

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: P395791

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (3500K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395791  
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 (3500K)  
Description: CORELITE I3, OPEN TOP  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6876.4 lumens  
Efficiency: N/A  
Efficacy: 110.2 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

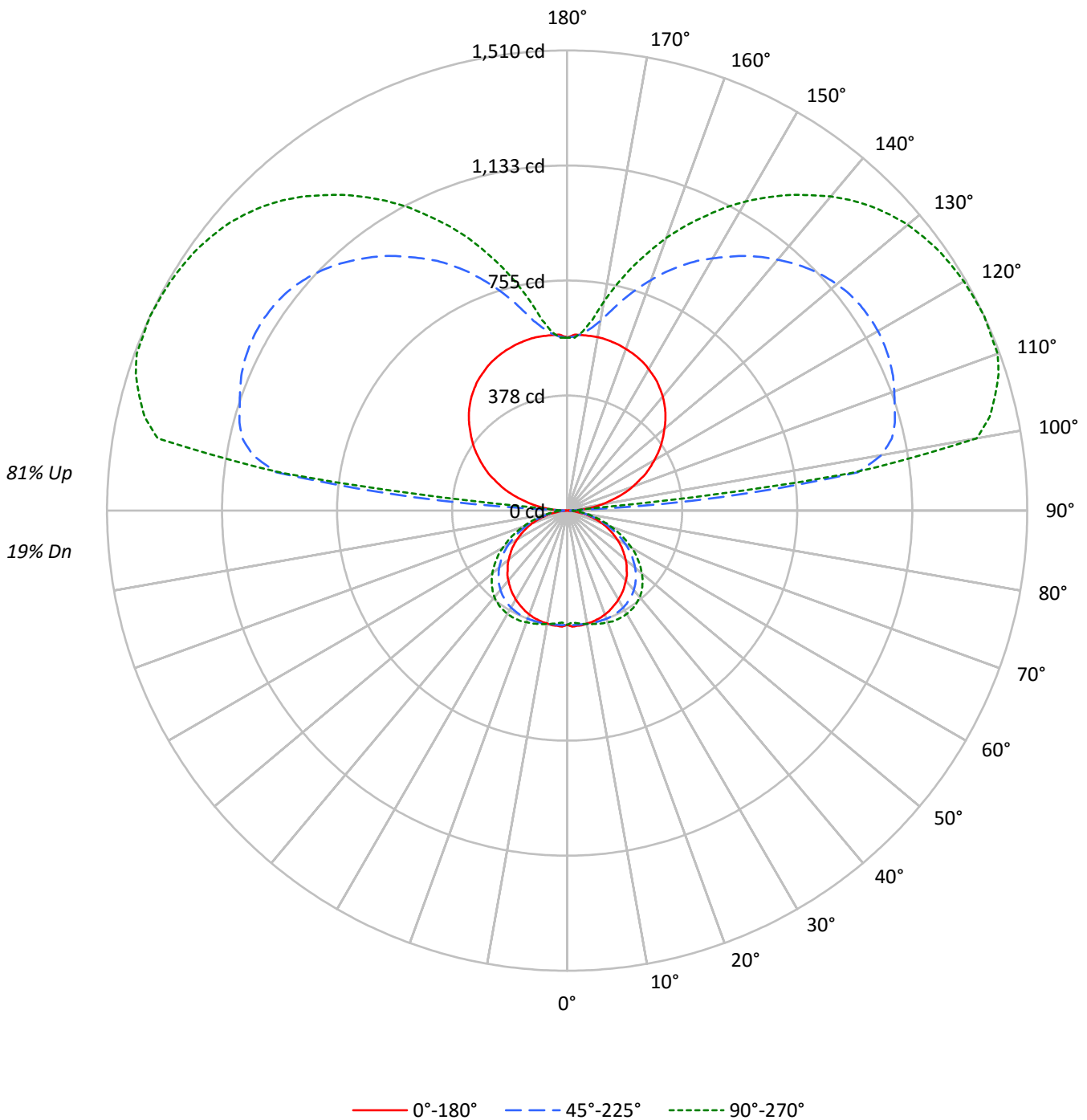
Input Watts (W): 62.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2058	2058	2058
5°	2087	2028	1990
10°	2084	2015	1992
15°	2088	2007	2010
20°	2089	2015	2033
25°	2086	2021	2064
30°	2089	2023	2084
35°	2087	2013	2093
40°	2078	1998	2081
45°	2059	1957	2035
50°	2041	1893	1960
55°	2006	1801	1848
60°	1943	1671	1700
65°	1858	1488	1517
70°	1755	1291	1279
75°	1521	1012	1027
80°	1211	727	742
85°	717	423	489



TEST NUMBER: P395791

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (3500K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.9	0.5
10°-20°	106.8	1.6
20°-30°	171.9	2.5
30°-40°	221.2	3.2
40°-50°	243.0	3.5
50°-60°	228.4	3.3
60°-70°	177.4	2.6
70°-80°	101.8	1.5
80°-90°	32.6	0.5
90°-100°	439.6	6.4
100°-110°	1044.6	15.2
110°-120°	1049.3	15.3
120°-130°	962.3	14.0
130°-140°	804.7	11.7
140°-150°	604.0	8.8
150°-160°	393.2	5.7
160°-170°	202.5	2.9
170°-180°	57.3	0.8
0°-30°	314.6	4.6
0°-40°	535.8	7.8
0°-60°	1007.2	14.6
0°-90°	1319.0	19.2
90°-120°	2533.5	36.8
90°-150°	4904.4	71.3
90°-180°	5557.0	80.8
0°-180°	6876.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	374	374	374	374	374	
5°	380	376	376	374	371	36
15°	371	369	378	383	385	105
25°	351	354	374	388	393	162
35°	320	329	356	378	385	200
45°	276	290	319	342	349	214
55°	222	234	259	278	285	198
65°	156	164	180	195	200	154
75°	83	86	95	105	108	88
85°	17	20	27	36	37	20
90°	2	5	10	15	17	5
95°	59	492	505	68	58	59
105°	171	659	1113	1373	1454	181
115°	283	742	1168	1420	1510	278
125°	376	774	1174	1407	1488	336
135°	456	771	1122	1334	1412	351
145°	515	739	1020	1198	1264	322
155°	552	678	886	1015	1064	255
