

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: P395782

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395782
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-80L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8378.6 lumens
Efficiency: N/A
Efficacy: 130.9 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

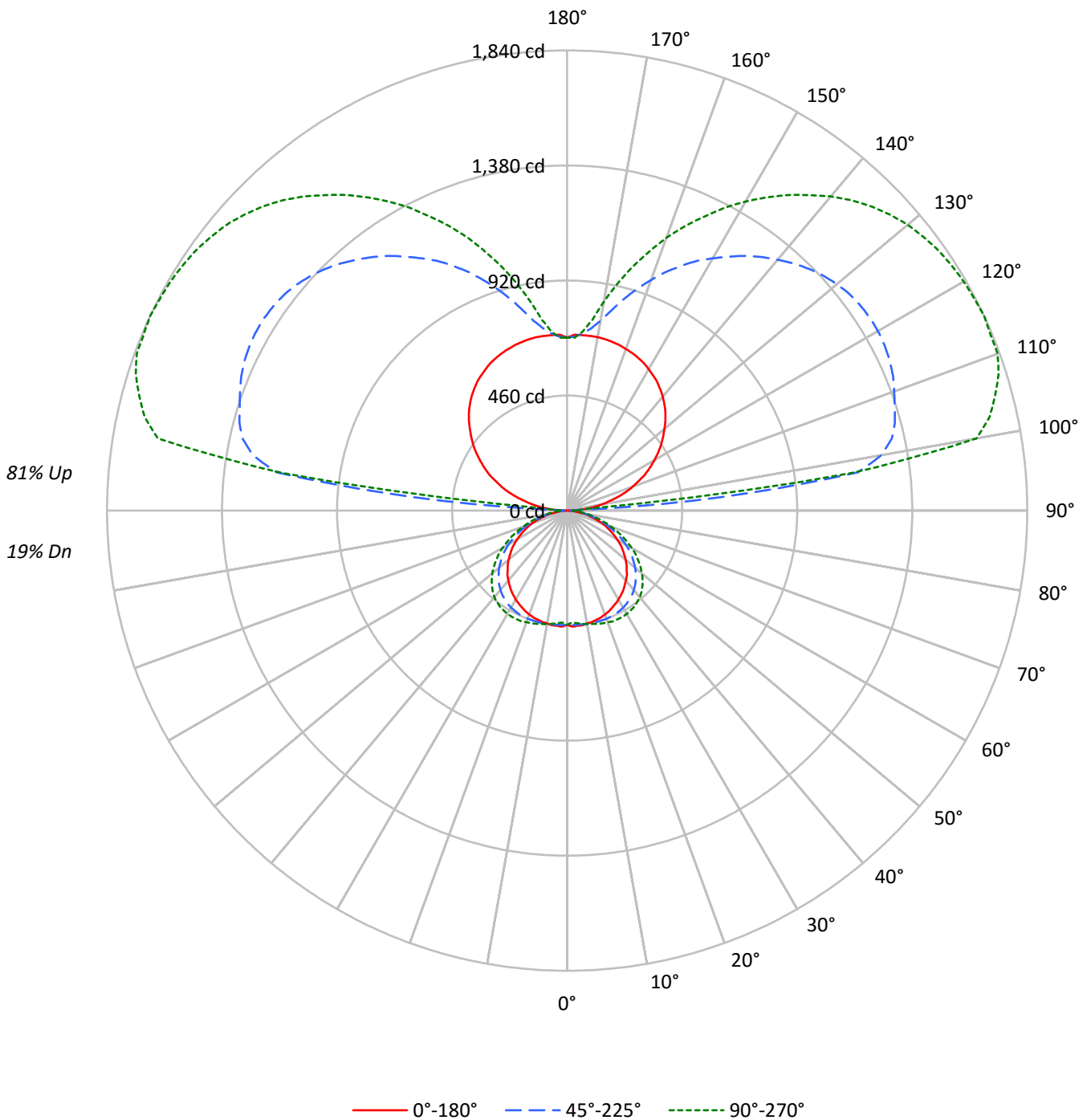
Input Watts (W): 64
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2508	2508	2508
5°	2542	2472	2424
10°	2539	2455	2427
15°	2544	2446	2448
20°	2545	2456	2477
25°	2542	2462	2515
30°	2545	2466	2539
35°	2543	2453	2550
40°	2532	2435	2535
45°	2510	2384	2480
50°	2487	2307	2389
55°	2444	2194	2252
60°	2368	2036	2072
65°	2264	1813	1848
70°	2140	1572	1559
75°	1855	1232	1251
80°	1474	886	905
85°	874	515	595



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	0.5
10°-20°	130.2	1.6
20°-30°	209.5	2.5
30°-40°	269.6	3.2
40°-50°	296.1	3.5
50°-60°	278.3	3.3
60°-70°	216.2	2.6
70°-80°	124.0	1.5
80°-90°	39.8	0.5
90°-100°	535.6	6.4
100°-110°	1272.8	15.2
110°-120°	1278.6	15.3
120°-130°	1172.5	14.0
130°-140°	980.5	11.7
140°-150°	735.9	8.8
150°-160°	479.1	5.7
160°-170°	246.7	2.9
170°-180°	69.8	0.8
0°-30°	383.3	4.6
0°-40°	652.9	7.8
0°-60°	1227.2	14.6
0°-90°	1607.2	19.2
90°-120°	3087.0	36.8
90°-150°	5975.9	71.3
90°-180°	6771.0	80.8
0°-180°	8378.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	462	458	458	456	452	44
15°	452	450	460	467	469	128
25°	427	432	456	473	479	197
35°	390	401	434	460	469	244
45°	337	353	388	417	425	260
55°	270	285	316	339	347	241
65°	190	200	219	238	244	188
75°	101	105	116	128	132	108
85°	21	25	33	43	45	24
90°	2	6	12	19	21	6
95°	72	599	615	83	70	72
105°	209	803	1357	1673	1772	221
115°	345	904	1423	1730	1840	339
125°	458	944	1431	1714	1813	409
135°	556	940	1367	1625	1720	428
145°	628	900	1243	1460	1540	392
155°	673	826	1080	1237	1297	311
165°	698	745	876	970	1008	197
175°	704	702	710	719	719	67
180°	692	692	692	692	692	



TEST NUMBER: P395782

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3
