

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: P395845

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588.9 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.32
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')
CIE Type: Semi-Direct

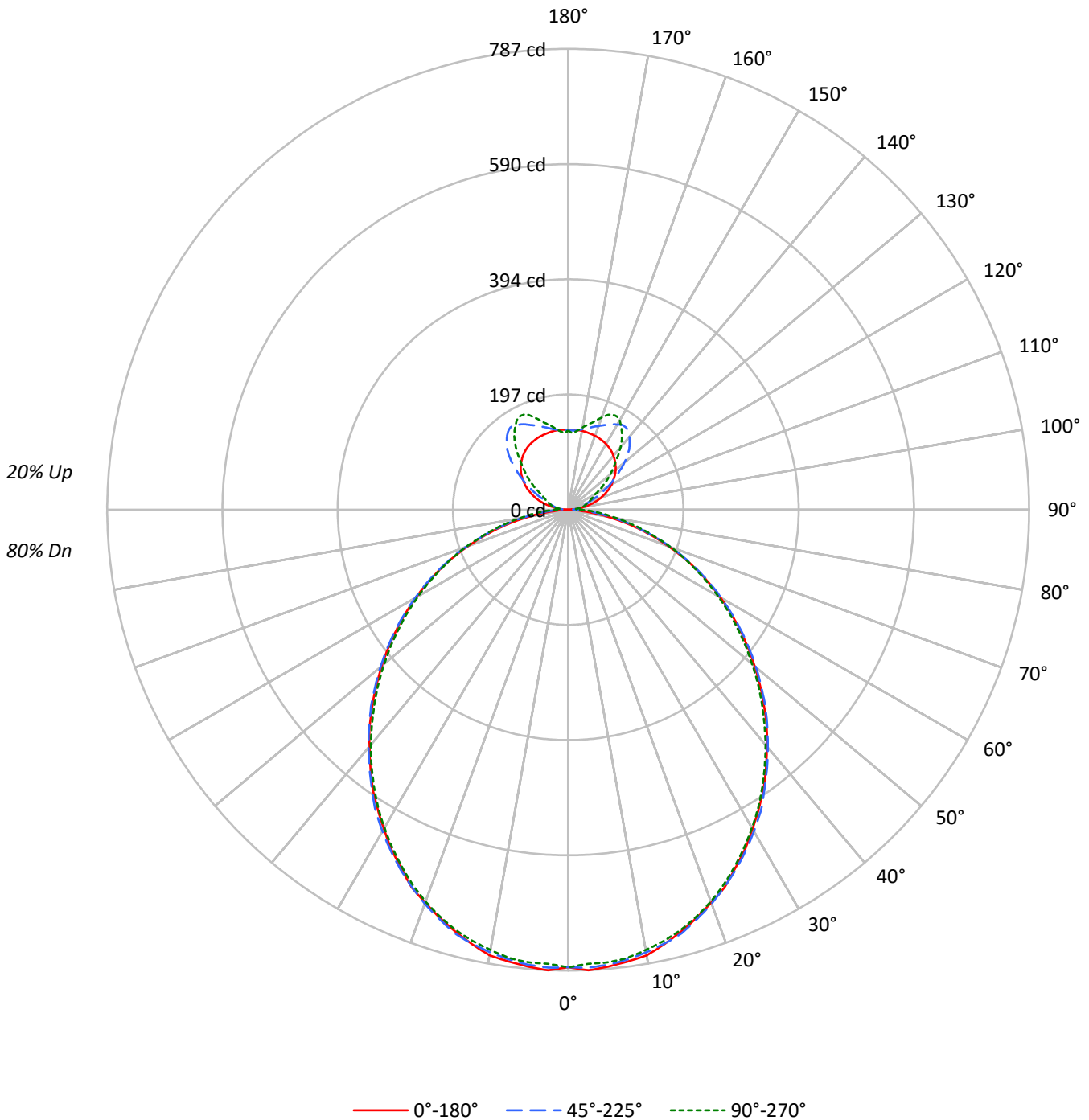
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	50	30	10	0														
RCR																																						
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80																				
1	104	100	96	92	99	95	92	88	87	85	82	80	78	76	73	72	70	67																				
2	95	87	80	75	90	83	78	73	77	72	68	70	67	63	65	62	59	56																				
3	87	77	69	62	82	73	66	61	68	62	57	62	57	53	57	53	50	47																				
4	79	68	59	53	75	65	57	52	60	54	49	55	50	46	51	47	43	40																				
5	73	61	52	46	69	58	50	44	54	47	42	50	44	40	46	41	38	35																				
6	67	55	46	40	64	53	45	39	49	42	37	45	39	35	42	37	33	31																				
7	62	49	41	35	59	48	40	34	44	38	33	41	35	31	38	33	30	27																				
8	58	45	37	31	55	43	36	31	41	34	29	38	32	28	35	30	26	24																				
9	54	41	33	28	52	40	33	27	37	31	26	35	29	25	32	28	24	22																				
10	51	38	30	25	49	37	30	25	34	28	24	32	27	23	30	25	22	20																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4295	4295	4295
5°	4306	4206	4161
10°	4281	4092	4025
15°	4195	3979	3882
20°	4113	3819	3714
25°	4014	3656	3529
30°	3899	3489	3339
35°	3791	3303	3143
40°	3655	3111	2940
45°	3524	2923	2725
50°	3384	2718	2509
55°	3237	2508	2288
60°	3073	2274	2059
65°	2884	2021	1815
70°	2616	1726	1559
75°	2254	1368	1251
80°	1719	985	934
85°	899	589	633



