

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: P395833

Luminaire Tested: **I3-WL-30L82765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395833
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 (5000K)
Description: CORELITE I3, DOWNLIGHT TRAY
3000 LUMENS, VIVIDTUNE TUNABLE WHITE
Light Source: 2700K/6500K CCT, 80 CRI LEDS, TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2943.2 lumens
Efficiency: N/A
Efficacy: 111.5 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

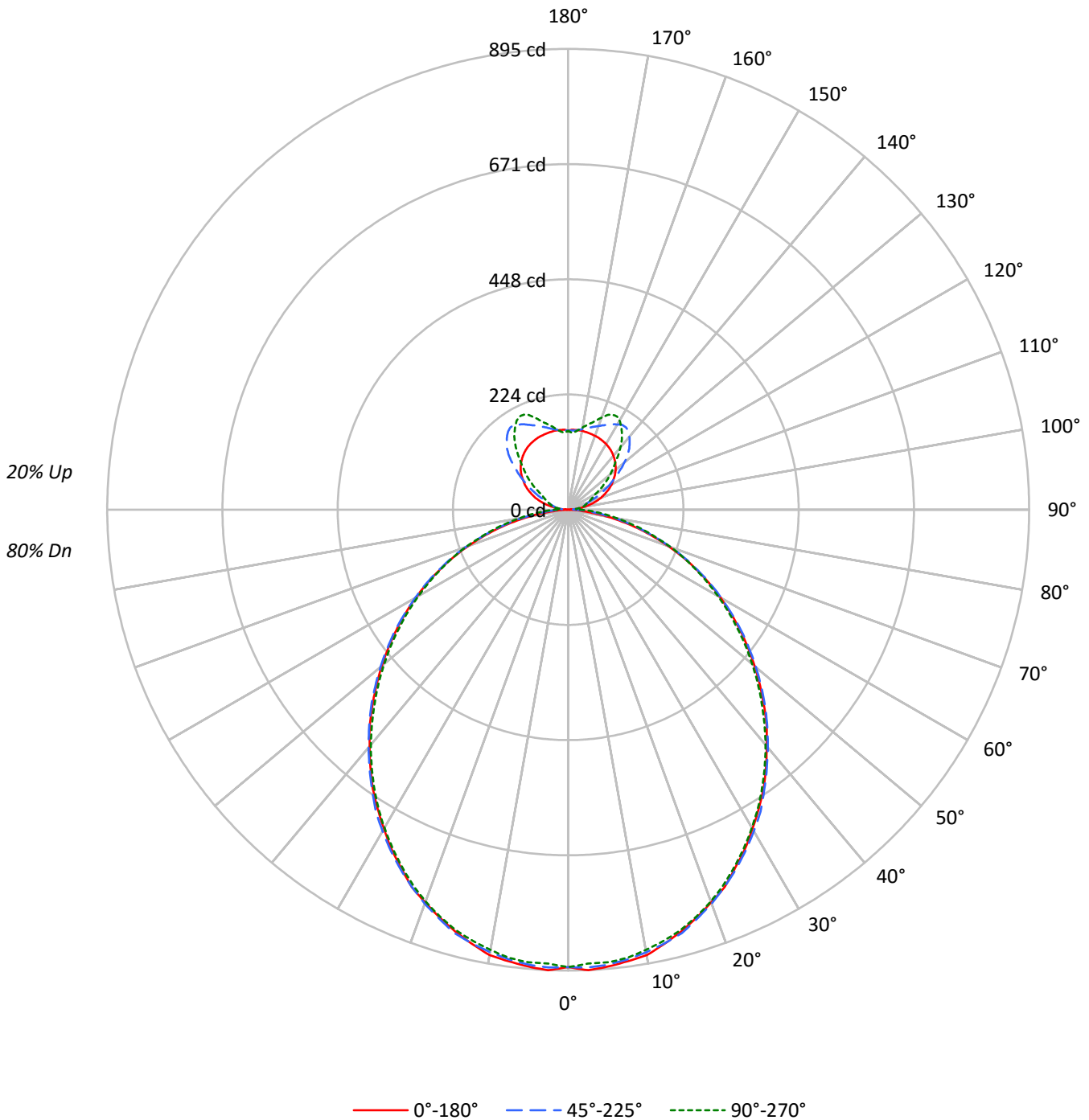
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

