

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: P395779

Luminaire Tested: **I3-UL-80L82765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395779
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 (4000K)
Description: CORELITE I3, OPEN TOP
8000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8017.1 lumens
Efficiency: N/A
Efficacy: 127.3 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

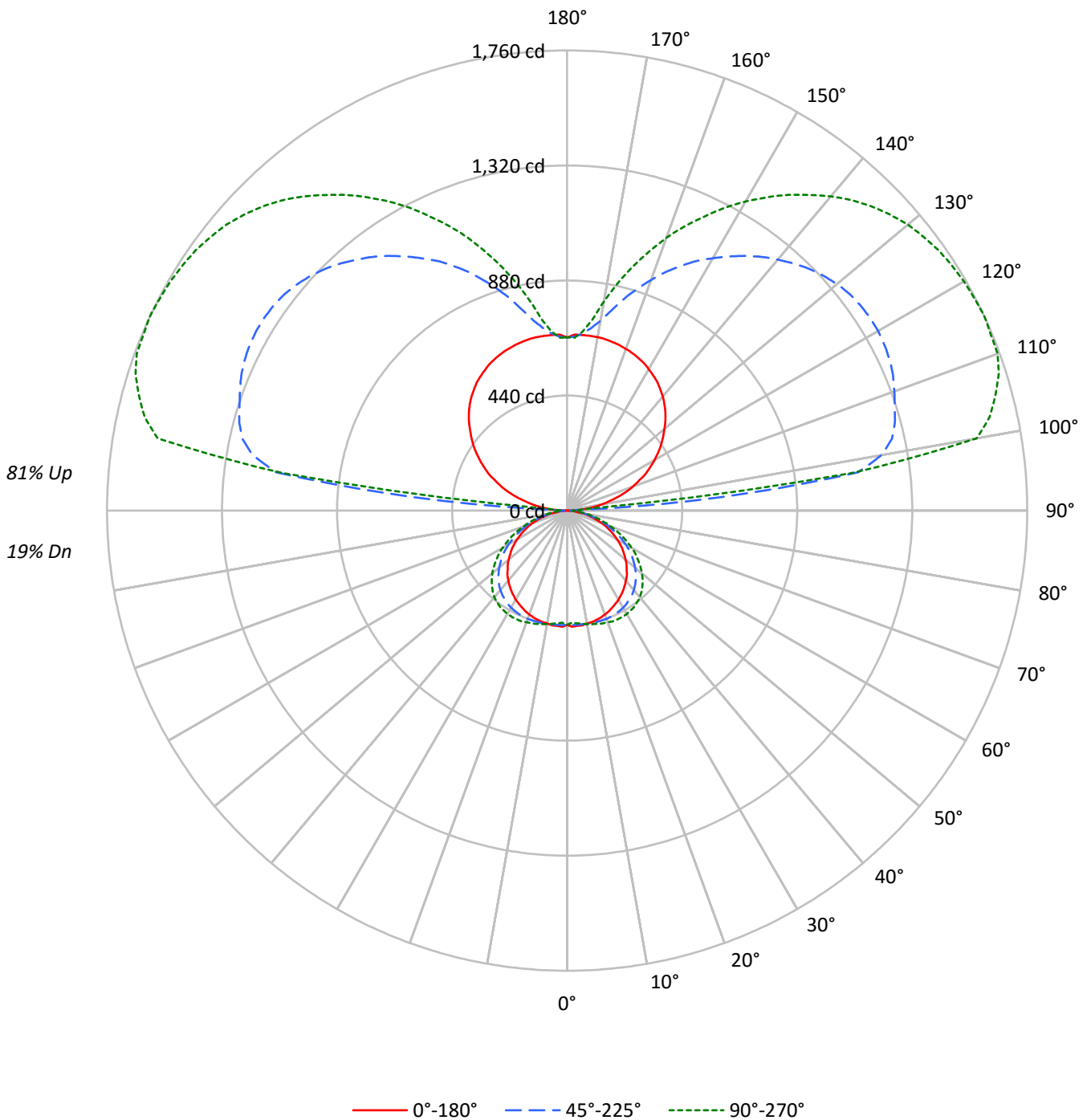
Input Watts (W): 63
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2400	2400	2400
5°	2433	2365	2320
10°	2430	2349	2323
15°	2434	2340	2343
20°	2435	2350	2370
25°	2432	2356	2406
30°	2436	2359	2429
35°	2433	2347	2440
40°	2423	2330	2426
45°	2402	2281	2373
50°	2380	2207	2285
55°	2338	2100	2155
60°	2266	1948	1983
65°	2167	1735	1768
70°	2047	1505	1491
75°	1774	1179	1197
80°	1410	848	865
85°	840	494	570



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CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	0.5
10°-20°	124.6	1.6
20°-30°	200.4	2.5
30°-40°	257.9	3.2
40°-50°	283.3	3.5
50°-60°	266.3	3.3
60°-70°	206.9	2.6
70°-80°	118.7	1.5
80°-90°	38.0	0.5
90°-100°	512.5	6.4
100°-110°	1217.9	15.2
110°-120°	1223.4	15.3
120°-130°	1122.0	14.0
130°-140°	938.2	11.7
140°-150°	704.1	8.8
150°-160°	458.4	5.7
160°-170°	236.1	2.9
170°-180°	66.8	0.8
0°-30°	366.8	4.6
0°-40°	624.7	7.8
0°-60°	1174.3	14.6
0°-90°	1537.9	19.2
90°-120°	2953.8	36.8
90°-150°	5718.0	71.3
90°-180°	6479.0	80.8
0°-180°	8017.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	437	437	437	437	437	
5°	443	439	439	437	433	42
15°	433	431	441	446	448	122
25°	409	413	437	452	458	189
35°	373	383	415	441	448	233
45°	322	338	372	399	407	249
55°	259	273	302	324	332	231
65°	182	192	209	227	233	180
75°	97	101	111	122	126	103
85°	20	24	32	42	44	23
90°	2	6	12	18	20	6
95°	69	573	589	79	67	69
105°	200	769	1298	1600	1695	211
115°	330	865	1361	1656	1760	324
125°	439	903	1369	1640	1735	392
135°	532	899	1308	1555	1646	410
145°	601	862	1189	1397	1474	375
155°	644	790	1033	1184	1241	297
165°	668	713	838	929	964	189
175°	674	672	680	688	688	64