2.5°	464.6	462.5	460.5	460.5	458.4	458.4	458.4	456.3	456.3	456.3	458.4
5°	462.5	462.5	460.5	458.4	458.4	458.4	456.3	456.3	456.3	456.3	458.4
7.5°	462.5	460.5	458.4	458.4	456.3	456.3	456.3	456.3	456.3	456.3	458.4
10°	458.4	458.4	456.3	456.3	454.3	456.3	456.3	456.3	456.3	456.3	460.5
12.5°	456.3	456.3	454.3	452.2	452.2	452.2	454.3	454.3	454.3	456.3	460.5
15°	452.2	452.2	450.1	450.1	450.1	450.1	452.2	452.2	454.3	456.3	460.5
17.5°	448.1	448.1	446.0	446.0	446.0	448.1	448.1	450.1	452.2	456.3	460.5
20°	441.9	441.9	441.9	441.9	441.9	444.0	444.0	446.0	450.1	454.3	460.5
22.5°	435.7	435.7	435.7	435.7	435.7	437.8	439.8	444.0	446.0	452.2	458.4
25°	427.4	427.4	427.4	427.4	429.5	431.6	433.6	437.8	441.9	448.1	456.3
27.5°	419.2	421.2	421.2	421.2	423.3	425.4	427.4	431.6	437.8	446.0	452.2
30°	410.9	410.9	410.9	413.0	415.0	417.1	421.2	425.4	431.6	439.8	448.1
32.5°	400.6	400.6	402.7	402.7	406.8	408.9	413.0	419.2	425.4	433.6	441.9
35°	390.3	390.3	390.3	394.4	396.5	400.6	402.7	408.9	417.1	425.4	433.6
37.5°	377.9	379.9	379.9	382.0	386.1	390.3	392.3	400.6	408.9	417.1	425.4
40°	365.5	367.6	367.6	369.6	375.8	377.9	382.0	390.3	396.5	406.8	415.0
42.5°	353.1	353.1	355.2	357.2	363.4	365.5	369.6	377.9	386.1	394.4	402.7
45°	336.6	338.6	340.7	342.8	349.0	353.1	357.2	363.4	371.7	379.9	388.2
47.5°	322.1	322.1	324.2	328.3	334.5	338.6	340.7	349.0	355.2	363.4	371.7
50°	305.6	307.7	307.7	311.8	318.0	322.1	324.2	332.4	338.6	346.9	355.2
52.5°	287.0	289.1	291.2	295.3	301.5	305.6	307.7	313.9	320.1	328.3	334.5
55°	270.5	272.6	272.6	276.7	282.9	285.0	289.1	293.2	301.5	307.7	315.9
57.5°	251.9	254.0	254.0	258.1	262.2	266.4	268.4	274.6	280.8	287.0	293.2
60°	231.3	233.3	235.4	237.5	241.6	245.7	247.8	251.9	258.1	264.3	270.5
62.5°	210.6	212.7	214.7	216.8	220.9	223.0	225.1	231.3	235.4	241.6	245.7
65°	190.0	192.0	194.1	196.2	198.2	200.3	202.4	206.5	210.6	216.8	218.9
67.5°	169.3	171.4	171.4	173.5	175.5	177.6	179.6	183.8	185.8	192.0	194.1
70°	148.7	148.7	148.7	150.7	150.7	152.8	154.9	159.0	161.1	165.2	169.3
72.5°	123.9	126.0	126.0	126.0	128.0	130.1	132.2	134.2	136.3	138.3	142.5