Luminous Intensity Polar Plot





TEST NUMBER: P395833

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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°	4883	4883	4883
5°	4896	4782	4731
10°	4867	4652	4576
15°	4770	4524	4413
20°	4675	4341	4223
25°	4563	4157	4012
30°	4432	3966	3797
35°	4310	3755	3574
40°	4155	3536	3342
45°	4007	3323	3098
50°	3848	3090	2852
55°	3680	2851	2601
60°	3493	2586	2342
65°	3279	2297	2064
70°	2974	1962	1772
75°	2562	1554	1422
80°	1956	1120	1062
85°	1023	668	720



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CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	2.9
10°-20°	238.1	8.1
20°-30°	352.5	12.0
30°-40°	412.0	14.0
40°-50°	413.9	14.1
50°-60°	363.7	12.4
60°-70°	272.5	9.3
70°-80°	155.0	5.3
80°-90°	48.9	1.7
90°-100°	17.6	0.6
100°-110°	43.0	1.5
110°-120°	71.4	2.4
120°-130°	100.2	3.4
130°-140°	115.5	3.9
140°-150°	110.3	3.7
150°-160°	82.9	2.8
160°-170°	46.9	1.6
170°-180°	14.9	0.5
0°-30°	674.5	22.9
0°-40°	1086.5	36.9
0°-60°	1864.1	63.3
0°-90°	2340.6	79.5
90°-120°	132.0	4.5
90°-150°	457.9	15.6
90°-180°	603.0	20.5
0°-180°	2943.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	891	882	887	884	882	85
15°	848	840	852	846	845	239
25°	767	765	770	767	764	354
35°	661	656	664	658	657	413
45°	537	537	541	535	531	415
55°	407	409	410	405	401	364
65°	275	276	277	275	272	272
75°	140	142	146	150	150	148
85°	24	32	43	53	55	31
90°	1	4	14	20	23	2
95°	13	13	13	14	15	14
105°	50	43	32	34	35	53
115°	83	103	63	51	50	82
125°	109	150	114	91	84	98
135°	129	164	168	139	129	100
145°	143	162	195	187	182	89
155°	150	159	182	201	204	69
165°	154	156	165	172	174	44
175°	156	154	154	154	152	15
180°	153	153	153	153	153	