165°	573	612	718	796	827	162
175°	578	576	583	590	590	55
180°	568	568	568	568	568	



TEST NUMBER: P395791

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5
2.5°	381.3	379.6	377.9	377.9	376.2	376.2	376.2	374.5	374.5	374.5	376.2
5°	379.6	379.6	377.9	376.2	376.2	376.2	374.5	374.5	374.5	374.5	376.2
7.5°	379.6	377.9	376.2	376.2	374.5	374.5	374.5	374.5	374.5	374.5	376.2
10°	376.2	376.2	374.5	374.5	372.8	374.5	374.5	374.5	374.5	374.5	377.9
12.5°	374.5	374.5	372.8	371.1	371.1	371.1	372.8	372.8	372.8	374.5	377.9
15°	371.1	371.1	369.4	369.4	369.4	369.4	371.1	371.1	372.8	374.5	377.9
17.5°	367.7	367.7	366.1	366.1	366.1	367.7	367.7	369.4	371.1	374.5	377.9
20°	362.7	362.7	362.7	362.7	362.7	364.4	364.4	366.1	369.4	372.8	377.9
22.5°	357.6	357.6	357.6	357.6	357.6	359.3	361.0	364.4	366.1	371.1	376.2
25°	350.8	350.8	350.8	350.8	352.5	354.2	355.9	359.3	362.7	367.7	374.5
27.5°	344.0	345.7	345.7	345.7	347.4	349.1	350.8	354.2	359.3	366.1	371.1
30°	337.2	337.2	337.2	338.9	340.6	342.3	345.7	349.1	354.2	361.0	367.7
32.5°	328.8	328.8	330.5	330.5	333.9	335.5	338.9	344.0	349.1	355.9	362.7
35°	320.3	320.3	320.3	323.7	325.4	328.8	330.5	335.5	342.3	349.1	355.9
37.5°	310.1	311.8	311.8	313.5	316.9	320.3	322.0	328.8	335.5	342.3	349.1
40°	300.0	301.7	301.7	303.3	308.4	310.1	313.5	320.3	325.4	333.9	340.6
42.5°	289.8	289.8	291.5	293.2	298.3	300.0	303.3	310.1	316.9	323.7	330.5
45°	276.2	277.9	279.6	281.3	286.4	289.8	293.2	298.3	305.0	311.8	318.6
47.5°	264.4	264.4	266.1	269.5	274.5	277.9	279.6	286.4	291.5	298.3	305.0
50°	250.8	252.5	252.5	255.9	261.0	264.4	266.1	272.8	277.9	284.7	291.5
52.5°	235.6	237.3	239.0	242.3	247.4	250.8	252.5	257.6	262.7	269.5	274.5
55°	222.0	223.7	223.7	227.1	232.2	233.9	237.3	240.6	247.4	252.5	259.3
57.5°	206.8	208.4	208.4	211.8	215.2	218.6	220.3	225.4	230.5	235.6	240.6
60°	189.8	191.5	193.2	194.9	198.3	201.7	203.4	206.8	211.8	216.9	222.0
62.5°	172.9	174.6	176.2	177.9	181.3	183.0	184.7	189.8	193.2	198.3	201.7
65°	155.9	157.6	159.3	161.0	162.7	164.4	166.1	169.5	172.9	177.9	179.6
67.5°	139.0	140.7	140.7	142.4	144.0	145.7	147.4	150.8	152.5	157.6	159.3