75°	101.2	103.2	101.2	103.2	105.3	105.3	107.4	109.4	111.5	113.6	115.6
77.5°	80.5	78.5	80.5	80.5	82.6	82.6	82.6	84.7	88.8	88.8	92.9
80°	57.8	57.8	57.8	57.8	59.9	59.9	61.9	61.9	66.1	68.1	70.2
82.5°	37.2	37.2	39.2	39.2	39.2	41.3	41.3	43.4	45.4	47.5	49.6
85°	20.6	20.6	20.6	22.7	22.7	24.8	24.8	26.8	28.9	31.0	33.0
87.5°	6.2	8.3	10.3	10.3	12.4	12.4	14.5	14.5	18.6	20.6	22.7
90°	2.1	2.1	4.1	4.1	4.1	6.2	6.2	8.3	8.3	10.3	12.4
92.5°	35.1	82.6	171.4	256.0	220.9	206.5	123.9	37.2	33.0	35.1	35.1
95°	72.3	136.3	249.9	404.7	524.5	598.8	648.4	743.4	840.4	823.9	615.3
97.5°	105.3	175.5	301.5	444.0	609.1	693.8	757.8	871.4	995.3	1098.5	1172.9
100°	138.3	210.6	344.8	493.5	646.3	722.7	797.1	951.9	1073.7	1177.0	1276.1
102.5°	173.5	245.7	384.1	538.9	689.7	764.0	836.3	972.6	1108.9	1232.7	1329.8
105°	208.6	282.9	419.2	578.2	728.9	803.2	873.5	1003.5	1129.5	1245.1	1356.6
107.5°	245.7	315.9	450.1	609.1	759.9	834.2	904.4	1034.5	1156.3	1272.0	1373.2
110°	278.8	346.9	481.1	638.1	788.8	863.1	933.3	1063.4	1183.2	1292.6	1391.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	309.7	375.8	510.0	662.8	811.5	885.8	954.0	1084.1	1203.8	1311.2	1410.3
115°	344.8	402.7	538.9	685.5	832.2	904.4	972.6	1100.6	1220.4	1325.7	1422.7
117.5°	373.7	429.5	563.7	704.1	848.7	918.9	985.0	1113.0	1230.7	1336.0	1431.0
120°	402.7	454.3	586.4	720.7	861.1	929.2	995.3	1121.2	1238.9	1342.2	1435.1
122.5°	431.6	479.1	605.0	737.2	871.4	939.5	1003.5	1127.4	1243.1	1344.3	1435.1
125°	458.4	499.7	621.5	749.6	877.6	943.7	1005.6	1127.4	1241.0	1340.1	1431.0
127.5°	483.2	522.4	633.9	761.9	881.7	945.7	1005.6	1123.3	1236.9	1333.9	1422.7
130°	508.0	543.1	646.3	768.1	885.8	943.7	1001.5	1115.0	1226.6	1323.6	1408.3
132.5°	532.7	565.8	656.6	774.3	887.9	943.7	997.3	1106.8	1214.2	1309.1	1389.7
135°	555.5	582.3	667.0	778.5	885.8	939.5	989.1	1092.3	1195.6	1288.5	1367.0
137.5°	576.1	598.8	675.2	780.5	883.8	933.3	982.9	1075.8	1172.9	1263.7	1340.1
140°	594.7	615.3	679.4	780.5	875.5	925.1	970.5	1059.3	1148.1	1234.8	1309.1
142.5°	611.2	629.8	685.5	776.4	867.3	914.8	958.1	1042.8	1123.3	1205.9	1278.2