TEST NUMBER: P395845

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	2.9
10°-20°	209.4	8.1
20°-30°	310.1	12.0
30°-40°	362.4	14.0
40°-50°	364.0	14.1
50°-60°	319.9	12.4
60°-70°	239.7	9.3
70°-80°	136.3	5.3
80°-90°	43.1	1.7
90°-100°	15.5	0.6
100°-110°	37.8	1.5
110°-120°	62.8	2.4
120°-130°	88.1	3.4
130°-140°	101.6	3.9
140°-150°	97.0	3.7
150°-160°	72.9	2.8
160°-170°	41.3	1.6
170°-180°	13.1	0.5
0°-30°	593.3	22.9
0°-40°	955.7	36.9
0°-60°	1639.7	63.3
0°-90°	2058.8	79.5
90°-120°	116.1	4.5
90°-150°	402.8	15.6
90°-180°	530.0	20.5
0°-180°	2588.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	783	776	780	778	776	74
15°	746	739	749	744	743	210
25°	675	673	678	675	672	311
35°	582	577	584	579	578	363
45°	473	472	476	471	467	365
55°	358	360	361	356	352	320
65°	242	243	244	242	239	239
75°	123	125	128	132	132	130
85°	21	28	38	46	48	28
90°	1	4	12	18	20	2
95°	11	11	11	13	13	12
105°	44	38	28	30	30	46
115°	73	91	56	45	44	72
125°	96	132	100	80	74	86
135°	114	144	147	122	114	88
145°	126	143	172	165	160	79
155°	132	140	160	176	179	61
165°	136	138	145	151	153	38
175°	137	136	136	136	134	13
180°	135	135	135	135	135	



