

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: P395751

Luminaire Tested: **I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395751
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-60L82765-1D-UNV-W2A-W-4 (3000K)
Description: CORELITE I3, OPEN TOP
6000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5732.5 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

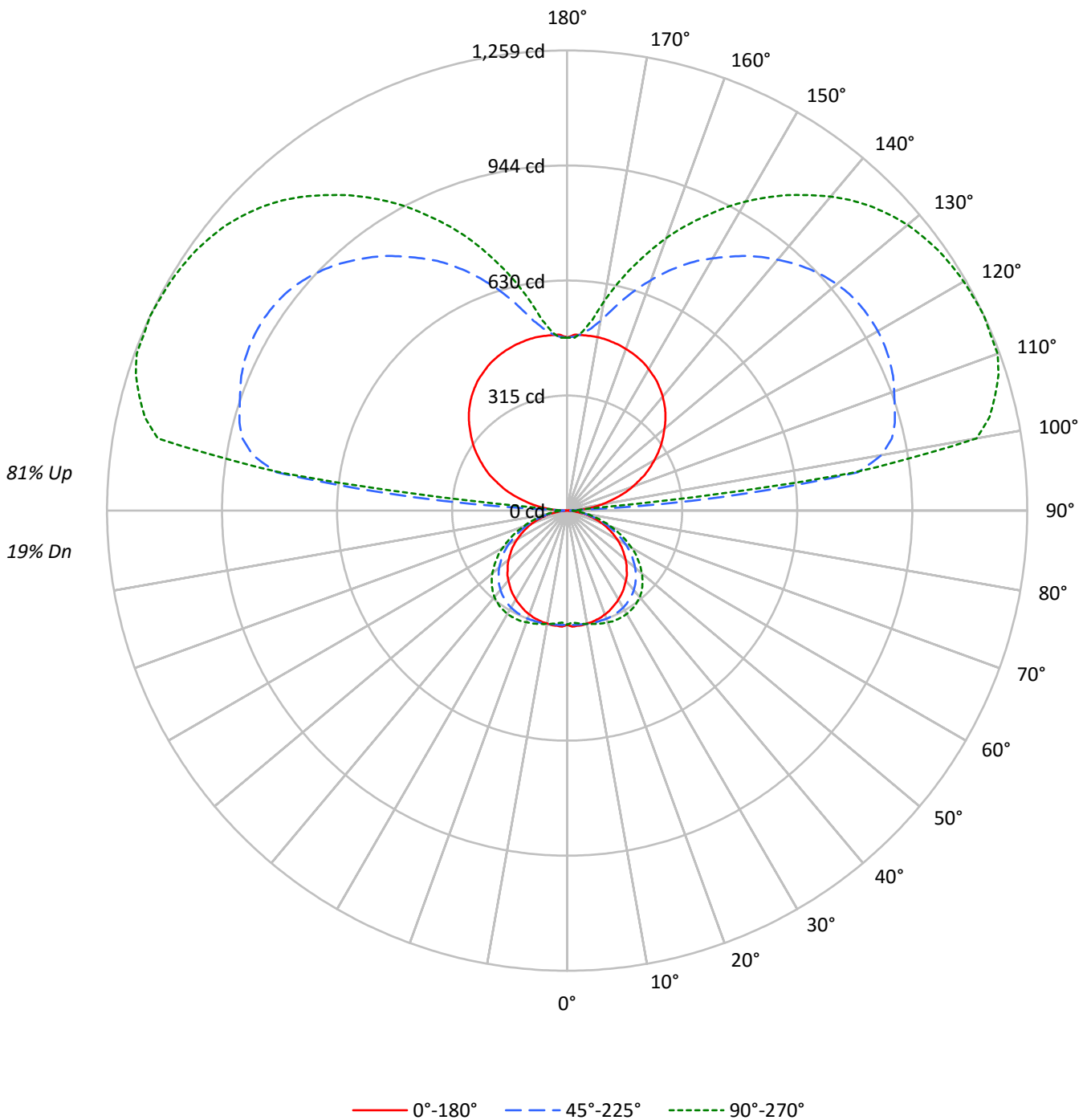
Input Watts (W): 43.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)

