

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: P395789

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395789  
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 (2700K)  
Description: CORELITE I3, OPEN TOP  
8000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6298.0 lumens  
Efficiency: N/A  
Efficacy: 101.3 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

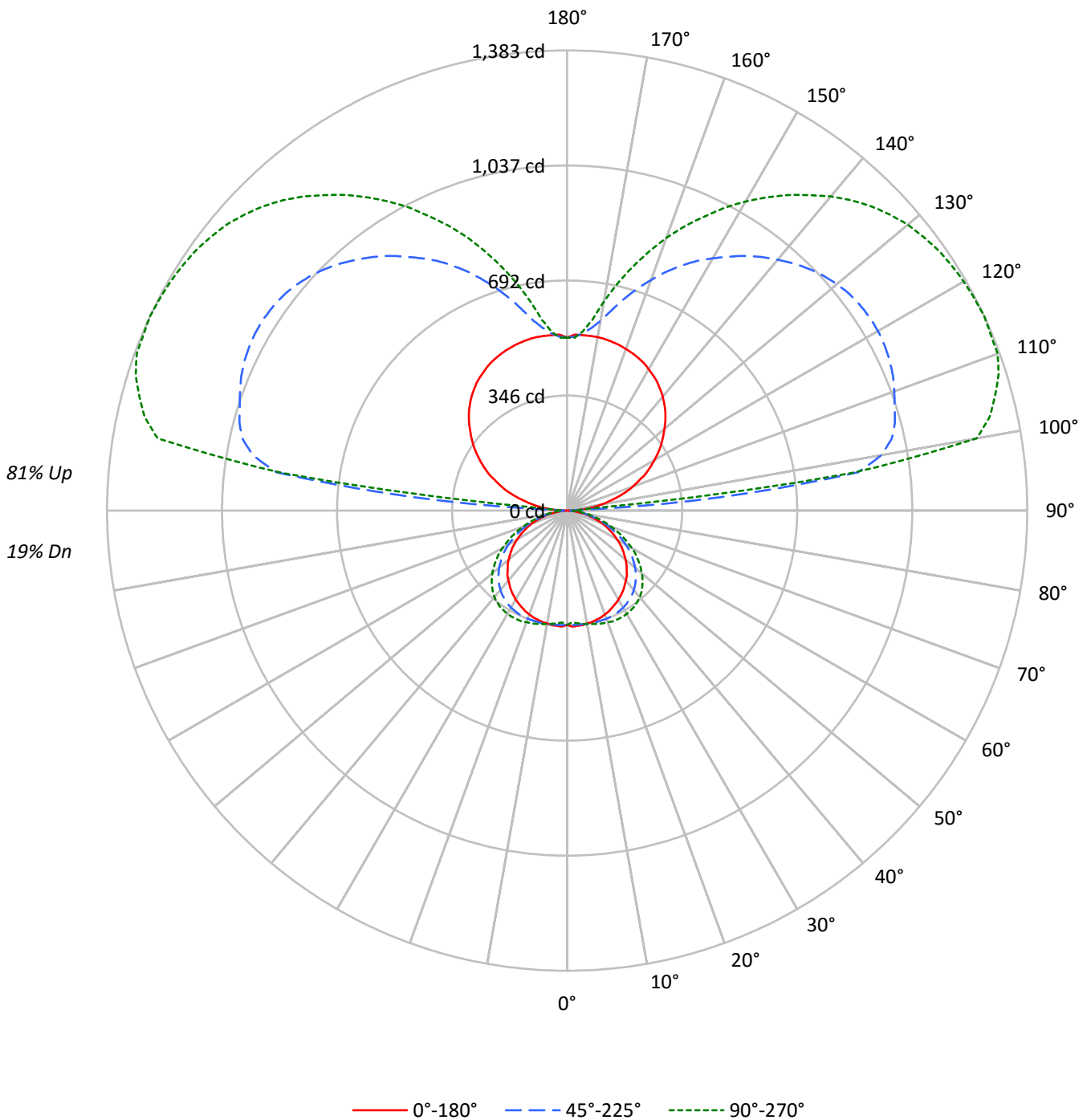
Input Watts (W): 62.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395789