70°	122.0	122.0	122.0	123.7	123.7	125.4	127.1	130.5	132.2	135.6	139.0
72.5°	101.7	103.4	103.4	103.4	105.1	106.8	108.5	110.2	111.8	113.5	116.9
75°	83.0	84.7	83.0	84.7	86.4	86.4	88.1	89.8	91.5	93.2	94.9
77.5°	66.1	64.4	66.1	66.1	67.8	67.8	67.8	69.5	72.9	72.9	76.3
80°	47.5	47.5	47.5	47.5	49.1	49.1	50.8	50.8	54.2	55.9	57.6
82.5°	30.5	30.5	32.2	32.2	32.2	33.9	33.9	35.6	37.3	39.0	40.7
85°	16.9	16.9	16.9	18.6	18.6	20.3	20.3	22.0	23.7	25.4	27.1
87.5°	5.1	6.8	8.5	8.5	10.2	10.2	11.9	11.9	15.3	16.9	18.6
90°	1.7	1.7	3.4	3.4	3.4	5.1	5.1	6.8	6.8	8.5	10.2
92.5°	28.8	67.8	140.7	210.1	181.3	169.5	101.7	30.5	27.1	28.8	28.8
95°	59.3	111.8	205.1	332.2	430.4	491.5	532.1	610.1	689.7	676.2	505.0
97.5°	86.4	144.0	247.4	364.4	499.9	569.4	621.9	715.2	816.8	901.6	962.6
100°	113.5	172.9	283.0	405.0	530.4	593.1	654.1	781.2	881.2	966.0	1047.3
102.5°	142.4	201.7	315.2	442.3	566.0	627.0	686.3	798.2	910.0	1011.7	1091.4
105°	171.2	232.2	344.0	474.5	598.2	659.2	716.9	823.6	927.0	1021.9	1113.4
107.5°	201.7	259.3	369.4	499.9	623.6	684.7	742.3	849.0	949.0	1043.9	1127.0
110°	228.8	284.7	394.9	523.7	647.4	708.4	766.0	872.8	971.1	1060.9	1142.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	254.2	308.4	418.6	544.0	666.0	727.0	782.9	889.7	988.0	1076.1	1157.5
115°	283.0	330.5	442.3	562.6	683.0	742.3	798.2	903.3	1001.6	1088.0	1167.6
117.5°	306.7	352.5	462.6	577.9	696.5	754.1	808.4	913.4	1010.0	1096.5	1174.4
120°	330.5	372.8	481.3	591.4	706.7	762.6	816.8	920.2	1016.8	1101.5	1177.8
122.5°	354.2	393.2	496.5	605.0	715.2	771.1	823.6	925.3	1020.2	1103.2	1177.8
125°	376.2	410.1	510.1	615.2	720.2	774.5	825.3	925.3	1018.5	1099.9	1174.4
127.5°	396.6	428.8	520.3	625.3	723.6	776.2	825.3	921.9	1015.1	1094.8	1167.6
130°	416.9	445.7	530.4	630.4	727.0	774.5	821.9	915.1	1006.6	1086.3	1155.8
132.5°	437.2	464.3	538.9	635.5	728.7	774.5	818.5	908.4	996.5	1074.4	1140.5
135°	455.9	477.9	547.4	638.9	727.0	771.1	811.8	896.5	981.2	1057.5	1121.9
137.5°	472.8	491.5	554.2	640.6	725.3	766.0	806.7	882.9	962.6	1037.1	1099.9
140°	488.1	505.0	557.6	640.6	718.5	759.2	796.5	869.4	942.2	1013.4	1074.4
