

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: P395844

Luminaire Tested: **I3-WL-30L92765-1D-UNV-W2A-W-4 (4000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395844
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 (4000K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2523.2 lumens
Efficiency: N/A
Efficacy: 96.7 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

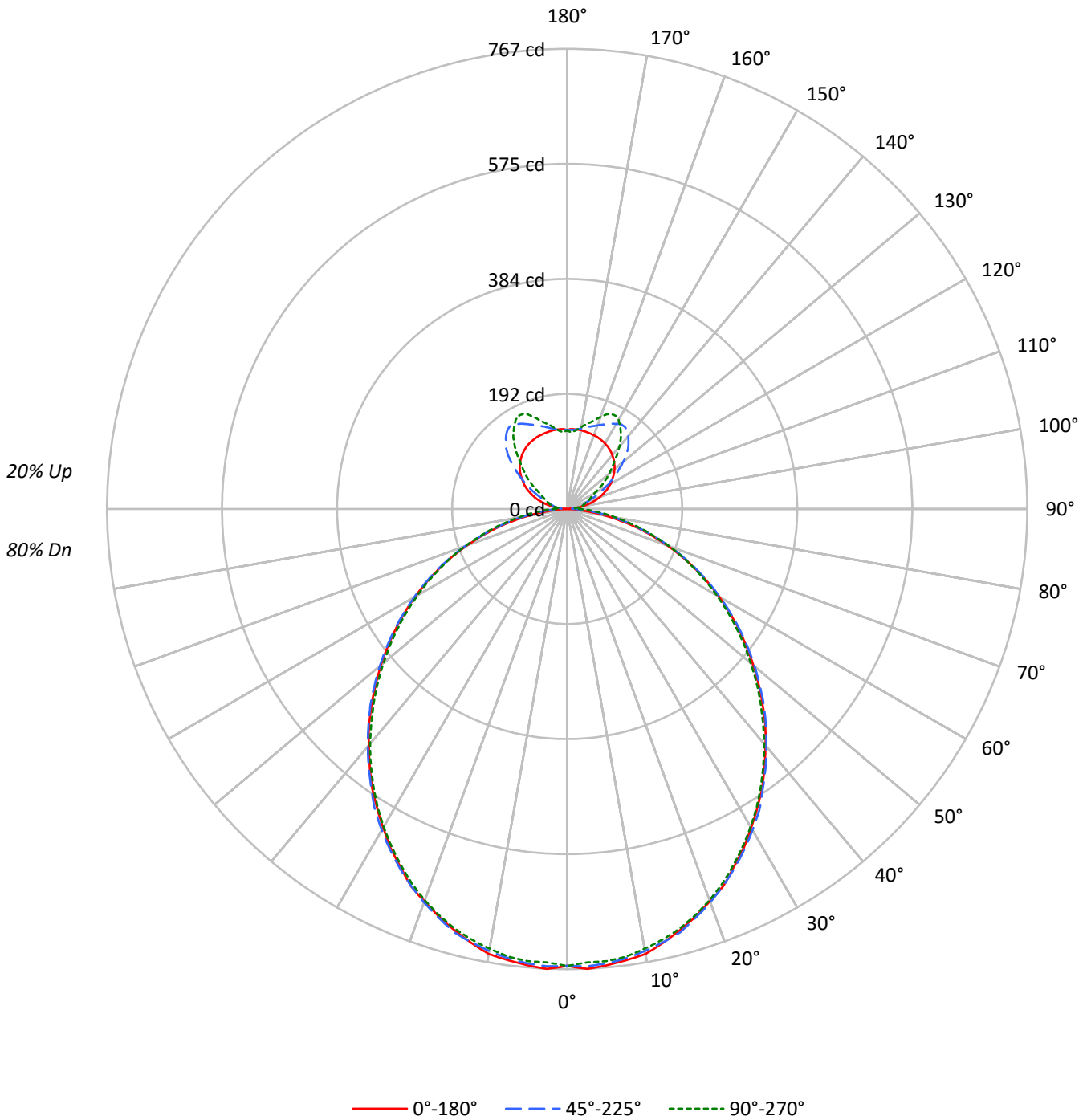
Input Watts (W): 26.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P395844

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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°	4186	4186	4186
5°	4197	4100	4055
10°	4172	3988	3923
15°	4089	3878	3783
20°	4008	3722	3620
25°	3912	3563	3440
30°	3800	3400	3255
35°	3694	3218	3063
40°	3562	3032	2865
45°	3435	2849	2656
50°	3298	2649	2445
55°	3155	2444	2229
60°	2995	2217	2007
65°	2810	1970	1769
70°	2550	1682	1519
75°	2195	1333	1220
80°	1675	959	910
85°	874	573	616