145°	627.7	642.2	689.7	774.3	856.9	900.3	941.6	1022.1	1100.6	1174.9	1243.1
147.5°	640.1	654.6	693.8	766.1	844.5	883.8	923.0	999.4	1071.7	1141.9	1203.8
150°	652.5	664.9	695.9	757.8	830.1	865.2	900.3	972.6	1042.8	1106.8	1164.6
152.5°	664.9	673.2	702.1	749.6	813.6	846.6	881.7	945.7	1009.7	1069.6	1125.4
155°	673.2	679.4	704.1	741.3	797.1	826.0	854.9	914.8	972.6	1028.3	1079.9
157.5°	681.4	687.6	706.2	735.1	778.5	805.3	830.1	881.7	935.4	985.0	1032.5
160°	687.6	691.7	706.2	731.0	761.9	780.5	803.2	850.7	896.2	939.5	980.8
162.5°	693.8	695.9	706.2	724.8	747.5	759.9	776.4	813.6	854.9	892.0	929.2
165°	697.9	700.0	706.2	720.7	735.1	745.4	753.7	780.5	811.5	844.5	875.5
167.5°	702.1	702.1	706.2	716.5	724.8	731.0	737.2	751.6	772.3	797.1	819.8
170°	704.1	704.1	706.2	712.4	718.6	720.7	724.8	733.0	743.4	755.8	770.2
172.5°	704.1	704.1	704.1	708.3	710.3	710.3	710.3	714.5	720.7	728.9	735.1
175°	704.1	702.1	702.1	704.1	702.1	702.1	702.1	702.1	704.1	708.3	710.3
177.5°	704.1	702.1	700.0	700.0	697.9	697.9	695.9	695.9	695.9	695.9	695.9
180°	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3	456.3
2.5°	458.4	458.4	456.3	454.3	454.3	454.3	452.2	450.1	448.1	448.1
5°	458.4	458.4	456.3	456.3	456.3	456.3	454.3	454.3	452.2	452.2
7.5°	460.5	458.4	458.4	458.4	458.4	458.4	458.4	458.4	456.3	456.3
10°	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5
12.5°	462.5	462.5	462.5	462.5	464.6	464.6	464.6	464.6	464.6	464.6
15°	462.5	464.6	466.7	466.7	466.7	468.7	468.7	468.7	468.7	468.7
17.5°	464.6	466.7	468.7	468.7	470.8	470.8	472.9	472.9	472.9	472.9
20°	464.6	466.7	468.7	470.8	472.9	472.9	474.9	477.0	477.0	474.9
22.5°	462.5	466.7	468.7	470.8	472.9	474.9	477.0	479.1	479.1	479.1
25°	460.5	464.6	468.7	472.9	472.9	474.9	479.1	479.1	479.1	479.1
27.5°	458.4	462.5	466.7	470.8	472.9	474.9	477.0	479.1	479.1	479.1
30°	454.3	460.5	464.6	468.7	470.8	472.9	474.9	477.0	477.0	477.0
32.5°	448.1	454.3	458.4	464.6	466.7	468.7	470.8	472.9	472.9	472.9
35°	441.9	448.1	452.2	458.4	460.5	462.5	466.7	466.7	468.7	468.7
