

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: P395781

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395781
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 (5000K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8274.2 lumens
Efficiency: N/A
Efficacy: 129.9 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

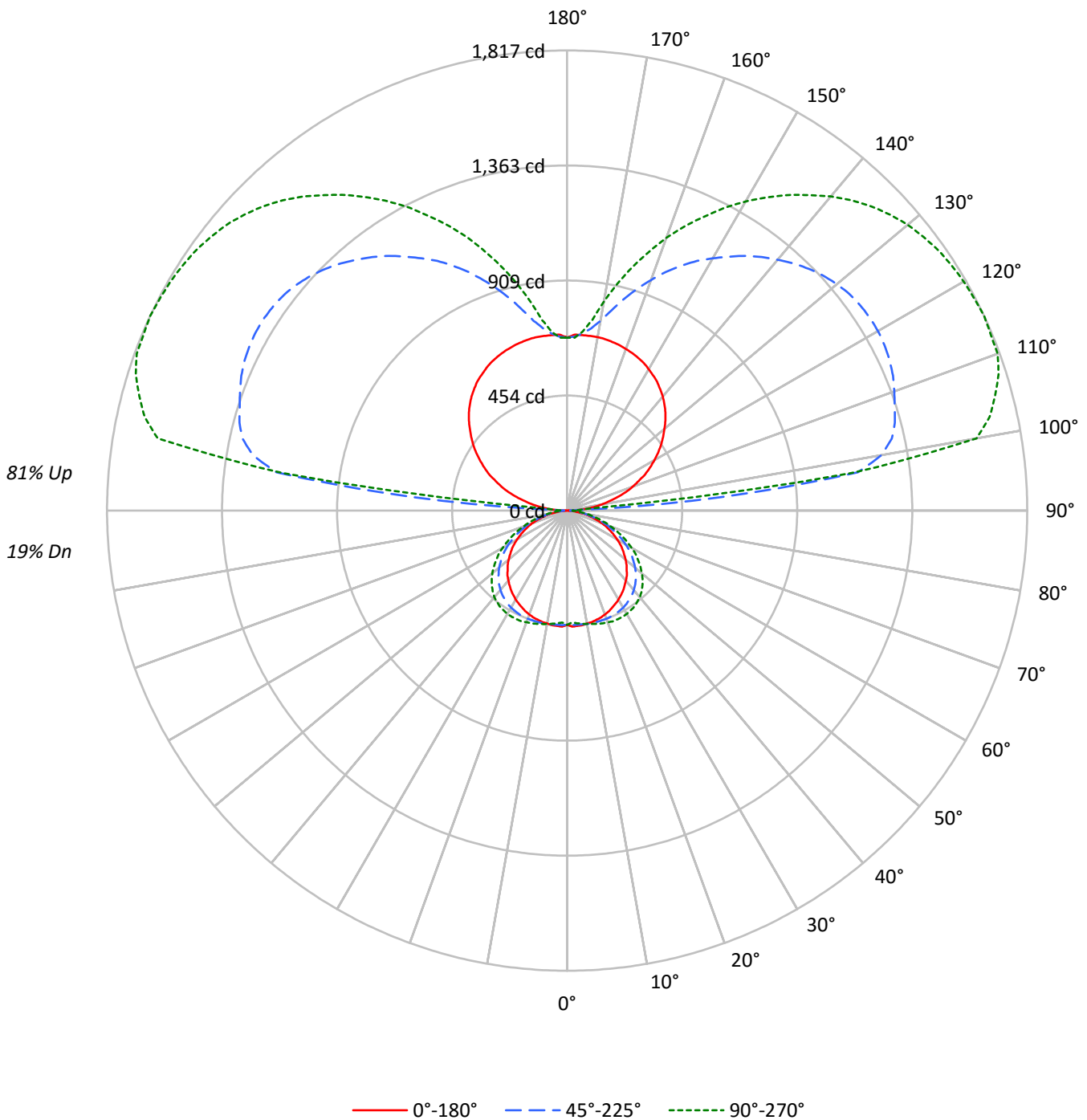
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2477	2477	2477
5°	2511	2441	2394
10°	2508	2424	2397
15°	2513	2415	2418
20°	2514	2425	2446
25°	2510	2432	2483
30°	2514	2435	2507
35°	2511	2422	2518
40°	2500	2405	2504
45°	2478	2354	2449
50°	2456	2277	2359
55°	2413	2167	2224
60°	2338	2011	2046
65°	2236	1791	1825
70°	2112	1553	1539
75°	1831	1218	1235
80°	1456	875	894
85°	866	509	589



TEST NUMBER: P395781

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	0.5
10°-20°	128.6	1.6
20°-30°	206.9	2.5
30°-40°	266.2	3.2
40°-50°	292.4	3.5
50°-60°	274.8	3.3
60°-70°	213.5	2.6
70°-80°	122.5	1.5
80°-90°	39.3	0.5
90°-100°	528.9	6.4
100°-110°	1256.9	15.2
110°-120°	1262.6	15.3
120°-130°	1157.9	14.0
130°-140°	968.2	11.7
140°-150°	726.7	8.8
150°-160°	473.1	5.7
160°-170°	243.6	2.9
170°-180°	68.9	0.8
0°-30°	378.6	4.6
0°-40°	644.8	7.8
0°-60°	1211.9	14.6
0°-90°	1587.2	19.2
90°-120°	3048.5	36.8
90°-150°	5901.4	71.3
90°-180°	6687.0	80.8
0°-180°	8274.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	451	451	451	451	451	
5°	457	453	453	451	447	44
15°	447	444	455	461	463	126
25°	422	426	451	467	473	195
35°	385	396	428	455	463	241
45°	332	349	383	412	420	257
55°	267	281	312	334	343	238
65°	188	198	216	234	241	186
75°	100	104	114	126	130	106
85°	20	24	33	43	45	24
90°	2	6	12	18	20	6
95°	71	591	608	82	69	71
105°	206	793	1340	1652	1750	218
115°	340	893	1405	1709	1817	335
125°	453	932	1413	1692	1790	404
135°	548	928	1350	1605	1699	423
145°	620	889	1228	1442	1521	387
155°	665	816	1066	1222	1281	307
165°	689	736	865	958	995	195
175°	695	693	702	710	710	66
180°	683	683	683	683	683	



TEST NUMBER: P395781