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395789

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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°	1885	1885	1885
5°	1911	1858	1822
10°	1909	1845	1824
15°	1912	1838	1840
20°	1913	1846	1862
25°	1911	1851	1890
30°	1914	1853	1908
35°	1912	1844	1917
40°	1903	1830	1906
45°	1886	1792	1864
50°	1869	1734	1796
55°	1837	1650	1693
60°	1779	1530	1558
65°	1702	1363	1389
70°	1609	1182	1172
75°	1395	926	940
80°	1109	667	680
85°	658	387	447



TEST NUMBER: P395789

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	0.5
10°-20°	97.9	1.6
20°-30°	157.5	2.5
30°-40°	202.6	3.2
40°-50°	222.6	3.5
50°-60°	209.2	3.3
60°-70°	162.5	2.6
70°-80°	93.2	1.5
80°-90°	29.9	0.5
90°-100°	402.6	6.4
100°-110°	956.7	15.2
110°-120°	961.1	15.3
120°-130°	881.4	14.0
130°-140°	737.0	11.7
140°-150°	553.2	8.8
150°-160°	360.1	5.7
160°-170°	185.4	2.9
170°-180°	52.5	0.8
0°-30°	288.1	4.6
0°-40°	490.8	7.8
0°-60°	922.5	14.6
0°-90°	1208.1	19.2
90°-120°	2320.4	36.8
90°-150°	4491.9	71.3
90°-180°	5090.0	80.8
0°-180°	6298.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	343	343	343	343	343	
5°	348	345	345	343	340	33
15°	340	338	346	351	352	96
25°	321	324	343	355	360	148
35°	293	301	326	346	352	183
45°	253	265	292	314	320	196
55°	203	214	238	255	261	181
65°	143	151	164	178	183	141
75°	76	79	87	96	99	81
85°	16	19	25	33	34	18
90°	2	5	9	14	16	5
95°	54	450	462	62	53	54
105°	157	604	1020	1257	1332	166
115°	259	680	1069	1301	1383	255
125°	345	709	1076	1288	1363	308
135°	418	706	1028	1222	1293	322
145°	472	677	934	1097	1158	295
155°	506	621	812	930	975	234
165°	525	560	658	730	757	148
175°	529	528	534	540	540	50
180°	520	520	520	520	520	



