

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: P395730

Luminaire Tested: **I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395730
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-50L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, OPEN TOP
5000 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: 5258.4 lumens
Efficiency: N/A
Efficacy: 144.1 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

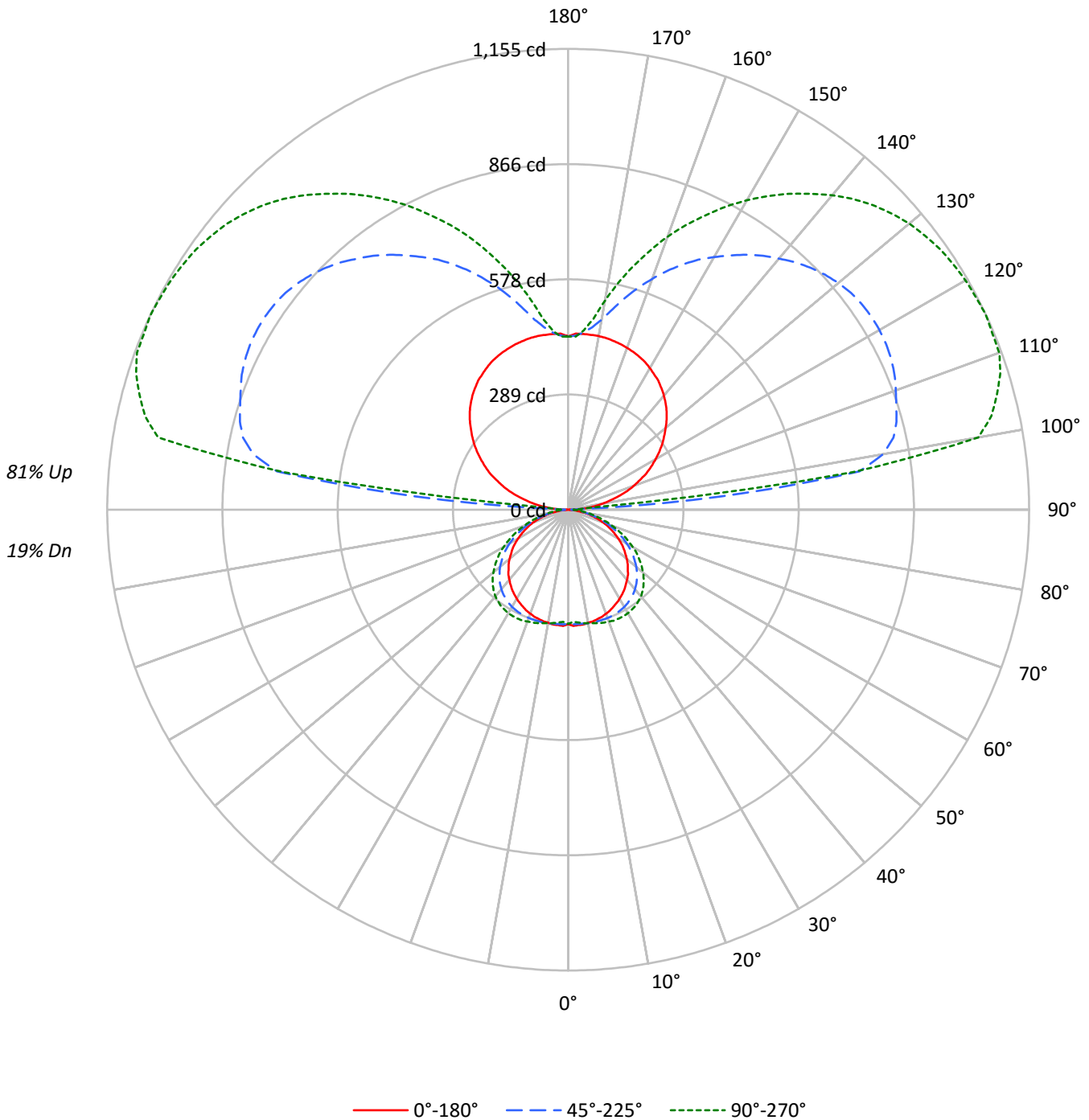
Input Watts (W): 36.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