TEST NUMBER: P395833

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4
2.5°	895.2	893.7	889.9	886.1	885.4	884.6	884.6	883.9	883.9	885.4	889.9
5°	890.6	889.9	886.1	882.4	881.6	881.6	880.9	880.9	880.9	882.4	886.9
7.5°	884.6	883.1	879.4	875.6	874.9	874.9	874.9	874.1	874.9	875.6	880.9
10°	878.6	877.9	874.1	869.6	868.1	868.1	867.3	865.8	865.8	867.3	872.6
12.5°	863.6	862.8	859.1	856.1	856.1	856.8	856.8	857.6	857.6	859.1	862.8
15°	847.8	847.1	843.3	840.3	840.3	840.3	839.5	839.5	840.3	844.8	851.6
17.5°	830.5	829.8	826.8	823.8	823.8	823.8	823.0	823.0	823.8	826.0	832.8
20°	811.7	811.0	808.0	805.0	805.0	805.0	804.2	805.0	805.0	808.0	814.0
22.5°	793.7	792.2	788.4	785.4	783.9	783.9	783.9	783.2	784.7	786.9	792.9
25°	767.4	766.6	765.1	762.9	764.4	765.1	763.6	762.1	762.1	765.1	770.4
27.5°	743.3	741.8	739.6	737.3	735.8	736.6	737.3	738.8	741.1	741.8	746.3
30°	715.5	714.8	712.5	709.5	710.3	711.0	711.0	711.0	712.5	719.3	720.8
32.5°	688.5	687.7	685.5	682.5	683.2	684.0	683.2	684.0	685.5	688.5	695.2
35°	661.4	659.9	657.6	656.9	656.1	656.1	656.1	656.9	657.6	659.9	663.7
37.5°	630.6	629.1	627.6	625.3	626.8	628.3	629.1	628.3	629.1	632.1	633.6
40°	599.8	599.0	597.5	596.0	596.8	597.5	596.8	599.0	600.5	602.0	602.8
42.5°	570.5	569.0	567.5	566.7	566.7	567.5	567.5	569.0	569.0	572.7	572.0
45°	537.4	536.6	535.9	535.9	536.6	536.6	536.6	537.4	538.1	540.4	541.2
47.5°	505.1	504.3	504.3	504.3	504.3	505.1	505.8	508.1	506.6	507.3	508.1
50°	472.8	472.0	472.0	472.0	473.5	473.5	475.0	475.8	476.5	475.0	475.8
52.5°	439.7	438.9	440.4	440.4	441.9	441.9	444.2	441.9	443.4	442.7	442.7
55°	407.4	406.6	408.1	407.4	408.9	408.9	410.4	411.1	410.4	410.4	410.4
57.5°	374.3	373.5	374.3	375.0	375.8	375.8	378.1	378.1	375.8	377.3	376.6
60°	341.2	340.5	341.2	342.0	342.7	342.7	343.5	342.0	343.5	344.2	343.5
62.5°	308.2	307.4	308.9	308.2	308.9	309.7	309.7	311.9	311.2	311.2	310.4
65°	275.1	274.3	274.3	274.3	275.1	275.8	276.6	277.3	277.3	278.1	277.3
67.5°	241.3	240.5	241.3	240.5	241.3	242.0	243.5	244.3	244.3	245.0	244.3
70°	206.7	207.4	206.7	207.4	208.2	208.9	209.7	211.2	211.2	211.2	211.2
72.5°	172.9	172.1	172.1	171.4	172.9	173.6	174.4	176.6	176.6	177.4	177.4
75°	139.8	138.3	139.0	138.3	141.3	142.1	142.1	144.3	145.1	146.6	145.8
77.5°	107.5	107.5	106.0	108.2	109.0	110.5	112.0	113.5	114.2	116.5	116.5
80°	76.7	76.7	75.9	77.4	80.4	81.2	83.4	84.2	86.4	87.9	88.7
82.5°	48.9	48.9	48.9	51.1	53.4	54.1	56.4	58.6	60.1	62.4	63.1
85°	24.1	25.6	25.6	28.6	30.1	31.6	32.3	35.3	37.6	40.6	42.8
87.5°	7.5	8.3	9.0	10.5	13.5	14.3	15.8	18.8	21.0	24.1	26.3