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	458.8	456.8	454.7	454.7	452.7	452.7	452.7	450.7	450.7	450.7	452.7
5°	456.8	456.8	454.7	452.7	452.7	452.7	450.7	450.7	450.7	450.7	452.7
7.5°	456.8	454.7	452.7	452.7	450.7	450.7	450.7	450.7	450.7	450.7	452.7
10°	452.7	452.7	450.7	450.7	448.6	450.7	450.7	450.7	450.7	450.7	454.7
12.5°	450.7	450.7	448.6	446.6	446.6	446.6	448.6	448.6	448.6	450.7	454.7
15°	446.6	446.6	444.5	444.5	444.5	444.5	446.6	446.6	448.6	450.7	454.7
17.5°	442.5	442.5	440.5	440.5	440.5	442.5	442.5	444.5	446.6	450.7	454.7
20°	436.4	436.4	436.4	436.4	436.4	438.4	438.4	440.5	444.5	448.6	454.7
22.5°	430.3	430.3	430.3	430.3	430.3	432.3	434.3	438.4	440.5	446.6	452.7
25°	422.1	422.1	422.1	422.1	424.1	426.2	428.2	432.3	436.4	442.5	450.7
27.5°	414.0	416.0	416.0	416.0	418.0	420.1	422.1	426.2	432.3	440.5	446.6
30°	405.8	405.8	405.8	407.8	409.9	411.9	416.0	420.1	426.2	434.3	442.5
32.5°	395.6	395.6	397.6	397.6	401.7	403.8	407.8	414.0	420.1	428.2	436.4
35°	385.4	385.4	385.4	389.5	391.5	395.6	397.6	403.8	411.9	420.1	428.2
37.5°	373.2	375.2	375.2	377.2	381.3	385.4	387.4	395.6	403.8	411.9	420.1
40°	360.9	363.0	363.0	365.0	371.1	373.2	377.2	385.4	391.5	401.7	409.9
42.5°	348.7	348.7	350.7	352.8	358.9	360.9	365.0	373.2	381.3	389.5	397.6
45°	332.4	334.4	336.5	338.5	344.6	348.7	352.8	358.9	367.0	375.2	383.4
47.5°	318.1	318.1	320.1	324.2	330.3	334.4	336.5	344.6	350.7	358.9	367.0
50°	301.8	303.8	303.8	307.9	314.0	318.1	320.1	328.3	334.4	342.6	350.7
52.5°	283.4	285.5	287.5	291.6	297.7	301.8	303.8	310.0	316.1	324.2	330.3
55°	267.1	269.2	269.2	273.2	279.4	281.4	285.5	289.6	297.7	303.8	312.0
57.5°	248.8	250.8	250.8	254.9	259.0	263.1	265.1	271.2	277.3	283.4	289.6
60°	228.4	230.4	232.5	234.5	238.6	242.7	244.7	248.8	254.9	261.0	267.1
62.5°	208.0	210.0	212.1	214.1	218.2	220.2	222.3	228.4	232.5	238.6	242.7
65°	187.6	189.6	191.7	193.7	195.8	197.8	199.8	203.9	208.0	214.1	216.2
67.5°	167.2	169.3	169.3	171.3	173.3	175.4	177.4	181.5	183.5	189.6	191.7
70°	146.8	146.8	146.8	148.9	148.9	150.9	152.9	157.0	159.1	163.1	167.2
72.5°	122.3	124.4	124.4	124.4	126.4	128.5	130.5	132.5	134.6	136.6	140.7
