

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: P395794

Luminaire Tested: **I3-UL-80L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395794
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 (5000K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7422.6 lumens
Efficiency: N/A
Efficacy: 116.5 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

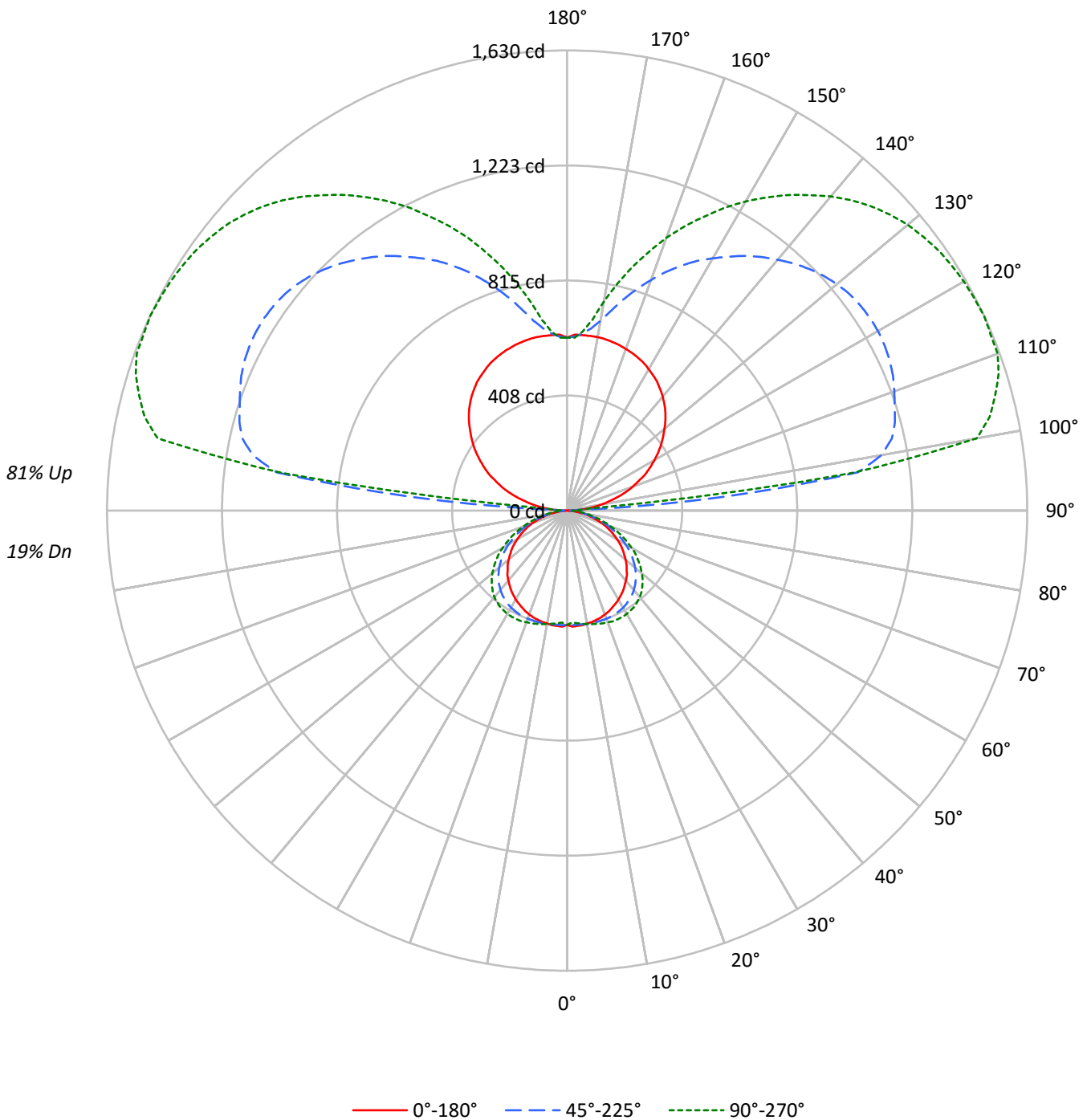
Input Watts (W): 63.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2222	2222	2222
5°	2253	2190	2148
10°	2250	2175	2150
15°	2254	2167	2169
20°	2255	2175	2195
25°	2252	2182	2228
30°	2255	2184	2249
35°	2253	2173	2259
40°	2243	2157	2246
45°	2223	2112	2197
50°	2203	2043	2116
55°	2164	1944	1995
60°	2098	1804	1836
65°	2006	1606	1637
70°	1895	1393	1381
75°	1642	1092	1108
80°	1306	785	802
85°	776	458	527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	0.5
10°-20°	115.3	1.6
20°-30°	185.6	2.5
30°-40°	238.8	3.2
40°-50°	262.3	3.5
50°-60°	246.5	3.3
60°-70°	191.5	2.6
70°-80°	109.9	1.5
80°-90°	35.2	0.5
90°-100°	474.5	6.4
100°-110°	1127.6	15.2
110°-120°	1132.7	15.3
120°-130°	1038.8	14.0
130°-140°	868.6	11.7
140°-150°	651.9	8.8
150°-160°	424.4	5.7
160°-170°	218.5	2.9
170°-180°	61.8	0.8
0°-30°	339.6	4.6
0°-40°	578.4	7.8
0°-60°	1087.2	14.6
0°-90°	1423.8	19.2
90°-120°	2734.8	36.8
90°-150°	5294.0	71.3
90°-180°	5999.0	80.8
0°-180°	7422.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	410	406	406	404	401	39
15°	401	399	408	413	415	113
25°	379	382	404	419	424	175
35°	346	355	384	408	415	216
45°	298	313	344	370	377	231
55°	240	252	280	300	307	214
65°	168	177	194	210	216	167
75°	90	93	102	113	117	95
85°	18	22	29	38	40	22
90°	2	6	11	16	18	6
95°	64	530	545	73	62	64
105°	185	712	1202	1482	1570	195
115°	306	801	1260	1533	1630	300
125°	406	836	1268	1518	1606	363
135°	492	832	1211	1440	1524	379
145°	556	798	1101	1293	1365	348
155°	596	732	957	1096	1149	275
165°	618	660	776	860	893	175
175°	624	622	629	637	637	60
180°	613	613	613	613	613	



TEST NUMBER: P395794

