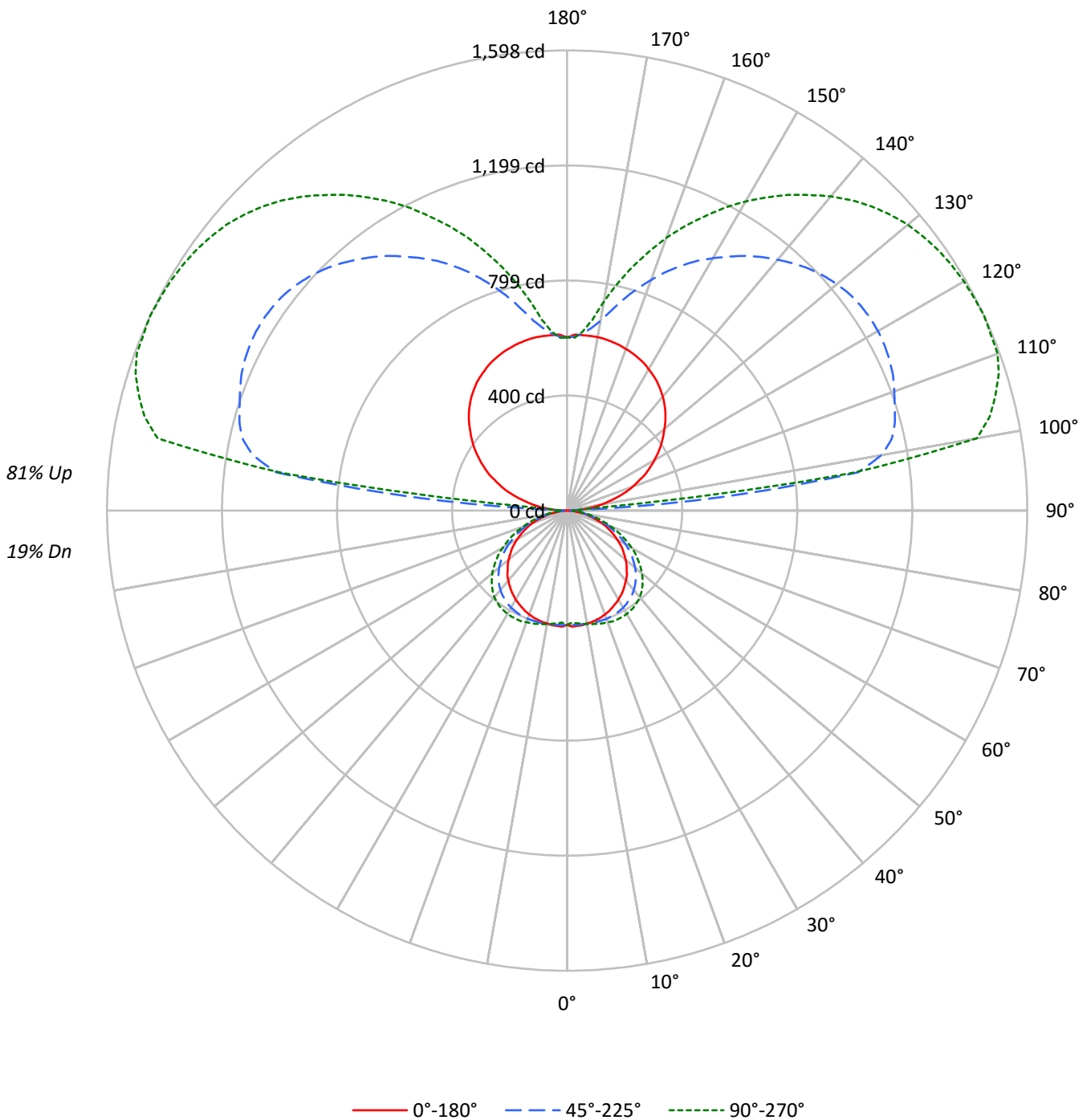
Input Watts (W): 63.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2179	2179	2179
5°	2209	2147	2106
10°	2206	2133	2109
15°	2210	2125	2127
20°	2211	2133	2152
25°	2208	2139	2184
30°	2211	2142	2205
35°	2209	2131	2215
40°	2200	2115	2202
45°	2180	2071	2154
50°	2161	2003	2075
55°	2123	1906	1956
60°	2057	1769	1800
65°	1966	1575	1606
70°	1858	1366	1354
75°	1611	1070	1086
80°	1280	770	785
85°	759	448	518



TEST NUMBER: P395793

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.9	0.5
10°-20°	113.1	1.6
20°-30°	182.0	2.5
30°-40°	234.1	3.2
40°-50°	257.2	3.5
50°-60°	241.7	3.3
60°-70°	187.8	2.6
70°-80°	107.7	1.5
80°-90°	34.5	0.5
90°-100°	465.3	6.4
100°-110°	1105.6	15.2
110°-120°	1110.6	15.3
120°-130°	1018.5	14.0
130°-140°	851.7	11.7
140°-150°	639.2	8.8
150°-160°	416.1	5.7
160°-170°	214.3	2.9
170°-180°	60.6	0.8
0°-30°	333.0	4.6
0°-40°	567.1	7.8
0°-60°	1066.0	14.6
0°-90°	1396.1	19.2
90°-120°	2681.5	36.8
90°-150°	5190.9	71.3
90°-180°	5882.0	80.8
0°-180°	7278.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	396	396	396	396	396	
5°	402	398	398	396	393	38
15°	393	391	400	405	407	111
25°	371	375	396	411	416	171
35°	339	348	377	400	407	212
45°	292	307	337	362	370	226
55°	235	248	274	294	301	209
65°	165	174	190	206	212	163
75°	88	92	100	111	115	94
85°	18	22	29	38	40	21
90°	2	5	11	16	18	5
95°	63	520	534	72	61	62
105°	181	698	1178	1453	1539	192
115°	300	786	1236	1503	1598	294
125°	398	820	1243	1489	1575	355
135°	482	816	1187	1412	1494	372
145°	545	782	1080	1268	1338	341
155°	585	718	938	1074	1126	270
165°	606	648	760	843	875	172
175°	612	610	617	624	624	58
180°	601	601	601	601	601	



TEST NUMBER: P395793

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4
2.5°	403.6	401.8	400.0	400.0	398.2	398.2	398.2	396.4	396.4	396.4	398.2
5°	401.8	401.8	400.0	398.2	398.2	398.2	396.4	396.4	396.4	396.4	398.2
7.5°	401.8	400.0	398.2	398.2	396.4	396.4	396.4	396.4	396.4	396.4	398.2
10°	398.2	398.2	396.4	396.4	394.6	396.4	396.4	396.4	396.4	396.4	400.0