TEST NUMBER: P395844

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	2.9
10°-20°	204.1	8.1
20°-30°	302.2	12.0
30°-40°	353.2	14.0
40°-50°	354.8	14.1
50°-60°	311.8	12.4
60°-70°	233.6	9.3
70°-80°	132.9	5.3
80°-90°	41.9	1.7
90°-100°	15.1	0.6
100°-110°	36.8	1.5
110°-120°	61.2	2.4
120°-130°	85.9	3.4
130°-140°	99.0	3.9
140°-150°	94.5	3.7
150°-160°	71.1	2.8
160°-170°	40.2	1.6
170°-180°	12.7	0.5
0°-30°	578.3	22.9
0°-40°	931.5	36.9
0°-60°	1598.0	63.3
0°-90°	2006.5	79.5
90°-120°	113.2	4.5
90°-150°	392.6	15.6
90°-180°	517.0	20.5
0°-180°	2523.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	762	762	762	762	762	
5°	764	756	760	758	756	73
15°	727	720	730	725	724	205
25°	658	656	660	658	655	303
35°	567	562	569	564	563	354
45°	461	460	464	459	456	356
55°	349	350	352	347	343	312
65°	236	236	238	236	233	233
75°	120	122	125	129	129	127
85°	21	27	37	45	47	27
90°	1	4	12	17	20	2
95°	11	11	11	12	13	12
105°	43	37	28	29	30	45
115°	71	88	54	44	43	70
125°	93	129	97	78	72	84
135°	111	140	144	119	111	85
145°	122	139	168	160	156	77
155°	129	137	156	172	175	60
165°	132	134	142	148	150	37
175°	133	132	132	132	130	13
180°	131	131	131	131	131	



TEST NUMBER: P395844

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6
2.5°	767.4	766.1	762.9	759.7	759.0	758.4	758.4	757.7	757.7	759.0	762.9
5°	763.5	762.9	759.7	756.4	755.8	755.8	755.2	755.2	755.2	756.4	760.3
7.5°	758.4	757.1	753.9	750.6	750.0	750.0	750.0	749.4	750.0	750.6	755.2
10°	753.2	752.6	749.4	745.5	744.2	744.2	743.6	742.3	742.3	743.6	748.1
12.5°	740.3	739.7	736.5	733.9	733.9	734.5	734.5	735.2	735.2	736.5	739.7
15°	726.8	726.2	722.9	720.4	720.4	720.4	719.7	719.7	720.4	724.2	730.0
17.5°	712.0	711.3	708.8	706.2	706.2	706.2	705.5	705.5	706.2	708.1	713.9
20°	695.9	695.2	692.7	690.1	690.1	690.1	689.4	690.1	690.1	692.7	697.8
22.5°	680.4	679.1	675.9	673.3	672.0	672.0	672.0	671.4	672.7	674.6	679.8
25°	657.9	657.2	655.9	654.0	655.3	655.9	654.6	653.4	653.4	655.9	660.4
27.5°	637.2	636.0	634.0	632.1	630.8	631.4	632.1	633.4	635.3	636.0	639.8
30°	613.4	612.8	610.8	608.2	608.9	609.5	609.5	609.5	610.8	616.6	617.9
32.5°	590.2	589.6	587.6	585.1	585.7	586.3	585.7	586.3	587.6	590.2	596.0
35°	567.0	565.7	563.8	563.1	562.5	562.5	562.5	563.1	563.8	565.7	568.9
37.5°	540.6	539.3	538.0	536.1	537.4	538.7	539.3	538.7	539.3	541.9	543.2
40°	514.2	513.5	512.2	511.0	511.6	512.2	511.6	513.5	514.8	516.1	516.8
42.5°	489.0	487.8	486.5	485.8	485.8	486.5	486.5	487.8	487.8	491.0	490.3
45°	460.7	460.1	459.4	459.4	460.1	460.1	460.1	460.7	461.3	463.3	463.9
47.5°	433.0	432.3	432.3	432.3	432.3	433.0	433.6	435.6	434.3	434.9	435.6
50°	405.3	404.6	404.6	404.6	405.9	405.9	407.2	407.9	408.5	407.2	407.9
52.5°	376.9	376.3	377.6	377.6	378.9	378.9	380.8	378.9	380.2	379.5	379.5
55°	349.2	348.6	349.9	349.2	350.5	350.5	351.8	352.4	351.8	351.8	351.8
57.5°	320.9	320.2	320.9	321.5	322.2	322.2	324.1	324.1	322.2	323.5	322.8
60°	292.5	291.9	292.5	293.2	293.8	293.8	294.5	293.2	294.5	295.1	294.5
62.5°	264.2	263.5	264.8	264.2	264.8	265.5	265.5	267.4	266.8	266.8	266.1
65°	235.8	235.2	235.2	235.2	235.8	236.5	237.1	237.8	237.8	238.4	237.8
67.5°	206.8	206.2	206.8	206.2	206.8	207.5	208.8	209.4	209.4	210.1	209.4
70°	177.2	177.8	177.2	177.8	178.5	179.1	179.8	181.1	181.1	181.1	181.1
72.5°	148.2	147.6	147.6	146.9	148.2	148.8	149.5	151.4	151.4	152.1	152.1
75°	119.8	118.6	119.2	118.6	121.1	121.8	121.8	123.7	124.4	125.6	125.0
77.5°	92.1	92.1	90.9	92.8	93.4	94.7	96.0	97.3	97.9	99.9	99.9
80°	65.7	65.7	65.1	66.4	68.9	69.6	71.5	72.2	74.1	75.4	76.0
82.5°	41.9	41.9	41.9	43.8	45.7	46.4	48.3	50.3	51.5	53.5	54.1
85°	20.6	21.9	21.9	24.5	25.8	27.1	27.7	30.3	32.2	34.8	36.7
87.5°	6.4	7.1	7.7	9.0	11.6	12.2	13.5	16.1	18.0	20.6	22.6
90°	0.6	0.6	1.3	1.9	3.2	3.9	5.2	6.4	8.4	10.3	11.6
92.5°	4.5	4.5	5.2	5.2	5.2	5.2	5.2	5.8	6.4	7.7	8.4
95°	11.0	17.4	10.3	9.7	11.0	11.0	11.6	11.0	11.0	11.0	11.0
97.5°	18.0	32.2	21.3	14.8	14.2	14.8	14.8	16.1	16.8	17.4	17.4
100°	26.4	40.6	37.4	24.5	20.0	19.3	19.3	19.3	20.0	20.6	21.3
102.5°	34.8	46.4	53.5	38.0	28.4	25.8	24.5	23.8	23.2	23.8	23.8
105°	43.2	52.2	65.7	51.5	40.6	36.7	32.9	28.4	27.7	27.7	27.7
107.5°	50.9	58.0	74.7	67.0	52.8	49.0	44.5	37.4	32.9	32.2	31.6
110°	58.0	63.8	81.2	79.9	66.4	60.6	56.7	49.0	42.5	38.0	36.1