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°	1716	1716	1716
5°	1740	1691	1659
10°	1737	1679	1660
15°	1741	1673	1675
20°	1741	1680	1695
25°	1739	1685	1721
30°	1741	1687	1737
35°	1740	1678	1745
40°	1733	1666	1735
45°	1717	1631	1696
50°	1702	1578	1634
55°	1672	1502	1541
60°	1620	1393	1418
65°	1549	1241	1264
70°	1463	1076	1066
75°	1268	843	856
80°	1010	606	619
85°	598	353	408



TEST NUMBER: P395751

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	0.5
10°-20°	89.1	1.6
20°-30°	143.3	2.5
30°-40°	184.4	3.2
40°-50°	202.6	3.5
50°-60°	190.4	3.3
60°-70°	147.9	2.6
70°-80°	84.9	1.5
80°-90°	27.2	0.5
90°-100°	366.4	6.4
100°-110°	870.8	15.2
110°-120°	874.8	15.3
120°-130°	802.2	14.0
130°-140°	670.8	11.7
140°-150°	503.5	8.8
150°-160°	327.8	5.7
160°-170°	168.8	2.9
170°-180°	47.8	0.8
0°-30°	262.3	4.6
0°-40°	446.7	7.8
0°-60°	839.7	14.6
0°-90°	1099.6	19.2
90°-120°	2112.1	36.8
90°-150°	4088.6	71.3
90°-180°	4633.0	80.8
0°-180°	5732.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	312	312	312	312	312	
5°	316	314	314	312	309	30
15°	309	308	315	319	321	87
25°	292	295	312	324	328	135
35°	267	274	297	315	321	167
45°	230	242	266	285	291	178
55°	185	195	216	232	237	165
65°	130	137	150	162	167	129
75°	69	72	79	88	90	74
85°	14	17	23	30	31	17
90°	1	4	8	13	14	4
95°	49	410	421	56	48	49
105°	143	550	928	1144	1212	151
115°	236	619	973	1184	1259	232
125°	314	646	979	1173	1240	280
135°	380	643	935	1112	1177	293
145°	430	616	850	999	1054	268
155°	461	565	739	846	887	213
165°	478	510	599	664	689	135
175°	482	480	486	492	492	46
180°	473	473	473	473	473	