TEST NUMBER: P395845

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4
2.5°	787.4	786.1	782.8	779.5	778.8	778.1	778.1	777.5	777.5	778.8	782.8
5°	783.4	782.8	779.5	776.1	775.5	775.5	774.8	774.8	774.8	776.1	780.1
7.5°	778.1	776.8	773.5	770.2	769.5	769.5	769.5	768.9	769.5	770.2	774.8
10°	772.8	772.2	768.9	764.9	763.6	763.6	762.9	761.6	761.6	762.9	767.6
12.5°	759.6	759.0	755.7	753.0	753.0	753.7	753.7	754.3	754.3	755.7	759.0
15°	745.7	745.1	741.8	739.1	739.1	739.1	738.5	738.5	739.1	743.1	749.0
17.5°	730.5	729.9	727.2	724.6	724.6	724.6	723.9	723.9	724.6	726.6	732.5
20°	714.0	713.3	710.7	708.1	708.1	708.1	707.4	708.1	708.1	710.7	716.0
22.5°	698.1	696.8	693.5	690.9	689.5	689.5	689.5	688.9	690.2	692.2	697.5
25°	675.0	674.3	673.0	671.0	672.4	673.0	671.7	670.4	670.4	673.0	677.6
27.5°	653.8	652.5	650.5	648.6	647.2	647.9	648.6	649.9	651.9	652.5	656.5
30°	629.4	628.7	626.7	624.1	624.8	625.4	625.4	625.4	626.7	632.7	634.0
32.5°	605.6	604.9	602.9	600.3	601.0	601.6	601.0	601.6	602.9	605.6	611.5
35°	581.8	580.5	578.5	577.8	577.2	577.2	577.2	577.8	578.5	580.5	583.8
37.5°	554.7	553.4	552.0	550.0	551.4	552.7	553.4	552.7	553.4	556.0	557.3
40°	527.6	526.9	525.6	524.3	524.9	525.6	524.9	526.9	528.2	529.6	530.2
42.5°	501.8	500.5	499.1	498.5	498.5	499.1	499.1	500.5	500.5	503.8	503.1
45°	472.7	472.0	471.4	471.4	472.0	472.0	472.0	472.7	473.4	475.3	476.0
47.5°	444.3	443.6	443.6	443.6	443.6	444.3	444.9	446.9	445.6	446.3	446.9
50°	415.8	415.2	415.2	415.2	416.5	416.5	417.8	418.5	419.1	417.8	418.5
52.5°	386.8	386.1	387.4	387.4	388.7	388.7	390.7	388.7	390.1	389.4	389.4
55°	358.3	357.7	359.0	358.3	359.6	359.6	361.0	361.6	361.0	361.0	361.0
57.5°	329.2	328.6	329.2	329.9	330.6	330.6	332.5	332.5	330.6	331.9	331.2
60°	300.1	299.5	300.1	300.8	301.5	301.5	302.1	300.8	302.1	302.8	302.1
62.5°	271.1	270.4	271.7	271.1	271.7	272.4	272.4	274.4	273.7	273.7	273.0
65°	242.0	241.3	241.3	241.3	242.0	242.6	243.3	244.0	244.0	244.6	244.0
67.5°	212.2	211.6	212.2	211.6	212.2	212.9	214.2	214.9	214.9	215.5	214.9
70°	181.8	182.5	181.8	182.5	183.1	183.8	184.5	185.8	185.8	185.8	185.8
72.5°	152.1	151.4	151.4	150.7	152.1	152.7	153.4	155.4	155.4	156.0	156.0
75°	123.0	121.6	122.3	121.6	124.3	125.0	125.0	126.9	127.6	128.9	128.3
77.5°	94.5	94.5	93.2	95.2	95.9	97.2	98.5	99.8	100.5	102.5	102.5
80°	67.4	67.4	66.8	68.1	70.7	71.4	73.4	74.0	76.0	77.4	78.0
82.5°	43.0	43.0	43.0	45.0	46.9	47.6	49.6	51.6	52.9	54.9	55.5
85°	21.2	22.5	22.5	25.1	26.4	27.8	28.4	31.1	33.1	35.7	37.7
87.5°	6.6	7.3	7.9	9.3	11.9	12.6	13.9	16.5	18.5	21.2	23.1
90°	0.7	0.7	1.3	2.0	3.3	4.0	5.3	6.6	8.6	10.6	11.9
92.5°	4.6	4.6	5.3	5.3	5.3	5.3	5.3	6.0	6.6	7.9	8.6
95°	11.2	17.9	10.6	9.9	11.2	11.2	11.9	11.2	11.2	11.2	11.2
97.5°	18.5	33.1	21.8	15.2	14.5	15.2	15.2	16.5	17.2	17.9	17.9
100°	27.1	41.7	38.3	25.1	20.5	19.8	19.8	19.8	20.5	21.2	21.8
102.5°	35.7	47.6	54.9	39.0	29.1	26.4	25.1	24.5	23.8	24.5	24.5
105°	44.3	53.6	67.4	52.9	41.7	37.7	33.7	29.1	28.4	28.4	28.4
107.5°	52.2	59.5	76.7	68.8	54.2	50.2	45.6	38.3	33.7	33.1	32.4
110°	59.5	65.5	83.3	82.0	68.1	62.1	58.2	50.2	43.6	39.0	37.0