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CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	64.4	69.6	85.7	90.9	81.2	74.1	68.3	60.6	53.5	47.7	43.2
115°	70.9	75.4	89.6	99.9	94.1	88.3	81.8	72.2	65.1	59.3	54.1
117.5°	77.3	81.2	93.4	106.3	105.0	101.2	96.0	84.4	76.0	70.2	64.4
120°	83.1	87.0	97.3	110.8	114.7	111.5	108.2	97.9	87.6	81.2	76.0
122.5°	88.3	91.5	101.2	114.7	121.8	121.1	117.9	110.8	100.5	92.8	86.3
125°	93.4	96.6	105.0	117.3	126.9	128.9	127.6	121.8	114.0	105.0	97.3
127.5°	98.6	101.2	108.9	119.8	130.8	134.7	135.3	131.4	125.6	117.9	109.5
130°	103.1	105.7	112.1	121.8	133.4	137.9	140.5	139.8	135.3	130.2	121.8
132.5°	107.0	108.9	115.3	123.7	134.7	139.8	143.7	146.9	143.7	139.8	134.0
135°	110.8	112.8	117.9	125.6	135.3	140.5	145.6	150.8	151.4	148.2	143.7
137.5°	114.0	115.3	120.5	126.9	135.3	140.5	145.6	152.7	156.6	155.3	151.4
140°	117.3	118.6	122.4	128.9	136.0	140.5	145.0	153.4	158.5	160.4	158.5
142.5°	119.8	121.1	124.4	130.2	136.0	139.8	144.3	152.1	159.2	163.0	164.3
145°	122.4	123.1	126.3	130.8	136.0	139.2	143.0	150.8	157.9	163.7	167.5
147.5°	124.4	125.0	126.9	131.4	136.0	138.5	141.8	148.2	155.3	161.7	167.5
150°	126.3	126.3	128.2	131.4	136.0	137.9	140.5	146.3	152.1	158.5	163.7
152.5°	127.6	127.6	129.5	132.1	135.3	137.2	139.8	144.3	149.5	155.3	160.4
155°	128.9	128.9	130.2	132.1	135.3	136.6	138.5	142.4	146.9	151.4	155.9
157.5°	130.2	130.2	130.8	132.7	134.7	136.0	137.9	141.1	144.3	148.2	152.1
160°	130.8	130.8	131.4	132.7	134.0	135.3	136.6	139.2	142.4	145.0	148.2
162.5°	131.4	131.4	132.1	132.7	134.0	134.7	135.3	137.9	139.8	142.4	145.0
165°	132.1	132.1	132.1	132.7	133.4	134.0	134.7	136.0	137.9	139.8	141.8
167.5°	132.7	132.7	132.7	132.7	133.4	133.4	134.0	134.7	136.0	137.2	138.5
170°	133.4	132.7	132.7	133.4	132.7	132.7	133.4	134.0	134.0	135.3	136.0
172.5°	133.4	133.4	132.7	132.7	132.7	132.7	132.7	132.7	132.7	133.4	134.0
175°	133.4	133.4	132.7	132.7	132.7	132.1	132.1	132.1	132.1	132.1	132.1
177.5°	133.4	133.4	132.7	132.7	132.1	132.1	132.1	132.1	132.1	132.1	132.1
180°	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6	761.6
2.5°	766.8	763.5	762.2	761.6	761.0	760.3	759.0	757.7	756.4	756.4
5°	763.5	760.3	759.0	758.4	757.7	757.1	756.4	756.4	756.4	756.4
7.5°	758.4	755.2	753.9	753.2	753.2	752.6	752.6	752.6	751.9	752.6
10°	750.6	747.4	746.8	746.1	745.5	744.2	744.2	744.2	743.6	744.2
12.5°	741.0	737.8	737.1	736.5	735.8	735.2	735.2	734.5	734.5	735.2