180°	662	662	662	662	662	



TEST NUMBER: P395779

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7
2.5°	444.6	442.6	440.6	440.6	438.6	438.6	438.6	436.7	436.7	436.7	438.6
5°	442.6	442.6	440.6	438.6	438.6	438.6	436.7	436.7	436.7	436.7	438.6
7.5°	442.6	440.6	438.6	438.6	436.7	436.7	436.7	436.7	436.7	436.7	438.6
10°	438.6	438.6	436.7	436.7	434.7	436.7	436.7	436.7	436.7	436.7	440.6
12.5°	436.7	436.7	434.7	432.7	432.7	432.7	434.7	434.7	434.7	436.7	440.6
15°	432.7	432.7	430.7	430.7	430.7	430.7	432.7	432.7	434.7	436.7	440.6
17.5°	428.8	428.8	426.8	426.8	426.8	428.8	428.8	430.7	432.7	436.7	440.6
20°	422.8	422.8	422.8	422.8	422.8	424.8	424.8	426.8	430.7	434.7	440.6
22.5°	416.9	416.9	416.9	416.9	416.9	418.9	420.8	424.8	426.8	432.7	438.6
25°	409.0	409.0	409.0	409.0	411.0	412.9	414.9	418.9	422.8	428.8	436.7
27.5°	401.1	403.1	403.1	403.1	405.0	407.0	409.0	412.9	418.9	426.8	432.7
30°	393.2	393.2	393.2	395.2	397.1	399.1	403.1	407.0	412.9	420.8	428.8
32.5°	383.3	383.3	385.3	385.3	389.2	391.2	395.2	401.1	407.0	414.9	422.8
35°	373.4	373.4	373.4	377.4	379.4	383.3	385.3	391.2	399.1	407.0	414.9
37.5°	361.6	363.5	363.5	365.5	369.5	373.4	375.4	383.3	391.2	399.1	407.0
40°	349.7	351.7	351.7	353.7	359.6	361.6	365.5	373.4	379.4	389.2	397.1
42.5°	337.9	337.9	339.8	341.8	347.7	349.7	353.7	361.6	369.5	377.4	385.3
45°	322.1	324.0	326.0	328.0	333.9	337.9	341.8	347.7	355.6	363.5	371.5
47.5°	308.2	308.2	310.2	314.2	320.1	324.0	326.0	333.9	339.8	347.7	355.6
50°	292.4	294.4	294.4	298.3	304.3	308.2	310.2	318.1	324.0	331.9	339.8
52.5°	274.6	276.6	278.6	282.5	288.5	292.4	294.4	300.3	306.3	314.2	320.1
55°	258.8	260.8	260.8	264.8	270.7	272.7	276.6	280.6	288.5	294.4	302.3
57.5°	241.0	243.0	243.0	247.0	250.9	254.9	256.9	262.8	268.7	274.6	280.6
60°	221.3	223.3	225.2	227.2	231.2	235.1	237.1	241.0	247.0	252.9	258.8
62.5°	201.5	203.5	205.5	207.5	211.4	213.4	215.4	221.3	225.2	231.2	235.1
65°	181.8	183.8	185.7	187.7	189.7	191.7	193.6	197.6	201.5	207.5	209.4
67.5°	162.0	164.0	164.0	166.0	167.9	169.9	171.9	175.8	177.8	183.8	185.7
70°	142.3	142.3	142.3	144.2	144.2	146.2	148.2	152.1	154.1	158.1	162.0
