

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: P395848

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (6500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395848
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 (6500K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2711.8 lumens
Efficiency: N/A
Efficacy: 100.4 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

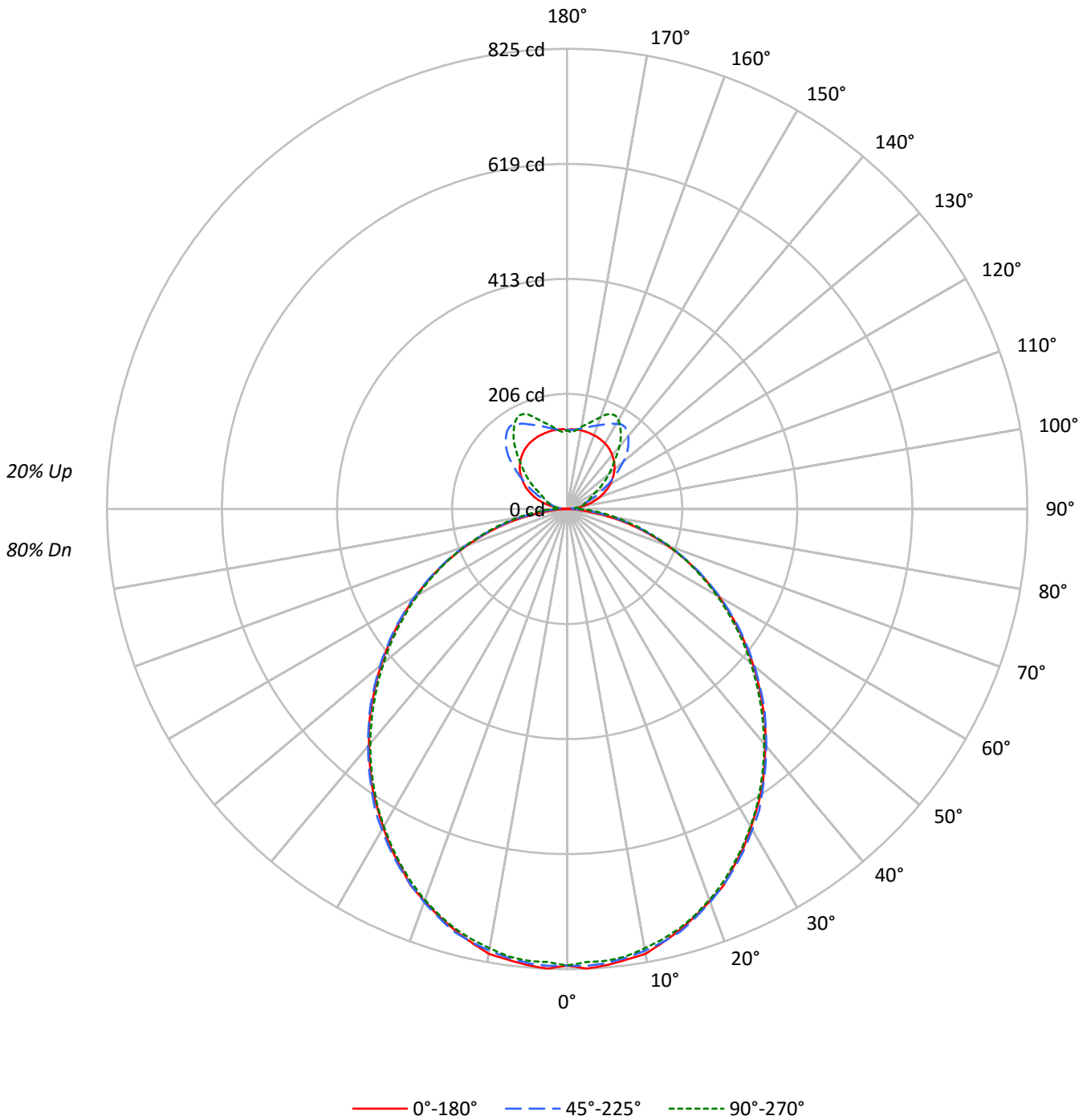
Input Watts (W): 27
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395848

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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	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°	4499	4499	4499
5°	4511	4406	4359
10°	4484	4286	4216
15°	4395	4168	4066
20°	4308	4000	3890
25°	4204	3830	3697
30°	4084	3654	3498
35°	3971	3459	3292
40°	3828	3258	3079
45°	3691	3062	2854
50°	3545	2846	2627
55°	3390	2626	2396
60°	3219	2382	2157
65°	3021	2117	1901
70°	2740	1807	1632
75°	2360	1432	1311
80°	1800	1031	978
85°	942	617	663