15°	731.3	726.8	725.5	725.5	724.9	724.2	724.9	724.2	724.2	724.2
17.5°	717.1	715.2	713.3	712.0	711.3	710.7	710.7	710.1	710.1	710.1
20°	698.5	698.5	698.5	695.2	694.6	693.9	693.9	693.9	693.9	693.9
22.5°	680.4	677.2	679.8	677.8	676.5	675.3	675.9	675.9	675.9	675.9
25°	660.4	657.9	658.5	659.2	657.9	655.9	655.9	655.9	655.9	655.3
27.5°	639.2	637.2	636.6	637.2	638.5	637.2	635.3	633.4	634.0	634.0
30°	616.0	615.3	614.7	613.4	614.7	615.3	612.1	611.5	611.5	611.5
32.5°	592.8	592.1	590.2	588.9	589.6	590.9	589.6	588.3	588.3	588.3
35°	569.6	567.0	565.1	564.4	564.4	565.7	565.1	563.1	563.1	563.1
37.5°	542.5	543.2	540.0	539.3	539.3	539.3	540.6	537.4	538.0	537.4
40°	516.1	516.8	514.8	512.9	513.5	512.2	514.2	511.0	511.0	511.0
42.5°	489.7	488.4	489.0	485.2	485.8	485.8	486.5	484.5	483.9	483.2
45°	462.6	461.3	460.7	458.8	458.8	458.1	458.1	455.5	455.5	455.5
47.5°	434.3	433.6	432.3	431.1	431.1	430.4	429.1	428.5	427.8	427.8
50°	407.2	405.3	403.4	404.0	403.4	402.7	401.4	400.8	400.1	399.5
52.5°	378.2	378.2	375.6	375.6	375.6	375.0	373.7	372.4	372.4	371.8
55°	349.9	349.2	347.3	346.7	347.3	346.7	345.4	344.1	344.1	343.4
57.5°	321.5	320.2	319.6	319.6	318.9	318.9	317.0	315.7	316.4	315.7
60°	292.5	292.5	291.9	291.2	291.2	290.6	288.7	288.7	288.7	288.0
62.5°	264.8	264.8	263.5	262.9	263.5	262.9	262.2	261.6	261.0	260.3
65°	235.8	236.5	235.2	235.8	235.8	234.5	234.5	233.9	233.9	233.2
67.5°	208.8	208.8	208.1	208.1	208.8	208.1	208.1	207.5	207.5	206.8
70°	181.1	182.3	181.7	181.7	181.7	181.1	181.1	181.1	180.4	181.1
72.5°	153.4	153.4	153.4	153.4	153.4	154.0	154.0	154.0	154.0	153.4
75°	127.6	128.2	127.6	128.2	128.9	128.9	128.9	128.9	129.5	128.9
77.5°	102.4	103.1	103.1	104.4	104.4	104.4	105.0	105.0	105.0	105.0
80°	78.6	79.3	79.9	81.2	81.2	82.5	83.1	83.1	83.1	83.1
82.5°	56.7	58.6	59.3	61.2	61.9	61.9	63.1	63.8	63.8	63.8
85°	39.3	41.2	42.5	43.8	45.1	45.1	46.4	46.4	47.0	47.0
87.5°	24.5	26.4	27.7	29.6	30.3	30.9	31.6	32.2	32.9	32.9
90°	13.5	14.8	16.1	17.4	17.4	18.0	18.7	19.3	20.0	20.0
92.5°	9.7	10.3	11.6	12.2	12.2	12.9	13.5	13.5	14.2	14.2
95°	11.0	11.6	11.6	12.2	12.2	12.2	12.9	12.9	12.9	12.9
97.5°	16.8	16.8	16.8	16.1	16.1	16.1	16.1	16.1	16.1	16.1
100°	21.9	22.6	22.6	22.6	23.2	23.2	23.2	23.2	22.6	22.6
102.5°	24.5	25.1	25.8	26.4	26.4	26.4	27.1	27.1	27.1	27.1
105°	27.7	27.7	28.4	29.0	29.0	29.0	29.6	29.6	29.6	29.6
107.5°	31.6	31.6	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
110°	36.1	36.1	36.1	35.4	36.1	35.4	35.4	35.4	35.4	35.4