Luminous Intensity Polar Plot





TEST NUMBER: P395730

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

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°	1574	1574	1574
5°	1596	1551	1521
10°	1594	1541	1523
15°	1597	1535	1537
20°	1597	1541	1555
25°	1595	1545	1578
30°	1598	1547	1594
35°	1596	1539	1601
40°	1589	1528	1591
45°	1575	1496	1557
50°	1561	1448	1499
55°	1534	1377	1413
60°	1486	1278	1300
65°	1421	1138	1160
70°	1342	987	978
75°	1164	774	785
80°	926	557	567
85°	552	323	374



TEST NUMBER: P395730

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	0.5
10°-20°	81.7	1.6
20°-30°	131.5	2.5
30°-40°	169.2	3.2
40°-50°	185.8	3.5
50°-60°	174.6	3.3
60°-70°	135.7	2.6
70°-80°	77.8	1.5
80°-90°	25.0	0.5
90°-100°	336.1	6.4
100°-110°	798.8	15.2
110°-120°	802.4	15.3
120°-130°	735.9	14.0
130°-140°	615.3	11.7
140°-150°	461.8	8.8
150°-160°	300.7	5.7
160°-170°	154.8	2.9
170°-180°	43.8	0.8
0°-30°	240.6	4.6
0°-40°	409.8	7.8
0°-60°	770.2	14.6
0°-90°	1008.7	19.2
90°-120°	1937.4	36.8
90°-150°	3750.4	71.3
90°-180°	4250.0	80.8
0°-180°	5258.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	286	286	286	286	286	
5°	290	288	288	286	284	28
15°	284	282	289	293	294	80
25°	268	271	286	297	301	124
35°	245	251	272	289	294	153
45°	211	222	244	262	267	163
55°	170	179	198	212	218	151
65°	119	126	137	149	153	118
75°	64	66	73	80	83	68
85°	13	16	21	27	28	15
90°	1	4	8	12	13	4
95°	45	376	386	52	44	45
105°	131	504	851	1050	1112	138
115°	216	568	893	1086	1155	213
125°	288	592	898	1076	1138	257
135°	349	590	858	1020	1080	269
145°	394	565	780	916	967	246
155°	422	518	678	776	814	195
165°	438	468	550	609	632	124
175°	442	441	446	451	451	42
180°	434	434	434	434	434	