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	411.6	409.8	407.9	407.9	406.1	406.1	406.1	404.3	404.3	404.3	406.1
5°	409.8	409.8	407.9	406.1	406.1	406.1	404.3	404.3	404.3	404.3	406.1
7.5°	409.8	407.9	406.1	406.1	404.3	404.3	404.3	404.3	404.3	404.3	406.1
10°	406.1	406.1	404.3	404.3	402.4	404.3	404.3	404.3	404.3	404.3	407.9
12.5°	404.3	404.3	402.4	400.6	400.6	400.6	402.4	402.4	402.4	404.3	407.9
15°	400.6	400.6	398.8	398.8	398.8	398.8	400.6	400.6	402.4	404.3	407.9
17.5°	397.0	397.0	395.1	395.1	395.1	397.0	397.0	398.8	400.6	404.3	407.9
20°	391.5	391.5	391.5	391.5	391.5	393.3	393.3	395.1	398.8	402.4	407.9
22.5°	386.0	386.0	386.0	386.0	386.0	387.8	389.6	393.3	395.1	400.6	406.1
25°	378.7	378.7	378.7	378.7	380.5	382.3	384.2	387.8	391.5	397.0	404.3
27.5°	371.3	373.2	373.2	373.2	375.0	376.8	378.7	382.3	387.8	395.1	400.6
30°	364.0	364.0	364.0	365.9	367.7	369.5	373.2	376.8	382.3	389.6	397.0
32.5°	354.9	354.9	356.7	356.7	360.4	362.2	365.9	371.3	376.8	384.2	391.5
35°	345.7	345.7	345.7	349.4	351.2	354.9	356.7	362.2	369.5	376.8	384.2
37.5°	334.8	336.6	336.6	338.4	342.1	345.7	347.6	354.9	362.2	369.5	376.8
40°	323.8	325.6	325.6	327.4	332.9	334.8	338.4	345.7	351.2	360.4	367.7
42.5°	312.8	312.8	314.6	316.5	322.0	323.8	327.4	334.8	342.1	349.4	356.7
45°	298.2	300.0	301.8	303.7	309.2	312.8	316.5	322.0	329.3	336.6	343.9
47.5°	285.4	285.4	287.2	290.9	296.3	300.0	301.8	309.2	314.6	322.0	329.3
50°	270.7	272.6	272.6	276.2	281.7	285.4	287.2	294.5	300.0	307.3	314.6
52.5°	254.3	256.1	257.9	261.6	267.1	270.7	272.6	278.1	283.5	290.9	296.3
55°	239.6	241.5	241.5	245.1	250.6	252.4	256.1	259.8	267.1	272.6	279.9
57.5°	223.2	225.0	225.0	228.7	232.3	236.0	237.8	243.3	248.8	254.3	259.8
60°	204.9	206.7	208.5	210.4	214.0	217.7	219.5	223.2	228.7	234.2	239.6
62.5°	186.6	188.4	190.2	192.1	195.7	197.6	199.4	204.9	208.5	214.0	217.7
65°	168.3	170.1	172.0	173.8	175.6	177.4	179.3	182.9	186.6	192.1	193.9
67.5°	150.0	151.8	151.8	153.7	155.5	157.3	159.1	162.8	164.6	170.1	172.0
70°	131.7	131.7	131.7	133.5	133.5	135.4	137.2	140.9	142.7	146.3	150.0