72.5°	118.5	120.5	120.5	120.5	122.5	124.5	126.5	128.4	130.4	132.4	136.3
75°	96.8	98.8	96.8	98.8	100.8	100.8	102.7	104.7	106.7	108.7	110.6
77.5°	77.1	75.1	77.1	77.1	79.0	79.0	79.0	81.0	85.0	85.0	88.9
80°	55.3	55.3	55.3	55.3	57.3	57.3	59.3	59.3	63.2	65.2	67.2
82.5°	35.6	35.6	37.5	37.5	37.5	39.5	39.5	41.5	43.5	45.4	47.4
85°	19.8	19.8	19.8	21.7	21.7	23.7	23.7	25.7	27.7	29.6	31.6
87.5°	5.9	7.9	9.9	9.9	11.9	11.9	13.8	13.8	17.8	19.8	21.7
90°	2.0	2.0	4.0	4.0	4.0	5.9	5.9	7.9	7.9	9.9	11.9
92.5°	33.6	79.0	164.0	245.0	211.4	197.6	118.5	35.6	31.6	33.6	33.6
95°	69.2	130.4	239.1	387.3	501.9	573.0	620.4	711.3	804.2	788.3	588.8
97.5°	100.8	167.9	288.5	424.8	582.9	663.9	725.1	833.8	952.3	1051.1	1122.3
100°	132.4	201.5	330.0	472.2	618.4	691.5	762.7	910.8	1027.4	1126.2	1221.1
102.5°	166.0	235.1	367.5	515.7	659.9	731.1	800.2	930.6	1061.0	1179.6	1272.4
105°	199.6	270.7	401.1	553.2	697.5	768.6	835.8	960.2	1080.8	1191.4	1298.1
107.5°	235.1	302.3	430.7	582.9	727.1	798.2	865.4	989.9	1106.5	1217.1	1313.9
110°	266.7	331.9	460.4	610.5	754.8	825.9	893.1	1017.5	1132.1	1236.9	1331.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	296.4	359.6	488.0	634.2	776.5	847.6	912.8	1037.3	1151.9	1254.6	1349.5
115°	330.0	385.3	515.7	656.0	796.3	865.4	930.6	1053.1	1167.7	1268.5	1361.3
117.5°	357.6	411.0	539.4	673.8	812.1	879.2	942.5	1065.0	1177.6	1278.4	1369.2
120°	385.3	434.7	561.1	689.6	823.9	889.1	952.3	1072.9	1185.5	1284.3	1373.2
122.5°	412.9	458.4	578.9	705.4	833.8	899.0	960.2	1078.8	1189.4	1286.3	1373.2
125°	438.6	478.1	594.7	717.2	839.7	902.9	962.2	1078.8	1187.5	1282.3	1369.2
127.5°	462.3	499.9	606.6	729.1	843.7	904.9	962.2	1074.8	1183.5	1276.4	1361.3
130°	486.0	519.6	618.4	735.0	847.6	902.9	958.3	1066.9	1173.6	1266.5	1347.5
132.5°	509.8	541.4	628.3	740.9	849.6	902.9	954.3	1059.0	1161.8	1252.7	1329.7
135°	531.5	557.2	638.2	744.9	847.6	899.0	946.4	1045.2	1144.0	1232.9	1308.0
137.5°	551.3	573.0	646.1	746.9	845.6	893.1	940.5	1029.4	1122.3	1209.2	1282.3
140°	569.0	588.8	650.0	746.9	837.7	885.2	928.6	1013.6	1098.6	1181.5	1252.7
