

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: P395834

Luminaire Tested: **I3-WL-30L82765-1D-UNV-W2A-W-4 (5700K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395834
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-30L82765-1D-UNV-W2A-W-4 (5700K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 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: 2980.4 lumens
Efficiency: N/A
Efficacy: 112.5 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

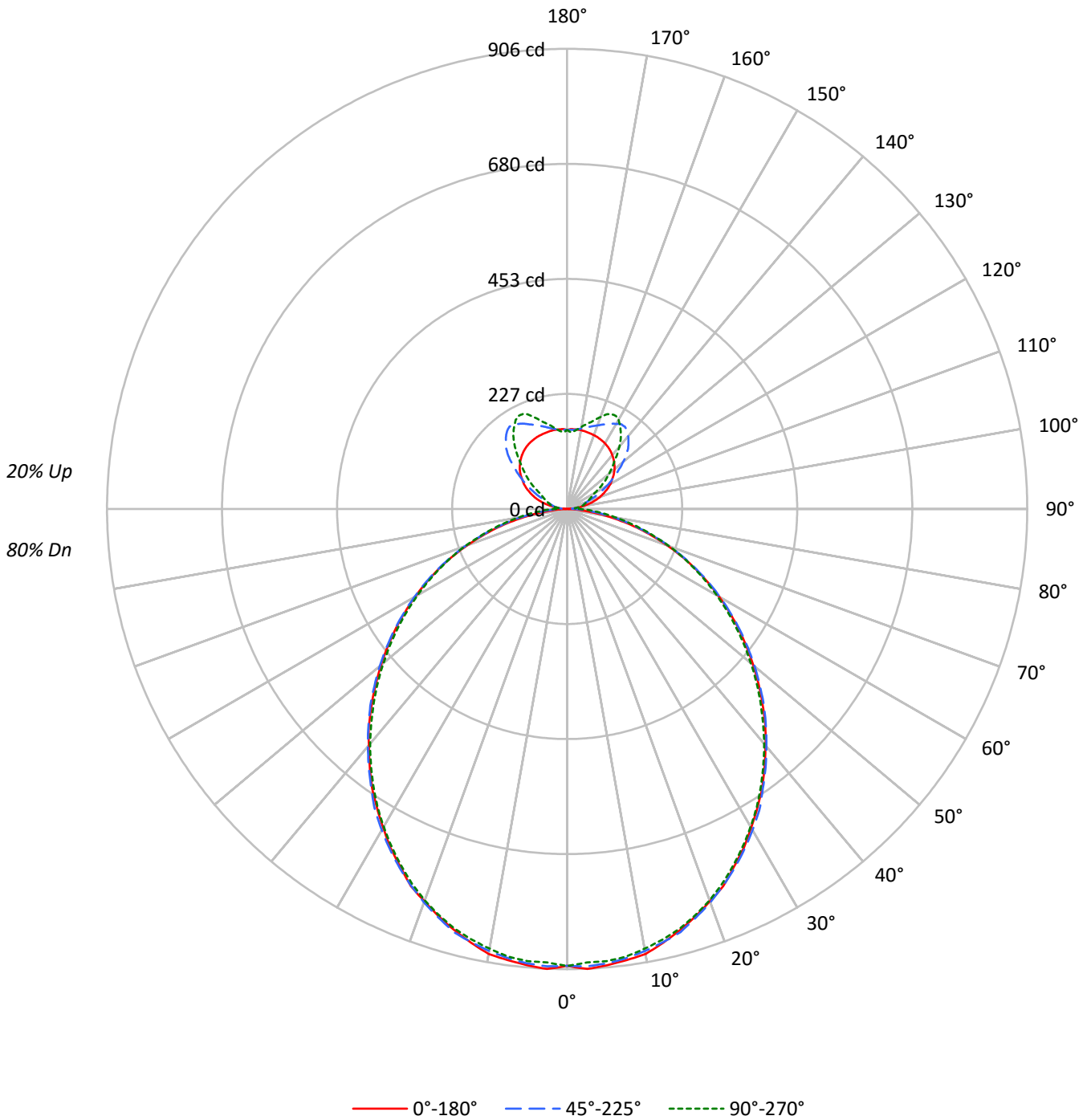
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4945	4945	4945
5°	4958	4843	4790
10°	4929	4711	4634
15°	4830	4581	4469
20°	4735	4396	4276
25°	4621	4209	4063
30°	4489	4016	3844
35°	4364	3802	3619
40°	4207	3581	3384
45°	4058	3365	3137
50°	3896	3129	2888
55°	3726	2887	2634
60°	3537	2618	2371
65°	3320	2326	2089
70°	3011	1987	1794
75°	2595	1575	1440
80°	1979	1134	1075
85°	1035	678	729