12.5°	396.4	396.4	394.6	392.8	392.8	392.8	394.6	394.6	394.6	396.4	400.0
15°	392.8	392.8	391.0	391.0	391.0	391.0	392.8	392.8	394.6	396.4	400.0
17.5°	389.2	389.2	387.4	387.4	387.4	389.2	389.2	391.0	392.8	396.4	400.0
20°	383.8	383.8	383.8	383.8	383.8	385.6	385.6	387.4	391.0	394.6	400.0
22.5°	378.5	378.5	378.5	378.5	378.5	380.3	382.1	385.6	387.4	392.8	398.2
25°	371.3	371.3	371.3	371.3	373.1	374.9	376.7	380.3	383.8	389.2	396.4
27.5°	364.1	365.9	365.9	365.9	367.7	369.5	371.3	374.9	380.3	387.4	392.8
30°	356.9	356.9	356.9	358.7	360.5	362.3	365.9	369.5	374.9	382.1	389.2
32.5°	348.0	348.0	349.8	349.8	353.4	355.1	358.7	364.1	369.5	376.7	383.8
35°	339.0	339.0	339.0	342.6	344.4	348.0	349.8	355.1	362.3	369.5	376.7
37.5°	328.2	330.0	330.0	331.8	335.4	339.0	340.8	348.0	355.1	362.3	369.5
40°	317.5	319.3	319.3	321.1	326.4	328.2	331.8	339.0	344.4	353.4	360.5
42.5°	306.7	306.7	308.5	310.3	315.7	317.5	321.1	328.2	335.4	342.6	349.8
45°	292.4	294.2	296.0	297.7	303.1	306.7	310.3	315.7	322.9	330.0	337.2
47.5°	279.8	279.8	281.6	285.2	290.6	294.2	296.0	303.1	308.5	315.7	322.9
50°	265.5	267.3	267.3	270.8	276.2	279.8	281.6	288.8	294.2	301.3	308.5
52.5°	249.3	251.1	252.9	256.5	261.9	265.5	267.3	272.6	278.0	285.2	290.6
55°	235.0	236.8	236.8	240.4	245.7	247.5	251.1	254.7	261.9	267.3	274.4
57.5°	218.8	220.6	220.6	224.2	227.8	231.4	233.2	238.6	243.9	249.3	254.7
60°	200.9	202.7	204.5	206.3	209.9	213.4	215.2	218.8	224.2	229.6	235.0
62.5°	183.0	184.7	186.5	188.3	191.9	193.7	195.5	200.9	204.5	209.9	213.4
65°	165.0	166.8	168.6	170.4	172.2	174.0	175.8	179.4	183.0	188.3	190.1
67.5°	147.1	148.9	148.9	150.7	152.5	154.3	156.0	159.6	161.4	166.8	168.6
70°	129.1	129.1	129.1	130.9	130.9	132.7	134.5	138.1	139.9	143.5	147.1
72.5°	107.6	109.4	109.4	109.4	111.2	113.0	114.8	116.6	118.4	120.2	123.8
75°	87.9	89.7	87.9	89.7	91.5	91.5	93.3	95.1	96.9	98.7	100.4
77.5°	70.0	68.2	70.0	70.0	71.7	71.7	71.7	73.5	77.1	77.1	80.7
80°	50.2	50.2	50.2	50.2	52.0	52.0	53.8	53.8	57.4	59.2	61.0