142.5°	584.8	602.6	656.0	742.9	829.8	875.3	916.8	997.8	1074.8	1153.9	1223.0
145°	600.6	614.5	659.9	740.9	820.0	861.5	901.0	978.0	1053.1	1124.2	1189.4
147.5°	612.5	626.3	663.9	733.0	808.1	845.6	883.2	956.3	1025.4	1092.6	1151.9
150°	624.4	636.2	665.8	725.1	794.3	827.9	861.5	930.6	997.8	1059.0	1114.4
152.5°	636.2	644.1	671.8	717.2	778.5	810.1	843.7	904.9	966.2	1023.5	1076.8
155°	644.1	650.0	673.8	709.3	762.7	790.3	818.0	875.3	930.6	984.0	1033.3
157.5°	652.0	657.9	675.7	703.4	744.9	770.6	794.3	843.7	895.0	942.5	987.9
160°	657.9	661.9	675.7	699.4	729.1	746.9	768.6	814.0	857.5	899.0	938.5
162.5°	663.9	665.8	675.7	693.5	715.2	727.1	742.9	778.5	818.0	853.6	889.1
165°	667.8	669.8	675.7	689.6	703.4	713.3	721.2	746.9	776.5	808.1	837.7
167.5°	671.8	671.8	675.7	685.6	693.5	699.4	705.4	719.2	739.0	762.7	784.4
170°	673.8	673.8	675.7	681.7	687.6	689.6	693.5	701.4	711.3	723.1	737.0
172.5°	673.8	673.8	673.8	677.7	679.7	679.7	679.7	683.6	689.6	697.5	703.4
175°	673.8	671.8	671.8	673.8	671.8	671.8	671.8	671.8	673.8	677.7	679.7
177.5°	673.8	671.8	669.8	669.8	667.8	667.8	665.8	665.8	665.8	665.8	665.8
180°	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7	436.7
2.5°	438.6	438.6	436.7	434.7	434.7	434.7	432.7	430.7	428.8	428.8
5°	438.6	438.6	436.7	436.7	436.7	436.7	434.7	434.7	432.7	432.7
7.5°	440.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	436.7	436.7
10°	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6	440.6
12.5°	442.6	442.6	442.6	442.6	444.6	444.6	444.6	444.6	444.6	444.6
15°	442.6	444.6	446.5	446.5	446.5	448.5	448.5	448.5	448.5	448.5
17.5°	444.6	446.5	448.5	448.5	450.5	450.5	452.5	452.5	452.5	452.5
20°	444.6	446.5	448.5	450.5	452.5	452.5	454.4	456.4	456.4	454.4
22.5°	442.6	446.5	448.5	450.5	452.5	454.4	456.4	458.4	458.4	458.4
25°	440.6	444.6	448.5	452.5	452.5	454.4	458.4	458.4	458.4	458.4
27.5°	438.6	442.6	446.5	450.5	452.5	454.4	456.4	458.4	458.4	458.4
30°	434.7	440.6	444.6	448.5	450.5	452.5	454.4	456.4	456.4	456.4
32.5°	428.8	434.7	438.6	444.6	446.5	448.5	450.5	452.5	452.5	452.5
35°	422.8	428.8	432.7	438.6	440.6	442.6	446.5	446.5	448.5	448.5