142.5°	501.6	516.9	562.6	637.2	711.8	750.7	786.3	855.8	921.9	989.7	1049.0
145°	515.2	527.0	566.0	635.5	703.3	738.9	772.8	838.9	903.3	964.3	1020.2
147.5°	525.4	537.2	569.4	628.7	693.1	725.3	757.5	820.2	879.5	937.2	988.0
150°	535.5	545.7	571.1	621.9	681.3	710.1	738.9	798.2	855.8	908.4	955.8
152.5°	545.7	552.5	576.2	615.2	667.7	694.8	723.6	776.2	828.7	877.8	923.6
155°	552.5	557.6	577.9	608.4	654.1	677.9	701.6	750.7	798.2	844.0	886.3
157.5°	559.2	564.3	579.6	603.3	638.9	660.9	681.3	723.6	767.7	808.4	847.3
160°	564.3	567.7	579.6	599.9	625.3	640.6	659.2	698.2	735.5	771.1	805.0
162.5°	569.4	571.1	579.6	594.8	613.5	623.6	637.2	667.7	701.6	732.1	762.6
165°	572.8	574.5	579.6	591.4	603.3	611.8	618.6	640.6	666.0	693.1	718.5
167.5°	576.2	576.2	579.6	588.1	594.8	599.9	605.0	616.9	633.8	654.1	672.8
170°	577.9	577.9	579.6	584.7	589.8	591.4	594.8	601.6	610.1	620.3	632.1
172.5°	577.9	577.9	577.9	581.3	583.0	583.0	583.0	586.4	591.4	598.2	603.3
175°	577.9	576.2	576.2	577.9	576.2	576.2	576.2	576.2	577.9	581.3	583.0
177.5°	577.9	576.2	574.5	574.5	572.8	572.8	571.1	571.1	571.1	571.1	571.1
180°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5
2.5°	376.2	376.2	374.5	372.8	372.8	372.8	371.1	369.4	367.7	367.7
5°	376.2	376.2	374.5	374.5	374.5	374.5	372.8	372.8	371.1	371.1
7.5°	377.9	376.2	376.2	376.2	376.2	376.2	376.2	376.2	374.5	374.5
10°	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9
12.5°	379.6	379.6	379.6	379.6	381.3	381.3	381.3	381.3	381.3	381.3
15°	379.6	381.3	383.0	383.0	383.0	384.7	384.7	384.7	384.7	384.7
17.5°	381.3	383.0	384.7	384.7	386.4	386.4	388.1	388.1	388.1	388.1
20°	381.3	383.0	384.7	386.4	388.1	388.1	389.8	391.5	391.5	389.8
22.5°	379.6	383.0	384.7	386.4	388.1	389.8	391.5	393.2	393.2	393.2
25°	377.9	381.3	384.7	388.1	388.1	389.8	393.2	393.2	393.2	393.2
27.5°	376.2	379.6	383.0	386.4	388.1	389.8	391.5	393.2	393.2	393.2
30°	372.8	377.9	381.3	384.7	386.4	388.1	389.8	391.5	391.5	391.5
32.5°	367.7	372.8	376.2	381.3	383.0	384.7	386.4	388.1	388.1	388.1
35°	362.7	367.7	371.1	376.2	377.9	379.6	383.0	383.0	384.7	384.7