82.5°	32.3	32.3	34.1	34.1	34.1	35.9	35.9	37.7	39.5	41.3	43.0
85°	17.9	17.9	17.9	19.7	19.7	21.5	21.5	23.3	25.1	26.9	28.7
87.5°	5.4	7.2	9.0	9.0	10.8	10.8	12.6	12.6	16.1	17.9	19.7
90°	1.8	1.8	3.6	3.6	3.6	5.4	5.4	7.2	7.2	9.0	10.8
92.5°	30.5	71.7	148.9	222.4	191.9	179.4	107.6	32.3	28.7	30.5	30.5
95°	62.8	118.4	217.0	351.6	455.6	520.2	563.2	645.7	730.0	715.7	534.5
97.5°	91.5	152.5	261.9	385.6	529.1	602.7	658.3	756.9	864.6	954.2	1018.8
100°	120.2	183.0	299.5	428.7	561.4	627.8	692.4	826.9	932.7	1022.4	1108.5
102.5°	150.7	213.4	333.6	468.1	599.1	663.7	726.4	844.8	963.2	1070.8	1155.1
105°	181.2	245.7	364.1	502.2	633.2	697.7	758.7	871.7	981.1	1081.6	1178.4
107.5°	213.4	274.4	391.0	529.1	660.1	724.6	785.6	898.6	1004.5	1104.9	1192.8
110°	242.1	301.3	417.9	554.2	685.2	749.8	810.7	923.7	1027.8	1122.8	1208.9



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CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	269.1	326.4	443.0	575.8	704.9	769.5	828.7	941.7	1045.7	1139.0	1225.1
115°	299.5	349.8	468.1	595.5	722.9	785.6	844.8	956.0	1060.1	1151.5	1235.8
117.5°	324.7	373.1	489.7	611.6	737.2	798.2	855.6	966.8	1069.0	1160.5	1243.0
120°	349.8	394.6	509.4	626.0	748.0	807.2	864.6	974.0	1076.2	1165.9	1246.6
122.5°	374.9	416.1	525.5	640.3	756.9	816.1	871.7	979.3	1079.8	1167.7	1246.6
125°	398.2	434.1	539.9	651.1	762.3	819.7	873.5	979.3	1078.0	1164.1	1243.0
127.5°	419.7	453.8	550.7	661.9	765.9	821.5	873.5	975.8	1074.4	1158.7	1235.8
130°	441.2	471.7	561.4	667.2	769.5	819.7	869.9	968.6	1065.4	1149.7	1223.3
132.5°	462.8	491.5	570.4	672.6	771.3	819.7	866.3	961.4	1054.7	1137.2	1207.1
135°	482.5	505.8	579.4	676.2	769.5	816.1	859.2	948.9	1038.5	1119.3	1187.4
137.5°	500.4	520.2	586.5	678.0	767.7	810.7	853.8	934.5	1018.8	1097.7	1164.1
140°	516.6	534.5	590.1	678.0	760.5	803.6	843.0	920.2	997.3	1072.6	1137.2
142.5°	530.9	547.1	595.5	674.4	753.3	794.6	832.3	905.8	975.8	1047.5	1110.3
145°	545.3	557.8	599.1	672.6	744.4	782.0	817.9	887.9	956.0	1020.6	1079.8
147.5°	556.0	568.6	602.7	665.5	733.6	767.7	801.8	868.1	930.9	991.9	1045.7