90°	0.8	0.8	1.5	2.3	3.8	4.5	6.0	7.5	9.8	12.0	13.5
92.5°	5.3	5.3	6.0	6.0	6.0	6.0	6.0	6.8	7.5	9.0	9.8
95°	12.8	20.3	12.0	11.3	12.8	12.8	13.5	12.8	12.8	12.8	12.8
97.5°	21.0	37.6	24.8	17.3	16.5	17.3	17.3	18.8	19.5	20.3	20.3
100°	30.8	47.4	43.6	28.6	23.3	22.5	22.5	22.5	23.3	24.1	24.8
102.5°	40.6	54.1	62.4	44.3	33.1	30.1	28.6	27.8	27.1	27.8	27.8
105°	50.4	60.9	76.7	60.1	47.4	42.8	38.3	33.1	32.3	32.3	32.3
107.5°	59.4	67.6	87.2	78.2	61.6	57.1	51.9	43.6	38.3	37.6	36.8
110°	67.6	74.4	94.7	93.2	77.4	70.7	66.1	57.1	49.6	44.3	42.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	75.2	81.2	100.0	106.0	94.7	86.4	79.7	70.7	62.4	55.6	50.4
115°	82.7	87.9	104.5	116.5	109.7	103.0	95.5	84.2	75.9	69.1	63.1
117.5°	90.2	94.7	109.0	124.0	122.5	118.0	112.0	98.5	88.7	81.9	75.2
120°	97.0	101.5	113.5	129.3	133.8	130.0	126.3	114.2	102.2	94.7	88.7
122.5°	103.0	106.7	118.0	133.8	142.1	141.3	137.5	129.3	117.2	108.2	100.7
125°	109.0	112.7	122.5	136.8	148.1	150.3	148.8	142.1	133.0	122.5	113.5
127.5°	115.0	118.0	127.0	139.8	152.6	157.1	157.8	153.3	146.6	137.5	127.8
130°	120.3	123.3	130.8	142.1	155.6	160.8	163.8	163.1	157.8	151.8	142.1
132.5°	124.8	127.0	134.5	144.3	157.1	163.1	167.6	171.4	167.6	163.1	156.3
135°	129.3	131.5	137.5	146.6	157.8	163.8	169.9	175.9	176.6	172.9	167.6
137.5°	133.0	134.5	140.5	148.1	157.8	163.8	169.9	178.1	182.6	181.1	176.6
140°	136.8	138.3	142.8	150.3	158.6	163.8	169.1	178.9	184.9	187.1	184.9
142.5°	139.8	141.3	145.1	151.8	158.6	163.1	168.4	177.4	185.6	190.2	191.7
145°	142.8	143.6	147.3	152.6	158.6	162.3	166.9	175.9	184.1	190.9	195.4
147.5°	145.1	145.8	148.1	153.3	158.6	161.6	165.4	172.9	181.1	188.7	195.4
150°	147.3	147.3	149.6	153.3	158.6	160.8	163.8	170.6	177.4	184.9	190.9
152.5°	148.8	148.8	151.1	154.1	157.8	160.1	163.1	168.4	174.4	181.1	187.1
155°	150.3	150.3	151.8	154.1	157.8	159.3	161.6	166.1	171.4	176.6	181.9
157.5°	151.8	151.8	152.6	154.8	157.1	158.6	160.8	164.6	168.4	172.9	177.4
160°	152.6	152.6	153.3	154.8	156.3	157.8	159.3	162.3	166.1	169.1	172.9
162.5°	153.3	153.3	154.1	154.8	156.3	157.1	157.8	160.8	163.1	166.1	169.1
165°	154.1	154.1	154.1	154.8	155.6	156.3	157.1	158.6	160.8	163.1	165.4
167.5°	154.8	154.8	154.8	154.8	155.6	155.6	156.3	157.1	158.6	160.1	161.6
170°	155.6	154.8	154.8	155.6	154.8	154.8	155.6	156.3	156.3	157.8	158.6
172.5°	155.6	155.6	154.8	154.8	154.8	154.8	154.8	154.8	154.8	155.6	156.3
175°	155.6	155.6	154.8	154.8	154.8	154.1	154.1	154.1	154.1	154.1	154.1
177.5°	155.6	155.6	154.8	154.8	154.1	154.1	154.1	154.1	154.1	154.1	154.1
180°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3