TEST NUMBER: P395730

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4
2.5°	291.6	290.3	289.0	289.0	287.7	287.7	287.7	286.4	286.4	286.4	287.7
5°	290.3	290.3	289.0	287.7	287.7	287.7	286.4	286.4	286.4	286.4	287.7
7.5°	290.3	289.0	287.7	287.7	286.4	286.4	286.4	286.4	286.4	286.4	287.7
10°	287.7	287.7	286.4	286.4	285.1	286.4	286.4	286.4	286.4	286.4	289.0
12.5°	286.4	286.4	285.1	283.8	283.8	283.8	285.1	285.1	285.1	286.4	289.0
15°	283.8	283.8	282.5	282.5	282.5	282.5	283.8	283.8	285.1	286.4	289.0
17.5°	281.2	281.2	279.9	279.9	279.9	281.2	281.2	282.5	283.8	286.4	289.0
20°	277.3	277.3	277.3	277.3	277.3	278.6	278.6	279.9	282.5	285.1	289.0
22.5°	273.4	273.4	273.4	273.4	273.4	274.7	276.0	278.6	279.9	283.8	287.7
25°	268.3	268.3	268.3	268.3	269.6	270.8	272.1	274.7	277.3	281.2	286.4
27.5°	263.1	264.4	264.4	264.4	265.7	267.0	268.3	270.8	274.7	279.9	283.8
30°	257.9	257.9	257.9	259.2	260.5	261.8	264.4	267.0	270.8	276.0	281.2
32.5°	251.4	251.4	252.7	252.7	255.3	256.6	259.2	263.1	267.0	272.1	277.3
35°	244.9	244.9	244.9	247.5	248.8	251.4	252.7	256.6	261.8	267.0	272.1
37.5°	237.2	238.5	238.5	239.7	242.3	244.9	246.2	251.4	256.6	261.8	267.0
40°	229.4	230.7	230.7	232.0	235.9	237.2	239.7	244.9	248.8	255.3	260.5
42.5°	221.6	221.6	222.9	224.2	228.1	229.4	232.0	237.2	242.3	247.5	252.7
45°	211.2	212.5	213.8	215.1	219.0	221.6	224.2	228.1	233.3	238.5	243.6
47.5°	202.2	202.2	203.5	206.1	209.9	212.5	213.8	219.0	222.9	228.1	233.3
50°	191.8	193.1	193.1	195.7	199.6	202.2	203.5	208.6	212.5	217.7	222.9
52.5°	180.1	181.4	182.7	185.3	189.2	191.8	193.1	197.0	200.9	206.1	209.9
55°	169.8	171.1	171.1	173.7	177.5	178.8	181.4	184.0	189.2	193.1	198.3
57.5°	158.1	159.4	159.4	162.0	164.6	167.2	168.5	172.4	176.2	180.1	184.0
60°	145.1	146.4	147.7	149.0	151.6	154.2	155.5	158.1	162.0	165.9	169.8
62.5°	132.2	133.5	134.8	136.1	138.7	140.0	141.3	145.1	147.7	151.6	154.2
65°	119.2	120.5	121.8	123.1	124.4	125.7	127.0	129.6	132.2	136.1	137.4
67.5°	106.3	107.6	107.6	108.9	110.2	111.4	112.7	115.3	116.6	120.5	121.8
70°	93.3	93.3	93.3	94.6	94.6	95.9	97.2	99.8	101.1	103.7	106.3
72.5°	77.8	79.1	79.1	79.1	80.3	81.6	82.9	84.2	85.5	86.8	89.4
75°	63.5	64.8	63.5	64.8	66.1	66.1	67.4	68.7	70.0	71.3	72.6
77.5°	50.5	49.2	50.5	50.5	51.8	51.8	51.8	53.1	55.7	55.7	58.3
80°	36.3	36.3	36.3	36.3	37.6	37.6	38.9	38.9	41.5	42.8	44.1
82.5°	23.3	23.3	24.6	24.6	24.6	25.9	25.9	27.2	28.5	29.8	31.1
85°	13.0	13.0	13.0	14.3	14.3	15.6	15.6	16.8	18.1	19.4	20.7
87.5°	3.9	5.2	6.5	6.5	7.8	7.8	9.1	9.1	11.7	13.0	14.3
90°	1.3	1.3	2.6	2.6	2.6	3.9	3.9	5.2	5.2	6.5	7.8
92.5°	22.0	51.8	107.6	160.7	138.7	129.6	77.8	23.3	20.7	22.0	22.0
95°	45.4	85.5	156.8	254.0	329.2	375.8	406.9	466.5	527.4	517.1	386.2
97.5°	66.1	110.2	189.2	278.6	382.3	435.4	475.6	546.9	624.6	689.4	736.1
100°	86.8	132.2	216.4	309.7	405.6	453.6	500.2	597.4	673.9	738.7	800.9
102.5°	108.9	154.2	241.0	338.2	432.8	479.5	524.8	610.4	695.9	773.7	834.6
105°	130.9	177.5	263.1	362.9	457.5	504.1	548.2	629.8	708.9	781.4	851.4
107.5°	154.2	198.3	282.5	382.3	476.9	523.6	567.6	649.3	725.7	798.3	861.8
110°	174.9	217.7	302.0	400.4	495.0	541.7	585.8	667.4	742.6	811.2	873.5