75°	99.9	102.0	99.9	102.0	104.0	104.0	106.0	108.1	110.1	112.2	114.2
77.5°	79.5	77.5	79.5	79.5	81.6	81.6	81.6	83.6	87.7	87.7	91.8
80°	57.1	57.1	57.1	57.1	59.1	59.1	61.2	61.2	65.3	67.3	69.3
82.5°	36.7	36.7	38.7	38.7	38.7	40.8	40.8	42.8	44.9	46.9	48.9
85°	20.4	20.4	20.4	22.4	22.4	24.5	24.5	26.5	28.5	30.6	32.6
87.5°	6.1	8.2	10.2	10.2	12.2	12.2	14.3	14.3	18.4	20.4	22.4
90°	2.0	2.0	4.1	4.1	4.1	6.1	6.1	8.2	8.2	10.2	12.2
92.5°	34.7	81.6	169.3	252.9	218.2	203.9	122.3	36.7	32.6	34.7	34.7
95°	71.4	134.6	246.7	399.7	517.9	591.4	640.3	734.1	829.9	813.6	607.7
97.5°	104.0	173.3	297.7	438.4	601.6	685.2	748.4	860.5	982.9	1084.8	1158.2
100°	136.6	208.0	340.5	487.4	638.3	713.7	787.1	940.1	1060.4	1162.3	1260.2
102.5°	171.3	242.7	379.3	532.2	681.1	754.5	825.9	960.4	1095.0	1217.4	1313.2
105°	206.0	279.4	414.0	571.0	719.8	793.2	862.6	991.0	1115.4	1229.6	1339.7
107.5°	242.7	312.0	444.5	601.6	750.4	823.8	893.2	1021.6	1141.9	1256.1	1356.0
110°	275.3	342.6	475.1	630.1	779.0	852.4	921.7	1050.2	1168.4	1276.5	1374.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	305.9	371.1	503.7	654.6	801.4	874.8	942.1	1070.6	1188.8	1294.9	1392.7
115°	340.5	397.6	532.2	677.0	821.8	893.2	960.4	1086.9	1205.1	1309.1	1405.0
117.5°	369.1	424.1	556.7	695.4	838.1	907.4	972.7	1099.1	1215.3	1319.3	1413.1
120°	397.6	448.6	579.1	711.7	850.3	917.6	982.9	1107.3	1223.5	1325.5	1417.2
122.5°	426.2	473.1	597.5	728.0	860.5	927.8	991.0	1113.4	1227.6	1327.5	1417.2
125°	452.7	493.5	613.8	740.2	866.6	931.9	993.1	1113.4	1225.5	1323.4	1413.1
127.5°	477.2	515.9	626.0	752.5	870.7	933.9	993.1	1109.3	1221.5	1317.3	1405.0
130°	501.6	536.3	638.3	758.6	874.8	931.9	989.0	1101.1	1211.3	1307.1	1390.7
132.5°	526.1	558.7	648.5	764.7	876.8	931.9	984.9	1093.0	1199.0	1292.8	1372.4
135°	548.5	575.0	658.7	768.8	874.8	927.8	976.8	1078.7	1180.7	1272.4	1349.9
137.5°	568.9	591.4	666.8	770.8	872.8	921.7	970.6	1062.4	1158.2	1248.0	1323.4
140°	587.3	607.7	670.9	770.8	864.6	913.5	958.4	1046.1	1133.8	1219.4	1292.8
142.5°	603.6	621.9	677.0	766.7	856.4	903.4	946.2	1029.8	1109.3	1190.9	1262.2