TEST NUMBER: P395789

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	349.2	347.7	346.1	346.1	344.6	344.6	344.6	343.0	343.0	343.0	344.6
5°	347.7	347.7	346.1	344.6	344.6	344.6	343.0	343.0	343.0	343.0	344.6
7.5°	347.7	346.1	344.6	344.6	343.0	343.0	343.0	343.0	343.0	343.0	344.6
10°	344.6	344.6	343.0	343.0	341.5	343.0	343.0	343.0	343.0	343.0	346.1
12.5°	343.0	343.0	341.5	339.9	339.9	339.9	341.5	341.5	341.5	343.0	346.1
15°	339.9	339.9	338.4	338.4	338.4	338.4	339.9	339.9	341.5	343.0	346.1
17.5°	336.8	336.8	335.3	335.3	335.3	336.8	336.8	338.4	339.9	343.0	346.1
20°	332.2	332.2	332.2	332.2	332.2	333.7	333.7	335.3	338.4	341.5	346.1
22.5°	327.5	327.5	327.5	327.5	327.5	329.1	330.6	333.7	335.3	339.9	344.6
25°	321.3	321.3	321.3	321.3	322.8	324.4	325.9	329.1	332.2	336.8	343.0
27.5°	315.1	316.6	316.6	316.6	318.2	319.7	321.3	324.4	329.1	335.3	339.9
30°	308.9	308.9	308.9	310.4	312.0	313.5	316.6	319.7	324.4	330.6	336.8
32.5°	301.1	301.1	302.7	302.7	305.8	307.3	310.4	315.1	319.7	325.9	332.2
35°	293.4	293.4	293.4	296.5	298.0	301.1	302.7	307.3	313.5	319.7	325.9
37.5°	284.0	285.6	285.6	287.1	290.3	293.4	294.9	301.1	307.3	313.5	319.7
40°	274.7	276.3	276.3	277.8	282.5	284.0	287.1	293.4	298.0	305.8	312.0
42.5°	265.4	265.4	267.0	268.5	273.2	274.7	277.8	284.0	290.3	296.5	302.7
45°	253.0	254.6	256.1	257.7	262.3	265.4	268.5	273.2	279.4	285.6	291.8
47.5°	242.1	242.1	243.7	246.8	251.4	254.6	256.1	262.3	267.0	273.2	279.4
50°	229.7	231.3	231.3	234.4	239.0	242.1	243.7	249.9	254.6	260.8	267.0
52.5°	215.7	217.3	218.9	222.0	226.6	229.7	231.3	235.9	240.6	246.8	251.4
55°	203.3	204.9	204.9	208.0	212.6	214.2	217.3	220.4	226.6	231.3	237.5
57.5°	189.4	190.9	190.9	194.0	197.1	200.2	201.8	206.4	211.1	215.7	220.4
60°	173.8	175.4	176.9	178.5	181.6	184.7	186.3	189.4	194.0	198.7	203.3
62.5°	158.3	159.9	161.4	163.0	166.1	167.6	169.2	173.8	176.9	181.6	184.7
65°	142.8	144.3	145.9	147.5	149.0	150.6	152.1	155.2	158.3	163.0	164.5
67.5°	127.3	128.8	128.8	130.4	131.9	133.5	135.0	138.1	139.7	144.3	145.9
70°	111.8	111.8	111.8	113.3	113.3	114.9	116.4	119.5	121.1	124.2	127.3
72.5°	93.1	94.7	94.7	94.7	96.2	97.8	99.3	100.9	102.4	104.0	107.1
75°	76.1	77.6	76.1	77.6	79.2	79.2	80.7	82.3	83.8	85.4	86.9
77.5°	60.5	59.0	60.5	60.5	62.1	62.1	62.1	63.6	66.7	66.7	69.8
80°	43.5	43.5	43.5	43.5	45.0	45.0	46.6	46.6	49.7	51.2	52.8
82.5°	27.9	27.9	29.5	29.5	29.5	31.0	31.0	32.6	34.1	35.7	37.3
85°	15.5	15.5	15.5	17.1	17.1	18.6	18.6	20.2	21.7	23.3	24.8
87.5°	4.7	6.2	7.8	7.8	9.3	9.3	10.9	10.9	14.0	15.5	17.1
90°	1.6	1.6	3.1	3.1	3.1	4.7	4.7	6.2	6.2	7.8	9.3
92.5°	26.4	62.1	128.8	192.5	166.1	155.2	93.1	27.9	24.8	26.4	26.4
95°	54.3	102.4	187.8	304.2	394.2	450.1	487.4	558.8	631.7	619.3	462.5
97.5°	79.2	131.9	226.6	333.7	457.9	521.5	569.6	655.0	748.1	825.7	881.6
100°	104.0	158.3	259.2	371.0	485.8	543.2	599.1	715.5	807.1	884.7	959.2
102.5°	130.4	184.7	288.7	405.1	518.4	574.3	628.6	731.1	833.5	926.6	999.6
105°	156.8	212.6	315.1	434.6	547.9	603.8	656.6	754.3	849.0	935.9	1019.8
107.5°	184.7	237.5	338.4	457.9	571.2	627.1	679.8	777.6	869.2	956.1	1032.2
110°	209.5	260.8	361.6	479.6	592.9	648.8	701.6	799.4	889.4	971.6	1046.1