TEST NUMBER: P395751

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2
2.5°	317.9	316.5	315.0	315.0	313.6	313.6	313.6	312.2	312.2	312.2	313.6
5°	316.5	316.5	315.0	313.6	313.6	313.6	312.2	312.2	312.2	312.2	313.6
7.5°	316.5	315.0	313.6	313.6	312.2	312.2	312.2	312.2	312.2	312.2	313.6
10°	313.6	313.6	312.2	312.2	310.8	312.2	312.2	312.2	312.2	312.2	315.0
12.5°	312.2	312.2	310.8	309.4	309.4	309.4	310.8	310.8	310.8	312.2	315.0
15°	309.4	309.4	308.0	308.0	308.0	308.0	309.4	309.4	310.8	312.2	315.0
17.5°	306.6	306.6	305.2	305.2	305.2	306.6	306.6	308.0	309.4	312.2	315.0
20°	302.3	302.3	302.3	302.3	302.3	303.7	303.7	305.2	308.0	310.8	315.0
22.5°	298.1	298.1	298.1	298.1	298.1	299.5	300.9	303.7	305.2	309.4	313.6
25°	292.4	292.4	292.4	292.4	293.9	295.3	296.7	299.5	302.3	306.6	312.2
27.5°	286.8	288.2	288.2	288.2	289.6	291.0	292.4	295.3	299.5	305.2	309.4
30°	281.1	281.1	281.1	282.6	284.0	285.4	288.2	291.0	295.3	300.9	306.6
32.5°	274.1	274.1	275.5	275.5	278.3	279.7	282.6	286.8	291.0	296.7	302.3
35°	267.0	267.0	267.0	269.8	271.3	274.1	275.5	279.7	285.4	291.0	296.7
37.5°	258.5	260.0	260.0	261.4	264.2	267.0	268.4	274.1	279.7	285.4	291.0
40°	250.1	251.5	251.5	252.9	257.1	258.5	261.4	267.0	271.3	278.3	284.0
42.5°	241.6	241.6	243.0	244.4	248.6	250.1	252.9	258.5	264.2	269.8	275.5
45°	230.3	231.7	233.1	234.5	238.8	241.6	244.4	248.6	254.3	260.0	265.6
47.5°	220.4	220.4	221.8	224.6	228.9	231.7	233.1	238.8	243.0	248.6	254.3
50°	209.1	210.5	210.5	213.3	217.6	220.4	221.8	227.5	231.7	237.3	243.0
52.5°	196.4	197.8	199.2	202.0	206.3	209.1	210.5	214.7	219.0	224.6	228.9
55°	185.1	186.5	186.5	189.3	193.6	195.0	197.8	200.6	206.3	210.5	216.2
57.5°	172.4	173.8	173.8	176.6	179.4	182.2	183.7	187.9	192.1	196.4	200.6
60°	158.2	159.6	161.1	162.5	165.3	168.1	169.5	172.4	176.6	180.8	185.1
62.5°	144.1	145.5	146.9	148.3	151.2	152.6	154.0	158.2	161.1	165.3	168.1
65°	130.0	131.4	132.8	134.2	135.6	137.0	138.5	141.3	144.1	148.3	149.8
67.5°	115.8	117.3	117.3	118.7	120.1	121.5	122.9	125.7	127.1	131.4	132.8
70°	101.7	101.7	101.7	103.1	103.1	104.5	106.0	108.8	110.2	113.0	115.8
72.5°	84.8	86.2	86.2	86.2	87.6	89.0	90.4	91.8	93.2	94.7	97.5
75°	69.2	70.6	69.2	70.6	72.1	72.1	73.5	74.9	76.3	77.7	79.1
77.5°	55.1	53.7	55.1	55.1	56.5	56.5	56.5	57.9	60.7	60.7	63.6
80°	39.6	39.6	39.6	39.6	41.0	41.0	42.4	42.4	45.2	46.6	48.0
82.5°	25.4	25.4	26.8	26.8	26.8	28.3	28.3	29.7	31.1	32.5	33.9
85°	14.1	14.1	14.1	15.5	15.5	17.0	17.0	18.4	19.8	21.2	22.6
87.5°	4.2	5.7	7.1	7.1	8.5	8.5	9.9	9.9	12.7	14.1	15.5
90°	1.4	1.4	2.8	2.8	2.8	4.2	4.2	5.7	5.7	7.1	8.5
92.5°	24.0	56.5	117.3	175.2	151.2	141.3	84.8	25.4	22.6	24.0	24.0
95°	49.4	93.2	170.9	276.9	358.8	409.7	443.6	508.6	575.0	563.7	421.0
97.5°	72.1	120.1	206.3	303.7	416.8	474.7	518.5	596.2	681.0	751.6	802.5
100°	94.7	144.1	235.9	337.7	442.2	494.5	545.3	651.3	734.6	805.3	873.1
102.5°	118.7	168.1	262.8	368.7	471.9	522.7	572.2	665.4	758.7	843.4	909.8
105°	142.7	193.6	286.8	395.6	498.7	549.6	597.6	686.6	772.8	851.9	928.2
107.5°	168.1	216.2	308.0	416.8	519.9	570.8	618.8	707.8	791.2	870.3	939.5
110°	190.7	237.3	329.2	436.5	539.7	590.5	638.6	727.6	809.5	884.4	952.2