72.5°	109.8	111.6	111.6	111.6	113.4	115.2	117.1	118.9	120.7	122.6	126.2
75°	89.6	91.5	89.6	91.5	93.3	93.3	95.1	97.0	98.8	100.6	102.4
77.5°	71.3	69.5	71.3	71.3	73.2	73.2	73.2	75.0	78.7	78.7	82.3
80°	51.2	51.2	51.2	51.2	53.0	53.0	54.9	54.9	58.5	60.4	62.2
82.5°	32.9	32.9	34.8	34.8	34.8	36.6	36.6	38.4	40.2	42.1	43.9
85°	18.3	18.3	18.3	20.1	20.1	22.0	22.0	23.8	25.6	27.4	29.3
87.5°	5.5	7.3	9.1	9.1	11.0	11.0	12.8	12.8	16.5	18.3	20.1
90°	1.8	1.8	3.7	3.7	3.7	5.5	5.5	7.3	7.3	9.1	11.0
92.5°	31.1	73.2	151.8	226.8	195.7	182.9	109.8	32.9	29.3	31.1	31.1
95°	64.0	120.7	221.3	358.5	464.6	530.5	574.4	658.6	744.5	729.9	545.1
97.5°	93.3	155.5	267.1	393.3	539.6	614.6	671.4	772.0	881.7	973.2	1039.0
100°	122.6	186.6	305.5	437.2	572.6	640.3	706.1	843.3	951.2	1042.7	1130.5
102.5°	153.7	217.7	340.3	477.4	611.0	676.8	740.9	861.6	982.3	1092.1	1178.1
105°	184.8	250.6	371.3	512.2	645.7	711.6	773.8	889.0	1000.6	1103.1	1201.9
107.5°	217.7	279.9	398.8	539.6	673.2	739.0	801.2	916.5	1024.4	1126.9	1216.5
110°	247.0	307.3	426.2	565.3	698.8	764.7	826.8	942.1	1048.2	1145.1	1233.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	274.4	332.9	451.8	587.2	718.9	784.8	845.1	960.4	1066.5	1161.6	1249.4
115°	305.5	356.7	477.4	607.3	737.2	801.2	861.6	975.0	1081.1	1174.4	1260.4
117.5°	331.1	380.5	499.4	623.8	751.8	814.0	872.6	986.0	1090.3	1183.6	1267.7
120°	356.7	402.4	519.5	638.4	762.8	823.2	881.7	993.3	1097.6	1189.1	1271.4
122.5°	382.3	424.4	536.0	653.1	772.0	832.3	889.0	998.8	1101.2	1190.9	1271.4
125°	406.1	442.7	550.6	664.0	777.5	836.0	890.9	998.8	1099.4	1187.2	1267.7
127.5°	428.1	462.8	561.6	675.0	781.1	837.8	890.9	995.1	1095.8	1181.7	1260.4
130°	450.0	481.1	572.6	680.5	784.8	836.0	887.2	987.8	1086.6	1172.6	1247.6
132.5°	472.0	501.2	581.7	686.0	786.6	836.0	883.6	980.5	1075.6	1159.8	1231.1
135°	492.1	515.9	590.9	689.6	784.8	832.3	876.2	967.7	1059.2	1141.5	1211.0
137.5°	510.4	530.5	598.2	691.5	782.9	826.8	870.8	953.1	1039.0	1119.5	1187.2
140°	526.8	545.1	601.8	691.5	775.6	819.5	859.8	938.4	1017.1	1093.9	1159.8
142.5°	541.5	557.9	607.3	687.8	768.3	810.4	848.8	923.8	995.1	1068.3	1132.3
