

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: P395722

Luminaire Tested: **I3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395722
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-40L93050-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, OPEN TOP
4000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 3000K/5000K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3771.4 lumens
Efficiency: N/A
Efficacy: 129.6 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

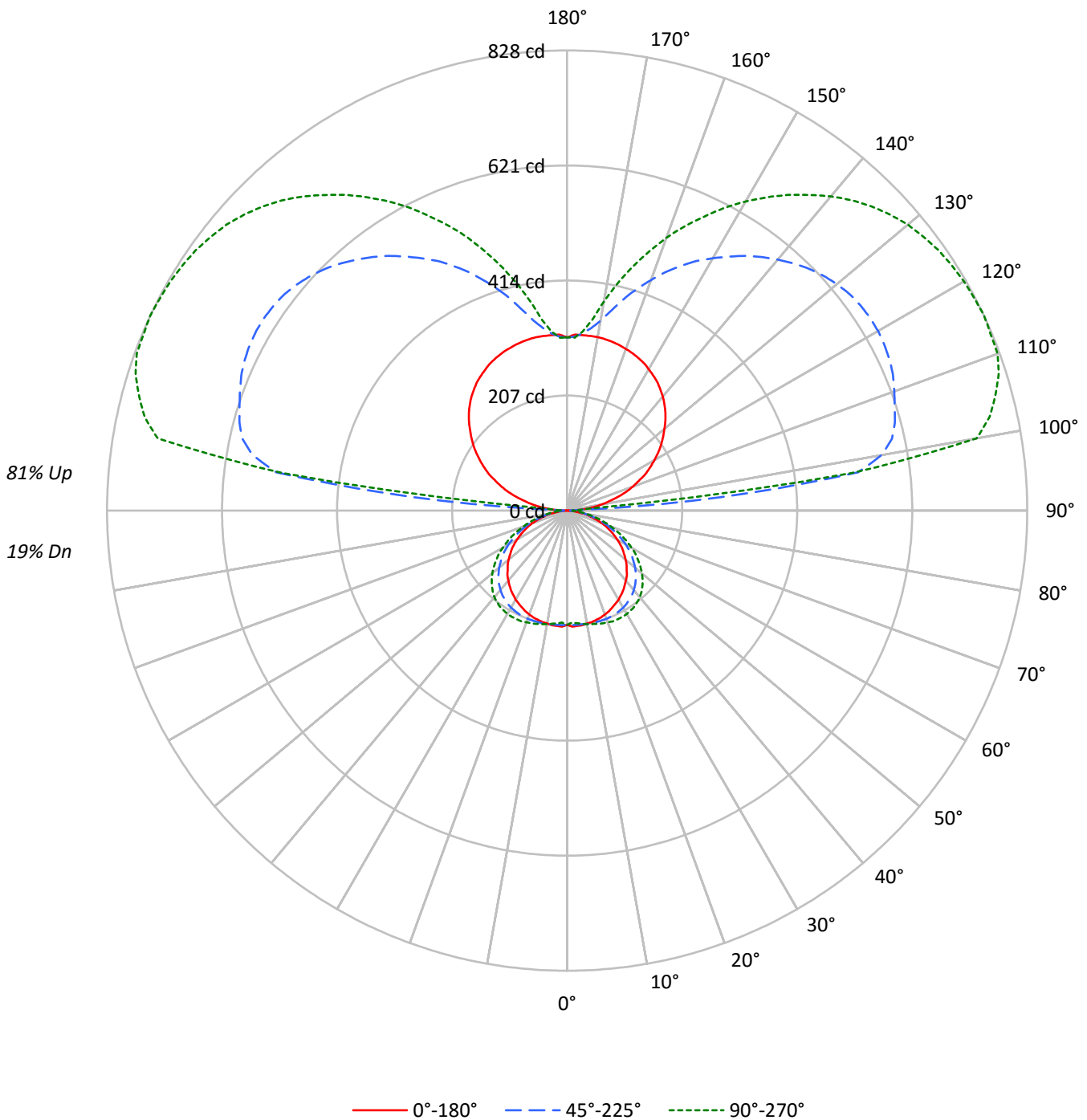
Input Watts (W): 29.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1129	1129	1129
5°	1144	1112	1091
10°	1143	1105	1093
15°	1145	1101	1102
20°	1146	1106	1115
25°	1144	1108	1132
30°	1146	1110	1143
35°	1145	1104	1148
40°	1140	1096	1141
45°	1130	1073	1116
50°	1120	1038	1075
55°	1100	988	1013
60°	1066	917	932
65°	1019	816	832
70°	963	708	702
75°	834	554	563
80°	663	399	407
85°	395	233	267