TEST NUMBER: P395730

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	194.4	235.9	320.1	416.0	509.3	556.0	598.7	680.4	755.5	822.9	885.1
115°	216.4	252.7	338.2	430.2	522.3	567.6	610.4	690.7	765.9	832.0	892.9
117.5°	234.6	269.6	353.8	441.9	532.6	576.7	618.2	698.5	772.4	838.5	898.1
120°	252.7	285.1	368.0	452.3	540.4	583.2	624.6	703.7	777.6	842.4	900.7
122.5°	270.8	300.7	379.7	462.6	546.9	589.6	629.8	707.6	780.1	843.6	900.7
125°	287.7	313.6	390.1	470.4	550.8	592.2	631.1	707.6	778.9	841.1	898.1
127.5°	303.2	327.9	397.8	478.2	553.4	593.5	631.1	705.0	776.3	837.2	892.9
130°	318.8	340.8	405.6	482.1	556.0	592.2	628.5	699.8	769.8	830.7	883.8
132.5°	334.3	355.1	412.1	486.0	557.2	592.2	625.9	694.6	762.0	821.6	872.2
135°	348.6	365.5	418.6	488.6	556.0	589.6	620.7	685.5	750.3	808.7	857.9
137.5°	361.6	375.8	423.8	489.9	554.7	585.8	616.9	675.2	736.1	793.1	841.1
140°	373.2	386.2	426.4	489.9	549.5	580.6	609.1	664.8	720.5	775.0	821.6
142.5°	383.6	395.3	430.2	487.3	544.3	574.1	601.3	654.4	705.0	756.8	802.2
145°	394.0	403.0	432.8	486.0	537.8	565.0	590.9	641.5	690.7	737.4	780.1
147.5°	401.7	410.8	435.4	480.8	530.0	554.7	579.3	627.2	672.6	716.6	755.5
150°	409.5	417.3	436.7	475.6	521.0	543.0	565.0	610.4	654.4	694.6	730.9
152.5°	417.3	422.5	440.6	470.4	510.6	531.3	553.4	593.5	633.7	671.3	706.3
155°	422.5	426.4	441.9	465.2	500.2	518.4	536.5	574.1	610.4	645.4	677.8
157.5°	427.7	431.5	443.2	461.3	488.6	505.4	521.0	553.4	587.1	618.2	648.0
160°	431.5	434.1	443.2	458.8	478.2	489.9	504.1	533.9	562.4	589.6	615.6
162.5°	435.4	436.7	443.2	454.9	469.1	476.9	487.3	510.6	536.5	559.8	583.2
165°	438.0	439.3	443.2	452.3	461.3	467.8	473.0	489.9	509.3	530.0	549.5
167.5°	440.6	440.6	443.2	449.7	454.9	458.8	462.6	471.7	484.7	500.2	514.5
170°	441.9	441.9	443.2	447.1	451.0	452.3	454.9	460.1	466.5	474.3	483.4
172.5°	441.9	441.9	441.9	444.5	445.8	445.8	445.8	448.4	452.3	457.5	461.3
175°	441.9	440.6	440.6	441.9	440.6	440.6	440.6	440.6	441.9	444.5	445.8
177.5°	441.9	440.6	439.3	439.3	438.0	438.0	436.7	436.7	436.7	436.7	436.7
180°	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1