145°	619.9	634.2	681.1	764.7	846.3	889.1	929.9	1009.4	1086.9	1160.3	1227.6
147.5°	632.1	646.4	685.2	756.5	834.0	872.8	911.5	987.0	1058.3	1127.7	1188.8
150°	644.4	656.6	687.2	748.4	819.7	854.4	889.1	960.4	1029.8	1093.0	1150.1
152.5°	656.6	664.8	693.3	740.2	803.4	836.1	870.7	933.9	997.2	1056.3	1111.3
155°	664.8	670.9	695.4	732.1	787.1	815.7	844.2	903.4	960.4	1015.5	1066.5
157.5°	672.9	679.0	697.4	725.9	768.8	795.3	819.7	870.7	923.7	972.7	1019.6
160°	679.0	683.1	697.4	721.9	752.5	770.8	793.2	840.1	885.0	927.8	968.6
162.5°	685.2	687.2	697.4	715.7	738.2	750.4	766.7	803.4	844.2	880.9	917.6
165°	689.2	691.3	697.4	711.7	725.9	736.1	744.3	770.8	801.4	834.0	864.6
167.5°	693.3	693.3	697.4	707.6	715.7	721.9	728.0	742.3	762.6	787.1	809.5
170°	695.4	695.4	697.4	703.5	709.6	711.7	715.7	723.9	734.1	746.3	760.6
172.5°	695.4	695.4	695.4	699.4	701.5	701.5	701.5	705.6	711.7	719.8	725.9
175°	695.4	693.3	693.3	695.4	693.3	693.3	693.3	693.3	695.4	699.4	701.5
177.5°	695.4	693.3	691.3	691.3	689.2	689.2	687.2	687.2	687.2	687.2	687.2
180°	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	452.7	452.7	450.7	448.6	448.6	448.6	446.6	444.5	442.5	442.5
5°	452.7	452.7	450.7	450.7	450.7	450.7	448.6	448.6	446.6	446.6
7.5°	454.7	452.7	452.7	452.7	452.7	452.7	452.7	452.7	450.7	450.7
10°	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.7
12.5°	456.8	456.8	456.8	456.8	458.8	458.8	458.8	458.8	458.8	458.8
15°	456.8	458.8	460.9	460.9	460.9	462.9	462.9	462.9	462.9	462.9
17.5°	458.8	460.9	462.9	462.9	464.9	464.9	467.0	467.0	467.0	467.0
20°	458.8	460.9	462.9	464.9	467.0	467.0	469.0	471.0	471.0	469.0
22.5°	456.8	460.9	462.9	464.9	467.0	469.0	471.0	473.1	473.1	473.1
25°	454.7	458.8	462.9	467.0	467.0	469.0	473.1	473.1	473.1	473.1
27.5°	452.7	456.8	460.9	464.9	467.0	469.0	471.0	473.1	473.1	473.1
30°	448.6	454.7	458.8	462.9	464.9	467.0	469.0	471.0	471.0	471.0
32.5°	442.5	448.6	452.7	458.8	460.9	462.9	464.9	467.0	467.0	467.0
35°	436.4	442.5	446.6	452.7	454.7	456.8	460.9	460.9	462.9	462.9