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CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	211.9	257.1	349.0	453.5	555.2	606.1	652.7	741.7	823.6	897.1	964.9
115°	235.9	275.5	368.7	469.0	569.3	618.8	665.4	753.0	834.9	907.0	973.4
117.5°	255.7	293.9	385.7	481.8	580.7	628.7	673.9	761.5	842.0	914.1	979.1
120°	275.5	310.8	401.2	493.1	589.1	635.7	681.0	767.1	847.7	918.3	981.9
122.5°	295.3	327.8	413.9	504.4	596.2	642.8	686.6	771.4	850.5	919.7	981.9
125°	313.6	341.9	425.2	512.8	600.4	645.6	688.0	771.4	849.1	916.9	979.1
127.5°	330.6	357.4	433.7	521.3	603.3	647.1	688.0	768.5	846.3	912.7	973.4
130°	347.5	371.6	442.2	525.6	606.1	645.6	685.2	762.9	839.2	905.6	963.5
132.5°	364.5	387.1	449.3	529.8	607.5	645.6	682.4	757.2	830.7	895.7	950.8
135°	380.0	398.4	456.3	532.6	606.1	642.8	676.7	747.4	818.0	881.6	935.3
137.5°	394.2	409.7	462.0	534.0	604.7	638.6	672.5	736.1	802.5	864.6	916.9
140°	406.9	421.0	464.8	534.0	599.0	632.9	664.0	724.8	785.5	844.8	895.7
142.5°	418.2	430.9	469.0	531.2	593.4	625.9	655.5	713.5	768.5	825.1	874.5
145°	429.5	439.4	471.9	529.8	586.3	616.0	644.2	699.3	753.0	803.9	850.5
147.5°	438.0	447.8	474.7	524.1	577.8	604.7	631.5	683.8	733.2	781.3	823.6
150°	446.4	454.9	476.1	518.5	567.9	592.0	616.0	665.4	713.5	757.2	796.8
152.5°	454.9	460.6	480.3	512.8	556.6	579.2	603.3	647.1	690.8	731.8	770.0
155°	460.6	464.8	481.8	507.2	545.3	565.1	584.9	625.9	665.4	703.6	738.9
157.5°	466.2	470.5	483.2	502.9	532.6	551.0	567.9	603.3	640.0	673.9	706.4
160°	470.5	473.3	483.2	500.1	521.3	534.0	549.6	582.1	613.1	642.8	671.1
162.5°	474.7	476.1	483.2	495.9	511.4	519.9	531.2	556.6	584.9	610.3	635.7
165°	477.5	478.9	483.2	493.1	502.9	510.0	515.7	534.0	555.2	577.8	599.0
167.5°	480.3	480.3	483.2	490.2	495.9	500.1	504.4	514.2	528.4	545.3	560.9
170°	481.8	481.8	483.2	487.4	491.6	493.1	495.9	501.5	508.6	517.1	527.0
172.5°	481.8	481.8	481.8	484.6	486.0	486.0	486.0	488.8	493.1	498.7	502.9
175°	481.8	480.3	480.3	481.8	480.3	480.3	480.3	480.3	481.8	484.6	486.0
177.5°	481.8	480.3	478.9	478.9	477.5	477.5	476.1	476.1	476.1	476.1	476.1
180°	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3