TEST NUMBER: P395789

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	232.8	282.5	383.4	498.2	610.0	665.9	717.1	814.9	904.9	985.6	1060.1
115°	259.2	302.7	405.1	515.3	625.5	679.8	731.1	827.3	917.3	996.5	1069.4
117.5°	280.9	322.8	423.7	529.3	637.9	690.7	740.4	836.6	925.1	1004.2	1075.6
120°	302.7	341.5	440.8	541.7	647.2	698.5	748.1	842.8	931.3	1008.9	1078.7
122.5°	324.4	360.1	454.8	554.1	655.0	706.2	754.3	847.5	934.4	1010.4	1078.7
125°	344.6	375.6	467.2	563.4	659.7	709.3	755.9	847.5	932.8	1007.3	1075.6
127.5°	363.2	392.7	476.5	572.7	662.8	710.9	755.9	844.4	929.7	1002.7	1069.4
130°	381.8	408.2	485.8	577.4	665.9	709.3	752.8	838.2	922.0	994.9	1058.6
132.5°	400.5	425.3	493.6	582.1	667.4	709.3	749.7	831.9	912.7	984.1	1044.6
135°	417.5	437.7	501.3	585.2	665.9	706.2	743.5	821.1	898.7	968.5	1027.5
137.5°	433.0	450.1	507.6	586.7	664.3	701.6	738.8	808.7	881.6	949.9	1007.3
140°	447.0	462.5	510.7	586.7	658.1	695.4	729.5	796.2	863.0	928.2	984.1
142.5°	459.4	473.4	515.3	583.6	651.9	687.6	720.2	783.8	844.4	906.5	960.8
145°	471.9	482.7	518.4	582.1	644.1	676.7	707.8	768.3	827.3	883.2	934.4
147.5°	481.2	492.0	521.5	575.8	634.8	664.3	693.8	751.2	805.6	858.3	904.9
150°	490.5	499.8	523.1	569.6	624.0	650.3	676.7	731.1	783.8	831.9	875.4
152.5°	499.8	506.0	527.7	563.4	611.5	636.4	662.8	710.9	759.0	804.0	845.9
155°	506.0	510.7	529.3	557.2	599.1	620.9	642.6	687.6	731.1	773.0	811.8
157.5°	512.2	516.9	530.8	552.6	585.2	605.3	624.0	662.8	703.1	740.4	776.1
160°	516.9	520.0	530.8	549.5	572.7	586.7	603.8	639.5	673.6	706.2	737.3
162.5°	521.5	523.1	530.8	544.8	561.9	571.2	583.6	611.5	642.6	670.5	698.5
165°	524.6	526.2	530.8	541.7	552.6	560.3	566.5	586.7	610.0	634.8	658.1
167.5°	527.7	527.7	530.8	538.6	544.8	549.5	554.1	565.0	580.5	599.1	616.2
170°	529.3	529.3	530.8	535.5	540.1	541.7	544.8	551.0	558.8	568.1	578.9
172.5°	529.3	529.3	529.3	532.4	533.9	533.9	533.9	537.0	541.7	547.9	552.6
175°	529.3	527.7	527.7	529.3	527.7	527.7	527.7	527.7	529.3	532.4	533.9
177.5°	529.3	527.7	526.2	526.2	524.6	524.6	523.1	523.1	523.1	523.1	523.1
180°	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0