150°	566.8	577.6	604.5	658.3	721.1	751.5	782.0	844.8	905.8	961.4	1011.6
152.5°	577.6	584.7	609.8	651.1	706.7	735.4	765.9	821.5	877.1	929.1	977.6
155°	584.7	590.1	611.6	643.9	692.4	717.5	742.6	794.6	844.8	893.2	938.1
157.5°	591.9	597.3	613.4	638.5	676.2	699.5	721.1	765.9	812.5	855.6	896.8
160°	597.3	600.9	613.4	635.0	661.9	678.0	697.7	739.0	778.5	816.1	852.0
162.5°	602.7	604.5	613.4	629.6	649.3	660.1	674.4	706.7	742.6	774.9	807.2
165°	606.3	608.1	613.4	626.0	638.5	647.5	654.7	678.0	704.9	733.6	760.5
167.5°	609.8	609.8	613.4	622.4	629.6	635.0	640.3	652.9	670.8	692.4	712.1
170°	611.6	611.6	613.4	618.8	624.2	626.0	629.6	636.8	645.7	656.5	669.0
172.5°	611.6	611.6	611.6	615.2	617.0	617.0	617.0	620.6	626.0	633.2	638.5
175°	611.6	609.8	609.8	611.6	609.8	609.8	609.8	609.8	611.6	615.2	617.0
177.5°	611.6	609.8	608.1	608.1	606.3	606.3	604.5	604.5	604.5	604.5	604.5
180°	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4	396.4
2.5°	398.2	398.2	396.4	394.6	394.6	394.6	392.8	391.0	389.2	389.2
5°	398.2	398.2	396.4	396.4	396.4	396.4	394.6	394.6	392.8	392.8
7.5°	400.0	398.2	398.2	398.2	398.2	398.2	398.2	398.2	396.4	396.4
10°	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0	400.0
12.5°	401.8	401.8	401.8	401.8	403.6	403.6	403.6	403.6	403.6	403.6
15°	401.8	403.6	405.4	405.4	405.4	407.2	407.2	407.2	407.2	407.2
17.5°	403.6	405.4	407.2	407.2	409.0	409.0	410.8	410.8	410.8	410.8
20°	403.6	405.4	407.2	409.0	410.8	410.8	412.5	414.3	414.3	412.5
22.5°	401.8	405.4	407.2	409.0	410.8	412.5	414.3	416.1	416.1	416.1
25°	400.0	403.6	407.2	410.8	410.8	412.5	416.1	416.1	416.1	416.1
27.5°	398.2	401.8	405.4	409.0	410.8	412.5	414.3	416.1	416.1	416.1
30°	394.6	400.0	403.6	407.2	409.0	410.8	412.5	414.3	414.3	414.3
32.5°	389.2	394.6	398.2	403.6	405.4	407.2	409.0	410.8	410.8	410.8
35°	383.8	389.2	392.8	398.2	400.0	401.8	405.4	405.4	407.2	407.2
37.5°	374.9	382.1	385.6	391.0	392.8	394.6	398.2	400.0	400.0	400.0
40°	365.9	373.1	376.7	382.1	383.8	385.6	389.2	391.0	392.8	392.8