37.5°	431.6	439.8	444.0	450.1	452.2	454.3	458.4	460.5	460.5	460.5
40°	421.2	429.5	433.6	439.8	441.9	444.0	448.1	450.1	452.2	452.2
42.5°	408.9	417.1	421.2	427.4	429.5	431.6	435.7	437.8	439.8	439.8
45°	396.5	402.7	406.8	413.0	417.1	417.1	421.2	423.3	425.4	425.4
47.5°	379.9	386.1	390.3	396.5	400.6	402.7	404.7	406.8	408.9	408.9
50°	361.4	367.6	373.7	377.9	382.0	382.0	386.1	388.2	390.3	390.3
52.5°	342.8	346.9	353.1	359.3	361.4	363.4	365.5	367.6	369.6	369.6
55°	322.1	326.3	332.4	336.6	338.6	340.7	342.8	344.8	346.9	346.9
57.5°	299.4	303.5	309.7	313.9	315.9	318.0	320.1	322.1	324.2	324.2
60°	274.6	278.8	285.0	289.1	291.2	291.2	295.3	297.3	297.3	297.3
62.5°	249.9	254.0	258.1	262.2	264.3	266.4	268.4	270.5	270.5	270.5
65°	225.1	229.2	233.3	235.4	237.5	237.5	239.5	241.6	243.7	243.7
67.5°	198.2	202.4	206.5	208.6	210.6	210.6	212.7	214.7	214.7	214.7
70°	171.4	173.5	177.6	179.6	181.7	181.7	185.8	185.8	185.8	185.8
72.5°	144.5	146.6	150.7	152.8	154.9	154.9	156.9	159.0	159.0	159.0
75°	119.8	121.8	123.9	128.0	128.0	128.0	130.1	132.2	132.2	132.2
77.5°	95.0	97.1	99.1	101.2	103.2	103.2	105.3	107.4	107.4	107.4
80°	72.3	74.3	76.4	78.5	78.5	80.5	80.5	82.6	82.6	82.6
82.5°	51.6	53.7	55.8	57.8	59.9	59.9	61.9	64.0	64.0	61.9
85°	35.1	39.2	41.3	43.4	43.4	43.4	45.4	47.5	47.5	45.4
87.5°	24.8	24.8	26.8	28.9	28.9	31.0	31.0	33.0	33.0	33.0
90°	14.5	14.5	16.5	16.5	18.6	18.6	18.6	20.6	20.6	20.6
92.5°	35.1	35.1	37.2	37.2	37.2	37.2	39.2	39.2	39.2	39.2
95°	375.8	169.3	142.5	86.7	82.6	72.3	70.2	72.3	72.3	70.2
97.5°	1261.7	1350.4	1406.2	1433.0	1400.0	1364.9	1325.7	1319.5	1265.8	1146.0
100°	1360.8	1431.0	1499.1	1546.6	1565.2	1581.7	1618.9	1641.6	1651.9	1662.2
102.5°	1410.3	1484.7	1544.5	1604.4	1629.2	1651.9	1685.0	1711.8	1722.1	1730.4
105°	1453.7	1530.1	1596.2	1649.9	1672.6	1693.2	1726.3	1751.0	1769.6	1771.7
107.5°	1464.0	1544.5	1618.9	1685.0	1711.8	1734.5	1773.8	1792.3	1808.9	1808.9
110°	1482.6	1559.0	1627.1	1687.0	1713.9	1740.7	1782.0	1810.9	1827.4	1831.6



TEST NUMBER: P395782

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1497.1	1575.5	1639.5	1699.4	1722.1	1746.9	1786.1	1813.0	1827.4	1833.6