TEST NUMBER: P395789

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0	343.0
2.5°	344.6	344.6	343.0	341.5	341.5	341.5	339.9	338.4	336.8	336.8
5°	344.6	344.6	343.0	343.0	343.0	343.0	341.5	341.5	339.9	339.9
7.5°	346.1	344.6	344.6	344.6	344.6	344.6	344.6	344.6	343.0	343.0
10°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
12.5°	347.7	347.7	347.7	347.7	349.2	349.2	349.2	349.2	349.2	349.2
15°	347.7	349.2	350.8	350.8	350.8	352.3	352.3	352.3	352.3	352.3
17.5°	349.2	350.8	352.3	352.3	353.9	353.9	355.4	355.4	355.4	355.4
20°	349.2	350.8	352.3	353.9	355.4	355.4	357.0	358.5	358.5	357.0
22.5°	347.7	350.8	352.3	353.9	355.4	357.0	358.5	360.1	360.1	360.1
25°	346.1	349.2	352.3	355.4	355.4	357.0	360.1	360.1	360.1	360.1
27.5°	344.6	347.7	350.8	353.9	355.4	357.0	358.5	360.1	360.1	360.1
30°	341.5	346.1	349.2	352.3	353.9	355.4	357.0	358.5	358.5	358.5
32.5°	336.8	341.5	344.6	349.2	350.8	352.3	353.9	355.4	355.4	355.4
35°	332.2	336.8	339.9	344.6	346.1	347.7	350.8	350.8	352.3	352.3
37.5°	324.4	330.6	333.7	338.4	339.9	341.5	344.6	346.1	346.1	346.1
40°	316.6	322.8	325.9	330.6	332.2	333.7	336.8	338.4	339.9	339.9
42.5°	307.3	313.5	316.6	321.3	322.8	324.4	327.5	329.1	330.6	330.6
45°	298.0	302.7	305.8	310.4	313.5	313.5	316.6	318.2	319.7	319.7
47.5°	285.6	290.3	293.4	298.0	301.1	302.7	304.2	305.8	307.3	307.3
50°	271.6	276.3	280.9	284.0	287.1	287.1	290.3	291.8	293.4	293.4
52.5°	257.7	260.8	265.4	270.1	271.6	273.2	274.7	276.3	277.8	277.8
55°	242.1	245.2	249.9	253.0	254.6	256.1	257.7	259.2	260.8	260.8
57.5°	225.1	228.2	232.8	235.9	237.5	239.0	240.6	242.1	243.7	243.7
60°	206.4	209.5	214.2	217.3	218.9	218.9	222.0	223.5	223.5	223.5
62.5°	187.8	190.9	194.0	197.1	198.7	200.2	201.8	203.3	203.3	203.3
65°	169.2	172.3	175.4	176.9	178.5	178.5	180.0	181.6	183.2	183.2
67.5°	149.0	152.1	155.2	156.8	158.3	158.3	159.9	161.4	161.4	161.4
70°	128.8	130.4	133.5	135.0	136.6	136.6	139.7	139.7	139.7	139.7
72.5°	108.6	110.2	113.3	114.9	116.4	116.4	118.0	119.5	119.5	119.5
75°	90.0	91.6	93.1	96.2	96.2	96.2	97.8	99.3	99.3	99.3
77.5°	71.4	73.0	74.5	76.1	77.6	77.6	79.2	80.7	80.7	80.7
80°	54.3	55.9	57.4	59.0	59.0	60.5	60.5	62.1	62.1	62.1
82.5°	38.8	40.4	41.9	43.5	45.0	45.0	46.6	48.1	48.1	46.6
85°	26.4	29.5	31.0	32.6	32.6	32.6	34.1	35.7	35.7	34.1
87.5°	18.6	18.6	20.2	21.7	21.7	23.3	23.3	24.8	24.8	24.8
90°	10.9	10.9	12.4	12.4	14.0	14.0	14.0	15.5	15.5	15.5
92.5°	26.4	26.4	27.9	27.9	27.9	27.9	29.5	29.5	29.5	29.5
95°	282.5	127.3	107.1	65.2	62.1	54.3	52.8	54.3	54.3	52.8
97.5°	948.4	1015.1	1057.0	1077.2	1052.4	1026.0	996.5	991.8	951.5	861.4
100°	1022.9	1075.6	1126.9	1162.6	1176.5	1188.9	1216.9	1234.0	1241.7	1249.5
102.5°	1060.1	1116.0	1161.0	1206.0	1224.6	1241.7	1266.5	1286.7	1294.5	1300.7
105°	1092.7	1150.1	1199.8	1240.2	1257.2	1272.8	1297.6	1316.2	1330.2	1331.7
107.5°	1100.5	1161.0	1216.9	1266.5	1286.7	1303.8	1333.3	1347.3	1359.7	1359.7
110°	1114.4	1171.9	1223.1	1268.1	1288.3	1308.5	1339.5	1361.2	1373.6	1376.7