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	66.1	71.4	87.9	93.2	83.3	76.0	70.1	62.1	54.9	48.9	44.3
115°	72.7	77.4	91.9	102.5	96.5	90.6	84.0	74.0	66.8	60.8	55.5
117.5°	79.3	83.3	95.9	109.1	107.8	103.8	98.5	86.6	78.0	72.1	66.1
120°	85.3	89.3	99.8	113.7	117.7	114.4	111.1	100.5	89.9	83.3	78.0
122.5°	90.6	93.9	103.8	117.7	125.0	124.3	121.0	113.7	103.1	95.2	88.6
125°	95.9	99.2	107.8	120.3	130.2	132.2	130.9	125.0	117.0	107.8	99.8
127.5°	101.2	103.8	111.7	123.0	134.2	138.2	138.8	134.9	128.9	121.0	112.4
130°	105.8	108.4	115.0	125.0	136.9	141.5	144.1	143.5	138.8	133.5	125.0
132.5°	109.7	111.7	118.3	126.9	138.2	143.5	147.4	150.7	147.4	143.5	137.5
135°	113.7	115.7	121.0	128.9	138.8	144.1	149.4	154.7	155.4	152.1	147.4
137.5°	117.0	118.3	123.6	130.2	138.8	144.1	149.4	156.7	160.7	159.3	155.4
140°	120.3	121.6	125.6	132.2	139.5	144.1	148.8	157.3	162.6	164.6	162.6
142.5°	123.0	124.3	127.6	133.5	139.5	143.5	148.1	156.0	163.3	167.3	168.6
145°	125.6	126.3	129.6	134.2	139.5	142.8	146.8	154.7	162.0	167.9	171.9
147.5°	127.6	128.3	130.2	134.9	139.5	142.1	145.4	152.1	159.3	165.9	171.9
150°	129.6	129.6	131.6	134.9	139.5	141.5	144.1	150.1	156.0	162.6	167.9
152.5°	130.9	130.9	132.9	135.5	138.8	140.8	143.5	148.1	153.4	159.3	164.6
155°	132.2	132.2	133.5	135.5	138.8	140.2	142.1	146.1	150.7	155.4	160.0
157.5°	133.5	133.5	134.2	136.2	138.2	139.5	141.5	144.8	148.1	152.1	156.0
160°	134.2	134.2	134.9	136.2	137.5	138.8	140.2	142.8	146.1	148.8	152.1
162.5°	134.9	134.9	135.5	136.2	137.5	138.2	138.8	141.5	143.5	146.1	148.8
165°	135.5	135.5	135.5	136.2	136.9	137.5	138.2	139.5	141.5	143.5	145.4
167.5°	136.2	136.2	136.2	136.2	136.9	136.9	137.5	138.2	139.5	140.8	142.1
170°	136.9	136.2	136.2	136.9	136.2	136.2	136.9	137.5	137.5	138.8	139.5
172.5°	136.9	136.9	136.2	136.2	136.2	136.2	136.2	136.2	136.2	136.9	137.5
175°	136.9	136.9	136.2	136.2	136.2	135.5	135.5	135.5	135.5	135.5	135.5
177.5°	136.9	136.9	136.2	136.2	135.5	135.5	135.5	135.5	135.5	135.5	135.5
180°	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4	781.4
2.5°	786.7	783.4	782.1	781.4	780.8	780.1	778.8	777.5	776.1	776.1
5°	783.4	780.1	778.8	778.1	777.5	776.8	776.1	776.1	776.1	776.1
7.5°	778.1	774.8	773.5	772.8	772.8	772.2	772.2	772.2	771.5	772.2
10°	770.2	766.9	766.2	765.6	764.9	763.6	763.6	763.6	762.9	763.6
12.5°	760.3	757.0	756.3	755.7	755.0	754.3	754.3	753.7	753.7	754.3
15°	750.4	745.7	744.4	744.4	743.8	743.1	743.8	743.1	743.1	743.1