TEST NUMBER: P395722

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.5
10°-20°	58.6	1.6
20°-30°	94.3	2.5
30°-40°	121.3	3.2
40°-50°	133.3	3.5
50°-60°	125.3	3.3
60°-70°	97.3	2.6
70°-80°	55.8	1.5
80°-90°	17.9	0.5
90°-100°	241.1	6.4
100°-110°	572.9	15.2
110°-120°	575.5	15.3
120°-130°	527.8	14.0
130°-140°	441.3	11.7
140°-150°	331.2	8.8
150°-160°	215.6	5.7
160°-170°	111.0	2.9
170°-180°	31.4	0.8
0°-30°	172.5	4.6
0°-40°	293.9	7.8
0°-60°	552.4	14.6
0°-90°	723.4	19.2
90°-120°	1389.5	36.8
90°-150°	2689.9	71.3
90°-180°	3048.0	80.8
0°-180°	3771.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	205	205	205	205	205	
5°	208	206	206	205	204	20
15°	204	203	207	210	211	58
25°	192	194	205	213	216	89
35°	176	180	195	207	211	110
45°	152	159	175	188	192	117
55°	122	128	142	152	156	109
65°	86	90	98	107	110	85
75°	46	47	52	58	60	48
85°	9	11	15	20	20	11
90°	1	3	6	8	9	3
95°	32	270	277	37	32	32
105°	94	362	611	753	798	99
115°	155	407	640	779	828	153
125°	206	425	644	771	816	184
135°	250	423	615	732	774	193
145°	283	405	560	657	693	177
155°	303	372	486	557	584	140
165°	314	336	394	437	454	89
175°	317	316	320	323	323	30
180°	311	311	311	311	311	



TEST NUMBER: P395722

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	209.1	208.2	207.3	207.3	206.3	206.3	206.3	205.4	205.4	205.4	206.3
5°	208.2	208.2	207.3	206.3	206.3	206.3	205.4	205.4	205.4	205.4	206.3
7.5°	208.2	207.3	206.3	206.3	205.4	205.4	205.4	205.4	205.4	205.4	206.3
10°	206.3	206.3	205.4	205.4	204.5	205.4	205.4	205.4	205.4	205.4	207.3
12.5°	205.4	205.4	204.5	203.5	203.5	203.5	204.5	204.5	204.5	205.4	207.3
15°	203.5	203.5	202.6	202.6	202.6	202.6	203.5	203.5	204.5	205.4	207.3
17.5°	201.7	201.7	200.8	200.8	200.8	201.7	201.7	202.6	203.5	205.4	207.3
20°	198.9	198.9	198.9	198.9	198.9	199.8	199.8	200.8	202.6	204.5	207.3
22.5°	196.1	196.1	196.1	196.1	196.1	197.0	198.0	199.8	200.8	203.5	206.3
25°	192.4	192.4	192.4	192.4	193.3	194.3	195.2	197.0	198.9	201.7	205.4
27.5°	188.7	189.6	189.6	189.6	190.5	191.5	192.4	194.3	197.0	200.8	203.5
30°	185.0	185.0	185.0	185.9	186.8	187.7	189.6	191.5	194.3	198.0	201.7
32.5°	180.3	180.3	181.2	181.2	183.1	184.0	185.9	188.7	191.5	195.2	198.9
35°	175.7	175.7	175.7	177.5	178.5	180.3	181.2	184.0	187.7	191.5	195.2
37.5°	170.1	171.0	171.0	171.9	173.8	175.7	176.6	180.3	184.0	187.7	191.5
40°	164.5	165.4	165.4	166.4	169.2	170.1	171.9	175.7	178.5	183.1	186.8
42.5°	158.9	158.9	159.9	160.8	163.6	164.5	166.4	170.1	173.8	177.5	181.2
45°	151.5	152.4	153.4	154.3	157.1	158.9	160.8	163.6	167.3	171.0	174.7
47.5°	145.0	145.0	145.9	147.8	150.6	152.4	153.4	157.1	159.9	163.6	167.3
50°	137.6	138.5	138.5	140.3	143.1	145.0	145.9	149.6	152.4	156.1	159.9
52.5°	129.2	130.1	131.1	132.9	135.7	137.6	138.5	141.3	144.1	147.8	150.6
55°	121.8	122.7	122.7	124.5	127.3	128.3	130.1	132.0	135.7	138.5	142.2
57.5°	113.4	114.3	114.3	116.2	118.0	119.9	120.8	123.6	126.4	129.2	132.0
60°	104.1	105.0	106.0	106.9	108.7	110.6	111.5	113.4	116.2	119.0	121.8
62.5°	94.8	95.7	96.7	97.6	99.5	100.4	101.3	104.1	106.0	108.7	110.6
65°	85.5	86.4	87.4	88.3	89.2	90.2	91.1	92.9	94.8	97.6	98.5
67.5°	76.2	77.1	77.1	78.1	79.0	79.9	80.9	82.7	83.7	86.4	87.4
70°	66.9	66.9	66.9	67.8	67.8	68.8	69.7	71.6	72.5	74.4	76.2
72.5°	55.8	56.7	56.7	56.7	57.6	58.6	59.5	60.4	61.3	62.3	64.1
75°	45.5	46.5	45.5	46.5	47.4	47.4	48.3	49.3	50.2	51.1	52.0
77.5°	36.2	35.3	36.2	36.2	37.2	37.2	37.2	38.1	40.0	40.0	41.8
80°	26.0	26.0	26.0	26.0	27.0	27.0	27.9	27.9	29.7	30.7	31.6
82.5°	16.7	16.7	17.7	17.7	17.7	18.6	18.6	19.5	20.4	21.4	22.3
85°	9.3	9.3	9.3	10.2	10.2	11.2	11.2	12.1	13.0	13.9	14.9
87.5°	2.8	3.7	4.6	4.6	5.6	5.6	6.5	6.5	8.4	9.3	10.2
90°	0.9	0.9	1.9	1.9	1.9	2.8	2.8	3.7	3.7	4.6	5.6
92.5°	15.8	37.2	77.1	115.3	99.5	92.9	55.8	16.7	14.9	15.8	15.8
95°	32.5	61.3	112.5	182.2	236.1	269.5	291.8	334.6	378.3	370.9	277.0
97.5°	47.4	79.0	135.7	199.8	274.2	312.3	341.1	392.2	448.0	494.5	527.9
100°	62.3	94.8	155.2	222.1	290.9	325.3	358.8	428.5	483.3	529.8	574.4
102.5°	78.1	110.6	172.9	242.6	310.4	343.9	376.4	437.8	499.1	554.9	598.6
105°	93.9	127.3	188.7	260.2	328.1	361.6	393.2	451.7	508.4	560.5	610.6
107.5°	110.6	142.2	202.6	274.2	342.0	375.5	407.1	465.7	520.5	572.5	618.1
110°	125.5	156.1	216.6	287.2	355.1	388.5	420.1	478.7	532.6	581.8	626.5