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CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5700K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	2.9
10°-20°	241.1	8.1
20°-30°	357.0	12.0
30°-40°	417.2	14.0
40°-50°	419.1	14.1
50°-60°	368.3	12.4
60°-70°	276.0	9.3
70°-80°	157.0	5.3
80°-90°	49.6	1.7
90°-100°	17.9	0.6
100°-110°	43.5	1.5
110°-120°	72.3	2.4
120°-130°	101.4	3.4
130°-140°	116.9	3.9
140°-150°	111.6	3.7
150°-160°	84.0	2.8
160°-170°	47.5	1.6
170°-180°	15.0	0.5
0°-30°	683.0	22.9
0°-40°	1100.2	36.9
0°-60°	1887.6	63.3
0°-90°	2370.1	79.5
90°-120°	133.7	4.5
90°-150°	463.7	15.6
90°-180°	610.0	20.5
0°-180°	2980.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	902	893	898	895	894	86
15°	858	851	862	856	856	242
25°	777	775	780	777	774	358
35°	670	664	672	667	665	418
45°	544	543	548	542	538	420
55°	412	414	416	410	406	369
65°	279	279	281	279	276	275
75°	142	144	148	152	152	150
85°	24	32	43	53	56	32
90°	1	5	14	20	24	2
95°	13	13	13	14	15	14
105°	51	43	33	34	35	53
115°	84	104	64	52	51	83
125°	110	152	115	92	85	99
135°	131	166	170	141	131	101
145°	145	164	198	190	184	90
155°	152	161	184	203	206	70
165°	156	158	167	174	177	44
175°	158	156	156	156	154	15
180°	155	155	155	155	155	



TEST NUMBER: P395834

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6
2.5°	906.5	904.9	901.1	897.3	896.6	895.8	895.8	895.0	895.0	896.6	901.1
5°	901.9	901.1	897.3	893.5	892.8	892.8	892.0	892.0	892.0	893.5	898.1
7.5°	895.8	894.3	890.5	886.7	885.9	885.9	885.9	885.1	885.9	886.7	892.0
10°	889.7	888.9	885.1	880.6	879.1	879.1	878.3	876.8	876.8	878.3	883.6
12.5°	874.5	873.7	869.9	866.9	866.9	867.6	867.6	868.4	868.4	869.9	873.7
15°	858.5	857.7	853.9	850.9	850.9	850.9	850.1	850.1	850.9	855.5	862.3
17.5°	841.0	840.2	837.2	834.1	834.1	834.1	833.4	833.4	834.1	836.4	843.3
20°	822.0	821.2	818.2	815.1	815.1	815.1	814.4	815.1	815.1	818.2	824.3
22.5°	803.7	802.2	798.4	795.3	793.8	793.8	793.8	793.1	794.6	796.9	802.9
25°	777.1	776.3	774.8	772.5	774.0	774.8	773.3	771.7	771.7	774.8	780.1
27.5°	752.7	751.2	748.9	746.6	745.1	745.9	746.6	748.1	750.4	751.2	755.8
30°	724.6	723.8	721.5	718.5	719.2	720.0	720.0	720.0	721.5	728.4	729.9
32.5°	697.2	696.4	694.1	691.1	691.8	692.6	691.8	692.6	694.1	697.2	704.0
35°	669.8	668.2	665.9	665.2	664.4	664.4	664.4	665.2	665.9	668.2	672.0
37.5°	638.6	637.0	635.5	633.2	634.7	636.3	637.0	636.3	637.0	640.1	641.6
40°	607.3	606.6	605.1	603.5	604.3	605.1	604.3	606.6	608.1	609.6	610.4
42.5°	577.7	576.1	574.6	573.9	573.9	574.6	574.6	576.1	576.1	579.9	579.2
45°	544.2	543.4	542.7	542.7	543.4	543.4	543.4	544.2	544.9	547.2	548.0
47.5°	511.4	510.7	510.7	510.7	510.7	511.4	512.2	514.5	513.0	513.7	514.5
50°	478.7	478.0	478.0	478.0	479.5	479.5	481.0	481.8	482.5	481.0	481.8
52.5°	445.2	444.5	446.0	446.0	447.5	447.5	449.8	447.5	449.0	448.3	448.3
55°	412.5	411.7	413.3	412.5	414.0	414.0	415.6	416.3	415.6	415.6	415.6
57.5°	379.0	378.3	379.0	379.8	380.5	380.5	382.8	382.8	380.5	382.1	381.3
60°	345.5	344.8	345.5	346.3	347.1	347.1	347.8	346.3	347.8	348.6	347.8
62.5°	312.0	311.3	312.8	312.0	312.8	313.6	313.6	315.9	315.1	315.1	314.3
65°	278.6	277.8	277.8	277.8	278.6	279.3	280.1	280.8	280.8	281.6	280.8
67.5°	244.3	243.5	244.3	243.5	244.3	245.1	246.6	247.4	247.4	248.1	247.4
70°	209.3	210.1	209.3	210.1	210.8	211.6	212.3	213.9	213.9	213.9	213.9
72.5°	175.0	174.3	174.3	173.5	175.0	175.8	176.6	178.9	178.9	179.6	179.6
75°	141.6	140.0	140.8	140.0	143.1	143.8	143.8	146.1	146.9	148.4	147.7
77.5°	108.8	108.8	107.3	109.6	110.4	111.9	113.4	114.9	115.7	118.0	118.0
80°	77.6	77.6	76.9	78.4	81.4	82.2	84.5	85.2	87.5	89.0	89.8
82.5°	49.5	49.5	49.5	51.8	54.0	54.8	57.1	59.4	60.9	63.2	63.9
85°	24.4	25.9	25.9	28.9	30.4	32.0	32.7	35.8	38.1	41.1	43.4
87.5°	7.6	8.4	9.1	10.7	13.7	14.5	16.0	19.0	21.3	24.4	26.6
90°	0.8	0.8	1.5	2.3	3.8	4.6	6.1	7.6	9.9	12.2	13.7
92.5°	5.3	5.3	6.1	6.1	6.1	6.1	6.1	6.8	7.6	9.1	9.9
95°	12.9	20.5	12.2	11.4	12.9	12.9	13.7	12.9	12.9	12.9	12.9
97.5°	21.3	38.1	25.1	17.5	16.7	17.5	17.5	19.0	19.8	20.5	20.5
100°	31.2	47.9	44.1	28.9	23.6	22.8	22.8	22.8	23.6	24.4	25.1
102.5°	41.1	54.8	63.2	44.9	33.5	30.4	28.9	28.2	27.4	28.2	28.2
105°	51.0	61.6	77.6	60.9	47.9	43.4	38.8	33.5	32.7	32.7	32.7
107.5°	60.1	68.5	88.3	79.2	62.4	57.8	52.5	44.1	38.8	38.1	37.3
110°	68.5	75.3	95.9	94.4	78.4	71.5	67.0	57.8	50.2	44.9	42.6