TEST NUMBER: P395848

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (6500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	2.9
10°-20°	219.4	8.1
20°-30°	324.8	12.0
30°-40°	379.6	14.0
40°-50°	381.3	14.1
50°-60°	335.1	12.4
60°-70°	251.1	9.3
70°-80°	142.8	5.3
80°-90°	45.1	1.7
90°-100°	16.2	0.6
100°-110°	39.6	1.5
110°-120°	65.8	2.4
120°-130°	92.3	3.4
130°-140°	106.4	3.9
140°-150°	101.6	3.7
150°-160°	76.4	2.8
160°-170°	43.2	1.6
170°-180°	13.7	0.5
0°-30°	621.5	22.9
0°-40°	1001.1	36.9
0°-60°	1717.5	63.3
0°-90°	2156.5	79.5
90°-120°	121.6	4.5
90°-150°	421.9	15.6
90°-180°	555.0	20.5
0°-180°	2711.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	818	818	818	818	818	
5°	821	812	817	814	813	78
15°	781	774	785	779	778	220
25°	707	705	710	707	704	326
35°	609	604	612	607	605	380
45°	495	494	499	493	490	382
55°	375	377	378	373	369	335
65°	254	254	256	254	251	250
75°	129	131	134	138	138	136
85°	22	29	40	48	51	29
90°	1	4	12	19	22	2
95°	12	12	12	13	14	13
105°	46	40	30	31	32	48
115°	76	95	58	47	46	75
125°	100	138	105	84	78	90
135°	119	151	154	128	119	92
145°	132	150	180	172	168	82
155°	138	147	168	185	188	64
165°	142	144	152	159	161	40
175°	143	142	142	142	140	14
180°	141	141	141	141	141	



TEST NUMBER: P395848

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5
2.5°	824.8	823.4	819.9	816.4	815.8	815.1	815.1	814.4	814.4	815.8	819.9
5°	820.6	819.9	816.4	813.0	812.3	812.3	811.6	811.6	811.6	813.0	817.1
7.5°	815.1	813.7	810.2	806.8	806.1	806.1	806.1	805.4	806.1	806.8	811.6
10°	809.5	808.8	805.4	801.2	799.8	799.8	799.1	797.8	797.8	799.1	804.0
12.5°	795.7	795.0	791.5	788.7	788.7	789.4	789.4	790.1	790.1	791.5	795.0
15°	781.1	780.4	777.0	774.2	774.2	774.2	773.5	773.5	774.2	778.4	784.6
17.5°	765.2	764.5	761.7	759.0	759.0	759.0	758.3	758.3	759.0	761.0	767.3
20°	747.9	747.2	744.4	741.7	741.7	741.7	741.0	741.7	741.7	744.4	750.0
22.5°	731.3	729.9	726.4	723.7	722.3	722.3	722.3	721.6	723.0	725.0	730.6
25°	707.0	706.3	705.0	702.9	704.3	705.0	703.6	702.2	702.2	705.0	709.8
27.5°	684.9	683.5	681.4	679.3	678.0	678.6	679.3	680.7	682.8	683.5	687.6
30°	659.3	658.6	656.5	653.7	654.4	655.1	655.1	655.1	656.5	662.7	664.1
32.5°	634.3	633.6	631.6	628.8	629.5	630.2	629.5	630.2	631.6	634.3	640.6
35°	609.4	608.0	605.9	605.2	604.5	604.5	604.5	605.2	605.9	608.0	611.5
37.5°	581.0	579.6	578.2	576.2	577.5	578.9	579.6	578.9	579.6	582.4	583.8
40°	552.6	551.9	550.5	549.1	549.8	550.5	549.8	551.9	553.3	554.7	555.4
42.5°	525.6	524.2	522.8	522.1	522.1	522.8	522.8	524.2	524.2	527.7	527.0
45°	495.1	494.4	493.7	493.7	494.4	494.4	494.4	495.1	495.8	497.9	498.6
47.5°	465.4	464.7	464.7	464.7	464.7	465.4	466.0	468.1	466.7	467.4	468.1
50°	435.6	434.9	434.9	434.9	436.3	436.3	437.7	438.3	439.0	437.7	438.3
52.5°	405.1	404.4	405.8	405.8	407.2	407.2	409.3	407.2	408.6	407.9	407.9
55°	375.3	374.6	376.0	375.3	376.7	376.7	378.1	378.8	378.1	378.1	378.1
57.5°	344.9	344.2	344.9	345.6	346.2	346.2	348.3	348.3	346.2	347.6	346.9
60°	314.4	313.7	314.4	315.1	315.8	315.8	316.5	315.1	316.5	317.2	316.5
62.5°	283.9	283.2	284.6	283.9	284.6	285.3	285.3	287.4	286.7	286.7	286.0
65°	253.5	252.8	252.8	252.8	253.5	254.1	254.8	255.5	255.5	256.2	255.5
67.5°	222.3	221.6	222.3	221.6	222.3	223.0	224.4	225.1	225.1	225.8	225.1
70°	190.4	191.1	190.4	191.1	191.8	192.5	193.2	194.6	194.6	194.6	194.6
72.5°	159.3	158.6	158.6	157.9	159.3	160.0	160.7	162.7	162.7	163.4	163.4
75°	128.8	127.4	128.1	127.4	130.2	130.9	130.9	133.0	133.7	135.0	134.3
77.5°	99.0	99.0	97.6	99.7	100.4	101.8	103.2	104.6	105.3	107.3	107.3
80°	70.6	70.6	69.9	71.3	74.1	74.8	76.9	77.6	79.6	81.0	81.7
82.5°	45.0	45.0	45.0	47.1	49.2	49.9	51.9	54.0	55.4	57.5	58.2
85°	22.2	23.5	23.5	26.3	27.7	29.1	29.8	32.5	34.6	37.4	39.5
87.5°	6.9	7.6	8.3	9.7	12.5	13.2	14.5	17.3	19.4	22.2	24.2
90°	0.7	0.7	1.4	2.1	3.5	4.2	5.5	6.9	9.0	11.1	12.5
92.5°	4.8	4.8	5.5	5.5	5.5	5.5	5.5	6.2	6.9	8.3	9.0
95°	11.8	18.7	11.1	10.4	11.8	11.8	12.5	11.8	11.8	11.8	11.8
97.5°	19.4	34.6	22.9	15.9	15.2	15.9	15.9	17.3	18.0	18.7	18.7
100°	28.4	43.6	40.2	26.3	21.5	20.8	20.8	20.8	21.5	22.2	22.9
102.5°	37.4	49.9	57.5	40.9	30.5	27.7	26.3	25.6	24.9	25.6	25.6
105°	46.4	56.1	70.6	55.4	43.6	39.5	35.3	30.5	29.8	29.8	29.8
107.5°	54.7	62.3	80.3	72.0	56.8	52.6	47.8	40.2	35.3	34.6	33.9
110°	62.3	68.6	87.3	85.9	71.3	65.1	60.9	52.6	45.7	40.9	38.8