145°	556.1	568.9	611.0	686.0	759.2	797.6	834.2	905.5	975.0	1040.9	1101.2
147.5°	567.1	579.9	614.6	678.7	748.2	782.9	817.7	885.4	949.4	1011.6	1066.5
150°	578.1	589.0	616.5	671.4	735.4	766.5	797.6	861.6	923.8	980.5	1031.7
152.5°	589.0	596.4	622.0	664.0	720.7	750.0	781.1	837.8	894.5	947.6	997.0
155°	596.4	601.8	623.8	656.7	706.1	731.7	757.3	810.4	861.6	911.0	956.7
157.5°	603.7	609.2	625.6	651.2	689.6	713.4	735.4	781.1	828.7	872.6	914.7
160°	609.2	612.8	625.6	647.6	675.0	691.5	711.6	753.7	793.9	832.3	868.9
162.5°	614.6	616.5	625.6	642.1	662.2	673.2	687.8	720.7	757.3	790.3	823.2
165°	618.3	620.1	625.6	638.4	651.2	660.4	667.7	691.5	718.9	748.2	775.6
167.5°	622.0	622.0	625.6	634.8	642.1	647.6	653.1	665.9	684.2	706.1	726.2
170°	623.8	623.8	625.6	631.1	636.6	638.4	642.1	649.4	658.6	669.5	682.3
172.5°	623.8	623.8	623.8	627.5	629.3	629.3	629.3	632.9	638.4	645.7	651.2
175°	623.8	622.0	622.0	623.8	622.0	622.0	622.0	622.0	623.8	627.5	629.3
177.5°	623.8	622.0	620.1	620.1	618.3	618.3	616.5	616.5	616.5	616.5	616.5
180°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	406.1	406.1	404.3	402.4	402.4	402.4	400.6	398.8	397.0	397.0
5°	406.1	406.1	404.3	404.3	404.3	404.3	402.4	402.4	400.6	400.6
7.5°	407.9	406.1	406.1	406.1	406.1	406.1	406.1	406.1	404.3	404.3
10°	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9
12.5°	409.8	409.8	409.8	409.8	411.6	411.6	411.6	411.6	411.6	411.6
15°	409.8	411.6	413.4	413.4	413.4	415.3	415.3	415.3	415.3	415.3
17.5°	411.6	413.4	415.3	415.3	417.1	417.1	418.9	418.9	418.9	418.9
20°	411.6	413.4	415.3	417.1	418.9	418.9	420.7	422.6	422.6	420.7
22.5°	409.8	413.4	415.3	417.1	418.9	420.7	422.6	424.4	424.4	424.4
25°	407.9	411.6	415.3	418.9	418.9	420.7	424.4	424.4	424.4	424.4
27.5°	406.1	409.8	413.4	417.1	418.9	420.7	422.6	424.4	424.4	424.4
30°	402.4	407.9	411.6	415.3	417.1	418.9	420.7	422.6	422.6	422.6
32.5°	397.0	402.4	406.1	411.6	413.4	415.3	417.1	418.9	418.9	418.9
35°	391.5	397.0	400.6	406.1	407.9	409.8	413.4	413.4	415.3	415.3
37.5°	382.3	389.6	393.3	398.8	400.6	402.4	406.1	407.9	407.9	407.9