TEST NUMBER: P395833

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4	888.4
2.5°	894.4	890.6	889.1	888.4	887.6	886.9	885.4	883.9	882.4	882.4
5°	890.6	886.9	885.4	884.6	883.9	883.1	882.4	882.4	882.4	882.4
7.5°	884.6	880.9	879.4	878.6	878.6	877.9	877.9	877.9	877.1	877.9
10°	875.6	871.9	871.1	870.4	869.6	868.1	868.1	868.1	867.3	868.1
12.5°	864.3	860.6	859.8	859.1	858.3	857.6	857.6	856.8	856.8	857.6
15°	853.1	847.8	846.3	846.3	845.5	844.8	845.5	844.8	844.8	844.8
17.5°	836.5	834.3	832.0	830.5	829.8	829.0	829.0	828.3	828.3	828.3
20°	814.7	814.7	814.7	811.0	810.2	809.5	809.5	809.5	809.5	809.5
22.5°	793.7	789.9	792.9	790.7	789.2	787.7	788.4	788.4	788.4	788.4
25°	770.4	767.4	768.1	768.9	767.4	765.1	765.1	765.1	765.1	764.4
27.5°	745.6	743.3	742.6	743.3	744.8	743.3	741.1	738.8	739.6	739.6
30°	718.5	717.8	717.0	715.5	717.0	717.8	714.0	713.3	713.3	713.3
32.5°	691.5	690.7	688.5	687.0	687.7	689.2	687.7	686.2	686.2	686.2
35°	664.4	661.4	659.2	658.4	658.4	659.9	659.2	656.9	656.9	656.9
37.5°	632.8	633.6	629.8	629.1	629.1	629.1	630.6	626.8	627.6	626.8
40°	602.0	602.8	600.5	598.3	599.0	597.5	599.8	596.0	596.0	596.0
42.5°	571.2	569.7	570.5	566.0	566.7	566.7	567.5	565.2	564.5	563.7
45°	539.6	538.1	537.4	535.1	535.1	534.4	534.4	531.4	531.4	531.4
47.5°	506.6	505.8	504.3	502.8	502.8	502.1	500.6	499.8	499.1	499.1
50°	475.0	472.8	470.5	471.3	470.5	469.7	468.2	467.5	466.7	466.0
52.5°	441.2	441.2	438.2	438.2	438.2	437.4	435.9	434.4	434.4	433.7
55°	408.1	407.4	405.1	404.4	405.1	404.4	402.9	401.4	401.4	400.6
57.5°	375.0	373.5	372.8	372.8	372.0	372.0	369.8	368.3	369.0	368.3
60°	341.2	341.2	340.5	339.7	339.7	339.0	336.7	336.7	336.7	336.0
62.5°	308.9	308.9	307.4	306.7	307.4	306.7	305.9	305.1	304.4	303.6
65°	275.1	275.8	274.3	275.1	275.1	273.6	273.6	272.8	272.8	272.1
67.5°	243.5	243.5	242.8	242.8	243.5	242.8	242.8	242.0	242.0	241.3
70°	211.2	212.7	212.0	212.0	212.0	211.2	211.2	211.2	210.4	211.2
72.5°	178.9	178.9	178.9	178.9	178.9	179.6	179.6	179.6	179.6	178.9
75°	148.8	149.6	148.8	149.6	150.3	150.3	150.3	150.3	151.1	150.3
77.5°	119.5	120.3	120.3	121.8	121.8	121.8	122.5	122.5	122.5	122.5
80°	91.7	92.4	93.2	94.7	94.7	96.2	97.0	97.0	97.0	97.0
82.5°	66.1	68.4	69.1	71.4	72.2	72.2	73.7	74.4	74.4	74.4
85°	45.8	48.1	49.6	51.1	52.6	52.6	54.1	54.1	54.9	54.9
87.5°	28.6	30.8	32.3	34.6	35.3	36.1	36.8	37.6	38.3	38.3
90°	15.8	17.3	18.8	20.3	20.3	21.0	21.8	22.5	23.3	23.3
92.5°	11.3	12.0	13.5	14.3	14.3	15.0	15.8	15.8	16.5	16.5
95°	12.8	13.5	13.5	14.3	14.3	14.3	15.0	15.0	15.0	15.0
97.5°	19.5	19.5	19.5	18.8	18.8	18.8	18.8	18.8	18.8	18.8
100°	25.6	26.3	26.3	26.3	27.1	27.1	27.1	27.1	26.3	26.3
102.5°	28.6	29.3	30.1	30.8	30.8	30.8	31.6	31.6	31.6	31.6
105°	32.3	32.3	33.1	33.8	33.8	33.8	34.6	34.6	34.6	34.6
107.5°	36.8	36.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
110°	42.1	42.1	42.1	41.3	42.1	41.3	41.3	41.3	41.3	41.3