TEST NUMBER: P395751

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2	312.2
2.5°	313.6	313.6	312.2	310.8	310.8	310.8	309.4	308.0	306.6	306.6
5°	313.6	313.6	312.2	312.2	312.2	312.2	310.8	310.8	309.4	309.4
7.5°	315.0	313.6	313.6	313.6	313.6	313.6	313.6	313.6	312.2	312.2
10°	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0	315.0
12.5°	316.5	316.5	316.5	316.5	317.9	317.9	317.9	317.9	317.9	317.9
15°	316.5	317.9	319.3	319.3	319.3	320.7	320.7	320.7	320.7	320.7
17.5°	317.9	319.3	320.7	320.7	322.1	322.1	323.5	323.5	323.5	323.5
20°	317.9	319.3	320.7	322.1	323.5	323.5	324.9	326.4	326.4	324.9
22.5°	316.5	319.3	320.7	322.1	323.5	324.9	326.4	327.8	327.8	327.8
25°	315.0	317.9	320.7	323.5	323.5	324.9	327.8	327.8	327.8	327.8
27.5°	313.6	316.5	319.3	322.1	323.5	324.9	326.4	327.8	327.8	327.8
30°	310.8	315.0	317.9	320.7	322.1	323.5	324.9	326.4	326.4	326.4
32.5°	306.6	310.8	313.6	317.9	319.3	320.7	322.1	323.5	323.5	323.5
35°	302.3	306.6	309.4	313.6	315.0	316.5	319.3	319.3	320.7	320.7
37.5°	295.3	300.9	303.7	308.0	309.4	310.8	313.6	315.0	315.0	315.0
40°	288.2	293.9	296.7	300.9	302.3	303.7	306.6	308.0	309.4	309.4
42.5°	279.7	285.4	288.2	292.4	293.9	295.3	298.1	299.5	300.9	300.9
45°	271.3	275.5	278.3	282.6	285.4	285.4	288.2	289.6	291.0	291.0
47.5°	260.0	264.2	267.0	271.3	274.1	275.5	276.9	278.3	279.7	279.7
50°	247.2	251.5	255.7	258.5	261.4	261.4	264.2	265.6	267.0	267.0
52.5°	234.5	237.3	241.6	245.8	247.2	248.6	250.1	251.5	252.9	252.9
55°	220.4	223.2	227.5	230.3	231.7	233.1	234.5	235.9	237.3	237.3
57.5°	204.9	207.7	211.9	214.7	216.2	217.6	219.0	220.4	221.8	221.8
60°	187.9	190.7	195.0	197.8	199.2	199.2	202.0	203.4	203.4	203.4
62.5°	170.9	173.8	176.6	179.4	180.8	182.2	183.7	185.1	185.1	185.1
65°	154.0	156.8	159.6	161.1	162.5	162.5	163.9	165.3	166.7	166.7
67.5°	135.6	138.5	141.3	142.7	144.1	144.1	145.5	146.9	146.9	146.9
70°	117.3	118.7	121.5	122.9	124.3	124.3	127.1	127.1	127.1	127.1
72.5°	98.9	100.3	103.1	104.5	106.0	106.0	107.4	108.8	108.8	108.8
75°	81.9	83.4	84.8	87.6	87.6	87.6	89.0	90.4	90.4	90.4
77.5°	65.0	66.4	67.8	69.2	70.6	70.6	72.1	73.5	73.5	73.5
80°	49.4	50.9	52.3	53.7	53.7	55.1	55.1	56.5	56.5	56.5
82.5°	35.3	36.7	38.1	39.6	41.0	41.0	42.4	43.8	43.8	42.4
85°	24.0	26.8	28.3	29.7	29.7	29.7	31.1	32.5	32.5	31.1
87.5°	17.0	17.0	18.4	19.8	19.8	21.2	21.2	22.6	22.6	22.6
90°	9.9	9.9	11.3	11.3	12.7	12.7	12.7	14.1	14.1	14.1
92.5°	24.0	24.0	25.4	25.4	25.4	25.4	26.8	26.8	26.8	26.8
95°	257.1	115.8	97.5	59.3	56.5	49.4	48.0	49.4	49.4	48.0
97.5°	863.2	924.0	962.1	980.5	957.9	933.8	907.0	902.8	866.0	784.1
100°	931.0	979.1	1025.7	1058.2	1070.9	1082.2	1107.6	1123.2	1130.2	1137.3
102.5°	964.9	1015.8	1056.8	1097.7	1114.7	1130.2	1152.8	1171.2	1178.3	1183.9
105°	994.6	1046.9	1092.1	1128.8	1144.3	1158.5	1181.1	1198.0	1210.7	1212.2
107.5°	1001.7	1056.8	1107.6	1152.8	1171.2	1186.7	1213.6	1226.3	1237.6	1237.6
110°	1014.4	1066.6	1113.3	1154.2	1172.6	1191.0	1219.2	1239.0	1250.3	1253.1