17.5°	735.8	733.8	731.9	730.5	729.9	729.2	729.2	728.5	728.5	728.5
20°	716.6	716.6	716.6	713.3	712.7	712.0	712.0	712.0	712.0	712.0
22.5°	698.1	694.8	697.5	695.5	694.2	692.8	693.5	693.5	693.5	693.5
25°	677.6	675.0	675.7	676.3	675.0	673.0	673.0	673.0	673.0	672.4
27.5°	655.8	653.8	653.2	653.8	655.2	653.8	651.9	649.9	650.5	650.5
30°	632.0	631.4	630.7	629.4	630.7	631.4	628.1	627.4	627.4	627.4
32.5°	608.2	607.6	605.6	604.3	604.9	606.2	604.9	603.6	603.6	603.6
35°	584.4	581.8	579.8	579.1	579.1	580.5	579.8	577.8	577.8	577.8
37.5°	556.7	557.3	554.0	553.4	553.4	553.4	554.7	551.4	552.0	551.4
40°	529.6	530.2	528.2	526.2	526.9	525.6	527.6	524.3	524.3	524.3
42.5°	502.4	501.1	501.8	497.8	498.5	498.5	499.1	497.2	496.5	495.8
45°	474.7	473.4	472.7	470.7	470.7	470.1	470.1	467.4	467.4	467.4
47.5°	445.6	444.9	443.6	442.3	442.3	441.6	440.3	439.6	439.0	439.0
50°	417.8	415.8	413.9	414.5	413.9	413.2	411.9	411.2	410.6	409.9
52.5°	388.1	388.1	385.4	385.4	385.4	384.8	383.4	382.1	382.1	381.5
55°	359.0	358.3	356.3	355.7	356.3	355.7	354.4	353.0	353.0	352.4
57.5°	329.9	328.6	327.9	327.9	327.3	327.3	325.3	323.9	324.6	323.9
60°	300.1	300.1	299.5	298.8	298.8	298.2	296.2	296.2	296.2	295.5
62.5°	271.7	271.7	270.4	269.7	270.4	269.7	269.1	268.4	267.8	267.1
65°	242.0	242.6	241.3	242.0	242.0	240.6	240.6	240.0	240.0	239.3
67.5°	214.2	214.2	213.5	213.5	214.2	213.5	213.5	212.9	212.9	212.2
70°	185.8	187.1	186.4	186.4	186.4	185.8	185.8	185.8	185.1	185.8
72.5°	157.3	157.3	157.3	157.3	157.3	158.0	158.0	158.0	158.0	157.3
75°	130.9	131.6	130.9	131.6	132.2	132.2	132.2	132.2	132.9	132.2
77.5°	105.1	105.8	105.8	107.1	107.1	107.1	107.8	107.8	107.8	107.8
80°	80.7	81.3	82.0	83.3	83.3	84.6	85.3	85.3	85.3	85.3
82.5°	58.2	60.2	60.8	62.8	63.5	63.5	64.8	65.5	65.5	65.5
85°	40.3	42.3	43.6	45.0	46.3	46.3	47.6	47.6	48.3	48.3
87.5°	25.1	27.1	28.4	30.4	31.1	31.7	32.4	33.1	33.7	33.7
90°	13.9	15.2	16.5	17.9	17.9	18.5	19.2	19.8	20.5	20.5
92.5°	9.9	10.6	11.9	12.6	12.6	13.2	13.9	13.9	14.5	14.5
95°	11.2	11.9	11.9	12.6	12.6	12.6	13.2	13.2	13.2	13.2
97.5°	17.2	17.2	17.2	16.5	16.5	16.5	16.5	16.5	16.5	16.5
100°	22.5	23.1	23.1	23.1	23.8	23.8	23.8	23.8	23.1	23.1
102.5°	25.1	25.8	26.4	27.1	27.1	27.1	27.8	27.8	27.8	27.8
105°	28.4	28.4	29.1	29.8	29.8	29.8	30.4	30.4	30.4	30.4
107.5°	32.4	32.4	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
110°	37.0	37.0	37.0	36.4	37.0	36.4	36.4	36.4	36.4	36.4