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CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	139.4	169.2	229.6	298.4	365.3	398.7	429.4	488.0	541.9	590.2	634.8
115°	155.2	181.2	242.6	308.6	374.6	407.1	437.8	495.4	549.3	596.7	640.4
117.5°	168.2	193.3	253.7	316.9	382.0	413.6	443.3	501.0	554.0	601.4	644.1
120°	181.2	204.5	264.0	324.4	387.6	418.3	448.0	504.7	557.7	604.1	646.0
122.5°	194.3	215.6	272.3	331.8	392.2	422.9	451.7	507.5	559.5	605.1	646.0
125°	206.3	224.9	279.8	337.4	395.0	424.8	452.6	507.5	558.6	603.2	644.1
127.5°	217.5	235.2	285.3	343.0	396.9	425.7	452.6	505.6	556.7	600.4	640.4
130°	228.6	244.4	290.9	345.8	398.7	424.8	450.8	501.9	552.1	595.8	633.9
132.5°	239.8	254.7	295.6	348.5	399.7	424.8	448.9	498.2	546.5	589.3	625.5
135°	250.0	262.1	300.2	350.4	398.7	422.9	445.2	491.7	538.2	580.0	615.3
137.5°	259.3	269.5	303.9	351.3	397.8	420.1	442.4	484.2	527.9	568.8	603.2
140°	267.7	277.0	305.8	351.3	394.1	416.4	436.8	476.8	516.8	555.8	589.3
142.5°	275.1	283.5	308.6	349.5	390.4	411.7	431.3	469.4	505.6	542.8	575.3
145°	282.6	289.1	310.4	348.5	385.7	405.2	423.8	460.1	495.4	528.9	559.5
147.5°	288.1	294.6	312.3	344.8	380.1	397.8	415.5	449.9	482.4	514.0	541.9
150°	293.7	299.3	313.2	341.1	373.6	389.4	405.2	437.8	469.4	498.2	524.2
152.5°	299.3	303.0	316.0	337.4	366.2	381.1	396.9	425.7	454.5	481.5	506.6
155°	303.0	305.8	316.9	333.7	358.8	371.8	384.8	411.7	437.8	462.9	486.1
157.5°	306.7	309.5	317.9	330.9	350.4	362.5	373.6	396.9	421.0	443.3	464.7
160°	309.5	311.4	317.9	329.0	343.0	351.3	361.6	382.9	403.4	422.9	441.5
162.5°	312.3	313.2	317.9	326.2	336.5	342.0	349.5	366.2	384.8	401.5	418.3
165°	314.2	315.1	317.9	324.4	330.9	335.5	339.2	351.3	365.3	380.1	394.1
167.5°	316.0	316.0	317.9	322.5	326.2	329.0	331.8	338.3	347.6	358.8	369.0
170°	316.9	316.9	317.9	320.7	323.4	324.4	326.2	330.0	334.6	340.2	346.7
172.5°	316.9	316.9	316.9	318.8	319.7	319.7	319.7	321.6	324.4	328.1	330.9
175°	316.9	316.0	316.0	316.9	316.0	316.0	316.0	316.0	316.9	318.8	319.7
177.5°	316.9	316.0	315.1	315.1	314.2	314.2	313.2	313.2	313.2	313.2	313.2
180°	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4