TEST NUMBER: P395730

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4	286.4
2.5°	287.7	287.7	286.4	285.1	285.1	285.1	283.8	282.5	281.2	281.2
5°	287.7	287.7	286.4	286.4	286.4	286.4	285.1	285.1	283.8	283.8
7.5°	289.0	287.7	287.7	287.7	287.7	287.7	287.7	287.7	286.4	286.4
10°	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0
12.5°	290.3	290.3	290.3	290.3	291.6	291.6	291.6	291.6	291.6	291.6
15°	290.3	291.6	292.9	292.9	292.9	294.2	294.2	294.2	294.2	294.2
17.5°	291.6	292.9	294.2	294.2	295.5	295.5	296.8	296.8	296.8	296.8
20°	291.6	292.9	294.2	295.5	296.8	296.8	298.1	299.4	299.4	298.1
22.5°	290.3	292.9	294.2	295.5	296.8	298.1	299.4	300.7	300.7	300.7
25°	289.0	291.6	294.2	296.8	296.8	298.1	300.7	300.7	300.7	300.7
27.5°	287.7	290.3	292.9	295.5	296.8	298.1	299.4	300.7	300.7	300.7
30°	285.1	289.0	291.6	294.2	295.5	296.8	298.1	299.4	299.4	299.4
32.5°	281.2	285.1	287.7	291.6	292.9	294.2	295.5	296.8	296.8	296.8
35°	277.3	281.2	283.8	287.7	289.0	290.3	292.9	292.9	294.2	294.2
37.5°	270.8	276.0	278.6	282.5	283.8	285.1	287.7	289.0	289.0	289.0
40°	264.4	269.6	272.1	276.0	277.3	278.6	281.2	282.5	283.8	283.8
42.5°	256.6	261.8	264.4	268.3	269.6	270.8	273.4	274.7	276.0	276.0
45°	248.8	252.7	255.3	259.2	261.8	261.8	264.4	265.7	267.0	267.0
47.5°	238.5	242.3	244.9	248.8	251.4	252.7	254.0	255.3	256.6	256.6
50°	226.8	230.7	234.6	237.2	239.7	239.7	242.3	243.6	244.9	244.9
52.5°	215.1	217.7	221.6	225.5	226.8	228.1	229.4	230.7	232.0	232.0
55°	202.2	204.8	208.6	211.2	212.5	213.8	215.1	216.4	217.7	217.7
57.5°	187.9	190.5	194.4	197.0	198.3	199.6	200.9	202.2	203.5	203.5
60°	172.4	174.9	178.8	181.4	182.7	182.7	185.3	186.6	186.6	186.6
62.5°	156.8	159.4	162.0	164.6	165.9	167.2	168.5	169.8	169.8	169.8
65°	141.3	143.8	146.4	147.7	149.0	149.0	150.3	151.6	152.9	152.9
67.5°	124.4	127.0	129.6	130.9	132.2	132.2	133.5	134.8	134.8	134.8
70°	107.6	108.9	111.4	112.7	114.0	114.0	116.6	116.6	116.6	116.6
72.5°	90.7	92.0	94.6	95.9	97.2	97.2	98.5	99.8	99.8	99.8
75°	75.2	76.5	77.8	80.3	80.3	80.3	81.6	82.9	82.9	82.9
77.5°	59.6	60.9	62.2	63.5	64.8	64.8	66.1	67.4	67.4	67.4
80°	45.4	46.7	47.9	49.2	49.2	50.5	50.5	51.8	51.8	51.8
82.5°	32.4	33.7	35.0	36.3	37.6	37.6	38.9	40.2	40.2	38.9
85°	22.0	24.6	25.9	27.2	27.2	27.2	28.5	29.8	29.8	28.5
87.5°	15.6	15.6	16.8	18.1	18.1	19.4	19.4	20.7	20.7	20.7
90°	9.1	9.1	10.4	10.4	11.7	11.7	11.7	13.0	13.0	13.0
92.5°	22.0	22.0	23.3	23.3	23.3	23.3	24.6	24.6	24.6	24.6
95°	235.9	106.3	89.4	54.4	51.8	45.4	44.1	45.4	45.4	44.1
97.5°	791.8	847.5	882.5	899.4	878.6	856.6	832.0	828.1	794.4	719.2
100°	854.0	898.1	940.8	970.6	982.3	992.7	1016.0	1030.3	1036.7	1043.2
102.5°	885.1	931.8	969.4	1006.9	1022.5	1036.7	1057.5	1074.3	1080.8	1086.0
105°	912.3	960.3	1001.8	1035.4	1049.7	1062.7	1083.4	1098.9	1110.6	1111.9
107.5°	918.8	969.4	1016.0	1057.5	1074.3	1088.6	1113.2	1124.9	1135.2	1135.2
110°	930.5	978.4	1021.2	1058.8	1075.6	1092.5	1118.4	1136.5	1146.9	1149.5