42.5°	355.1	362.3	365.9	371.3	373.1	374.9	378.5	380.3	382.1	382.1
45°	344.4	349.8	353.4	358.7	362.3	362.3	365.9	367.7	369.5	369.5
47.5°	330.0	335.4	339.0	344.4	348.0	349.8	351.6	353.4	355.1	355.1
50°	313.9	319.3	324.7	328.2	331.8	331.8	335.4	337.2	339.0	339.0
52.5°	297.7	301.3	306.7	312.1	313.9	315.7	317.5	319.3	321.1	321.1
55°	279.8	283.4	288.8	292.4	294.2	296.0	297.7	299.5	301.3	301.3
57.5°	260.1	263.7	269.1	272.6	274.4	276.2	278.0	279.8	281.6	281.6
60°	238.6	242.1	247.5	251.1	252.9	252.9	256.5	258.3	258.3	258.3
62.5°	217.0	220.6	224.2	227.8	229.6	231.4	233.2	235.0	235.0	235.0
65°	195.5	199.1	202.7	204.5	206.3	206.3	208.1	209.9	211.7	211.7
67.5°	172.2	175.8	179.4	181.2	183.0	183.0	184.7	186.5	186.5	186.5
70°	148.9	150.7	154.3	156.0	157.8	157.8	161.4	161.4	161.4	161.4
72.5°	125.6	127.4	130.9	132.7	134.5	134.5	136.3	138.1	138.1	138.1
75°	104.0	105.8	107.6	111.2	111.2	111.2	113.0	114.8	114.8	114.8
77.5°	82.5	84.3	86.1	87.9	89.7	89.7	91.5	93.3	93.3	93.3
80°	62.8	64.6	66.4	68.2	68.2	70.0	70.0	71.7	71.7	71.7
82.5°	44.8	46.6	48.4	50.2	52.0	52.0	53.8	55.6	55.6	53.8
85°	30.5	34.1	35.9	37.7	37.7	37.7	39.5	41.3	41.3	39.5
87.5°	21.5	21.5	23.3	25.1	25.1	26.9	26.9	28.7	28.7	28.7
90°	12.6	12.6	14.3	14.3	16.1	16.1	16.1	17.9	17.9	17.9
92.5°	30.5	30.5	32.3	32.3	32.3	32.3	34.1	34.1	34.1	34.1
95°	326.4	147.1	123.8	75.3	71.7	62.8	61.0	62.8	62.8	61.0
97.5°	1095.9	1173.1	1221.5	1244.8	1216.1	1185.6	1151.5	1146.2	1099.5	995.5
100°	1182.0	1243.0	1302.2	1343.5	1359.6	1374.0	1406.2	1426.0	1434.9	1443.9
102.5°	1225.1	1289.7	1341.7	1393.7	1415.2	1434.9	1463.6	1487.0	1495.9	1503.1
105°	1262.7	1329.1	1386.5	1433.1	1452.9	1470.8	1499.5	1521.0	1537.2	1539.0
107.5°	1271.7	1341.7	1406.2	1463.6	1487.0	1506.7	1540.8	1556.9	1571.3	1571.3
110°	1287.9	1354.2	1413.4	1465.4	1488.7	1512.1	1547.9	1573.1	1587.4	1591.0





TEST NUMBER: P395793

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (4500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1300.4	1368.6	1424.2	1476.2	1495.9	1517.4	1551.5	1574.8	1587.4	1592.8