40°	373.2	380.5	384.2	389.6	391.5	393.3	397.0	398.8	400.6	400.6
42.5°	362.2	369.5	373.2	378.7	380.5	382.3	386.0	387.8	389.6	389.6
45°	351.2	356.7	360.4	365.9	369.5	369.5	373.2	375.0	376.8	376.8
47.5°	336.6	342.1	345.7	351.2	354.9	356.7	358.5	360.4	362.2	362.2
50°	320.1	325.6	331.1	334.8	338.4	338.4	342.1	343.9	345.7	345.7
52.5°	303.7	307.3	312.8	318.3	320.1	322.0	323.8	325.6	327.4	327.4
55°	285.4	289.0	294.5	298.2	300.0	301.8	303.7	305.5	307.3	307.3
57.5°	265.2	268.9	274.4	278.1	279.9	281.7	283.5	285.4	287.2	287.2
60°	243.3	247.0	252.4	256.1	257.9	257.9	261.6	263.4	263.4	263.4
62.5°	221.3	225.0	228.7	232.3	234.2	236.0	237.8	239.6	239.6	239.6
65°	199.4	203.1	206.7	208.5	210.4	210.4	212.2	214.0	215.9	215.9
67.5°	175.6	179.3	182.9	184.8	186.6	186.6	188.4	190.2	190.2	190.2
70°	151.8	153.7	157.3	159.1	161.0	161.0	164.6	164.6	164.6	164.6
72.5°	128.1	129.9	133.5	135.4	137.2	137.2	139.0	140.9	140.9	140.9
75°	106.1	107.9	109.8	113.4	113.4	113.4	115.2	117.1	117.1	117.1
77.5°	84.1	86.0	87.8	89.6	91.5	91.5	93.3	95.1	95.1	95.1
80°	64.0	65.9	67.7	69.5	69.5	71.3	71.3	73.2	73.2	73.2
82.5°	45.7	47.6	49.4	51.2	53.0	53.0	54.9	56.7	56.7	54.9
85°	31.1	34.8	36.6	38.4	38.4	38.4	40.2	42.1	42.1	40.2
87.5°	22.0	22.0	23.8	25.6	25.6	27.4	27.4	29.3	29.3	29.3
90°	12.8	12.8	14.6	14.6	16.5	16.5	16.5	18.3	18.3	18.3
92.5°	31.1	31.1	32.9	32.9	32.9	32.9	34.8	34.8	34.8	34.8
95°	332.9	150.0	126.2	76.8	73.2	64.0	62.2	64.0	64.0	62.2
97.5°	1117.7	1196.4	1245.8	1269.5	1240.3	1209.2	1174.4	1168.9	1121.4	1015.3
100°	1205.5	1267.7	1328.1	1370.2	1386.6	1401.3	1434.2	1454.3	1463.4	1472.6
102.5°	1249.4	1315.3	1368.3	1421.4	1443.3	1463.4	1492.7	1516.5	1525.6	1533.0
105°	1287.8	1355.5	1414.1	1461.6	1481.7	1500.0	1529.3	1551.3	1567.7	1569.5
107.5°	1297.0	1368.3	1434.2	1492.7	1516.5	1536.6	1571.4	1587.8	1602.5	1602.5
110°	1313.4	1381.1	1441.5	1494.5	1518.3	1542.1	1578.7	1604.3	1618.9	1622.6



TEST NUMBER: P395794

CATALOG NUMBER: I3-UL-80L92765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1326.2	1395.8	1452.5	1505.5	1525.6	1547.6	1582.4	1606.1	1618.9	1624.4