37.5°	426.2	434.3	438.4	444.5	446.6	448.6	452.7	454.7	454.7	454.7
40°	416.0	424.1	428.2	434.3	436.4	438.4	442.5	444.5	446.6	446.6
42.5°	403.8	411.9	416.0	422.1	424.1	426.2	430.3	432.3	434.3	434.3
45°	391.5	397.6	401.7	407.8	411.9	411.9	416.0	418.0	420.1	420.1
47.5°	375.2	381.3	385.4	391.5	395.6	397.6	399.7	401.7	403.8	403.8
50°	356.9	363.0	369.1	373.2	377.2	377.2	381.3	383.4	385.4	385.4
52.5°	338.5	342.6	348.7	354.8	356.9	358.9	360.9	363.0	365.0	365.0
55°	318.1	322.2	328.3	332.4	334.4	336.5	338.5	340.5	342.6	342.6
57.5°	295.7	299.8	305.9	310.0	312.0	314.0	316.1	318.1	320.1	320.1
60°	271.2	275.3	281.4	285.5	287.5	287.5	291.6	293.6	293.6	293.6
62.5°	246.7	250.8	254.9	259.0	261.0	263.1	265.1	267.1	267.1	267.1
65°	222.3	226.3	230.4	232.5	234.5	234.5	236.5	238.6	240.6	240.6
67.5°	195.8	199.8	203.9	206.0	208.0	208.0	210.0	212.1	212.1	212.1
70°	169.3	171.3	175.4	177.4	179.4	179.4	183.5	183.5	183.5	183.5
72.5°	142.7	144.8	148.9	150.9	152.9	152.9	155.0	157.0	157.0	157.0
75°	118.3	120.3	122.3	126.4	126.4	126.4	128.5	130.5	130.5	130.5
77.5°	93.8	95.8	97.9	99.9	102.0	102.0	104.0	106.0	106.0	106.0
80°	71.4	73.4	75.4	77.5	77.5	79.5	79.5	81.6	81.6	81.6
82.5°	51.0	53.0	55.1	57.1	59.1	59.1	61.2	63.2	63.2	61.2
85°	34.7	38.7	40.8	42.8	42.8	42.8	44.9	46.9	46.9	44.9
87.5°	24.5	24.5	26.5	28.5	28.5	30.6	30.6	32.6	32.6	32.6
90°	14.3	14.3	16.3	16.3	18.4	18.4	18.4	20.4	20.4	20.4
92.5°	34.7	34.7	36.7	36.7	36.7	36.7	38.7	38.7	38.7	38.7
95°	371.1	167.2	140.7	85.6	81.6	71.4	69.3	71.4	71.4	69.3
97.5°	1245.9	1333.6	1388.7	1415.2	1382.6	1347.9	1309.1	1303.0	1250.0	1131.7
100°	1343.8	1413.1	1480.4	1527.3	1545.7	1562.0	1598.7	1621.1	1631.3	1641.5
102.5°	1392.7	1466.2	1525.3	1584.4	1608.9	1631.3	1664.0	1690.5	1700.7	1708.8
105°	1435.6	1511.0	1576.3	1629.3	1651.7	1672.1	1704.7	1729.2	1747.6	1749.6
107.5°	1445.8	1525.3	1598.7	1664.0	1690.5	1712.9	1751.6	1770.0	1786.3	1786.3
110°	1464.1	1539.6	1606.9	1666.0	1692.5	1719.0	1759.8	1788.3	1804.7	1808.7



TEST NUMBER: P395781

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1478.4	1555.9	1619.1	1678.2	1700.7	1725.1	1763.9	1790.4	1804.7	1810.8