115°	1311.2	1377.5	1433.1	1481.6	1503.1	1524.6	1558.7	1578.4	1592.8	1598.2
117.5°	1318.3	1382.9	1438.5	1483.4	1506.7	1524.6	1556.9	1578.4	1592.8	1594.6
120°	1320.1	1384.7	1438.5	1483.4	1503.1	1522.8	1555.1	1576.6	1591.0	1591.0
122.5°	1320.1	1382.9	1436.7	1479.8	1497.7	1515.7	1546.1	1571.3	1583.8	1583.8
125°	1313.0	1375.7	1427.8	1470.8	1488.7	1504.9	1537.2	1560.5	1573.1	1574.8
127.5°	1302.2	1363.2	1415.2	1458.3	1476.2	1490.5	1524.6	1546.1	1558.7	1560.5
130°	1287.9	1348.8	1399.1	1440.3	1458.3	1474.4	1503.1	1526.4	1540.8	1544.4
132.5°	1271.7	1329.1	1379.3	1418.8	1436.7	1451.1	1479.8	1503.1	1515.7	1521.0
135°	1252.0	1305.8	1354.2	1393.7	1411.6	1426.0	1452.9	1476.2	1488.7	1494.1
137.5°	1226.9	1278.9	1325.5	1365.0	1381.1	1395.5	1422.4	1443.9	1454.7	1461.8
140°	1198.2	1246.6	1295.0	1330.9	1347.0	1361.4	1384.7	1408.0	1418.8	1424.2
142.5°	1167.7	1216.1	1259.2	1295.0	1309.4	1323.7	1347.0	1368.6	1379.3	1381.1
145°	1135.4	1182.0	1221.5	1255.6	1268.1	1282.5	1304.0	1325.5	1336.3	1338.1
147.5°	1099.5	1142.6	1180.2	1212.5	1226.9	1237.6	1257.4	1277.1	1287.9	1289.7
150°	1058.3	1097.7	1131.8	1164.1	1176.6	1187.4	1208.9	1226.9	1237.6	1239.4
152.5°	1018.8	1056.5	1085.2	1113.9	1126.4	1137.2	1155.1	1173.1	1183.8	1185.6
155°	977.6	1011.6	1040.3	1063.6	1074.4	1085.2	1099.5	1115.7	1124.6	1126.4
157.5°	934.5	966.8	991.9	1013.4	1024.2	1033.2	1045.7	1060.1	1065.4	1069.0
160°	887.9	914.8	936.3	957.8	966.8	975.8	988.3	999.1	1006.3	1008.0
162.5°	837.6	861.0	878.9	898.6	904.0	911.2	923.7	934.5	939.9	941.7
165°	785.6	807.2	823.3	839.4	843.0	848.4	857.4	868.1	871.7	875.3
167.5°	733.6	751.5	762.3	776.7	782.0	785.6	794.6	801.8	805.4	807.2
170°	683.4	695.9	704.9	715.7	717.5	722.9	728.2	735.4	737.2	737.2
172.5°	643.9	649.3	654.7	658.3	660.1	661.9	665.5	667.2	667.2	667.2
175°	618.8	622.4	622.4	624.2	624.2	624.2	624.2	624.2	624.2	624.2
177.5°	604.5	604.5	604.5	602.7	602.7	602.7	602.7	600.9	600.9	600.9
180°	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9	600.9

(END OF REPORT)