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CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4	205.4
2.5°	206.3	206.3	205.4	204.5	204.5	204.5	203.5	202.6	201.7	201.7
5°	206.3	206.3	205.4	205.4	205.4	205.4	204.5	204.5	203.5	203.5
7.5°	207.3	206.3	206.3	206.3	206.3	206.3	206.3	206.3	205.4	205.4
10°	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3
12.5°	208.2	208.2	208.2	208.2	209.1	209.1	209.1	209.1	209.1	209.1
15°	208.2	209.1	210.1	210.1	210.1	211.0	211.0	211.0	211.0	211.0
17.5°	209.1	210.1	211.0	211.0	211.9	211.9	212.8	212.8	212.8	212.8
20°	209.1	210.1	211.0	211.9	212.8	212.8	213.8	214.7	214.7	213.8
22.5°	208.2	210.1	211.0	211.9	212.8	213.8	214.7	215.6	215.6	215.6
25°	207.3	209.1	211.0	212.8	212.8	213.8	215.6	215.6	215.6	215.6
27.5°	206.3	208.2	210.1	211.9	212.8	213.8	214.7	215.6	215.6	215.6
30°	204.5	207.3	209.1	211.0	211.9	212.8	213.8	214.7	214.7	214.7
32.5°	201.7	204.5	206.3	209.1	210.1	211.0	211.9	212.8	212.8	212.8
35°	198.9	201.7	203.5	206.3	207.3	208.2	210.1	210.1	211.0	211.0
37.5°	194.3	198.0	199.8	202.6	203.5	204.5	206.3	207.3	207.3	207.3
40°	189.6	193.3	195.2	198.0	198.9	199.8	201.7	202.6	203.5	203.5
42.5°	184.0	187.7	189.6	192.4	193.3	194.3	196.1	197.0	198.0	198.0
45°	178.5	181.2	183.1	185.9	187.7	187.7	189.6	190.5	191.5	191.5
47.5°	171.0	173.8	175.7	178.5	180.3	181.2	182.2	183.1	184.0	184.0
50°	162.7	165.4	168.2	170.1	171.9	171.9	173.8	174.7	175.7	175.7
52.5°	154.3	156.1	158.9	161.7	162.7	163.6	164.5	165.4	166.4	166.4
55°	145.0	146.9	149.6	151.5	152.4	153.4	154.3	155.2	156.1	156.1
57.5°	134.8	136.6	139.4	141.3	142.2	143.1	144.1	145.0	145.9	145.9
60°	123.6	125.5	128.3	130.1	131.1	131.1	132.9	133.8	133.8	133.8
62.5°	112.5	114.3	116.2	118.0	119.0	119.9	120.8	121.8	121.8	121.8
65°	101.3	103.2	105.0	106.0	106.9	106.9	107.8	108.7	109.7	109.7
67.5°	89.2	91.1	92.9	93.9	94.8	94.8	95.7	96.7	96.7	96.7
70°	77.1	78.1	79.9	80.9	81.8	81.8	83.7	83.7	83.7	83.7
72.5°	65.1	66.0	67.8	68.8	69.7	69.7	70.6	71.6	71.6	71.6
75°	53.9	54.8	55.8	57.6	57.6	57.6	58.6	59.5	59.5	59.5
77.5°	42.8	43.7	44.6	45.5	46.5	46.5	47.4	48.3	48.3	48.3
80°	32.5	33.5	34.4	35.3	35.3	36.2	36.2	37.2	37.2	37.2
82.5°	23.2	24.2	25.1	26.0	27.0	27.0	27.9	28.8	28.8	27.9
85°	15.8	17.7	18.6	19.5	19.5	19.5	20.4	21.4	21.4	20.4
87.5°	11.2	11.2	12.1	13.0	13.0	13.9	13.9	14.9	14.9	14.9
90°	6.5	6.5	7.4	7.4	8.4	8.4	8.4	9.3	9.3	9.3
92.5°	15.8	15.8	16.7	16.7	16.7	16.7	17.7	17.7	17.7	17.7
95°	169.2	76.2	64.1	39.0	37.2	32.5	31.6	32.5	32.5	31.6
97.5°	567.9	607.9	633.0	645.0	630.2	614.4	596.7	593.9	569.8	515.8
100°	612.5	644.1	674.8	696.2	704.5	712.0	728.7	738.9	743.6	748.2
102.5°	634.8	668.3	695.2	722.2	733.3	743.6	758.4	770.5	775.2	778.9
105°	654.3	688.7	718.5	742.6	752.9	762.2	777.0	788.2	796.5	797.5
107.5°	659.0	695.2	728.7	758.4	770.5	780.7	798.4	806.8	814.2	814.2
110°	667.3	701.7	732.4	759.4	771.4	783.5	802.1	815.1	822.6	824.4