TEST NUMBER: P395845

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	42.3	41.7	41.7	41.0	41.0	41.0	40.3	40.3	40.3	40.3
115°	50.9	47.6	46.3	45.0	45.0	45.0	44.3	44.3	44.3	44.3
117.5°	61.5	56.9	54.2	51.6	50.9	50.2	48.9	48.9	48.3	48.3
120°	72.7	68.1	64.1	60.8	59.5	58.8	56.9	55.5	54.2	54.2
122.5°	83.3	78.7	74.7	71.4	70.1	68.8	66.8	65.5	64.1	64.1
125°	93.9	89.3	85.3	82.0	80.0	78.7	76.7	75.4	74.0	74.0
127.5°	105.1	99.2	95.2	91.9	89.9	89.3	86.6	85.3	84.0	84.0
130°	117.7	110.4	105.1	101.2	99.8	98.5	96.5	95.2	93.9	93.9
132.5°	130.2	123.0	117.0	111.7	109.7	108.4	105.8	104.5	103.1	103.1
135°	142.1	135.5	129.6	124.3	122.3	120.3	117.7	115.0	113.7	113.7
137.5°	151.4	146.8	141.5	136.9	134.9	132.9	130.2	127.6	125.6	126.3
140°	159.3	155.4	152.1	148.8	146.8	145.4	142.8	140.8	138.8	138.8
142.5°	166.6	163.3	160.0	157.3	156.7	156.0	154.0	152.1	150.7	150.7
145°	173.2	171.2	168.6	165.3	164.6	164.0	162.0	160.7	160.0	160.0
147.5°	175.2	175.9	175.2	173.2	172.6	171.9	170.6	169.2	168.6	168.6
150°	173.9	176.5	177.8	177.8	177.8	177.8	177.8	176.5	175.9	175.9
152.5°	169.9	173.9	176.5	178.5	179.2	179.8	179.8	180.5	179.8	179.8
155°	165.3	169.2	173.2	175.2	176.5	177.2	178.5	179.2	179.8	179.2
157.5°	160.0	163.3	165.9	169.9	171.2	172.6	173.9	175.2	175.9	175.2
160°	155.4	158.0	160.0	162.6	163.3	164.6	165.9	166.6	167.9	167.3
162.5°	150.7	152.7	154.7	156.0	157.3	158.0	159.3	160.0	160.7	160.0
165°	147.4	148.8	149.4	150.7	151.4	152.1	152.7	153.4	153.4	153.4
167.5°	143.5	144.8	145.4	146.1	146.8	147.4	147.4	148.1	148.1	148.1
170°	140.2	140.8	141.5	142.1	142.1	142.8	142.8	142.8	143.5	142.8
172.5°	137.5	137.5	137.5	138.2	138.2	138.2	138.2	138.2	138.2	137.5
175°	136.2	136.2	135.5	135.5	135.5	135.5	135.5	134.9	134.2	133.5
177.5°	135.5	134.9	134.9	134.2	134.2	134.2	133.5	132.9	132.2	131.6
180°	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9	134.9

(END OF REPORT)