TEST NUMBER: P395751

CATALOG NUMBER: I3-UL-60L82765-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	1024.3	1077.9	1121.7	1162.7	1178.3	1195.2	1222.0	1240.4	1250.3	1254.5
115°	1032.7	1085.0	1128.8	1167.0	1183.9	1200.9	1227.7	1243.2	1254.5	1258.8
117.5°	1038.4	1089.2	1133.0	1168.4	1186.7	1200.9	1226.3	1243.2	1254.5	1256.0
120°	1039.8	1090.7	1133.0	1168.4	1183.9	1199.4	1224.9	1241.8	1253.1	1253.1
122.5°	1039.8	1089.2	1131.6	1165.5	1179.7	1193.8	1217.8	1237.6	1247.5	1247.5
125°	1034.2	1083.6	1124.6	1158.5	1172.6	1185.3	1210.7	1229.1	1239.0	1240.4
127.5°	1025.7	1073.7	1114.7	1148.6	1162.7	1174.0	1200.9	1217.8	1227.7	1229.1
130°	1014.4	1062.4	1102.0	1134.5	1148.6	1161.3	1183.9	1202.3	1213.6	1216.4
132.5°	1001.7	1046.9	1086.4	1117.5	1131.6	1142.9	1165.5	1183.9	1193.8	1198.0
135°	986.1	1028.5	1066.6	1097.7	1111.9	1123.2	1144.3	1162.7	1172.6	1176.8
137.5°	966.3	1007.3	1044.0	1075.1	1087.8	1099.1	1120.3	1137.3	1145.8	1151.4
140°	943.7	981.9	1020.0	1048.3	1061.0	1072.3	1090.7	1109.0	1117.5	1121.7
142.5°	919.7	957.9	991.8	1020.0	1031.3	1042.6	1061.0	1077.9	1086.4	1087.8
145°	894.3	931.0	962.1	988.9	998.8	1010.1	1027.1	1044.0	1052.5	1053.9
147.5°	866.0	899.9	929.6	955.0	966.3	974.8	990.4	1005.9	1014.4	1015.8
150°	833.5	864.6	891.5	916.9	926.8	935.3	952.2	966.3	974.8	976.2
152.5°	802.5	832.1	854.7	877.3	887.2	895.7	909.8	924.0	932.4	933.8
155°	770.0	796.8	819.4	837.8	846.3	854.7	866.0	878.7	885.8	887.2
157.5°	736.1	761.5	781.3	798.2	806.7	813.8	823.6	834.9	839.2	842.0
160°	699.3	720.5	737.5	754.4	761.5	768.5	778.4	786.9	792.6	794.0
162.5°	659.8	678.1	692.3	707.8	712.0	717.7	727.6	736.1	740.3	741.7
165°	618.8	635.7	648.5	661.2	664.0	668.2	675.3	683.8	686.6	689.4
167.5°	577.8	592.0	600.4	611.7	616.0	618.8	625.9	631.5	634.3	635.7
170°	538.3	548.2	555.2	563.7	565.1	569.3	573.6	579.2	580.7	580.7
172.5°	507.2	511.4	515.7	518.5	519.9	521.3	524.1	525.6	525.6	525.6
175°	487.4	490.2	490.2	491.6	491.6	491.6	491.6	491.6	491.6	491.6
177.5°	476.1	476.1	476.1	474.7	474.7	474.7	474.7	473.3	473.3	473.3
180°	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3	473.3

(END OF REPORT)