TEST NUMBER: P395722

CATALOG NUMBER: I3-UL-40L93050-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	673.9	709.2	738.0	764.9	775.2	786.3	804.0	816.1	822.6	825.4
115°	679.4	713.8	742.6	767.7	778.9	790.0	807.7	817.9	825.4	828.1
117.5°	683.1	716.6	745.4	768.7	780.7	790.0	806.8	817.9	825.4	826.3
120°	684.1	717.5	745.4	768.7	778.9	789.1	805.8	817.0	824.4	824.4
122.5°	684.1	716.6	744.5	766.8	776.1	785.4	801.2	814.2	820.7	820.7
125°	680.4	712.9	739.8	762.2	771.4	779.8	796.5	808.6	815.1	816.1
127.5°	674.8	706.4	733.3	755.6	764.9	772.4	790.0	801.2	807.7	808.6
130°	667.3	698.9	725.0	746.3	755.6	764.0	778.9	791.0	798.4	800.3
132.5°	659.0	688.7	714.7	735.2	744.5	751.9	766.8	778.9	785.4	788.2
135°	648.8	676.6	701.7	722.2	731.5	738.9	752.9	764.9	771.4	774.2
137.5°	635.7	662.7	686.9	707.3	715.7	723.1	737.1	748.2	753.8	757.5
140°	620.9	646.0	671.1	689.7	698.0	705.5	717.5	729.6	735.2	738.0
142.5°	605.1	630.2	652.5	671.1	678.5	685.9	698.0	709.2	714.7	715.7
145°	588.3	612.5	633.0	650.6	657.1	664.6	675.7	686.9	692.4	693.4
147.5°	569.8	592.1	611.6	628.3	635.7	641.3	651.5	661.8	667.3	668.3
150°	548.4	568.8	586.5	603.2	609.7	615.3	626.5	635.7	641.3	642.3
152.5°	527.9	547.4	562.3	577.2	583.7	589.3	598.6	607.9	613.4	614.4
155°	506.6	524.2	539.1	551.2	556.7	562.3	569.8	578.1	582.8	583.7
157.5°	484.2	501.0	514.0	525.1	530.7	535.4	541.9	549.3	552.1	554.0
160°	460.1	474.0	485.2	496.3	501.0	505.6	512.1	517.7	521.4	522.4
162.5°	434.1	446.1	455.4	465.7	468.4	472.2	478.7	484.2	487.0	488.0
165°	407.1	418.3	426.6	435.0	436.8	439.6	444.3	449.9	451.7	453.6
167.5°	380.1	389.4	395.0	402.5	405.2	407.1	411.7	415.5	417.3	418.3
170°	354.1	360.6	365.3	370.9	371.8	374.6	377.4	381.1	382.0	382.0
172.5°	333.7	336.5	339.2	341.1	342.0	343.0	344.8	345.8	345.8	345.8
175°	320.7	322.5	322.5	323.4	323.4	323.4	323.4	323.4	323.4	323.4
177.5°	313.2	313.2	313.2	312.3	312.3	312.3	312.3	311.4	311.4	311.4
180°	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4	311.4

(END OF REPORT)