115°	1490.6	1566.1	1629.3	1684.4	1708.8	1733.3	1772.0	1794.5	1810.8	1816.9
117.5°	1498.8	1572.2	1635.4	1686.4	1712.9	1733.3	1770.0	1794.5	1810.8	1812.8
120°	1500.8	1574.2	1635.4	1686.4	1708.8	1731.3	1768.0	1792.4	1808.7	1808.7
122.5°	1500.8	1572.2	1633.4	1682.3	1702.7	1723.1	1757.8	1786.3	1800.6	1800.6
125°	1492.7	1564.0	1623.2	1672.1	1692.5	1710.9	1747.6	1774.1	1788.3	1790.4
127.5°	1480.4	1549.8	1608.9	1657.8	1678.2	1694.5	1733.3	1757.8	1772.0	1774.1
130°	1464.1	1533.5	1590.5	1637.4	1657.8	1676.2	1708.8	1735.3	1751.6	1755.7
132.5°	1445.8	1511.0	1568.1	1613.0	1633.4	1649.7	1682.3	1708.8	1723.1	1729.2
135°	1423.3	1484.5	1539.6	1584.4	1604.8	1621.1	1651.7	1678.2	1692.5	1698.6
137.5°	1394.8	1453.9	1506.9	1551.8	1570.2	1586.5	1617.1	1641.5	1653.8	1661.9
140°	1362.2	1417.2	1472.3	1513.1	1531.4	1547.7	1574.2	1600.7	1613.0	1619.1
142.5°	1327.5	1382.6	1431.5	1472.3	1488.6	1504.9	1531.4	1555.9	1568.1	1570.2
145°	1290.8	1343.8	1388.7	1427.4	1441.7	1458.0	1482.5	1506.9	1519.2	1521.2
147.5°	1250.0	1298.9	1341.8	1378.5	1394.8	1407.0	1429.5	1451.9	1464.1	1466.2
150°	1203.1	1248.0	1286.7	1323.4	1337.7	1349.9	1374.4	1394.8	1407.0	1409.1
152.5°	1158.2	1201.1	1233.7	1266.3	1280.6	1292.8	1313.2	1333.6	1345.8	1347.9
155°	1111.3	1150.1	1182.7	1209.2	1221.5	1233.7	1250.0	1268.4	1278.6	1280.6
157.5°	1062.4	1099.1	1127.7	1152.1	1164.4	1174.6	1188.8	1205.1	1211.3	1215.3
160°	1009.4	1040.0	1064.4	1088.9	1099.1	1109.3	1123.6	1135.8	1144.0	1146.0
162.5°	952.3	978.8	999.2	1021.6	1027.7	1035.9	1050.2	1062.4	1068.5	1070.6
165°	893.2	917.6	936.0	954.3	958.4	964.5	974.7	987.0	991.0	995.1
167.5°	834.0	854.4	866.6	883.0	889.1	893.2	903.4	911.5	915.6	917.6
170°	776.9	791.2	801.4	813.6	815.7	821.8	827.9	836.1	838.1	838.1
172.5°	732.1	738.2	744.3	748.4	750.4	752.5	756.5	758.6	758.6	758.6
175°	703.5	707.6	707.6	709.6	709.6	709.6	709.6	709.6	709.6	709.6
177.5°	687.2	687.2	687.2	685.2	685.2	685.2	685.2	683.1	683.1	683.1
180°	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1	683.1

(END OF REPORT)