TEST NUMBER: P395730

CATALOG NUMBER: I3-UL-50L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	939.5	988.8	1029.0	1066.5	1080.8	1096.4	1121.0	1137.8	1146.9	1150.8
115°	947.3	995.3	1035.4	1070.4	1086.0	1101.5	1126.2	1140.4	1150.8	1154.7
117.5°	952.5	999.2	1039.3	1071.7	1088.6	1101.5	1124.9	1140.4	1150.8	1152.1
120°	953.8	1000.5	1039.3	1071.7	1086.0	1100.2	1123.6	1139.1	1149.5	1149.5
122.5°	953.8	999.2	1038.0	1069.1	1082.1	1095.1	1117.1	1135.2	1144.3	1144.3
125°	948.6	994.0	1031.6	1062.7	1075.6	1087.3	1110.6	1127.5	1136.5	1137.8
127.5°	940.8	984.9	1022.5	1053.6	1066.5	1076.9	1101.5	1117.1	1126.2	1127.5
130°	930.5	974.5	1010.8	1040.6	1053.6	1065.3	1086.0	1102.8	1113.2	1115.8
132.5°	918.8	960.3	996.6	1025.1	1038.0	1048.4	1069.1	1086.0	1095.1	1098.9
135°	904.6	943.4	978.4	1006.9	1019.9	1030.3	1049.7	1066.5	1075.6	1079.5
137.5°	886.4	924.0	957.7	986.2	997.9	1008.2	1027.7	1043.2	1051.0	1056.2
140°	865.7	900.7	935.7	961.6	973.2	983.6	1000.5	1017.3	1025.1	1029.0
142.5°	843.6	878.6	909.7	935.7	946.0	956.4	973.2	988.8	996.6	997.9
145°	820.3	854.0	882.5	907.1	916.2	926.6	942.1	957.7	965.5	966.8
147.5°	794.4	825.5	852.7	876.0	886.4	894.2	908.4	922.7	930.5	931.8
150°	764.6	793.1	817.7	841.1	850.1	857.9	873.5	886.4	894.2	895.5
152.5°	736.1	763.3	784.0	804.8	813.8	821.6	834.6	847.5	855.3	856.6
155°	706.3	730.9	751.6	768.5	776.3	784.0	794.4	806.1	812.5	813.8
157.5°	675.2	698.5	716.6	732.2	740.0	746.5	755.5	765.9	769.8	772.4
160°	641.5	660.9	676.5	692.0	698.5	705.0	714.1	721.8	727.0	728.3
162.5°	605.2	622.0	635.0	649.3	653.1	658.3	667.4	675.2	679.1	680.4
165°	567.6	583.2	594.8	606.5	609.1	613.0	619.5	627.2	629.8	632.4
167.5°	530.0	543.0	550.8	561.1	565.0	567.6	574.1	579.3	581.9	583.2
170°	493.7	502.8	509.3	517.1	518.4	522.3	526.1	531.3	532.6	532.6
172.5°	465.2	469.1	473.0	475.6	476.9	478.2	480.8	482.1	482.1	482.1
175°	447.1	449.7	449.7	451.0	451.0	451.0	451.0	451.0	451.0	451.0
177.5°	436.7	436.7	436.7	435.4	435.4	435.4	435.4	434.1	434.1	434.1
180°	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1

(END OF REPORT)