TEST NUMBER: P395834

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	76.1	82.2	101.2	107.3	95.9	87.5	80.7	71.5	63.2	56.3	51.0
115°	83.7	89.0	105.8	118.0	111.1	104.3	96.7	85.2	76.9	70.0	63.9
117.5°	91.3	95.9	110.4	125.6	124.1	119.5	113.4	99.7	89.8	83.0	76.1
120°	98.2	102.7	114.9	130.9	135.5	131.7	127.9	115.7	103.5	95.9	89.8
122.5°	104.3	108.1	119.5	135.5	143.8	143.1	139.3	130.9	118.7	109.6	102.0
125°	110.4	114.2	124.1	138.5	149.9	152.2	150.7	143.8	134.7	124.1	114.9
127.5°	116.4	119.5	128.6	141.6	154.5	159.1	159.8	155.3	148.4	139.3	129.4
130°	121.8	124.8	132.4	143.8	157.5	162.9	165.9	165.2	159.8	153.7	143.8
132.5°	126.3	128.6	136.2	146.1	159.1	165.2	169.7	173.5	169.7	165.2	158.3
135°	130.9	133.2	139.3	148.4	159.8	165.9	172.0	178.1	178.9	175.0	169.7
137.5°	134.7	136.2	142.3	149.9	159.8	165.9	172.0	180.4	184.9	183.4	178.9
140°	138.5	140.0	144.6	152.2	160.6	165.9	171.2	181.1	187.2	189.5	187.2
142.5°	141.6	143.1	146.9	153.7	160.6	165.2	170.5	179.6	188.0	192.6	194.1
145°	144.6	145.4	149.2	154.5	160.6	164.4	169.0	178.1	186.5	193.3	197.9
147.5°	146.9	147.7	149.9	155.3	160.6	163.6	167.4	175.0	183.4	191.0	197.9
150°	149.2	149.2	151.5	155.3	160.6	162.9	165.9	172.8	179.6	187.2	193.3
152.5°	150.7	150.7	153.0	156.0	159.8	162.1	165.2	170.5	176.6	183.4	189.5
155°	152.2	152.2	153.7	156.0	159.8	161.4	163.6	168.2	173.5	178.9	184.2
157.5°	153.7	153.7	154.5	156.8	159.1	160.6	162.9	166.7	170.5	175.0	179.6
160°	154.5	154.5	155.3	156.8	158.3	159.8	161.4	164.4	168.2	171.2	175.0
162.5°	155.3	155.3	156.0	156.8	158.3	159.1	159.8	162.9	165.2	168.2	171.2
165°	156.0	156.0	156.0	156.8	157.5	158.3	159.1	160.6	162.9	165.2	167.4
167.5°	156.8	156.8	156.8	156.8	157.5	157.5	158.3	159.1	160.6	162.1	163.6
170°	157.5	156.8	156.8	157.5	156.8	156.8	157.5	158.3	158.3	159.8	160.6
172.5°	157.5	157.5	156.8	156.8	156.8	156.8	156.8	156.8	156.8	157.5	158.3
175°	157.5	157.5	156.8	156.8	156.8	156.0	156.0	156.0	156.0	156.0	156.0
177.5°	157.5	157.5	156.8	156.8	156.0	156.0	156.0	156.0	156.0	156.0	156.0
180°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3