115°	1509.4	1585.8	1649.9	1705.6	1730.4	1755.2	1794.4	1817.1	1833.6	1839.8
117.5°	1517.7	1592.0	1656.1	1707.7	1734.5	1755.2	1792.3	1817.1	1833.6	1835.7
120°	1519.8	1594.1	1656.1	1707.7	1730.4	1753.1	1790.3	1815.0	1831.6	1831.6
122.5°	1519.8	1592.0	1654.0	1703.5	1724.2	1744.8	1779.9	1808.9	1823.3	1823.3
125°	1511.5	1583.8	1643.7	1693.2	1713.9	1732.5	1769.6	1796.5	1810.9	1813.0
127.5°	1499.1	1569.3	1629.2	1678.8	1699.4	1715.9	1755.2	1779.9	1794.4	1796.5
130°	1482.6	1552.8	1610.6	1658.1	1678.8	1697.3	1730.4	1757.2	1773.8	1777.9
132.5°	1464.0	1530.1	1587.9	1633.3	1654.0	1670.5	1703.5	1730.4	1744.8	1751.0
135°	1441.3	1503.2	1559.0	1604.4	1625.1	1641.6	1672.6	1699.4	1713.9	1720.1
137.5°	1412.4	1472.3	1526.0	1571.4	1590.0	1606.5	1637.5	1662.2	1674.6	1682.9
140°	1379.4	1435.1	1490.9	1532.2	1550.7	1567.3	1594.1	1620.9	1633.3	1639.5
142.5°	1344.3	1400.0	1449.6	1490.9	1507.4	1523.9	1550.7	1575.5	1587.9	1590.0
145°	1307.1	1360.8	1406.2	1445.4	1459.9	1476.4	1501.2	1526.0	1538.4	1540.4
147.5°	1265.8	1315.3	1358.7	1395.9	1412.4	1424.8	1447.5	1470.2	1482.6	1484.7
150°	1218.3	1263.7	1303.0	1340.1	1354.6	1367.0	1391.7	1412.4	1424.8	1426.8
152.5°	1172.9	1216.2	1249.3	1282.3	1296.8	1309.1	1329.8	1350.4	1362.8	1364.9
155°	1125.4	1164.6	1197.6	1224.5	1236.9	1249.3	1265.8	1284.4	1294.7	1296.8
157.5°	1075.8	1113.0	1141.9	1166.7	1179.1	1189.4	1203.8	1220.4	1226.6	1230.7
160°	1022.1	1053.1	1077.9	1102.7	1113.0	1123.3	1137.8	1150.2	1158.4	1160.5
162.5°	964.3	991.2	1011.8	1034.5	1040.7	1049.0	1063.4	1075.8	1082.0	1084.1
165°	904.4	929.2	947.8	966.4	970.5	976.7	987.0	999.4	1003.5	1007.7
167.5°	844.5	865.2	877.6	894.1	900.3	904.4	914.8	923.0	927.1	929.2
170°	786.7	801.2	811.5	823.9	826.0	832.2	838.4	846.6	848.7	848.7
172.5°	741.3	747.5	753.7	757.8	759.9	761.9	766.1	768.1	768.1	768.1
175°	712.4	716.5	716.5	718.6	718.6	718.6	718.6	718.6	718.6	718.6
177.5°	695.9	695.9	695.9	693.8	693.8	693.8	693.8	691.7	691.7	691.7
180°	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7	691.7

(END OF REPORT)