37.5°	354.2	361.0	364.4	369.4	371.1	372.8	376.2	377.9	377.9	377.9
40°	345.7	352.5	355.9	361.0	362.7	364.4	367.7	369.4	371.1	371.1
42.5°	335.5	342.3	345.7	350.8	352.5	354.2	357.6	359.3	361.0	361.0
45°	325.4	330.5	333.9	338.9	342.3	342.3	345.7	347.4	349.1	349.1
47.5°	311.8	316.9	320.3	325.4	328.8	330.5	332.2	333.9	335.5	335.5
50°	296.6	301.7	306.7	310.1	313.5	313.5	316.9	318.6	320.3	320.3
52.5°	281.3	284.7	289.8	294.9	296.6	298.3	300.0	301.7	303.3	303.3
55°	264.4	267.8	272.8	276.2	277.9	279.6	281.3	283.0	284.7	284.7
57.5°	245.7	249.1	254.2	257.6	259.3	261.0	262.7	264.4	266.1	266.1
60°	225.4	228.8	233.9	237.3	239.0	239.0	242.3	244.0	244.0	244.0
62.5°	205.1	208.4	211.8	215.2	216.9	218.6	220.3	222.0	222.0	222.0
65°	184.7	188.1	191.5	193.2	194.9	194.9	196.6	198.3	200.0	200.0
67.5°	162.7	166.1	169.5	171.2	172.9	172.9	174.6	176.2	176.2	176.2
70°	140.7	142.4	145.7	147.4	149.1	149.1	152.5	152.5	152.5	152.5
72.5°	118.6	120.3	123.7	125.4	127.1	127.1	128.8	130.5	130.5	130.5
75°	98.3	100.0	101.7	105.1	105.1	105.1	106.8	108.5	108.5	108.5
77.5°	78.0	79.7	81.3	83.0	84.7	84.7	86.4	88.1	88.1	88.1
80°	59.3	61.0	62.7	64.4	64.4	66.1	66.1	67.8	67.8	67.8
82.5°	42.4	44.1	45.8	47.5	49.1	49.1	50.8	52.5	52.5	50.8
85°	28.8	32.2	33.9	35.6	35.6	35.6	37.3	39.0	39.0	37.3
87.5°	20.3	20.3	22.0	23.7	23.7	25.4	25.4	27.1	27.1	27.1
90°	11.9	11.9	13.6	13.6	15.3	15.3	15.3	16.9	16.9	16.9
92.5°	28.8	28.8	30.5	30.5	30.5	30.5	32.2	32.2	32.2	32.2
95°	308.4	139.0	116.9	71.2	67.8	59.3	57.6	59.3	59.3	57.6
97.5°	1035.5	1108.3	1154.1	1176.1	1149.0	1120.2	1088.0	1082.9	1038.8	940.5
100°	1116.8	1174.4	1230.3	1269.3	1284.6	1298.1	1328.6	1347.3	1355.7	1364.2
102.5°	1157.5	1218.5	1267.6	1316.8	1337.1	1355.7	1382.9	1404.9	1413.4	1420.1
105°	1193.1	1255.8	1310.0	1354.1	1372.7	1389.6	1416.8	1437.1	1452.3	1454.0
107.5°	1201.5	1267.6	1328.6	1382.9	1404.9	1423.5	1455.7	1471.0	1484.5	1484.5
110°	1216.8	1279.5	1335.4	1384.6	1406.6	1428.6	1462.5	1486.2	1499.8	1503.2





TEST NUMBER: P395791