TEST NUMBER: P395834

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6	899.6
2.5°	905.7	901.9	900.4	899.6	898.8	898.1	896.6	895.0	893.5	893.5
5°	901.9	898.1	896.6	895.8	895.0	894.3	893.5	893.5	893.5	893.5
7.5°	895.8	892.0	890.5	889.7	889.7	888.9	888.9	888.9	888.2	888.9
10°	886.7	882.9	882.1	881.3	880.6	879.1	879.1	879.1	878.3	879.1
12.5°	875.2	871.4	870.7	869.9	869.2	868.4	868.4	867.6	867.6	868.4
15°	863.8	858.5	857.0	857.0	856.2	855.5	856.2	855.5	855.5	855.5
17.5°	847.1	844.8	842.5	841.0	840.2	839.5	839.5	838.7	838.7	838.7
20°	825.0	825.0	825.0	821.2	820.5	819.7	819.7	819.7	819.7	819.7
22.5°	803.7	799.9	802.9	800.7	799.1	797.6	798.4	798.4	798.4	798.4
25°	780.1	777.1	777.8	778.6	777.1	774.8	774.8	774.8	774.8	774.0
27.5°	755.0	752.7	752.0	752.7	754.2	752.7	750.4	748.1	748.9	748.9
30°	727.6	726.8	726.1	724.6	726.1	726.8	723.0	722.3	722.3	722.3
32.5°	700.2	699.4	697.2	695.6	696.4	697.9	696.4	694.9	694.9	694.9
35°	672.8	669.8	667.5	666.7	666.7	668.2	667.5	665.2	665.2	665.2
37.5°	640.8	641.6	637.8	637.0	637.0	637.0	638.6	634.7	635.5	634.7
40°	609.6	610.4	608.1	605.8	606.6	605.1	607.3	603.5	603.5	603.5
42.5°	578.4	576.9	577.7	573.1	573.9	573.9	574.6	572.3	571.6	570.8
45°	546.5	544.9	544.2	541.9	541.9	541.1	541.1	538.1	538.1	538.1
47.5°	513.0	512.2	510.7	509.2	509.2	508.4	506.9	506.1	505.4	505.4
50°	481.0	478.7	476.4	477.2	476.4	475.7	474.2	473.4	472.6	471.9
52.5°	446.8	446.8	443.7	443.7	443.7	443.0	441.4	439.9	439.9	439.1
55°	413.3	412.5	410.2	409.5	410.2	409.5	407.9	406.4	406.4	405.7
57.5°	379.8	378.3	377.5	377.5	376.7	376.7	374.5	372.9	373.7	372.9
60°	345.5	345.5	344.8	344.0	344.0	343.2	341.0	341.0	341.0	340.2
62.5°	312.8	312.8	311.3	310.5	311.3	310.5	309.8	309.0	308.2	307.5
65°	278.6	279.3	277.8	278.6	278.6	277.0	277.0	276.3	276.3	275.5
67.5°	246.6	246.6	245.8	245.8	246.6	245.8	245.8	245.1	245.1	244.3
70°	213.9	215.4	214.6	214.6	214.6	213.9	213.9	213.9	213.1	213.9
72.5°	181.1	181.1	181.1	181.1	181.1	181.9	181.9	181.9	181.9	181.1
75°	150.7	151.5	150.7	151.5	152.2	152.2	152.2	152.2	153.0	152.2
77.5°	121.0	121.8	121.8	123.3	123.3	123.3	124.1	124.1	124.1	124.1
80°	92.9	93.6	94.4	95.9	95.9	97.4	98.2	98.2	98.2	98.2
82.5°	67.0	69.3	70.0	72.3	73.1	73.1	74.6	75.3	75.3	75.3
85°	46.4	48.7	50.2	51.8	53.3	53.3	54.8	54.8	55.6	55.6
87.5°	28.9	31.2	32.7	35.0	35.8	36.5	37.3	38.1	38.8	38.8
90°	16.0	17.5	19.0	20.5	20.5	21.3	22.1	22.8	23.6	23.6
92.5°	11.4	12.2	13.7	14.5	14.5	15.2	16.0	16.0	16.7	16.7
95°	12.9	13.7	13.7	14.5	14.5	14.5	15.2	15.2	15.2	15.2
97.5°	19.8	19.8	19.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0
100°	25.9	26.6	26.6	26.6	27.4	27.4	27.4	27.4	26.6	26.6
102.5°	28.9	29.7	30.4	31.2	31.2	31.2	32.0	32.0	32.0	32.0
105°	32.7	32.7	33.5	34.2	34.2	34.2	35.0	35.0	35.0	35.0
107.5°	37.3	37.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
110°	42.6	42.6	42.6	41.9	42.6	41.9	41.9	41.9	41.9	41.9