115°	1337.2	1404.9	1461.6	1511.0	1533.0	1554.9	1589.7	1609.8	1624.4	1629.9
117.5°	1344.5	1410.4	1467.1	1512.8	1536.6	1554.9	1587.8	1609.8	1624.4	1626.3
120°	1346.4	1412.2	1467.1	1512.8	1533.0	1553.1	1586.0	1608.0	1622.6	1622.6
122.5°	1346.4	1410.4	1465.3	1509.2	1527.5	1545.8	1576.9	1602.5	1615.3	1615.3
125°	1339.1	1403.1	1456.1	1500.0	1518.3	1534.8	1567.7	1591.5	1604.3	1606.1
127.5°	1328.1	1390.3	1443.3	1487.2	1505.5	1520.2	1554.9	1576.9	1589.7	1591.5
130°	1313.4	1375.6	1426.9	1468.9	1487.2	1503.7	1533.0	1556.7	1571.4	1575.0
132.5°	1297.0	1355.5	1406.7	1447.0	1465.3	1479.9	1509.2	1533.0	1545.8	1551.3
135°	1276.9	1331.7	1381.1	1421.4	1439.7	1454.3	1481.7	1505.5	1518.3	1523.8
137.5°	1251.2	1304.3	1351.9	1392.1	1408.6	1423.2	1450.6	1472.6	1483.6	1490.9
140°	1222.0	1271.4	1320.8	1357.3	1373.8	1388.4	1412.2	1436.0	1447.0	1452.5
142.5°	1190.9	1240.3	1284.2	1320.8	1335.4	1350.0	1373.8	1395.8	1406.7	1408.6
145°	1158.0	1205.5	1245.8	1280.5	1293.3	1308.0	1329.9	1351.9	1362.8	1364.7
147.5°	1121.4	1165.3	1203.7	1236.6	1251.2	1262.2	1282.3	1302.5	1313.4	1315.3
150°	1079.3	1119.5	1154.3	1187.2	1200.0	1211.0	1233.0	1251.2	1262.2	1264.1
152.5°	1039.0	1077.5	1106.7	1136.0	1148.8	1159.8	1178.1	1196.4	1207.3	1209.2
155°	997.0	1031.7	1061.0	1084.8	1095.8	1106.7	1121.4	1137.8	1147.0	1148.8
157.5°	953.1	986.0	1011.6	1033.6	1044.5	1053.7	1066.5	1081.1	1086.6	1090.3
160°	905.5	932.9	954.9	976.9	986.0	995.1	1007.9	1018.9	1026.2	1028.1
162.5°	854.3	878.1	896.4	916.5	922.0	929.3	942.1	953.1	958.6	960.4
165°	801.2	823.2	839.7	856.1	859.8	865.3	874.4	885.4	889.0	892.7
167.5°	748.2	766.5	777.5	792.1	797.6	801.2	810.4	817.7	821.4	823.2
170°	697.0	709.8	718.9	729.9	731.7	737.2	742.7	750.0	751.8	751.8
172.5°	656.7	662.2	667.7	671.4	673.2	675.0	678.7	680.5	680.5	680.5
175°	631.1	634.8	634.8	636.6	636.6	636.6	636.6	636.6	636.6	636.6
177.5°	616.5	616.5	616.5	614.6	614.6	614.6	614.6	612.8	612.8	612.8
180°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8

(END OF REPORT)