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	69.2	74.8	92.1	97.6	87.3	79.6	73.4	65.1	57.5	51.2	46.4
115°	76.2	81.0	96.3	107.3	101.1	94.9	87.9	77.6	69.9	63.7	58.2
117.5°	83.1	87.3	100.4	114.3	112.9	108.7	103.2	90.7	81.7	75.5	69.2
120°	89.3	93.5	104.6	119.1	123.3	119.8	116.3	105.3	94.2	87.3	81.7
122.5°	94.9	98.3	108.7	123.3	130.9	130.2	126.7	119.1	108.0	99.7	92.8
125°	100.4	103.9	112.9	126.0	136.4	138.5	137.1	130.9	122.6	112.9	104.6
127.5°	106.0	108.7	117.0	128.8	140.6	144.7	145.4	141.3	135.0	126.7	117.7
130°	110.8	113.6	120.5	130.9	143.3	148.2	151.0	150.3	145.4	139.9	130.9
132.5°	115.0	117.0	124.0	133.0	144.7	150.3	154.4	157.9	154.4	150.3	144.0
135°	119.1	121.2	126.7	135.0	145.4	151.0	156.5	162.0	162.7	159.3	154.4
137.5°	122.6	124.0	129.5	136.4	145.4	151.0	156.5	164.1	168.3	166.9	162.7
140°	126.0	127.4	131.6	138.5	146.1	151.0	155.8	164.8	170.4	172.4	170.4
142.5°	128.8	130.2	133.7	139.9	146.1	150.3	155.1	163.4	171.0	175.2	176.6
145°	131.6	132.3	135.7	140.6	146.1	149.6	153.7	162.0	169.7	175.9	180.0
147.5°	133.7	134.3	136.4	141.3	146.1	148.9	152.3	159.3	166.9	173.8	180.0
150°	135.7	135.7	137.8	141.3	146.1	148.2	151.0	157.2	163.4	170.4	175.9
152.5°	137.1	137.1	139.2	142.0	145.4	147.5	150.3	155.1	160.7	166.9	172.4
155°	138.5	138.5	139.9	142.0	145.4	146.8	148.9	153.0	157.9	162.7	167.6
157.5°	139.9	139.9	140.6	142.7	144.7	146.1	148.2	151.7	155.1	159.3	163.4
160°	140.6	140.6	141.3	142.7	144.0	145.4	146.8	149.6	153.0	155.8	159.3
162.5°	141.3	141.3	142.0	142.7	144.0	144.7	145.4	148.2	150.3	153.0	155.8
165°	142.0	142.0	142.0	142.7	143.3	144.0	144.7	146.1	148.2	150.3	152.3
167.5°	142.7	142.7	142.7	142.7	143.3	143.3	144.0	144.7	146.1	147.5	148.9
170°	143.3	142.7	142.7	143.3	142.7	142.7	143.3	144.0	144.0	145.4	146.1
172.5°	143.3	143.3	142.7	142.7	142.7	142.7	142.7	142.7	142.7	143.3	144.0
175°	143.3	143.3	142.7	142.7	142.7	142.0	142.0	142.0	142.0	142.0	142.0
177.5°	143.3	143.3	142.7	142.7	142.0	142.0	142.0	142.0	142.0	142.0	142.0
180°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5
2.5°	824.1	820.6	819.2	818.5	817.8	817.1	815.8	814.4	813.0	813.0
5°	820.6	817.1	815.8	815.1	814.4	813.7	813.0	813.0	813.0	813.0
7.5°	815.1	811.6	810.2	809.5	809.5	808.8	808.8	808.8	808.1	808.8
10°	806.8	803.3	802.6	801.9	801.2	799.8	799.8	799.8	799.1	799.8
12.5°	796.4	792.9	792.2	791.5	790.8	790.1	790.1	789.4	789.4	790.1
15°	786.0	781.1	779.7	779.7	779.1	778.4	779.1	778.4	778.4	778.4