TEST NUMBER: P395834

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5700K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.7	47.9	47.9	47.2	47.2	47.2	46.4	46.4	46.4	46.4
115°	58.6	54.8	53.3	51.8	51.8	51.8	51.0	51.0	51.0	51.0
117.5°	70.8	65.5	62.4	59.4	58.6	57.8	56.3	56.3	55.6	55.6
120°	83.7	78.4	73.8	70.0	68.5	67.7	65.5	63.9	62.4	62.4
122.5°	95.9	90.6	86.0	82.2	80.7	79.2	76.9	75.3	73.8	73.8
125°	108.1	102.7	98.2	94.4	92.1	90.6	88.3	86.8	85.2	85.2
127.5°	121.0	114.2	109.6	105.8	103.5	102.7	99.7	98.2	96.7	96.7
130°	135.5	127.1	121.0	116.4	114.9	113.4	111.1	109.6	108.1	108.1
132.5°	149.9	141.6	134.7	128.6	126.3	124.8	121.8	120.3	118.7	118.7
135°	163.6	156.0	149.2	143.1	140.8	138.5	135.5	132.4	130.9	130.9
137.5°	174.3	169.0	162.9	157.5	155.3	153.0	149.9	146.9	144.6	145.4
140°	183.4	178.9	175.0	171.2	169.0	167.4	164.4	162.1	159.8	159.8
142.5°	191.8	188.0	184.2	181.1	180.4	179.6	177.3	175.0	173.5	173.5
145°	199.4	197.1	194.1	190.3	189.5	188.7	186.5	184.9	184.2	184.2
147.5°	201.7	202.4	201.7	199.4	198.6	197.9	196.4	194.8	194.1	194.1
150°	200.2	203.2	204.7	204.7	204.7	204.7	204.7	203.2	202.4	202.4
152.5°	195.6	200.2	203.2	205.5	206.3	207.0	207.0	207.8	207.0	207.0
155°	190.3	194.8	199.4	201.7	203.2	204.0	205.5	206.3	207.0	206.3
157.5°	184.2	188.0	191.0	195.6	197.1	198.6	200.2	201.7	202.4	201.7
160°	178.9	181.9	184.2	187.2	188.0	189.5	191.0	191.8	193.3	192.6
162.5°	173.5	175.8	178.1	179.6	181.1	181.9	183.4	184.2	184.9	184.2
165°	169.7	171.2	172.0	173.5	174.3	175.0	175.8	176.6	176.6	176.6
167.5°	165.2	166.7	167.4	168.2	169.0	169.7	169.7	170.5	170.5	170.5
170°	161.4	162.1	162.9	163.6	163.6	164.4	164.4	164.4	165.2	164.4
172.5°	158.3	158.3	158.3	159.1	159.1	159.1	159.1	159.1	159.1	158.3
175°	156.8	156.8	156.0	156.0	156.0	156.0	156.0	155.3	154.5	153.7
177.5°	156.0	155.3	155.3	154.5	154.5	154.5	153.7	153.0	152.2	151.5
180°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3

(END OF REPORT)