37.5°	412.9	420.8	424.8	430.7	432.7	434.7	438.6	440.6	440.6	440.6
40°	403.1	411.0	414.9	420.8	422.8	424.8	428.8	430.7	432.7	432.7
42.5°	391.2	399.1	403.1	409.0	411.0	412.9	416.9	418.9	420.8	420.8
45°	379.4	385.3	389.2	395.2	399.1	399.1	403.1	405.0	407.0	407.0
47.5°	363.5	369.5	373.4	379.4	383.3	385.3	387.3	389.2	391.2	391.2
50°	345.8	351.7	357.6	361.6	365.5	365.5	369.5	371.5	373.4	373.4
52.5°	328.0	331.9	337.9	343.8	345.8	347.7	349.7	351.7	353.7	353.7
55°	308.2	312.2	318.1	322.1	324.0	326.0	328.0	330.0	331.9	331.9
57.5°	286.5	290.4	296.4	300.3	302.3	304.3	306.3	308.2	310.2	310.2
60°	262.8	266.7	272.7	276.6	278.6	278.6	282.5	284.5	284.5	284.5
62.5°	239.1	243.0	247.0	250.9	252.9	254.9	256.9	258.8	258.8	258.8
65°	215.4	219.3	223.3	225.2	227.2	227.2	229.2	231.2	233.1	233.1
67.5°	189.7	193.6	197.6	199.6	201.5	201.5	203.5	205.5	205.5	205.5
70°	164.0	166.0	169.9	171.9	173.9	173.9	177.8	177.8	177.8	177.8
72.5°	138.3	140.3	144.2	146.2	148.2	148.2	150.2	152.1	152.1	152.1
75°	114.6	116.6	118.5	122.5	122.5	122.5	124.5	126.5	126.5	126.5
77.5°	90.9	92.9	94.8	96.8	98.8	98.8	100.8	102.7	102.7	102.7
80°	69.2	71.1	73.1	75.1	75.1	77.1	77.1	79.0	79.0	79.0
82.5°	49.4	51.4	53.3	55.3	57.3	57.3	59.3	61.3	61.3	59.3
85°	33.6	37.5	39.5	41.5	41.5	41.5	43.5	45.4	45.4	43.5
87.5°	23.7	23.7	25.7	27.7	27.7	29.6	29.6	31.6	31.6	31.6
90°	13.8	13.8	15.8	15.8	17.8	17.8	17.8	19.8	19.8	19.8
92.5°	33.6	33.6	35.6	35.6	35.6	35.6	37.5	37.5	37.5	37.5
95°	359.6	162.0	136.3	83.0	79.0	69.2	67.2	69.2	69.2	67.2
97.5°	1207.2	1292.2	1345.5	1371.2	1339.6	1306.0	1268.5	1262.5	1211.2	1096.6
100°	1302.1	1369.2	1434.4	1479.9	1497.7	1513.5	1549.0	1570.8	1580.6	1590.5
102.5°	1349.5	1420.6	1477.9	1535.2	1558.9	1580.6	1612.3	1637.9	1647.8	1655.7
105°	1391.0	1464.1	1527.3	1578.7	1600.4	1620.2	1651.8	1675.5	1693.3	1695.2
107.5°	1400.9	1477.9	1549.0	1612.3	1637.9	1659.7	1697.2	1715.0	1730.8	1730.8
110°	1418.6	1491.7	1556.9	1614.2	1639.9	1665.6	1705.1	1732.8	1748.6	1752.5



TEST NUMBER: P395779

CATALOG NUMBER: I3-UL-80L82765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1432.5	1507.5	1568.8	1626.1	1647.8	1671.5	1709.1	1734.8	1748.6	1754.5