TEST NUMBER: P395844

CATALOG NUMBER: I3-WL-30L92765-1D-UNV-W2A-W-4 (4000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	41.2	40.6	40.6	39.9	39.9	39.9	39.3	39.3	39.3	39.3
115°	49.6	46.4	45.1	43.8	43.8	43.8	43.2	43.2	43.2	43.2
117.5°	59.9	55.4	52.8	50.3	49.6	49.0	47.7	47.7	47.0	47.0
120°	70.9	66.4	62.5	59.3	58.0	57.3	55.4	54.1	52.8	52.8
122.5°	81.2	76.7	72.8	69.6	68.3	67.0	65.1	63.8	62.5	62.5
125°	91.5	87.0	83.1	79.9	78.0	76.7	74.7	73.5	72.2	72.2
127.5°	102.4	96.6	92.8	89.6	87.6	87.0	84.4	83.1	81.8	81.8
130°	114.7	107.6	102.4	98.6	97.3	96.0	94.1	92.8	91.5	91.5
132.5°	126.9	119.8	114.0	108.9	107.0	105.7	103.1	101.8	100.5	100.5
135°	138.5	132.1	126.3	121.1	119.2	117.3	114.7	112.1	110.8	110.8
137.5°	147.6	143.0	137.9	133.4	131.4	129.5	126.9	124.4	122.4	123.1
140°	155.3	151.4	148.2	145.0	143.0	141.8	139.2	137.2	135.3	135.3
142.5°	162.4	159.2	155.9	153.4	152.7	152.1	150.1	148.2	146.9	146.9
145°	168.8	166.9	164.3	161.1	160.4	159.8	157.9	156.6	155.9	155.9
147.5°	170.7	171.4	170.7	168.8	168.2	167.5	166.2	164.9	164.3	164.3
150°	169.5	172.0	173.3	173.3	173.3	173.3	173.3	172.0	171.4	171.4
152.5°	165.6	169.5	172.0	174.0	174.6	175.3	175.3	175.9	175.3	175.3
155°	161.1	164.9	168.8	170.7	172.0	172.7	174.0	174.6	175.3	174.6
157.5°	155.9	159.2	161.7	165.6	166.9	168.2	169.5	170.7	171.4	170.7
160°	151.4	154.0	155.9	158.5	159.2	160.4	161.7	162.4	163.7	163.0
162.5°	146.9	148.8	150.8	152.1	153.4	154.0	155.3	155.9	156.6	155.9
165°	143.7	145.0	145.6	146.9	147.6	148.2	148.8	149.5	149.5	149.5
167.5°	139.8	141.1	141.8	142.4	143.0	143.7	143.7	144.3	144.3	144.3
170°	136.6	137.2	137.9	138.5	138.5	139.2	139.2	139.2	139.8	139.2
172.5°	134.0	134.0	134.0	134.7	134.7	134.7	134.7	134.7	134.7	134.0
175°	132.7	132.7	132.1	132.1	132.1	132.1	132.1	131.4	130.8	130.2
177.5°	132.1	131.4	131.4	130.8	130.8	130.8	130.2	129.5	128.9	128.2
180°	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4	131.4

(END OF REPORT)