TEST NUMBER: P395789

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (2700K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1125.3	1184.3	1232.4	1277.4	1294.5	1313.1	1342.6	1362.8	1373.6	1378.3
115°	1134.6	1192.0	1240.2	1282.1	1300.7	1319.3	1348.8	1365.9	1378.3	1383.0
117.5°	1140.8	1196.7	1244.8	1283.6	1303.8	1319.3	1347.3	1365.9	1378.3	1379.9
120°	1142.4	1198.3	1244.8	1283.6	1300.7	1317.8	1345.7	1364.3	1376.7	1376.7
122.5°	1142.4	1196.7	1243.3	1280.5	1296.0	1311.6	1337.9	1359.7	1370.5	1370.5
125°	1136.2	1190.5	1235.5	1272.8	1288.3	1302.2	1330.2	1350.4	1361.2	1362.8
127.5°	1126.9	1179.6	1224.6	1261.9	1277.4	1289.8	1319.3	1337.9	1348.8	1350.4
130°	1114.4	1167.2	1210.7	1246.4	1261.9	1275.9	1300.7	1320.9	1333.3	1336.4
132.5°	1100.5	1150.1	1193.6	1227.7	1243.3	1255.7	1280.5	1300.7	1311.6	1316.2
135°	1083.4	1130.0	1171.9	1206.0	1221.5	1234.0	1257.2	1277.4	1288.3	1292.9
137.5°	1061.7	1106.7	1147.0	1181.2	1195.1	1207.6	1230.8	1249.5	1258.8	1265.0
140°	1036.8	1078.7	1120.6	1151.7	1165.7	1178.1	1198.3	1218.4	1227.7	1232.4
142.5°	1010.4	1052.4	1089.6	1120.6	1133.1	1145.5	1165.7	1184.3	1193.6	1195.1
145°	982.5	1022.9	1057.0	1086.5	1097.4	1109.8	1128.4	1147.0	1156.3	1157.9
147.5°	951.5	988.7	1021.3	1049.2	1061.7	1071.0	1088.1	1105.1	1114.4	1116.0
150°	915.8	949.9	979.4	1007.3	1018.2	1027.5	1046.1	1061.7	1071.0	1072.5
152.5°	881.6	914.2	939.0	963.9	974.7	984.1	999.6	1015.1	1024.4	1026.0
155°	845.9	875.4	900.2	920.4	929.7	939.0	951.5	965.4	973.2	974.7
157.5°	808.7	836.6	858.3	877.0	886.3	894.0	904.9	917.3	922.0	925.1
160°	768.3	791.6	810.2	828.8	836.6	844.4	855.2	864.5	870.8	872.3
162.5°	724.8	745.0	760.5	777.6	782.3	788.5	799.4	808.7	813.3	814.9
165°	679.8	698.5	712.4	726.4	729.5	734.2	741.9	751.2	754.3	757.4
167.5°	634.8	650.3	659.7	672.1	676.7	679.8	687.6	693.8	696.9	698.5
170°	591.4	602.2	610.0	619.3	620.9	625.5	630.2	636.4	637.9	637.9
172.5°	557.2	561.9	566.5	569.6	571.2	572.7	575.8	577.4	577.4	577.4
175°	535.5	538.6	538.6	540.1	540.1	540.1	540.1	540.1	540.1	540.1
177.5°	523.1	523.1	523.1	521.5	521.5	521.5	521.5	520.0	520.0	520.0
180°	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0	520.0

(END OF REPORT)