17.5°	770.7	768.7	766.6	765.2	764.5	763.8	763.8	763.1	763.1	763.1
20°	750.7	750.7	750.7	747.2	746.5	745.8	745.8	745.8	745.8	745.8
22.5°	731.3	727.8	730.6	728.5	727.1	725.7	726.4	726.4	726.4	726.4
25°	709.8	707.0	707.7	708.4	707.0	705.0	705.0	705.0	705.0	704.3
27.5°	687.0	684.9	684.2	684.9	686.3	684.9	682.8	680.7	681.4	681.4
30°	662.0	661.3	660.6	659.3	660.6	661.3	657.9	657.2	657.2	657.2
32.5°	637.1	636.4	634.3	632.9	633.6	635.0	633.6	632.2	632.2	632.2
35°	612.2	609.4	607.3	606.6	606.6	608.0	607.3	605.2	605.2	605.2
37.5°	583.1	583.8	580.3	579.6	579.6	579.6	581.0	577.5	578.2	577.5
40°	554.7	555.4	553.3	551.2	551.9	550.5	552.6	549.1	549.1	549.1
42.5°	526.3	524.9	525.6	521.4	522.1	522.1	522.8	520.8	520.1	519.4
45°	497.2	495.8	495.1	493.1	493.1	492.4	492.4	489.6	489.6	489.6
47.5°	466.7	466.0	464.7	463.3	463.3	462.6	461.2	460.5	459.8	459.8
50°	437.7	435.6	433.5	434.2	433.5	432.8	431.4	430.7	430.0	429.3
52.5°	406.5	406.5	403.7	403.7	403.7	403.0	401.6	400.3	400.3	399.6
55°	376.0	375.3	373.3	372.6	373.3	372.6	371.2	369.8	369.8	369.1
57.5°	345.6	344.2	343.5	343.5	342.8	342.8	340.7	339.3	340.0	339.3
60°	314.4	314.4	313.7	313.0	313.0	312.3	310.2	310.2	310.2	309.5
62.5°	284.6	284.6	283.2	282.5	283.2	282.5	281.8	281.2	280.5	279.8
65°	253.5	254.1	252.8	253.5	253.5	252.1	252.1	251.4	251.4	250.7
67.5°	224.4	224.4	223.7	223.7	224.4	223.7	223.7	223.0	223.0	222.3
70°	194.6	196.0	195.3	195.3	195.3	194.6	194.6	194.6	193.9	194.6
72.5°	164.8	164.8	164.8	164.8	164.8	165.5	165.5	165.5	165.5	164.8
75°	137.1	137.8	137.1	137.8	138.5	138.5	138.5	138.5	139.2	138.5
77.5°	110.1	110.8	110.8	112.2	112.2	112.2	112.9	112.9	112.9	112.9
80°	84.5	85.2	85.9	87.3	87.3	88.6	89.3	89.3	89.3	89.3
82.5°	60.9	63.0	63.7	65.8	66.5	66.5	67.9	68.6	68.6	68.6
85°	42.2	44.3	45.7	47.1	48.5	48.5	49.9	49.9	50.6	50.6
87.5°	26.3	28.4	29.8	31.9	32.5	33.2	33.9	34.6	35.3	35.3
90°	14.5	15.9	17.3	18.7	18.7	19.4	20.1	20.8	21.5	21.5
92.5°	10.4	11.1	12.5	13.2	13.2	13.8	14.5	14.5	15.2	15.2
95°	11.8	12.5	12.5	13.2	13.2	13.2	13.8	13.8	13.8	13.8
97.5°	18.0	18.0	18.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3
100°	23.5	24.2	24.2	24.2	24.9	24.9	24.9	24.9	24.2	24.2
102.5°	26.3	27.0	27.7	28.4	28.4	28.4	29.1	29.1	29.1	29.1
105°	29.8	29.8	30.5	31.2	31.2	31.2	31.9	31.9	31.9	31.9
107.5°	33.9	33.9	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
110°	38.8	38.8	38.8	38.1	38.8	38.1	38.1	38.1	38.1	38.1