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (3500K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1228.6	1293.0	1345.6	1394.7	1413.4	1433.7	1465.9	1487.9	1499.8	1504.9
115°	1238.8	1301.5	1354.1	1399.8	1420.1	1440.5	1472.7	1491.3	1504.9	1510.0
117.5°	1245.6	1306.6	1359.1	1401.5	1423.5	1440.5	1471.0	1491.3	1504.9	1506.6
120°	1247.3	1308.3	1359.1	1401.5	1420.1	1438.8	1469.3	1489.6	1503.2	1503.2
122.5°	1247.3	1306.6	1357.4	1398.1	1415.1	1432.0	1460.8	1484.5	1496.4	1496.4
125°	1240.5	1299.8	1349.0	1389.6	1406.6	1421.8	1452.3	1474.4	1486.2	1487.9
127.5°	1230.3	1288.0	1337.1	1377.8	1394.7	1408.3	1440.5	1460.8	1472.7	1474.4
130°	1216.8	1274.4	1321.9	1360.8	1377.8	1393.0	1420.1	1442.2	1455.7	1459.1
132.5°	1201.5	1255.8	1303.2	1340.5	1357.4	1371.0	1398.1	1420.1	1432.0	1437.1
135°	1182.9	1233.7	1279.5	1316.8	1333.7	1347.3	1372.7	1394.7	1406.6	1411.7
137.5°	1159.2	1208.3	1252.4	1289.7	1304.9	1318.5	1343.9	1364.2	1374.4	1381.2
140°	1132.0	1177.8	1223.6	1257.5	1272.7	1286.3	1308.3	1330.3	1340.5	1345.6
142.5°	1103.2	1149.0	1189.7	1223.6	1237.1	1250.7	1272.7	1293.0	1303.2	1304.9
145°	1072.7	1116.8	1154.1	1186.3	1198.1	1211.7	1232.0	1252.4	1262.5	1264.2
147.5°	1038.8	1079.5	1115.1	1145.6	1159.2	1169.3	1188.0	1206.6	1216.8	1218.5
150°	999.9	1037.1	1069.3	1099.9	1111.7	1121.9	1142.2	1159.2	1169.3	1171.0
152.5°	962.6	998.2	1025.3	1052.4	1064.3	1074.4	1091.4	1108.3	1118.5	1120.2
155°	923.6	955.8	982.9	1004.9	1015.1	1025.3	1038.8	1054.1	1062.6	1064.3
157.5°	882.9	913.4	937.2	957.5	967.7	976.1	988.0	1001.6	1006.6	1010.0
160°	838.9	864.3	884.6	905.0	913.4	921.9	933.8	943.9	950.7	952.4
162.5°	791.4	813.4	830.4	849.0	854.1	860.9	872.8	882.9	888.0	889.7
165°	742.3	762.6	777.9	793.1	796.5	801.6	810.1	820.2	823.6	827.0
167.5°	693.1	710.1	720.2	733.8	738.9	742.3	750.7	757.5	760.9	762.6
170°	645.7	657.5	666.0	676.2	677.9	683.0	688.0	694.8	696.5	696.5
172.5°	608.4	613.5	618.6	621.9	623.6	625.3	628.7	630.4	630.4	630.4
175°	584.7	588.1	588.1	589.8	589.8	589.8	589.8	589.8	589.8	589.8
177.5°	571.1	571.1	571.1	569.4	569.4	569.4	569.4	567.7	567.7	567.7
180°	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7	567.7

(END OF REPORT)