TEST NUMBER: P395833

CATALOG NUMBER: I3-WL-30L82765-1D-UNV-W2A-W-4 (5000K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.1	47.4	47.4	46.6	46.6	46.6	45.8	45.8	45.8	45.8
115°	57.9	54.1	52.6	51.1	51.1	51.1	50.4	50.4	50.4	50.4
117.5°	69.9	64.6	61.6	58.6	57.9	57.1	55.6	55.6	54.9	54.9
120°	82.7	77.4	72.9	69.1	67.6	66.9	64.6	63.1	61.6	61.6
122.5°	94.7	89.4	84.9	81.2	79.7	78.2	75.9	74.4	72.9	72.9
125°	106.7	101.5	97.0	93.2	90.9	89.4	87.2	85.7	84.2	84.2
127.5°	119.5	112.7	108.2	104.5	102.2	101.5	98.5	97.0	95.5	95.5
130°	133.8	125.5	119.5	115.0	113.5	112.0	109.7	108.2	106.7	106.7
132.5°	148.1	139.8	133.0	127.0	124.8	123.3	120.3	118.8	117.2	117.2
135°	161.6	154.1	147.3	141.3	139.0	136.8	133.8	130.8	129.3	129.3
137.5°	172.1	166.9	160.8	155.6	153.3	151.1	148.1	145.1	142.8	143.6
140°	181.1	176.6	172.9	169.1	166.9	165.4	162.3	160.1	157.8	157.8
142.5°	189.4	185.6	181.9	178.9	178.1	177.4	175.1	172.9	171.4	171.4
145°	196.9	194.7	191.7	187.9	187.1	186.4	184.1	182.6	181.9	181.9
147.5°	199.2	199.9	199.2	196.9	196.2	195.4	193.9	192.4	191.7	191.7
150°	197.7	200.7	202.2	202.2	202.2	202.2	202.2	200.7	199.9	199.9
152.5°	193.2	197.7	200.7	202.9	203.7	204.4	204.4	205.2	204.4	204.4
155°	187.9	192.4	196.9	199.2	200.7	201.4	202.9	203.7	204.4	203.7
157.5°	181.9	185.6	188.7	193.2	194.7	196.2	197.7	199.2	199.9	199.2
160°	176.6	179.6	181.9	184.9	185.6	187.1	188.7	189.4	190.9	190.2
162.5°	171.4	173.6	175.9	177.4	178.9	179.6	181.1	181.9	182.6	181.9
165°	167.6	169.1	169.9	171.4	172.1	172.9	173.6	174.4	174.4	174.4
167.5°	163.1	164.6	165.4	166.1	166.9	167.6	167.6	168.4	168.4	168.4
170°	159.3	160.1	160.8	161.6	161.6	162.3	162.3	162.3	163.1	162.3
172.5°	156.3	156.3	156.3	157.1	157.1	157.1	157.1	157.1	157.1	156.3
175°	154.8	154.8	154.1	154.1	154.1	154.1	154.1	153.3	152.6	151.8
177.5°	154.1	153.3	153.3	152.6	152.6	152.6	151.8	151.1	150.3	149.6
180°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3

(END OF REPORT)