TEST NUMBER: P395848

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (6500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	44.3	43.6	43.6	42.9	42.9	42.9	42.2	42.2	42.2	42.2
115°	53.3	49.9	48.5	47.1	47.1	47.1	46.4	46.4	46.4	46.4
117.5°	64.4	59.6	56.8	54.0	53.3	52.6	51.2	51.2	50.6	50.6
120°	76.2	71.3	67.2	63.7	62.3	61.6	59.6	58.2	56.8	56.8
122.5°	87.3	82.4	78.3	74.8	73.4	72.0	69.9	68.6	67.2	67.2
125°	98.3	93.5	89.3	85.9	83.8	82.4	80.3	78.9	77.6	77.6
127.5°	110.1	103.9	99.7	96.3	94.2	93.5	90.7	89.3	87.9	87.9
130°	123.3	115.6	110.1	106.0	104.6	103.2	101.1	99.7	98.3	98.3
132.5°	136.4	128.8	122.6	117.0	115.0	113.6	110.8	109.4	108.0	108.0
135°	148.9	142.0	135.7	130.2	128.1	126.0	123.3	120.5	119.1	119.1
137.5°	158.6	153.7	148.2	143.3	141.3	139.2	136.4	133.7	131.6	132.3
140°	166.9	162.7	159.3	155.8	153.7	152.3	149.6	147.5	145.4	145.4
142.5°	174.5	171.0	167.6	164.8	164.1	163.4	161.4	159.3	157.9	157.9
145°	181.4	179.4	176.6	173.1	172.4	171.7	169.7	168.3	167.6	167.6
147.5°	183.5	184.2	183.5	181.4	180.7	180.0	178.7	177.3	176.6	176.6
150°	182.1	184.9	186.3	186.3	186.3	186.3	186.3	184.9	184.2	184.2
152.5°	178.0	182.1	184.9	187.0	187.7	188.4	188.4	189.1	188.4	188.4
155°	173.1	177.3	181.4	183.5	184.9	185.6	187.0	187.7	188.4	187.7
157.5°	167.6	171.0	173.8	178.0	179.4	180.7	182.1	183.5	184.2	183.5
160°	162.7	165.5	167.6	170.4	171.0	172.4	173.8	174.5	175.9	175.2
162.5°	157.9	160.0	162.0	163.4	164.8	165.5	166.9	167.6	168.3	167.6
165°	154.4	155.8	156.5	157.9	158.6	159.3	160.0	160.7	160.7	160.7
167.5°	150.3	151.7	152.3	153.0	153.7	154.4	154.4	155.1	155.1	155.1
170°	146.8	147.5	148.2	148.9	148.9	149.6	149.6	149.6	150.3	149.6
172.5°	144.0	144.0	144.0	144.7	144.7	144.7	144.7	144.7	144.7	144.0
175°	142.7	142.7	142.0	142.0	142.0	142.0	142.0	141.3	140.6	139.9
177.5°	142.0	141.3	141.3	140.6	140.6	140.6	139.9	139.2	138.5	137.8
180°	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3	141.3

(END OF REPORT)