115°	1444.3	1517.4	1578.7	1632.0	1655.7	1679.4	1717.0	1738.7	1754.5	1760.4
117.5°	1452.2	1523.4	1584.6	1634.0	1659.7	1679.4	1715.0	1738.7	1754.5	1756.5
120°	1454.2	1525.3	1584.6	1634.0	1655.7	1677.5	1713.0	1736.7	1752.5	1752.5
122.5°	1454.2	1523.4	1582.6	1630.0	1649.8	1669.6	1703.2	1730.8	1744.6	1744.6
125°	1446.3	1515.4	1572.7	1620.2	1639.9	1657.7	1693.3	1719.0	1732.8	1734.8
127.5°	1434.4	1501.6	1558.9	1606.3	1626.1	1641.9	1679.4	1703.2	1717.0	1719.0
130°	1418.6	1485.8	1541.1	1586.6	1606.3	1624.1	1655.7	1681.4	1697.2	1701.2
132.5°	1400.9	1464.1	1519.4	1562.9	1582.6	1598.4	1630.0	1655.7	1669.6	1675.5
135°	1379.1	1438.4	1491.7	1535.2	1555.0	1570.8	1600.4	1626.1	1639.9	1645.9
137.5°	1351.5	1408.8	1460.1	1503.6	1521.4	1537.2	1566.8	1590.5	1602.4	1610.3
140°	1319.8	1373.2	1426.5	1466.1	1483.8	1499.6	1525.3	1551.0	1562.9	1568.8
142.5°	1286.3	1339.6	1387.0	1426.5	1442.3	1458.1	1483.8	1507.5	1519.4	1521.4
145°	1250.7	1302.1	1345.5	1383.1	1396.9	1412.7	1436.4	1460.1	1472.0	1474.0
147.5°	1211.2	1258.6	1300.1	1335.6	1351.5	1363.3	1385.0	1406.8	1418.6	1420.6
150°	1165.7	1209.2	1246.7	1282.3	1296.1	1308.0	1331.7	1351.5	1363.3	1365.3
152.5°	1122.3	1163.8	1195.4	1227.0	1240.8	1252.7	1272.4	1292.2	1304.0	1306.0
155°	1076.8	1114.4	1146.0	1171.7	1183.5	1195.4	1211.2	1229.0	1238.8	1240.8
157.5°	1029.4	1065.0	1092.6	1116.3	1128.2	1138.1	1151.9	1167.7	1173.6	1177.6
160°	978.0	1007.7	1031.4	1055.1	1065.0	1074.8	1088.7	1100.5	1108.4	1110.4
162.5°	922.7	948.4	968.1	989.9	995.8	1003.7	1017.5	1029.4	1035.3	1037.3
165°	865.4	889.1	906.9	924.7	928.6	934.6	944.4	956.3	960.2	964.2
167.5°	808.1	827.9	839.7	855.5	861.5	865.4	875.3	883.2	887.1	889.1
170°	752.8	766.6	776.5	788.3	790.3	796.3	802.2	810.1	812.1	812.1
172.5°	709.3	715.2	721.2	725.1	727.1	729.1	733.0	735.0	735.0	735.0
175°	681.7	685.6	685.6	687.6	687.6	687.6	687.6	687.6	687.6	687.6
177.5°	665.8	665.8	665.8	663.9	663.9	663.9	663.9	661.9	661.9	661.9
180°	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9

(END OF REPORT)