

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: P395819

Luminaire Tested: **I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)**

Issue Date: 5/6/2020

Test Information

Test Method: LM-79-08
Report Number: P395819
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-20L92765-1D-UNV-W2A-W-4 (4500K)
Description: CORELITE I3, DOWNLIGHT TRAY
2000 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: 1778.9 lumens
Efficiency: N/A
Efficacy: 102.8 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

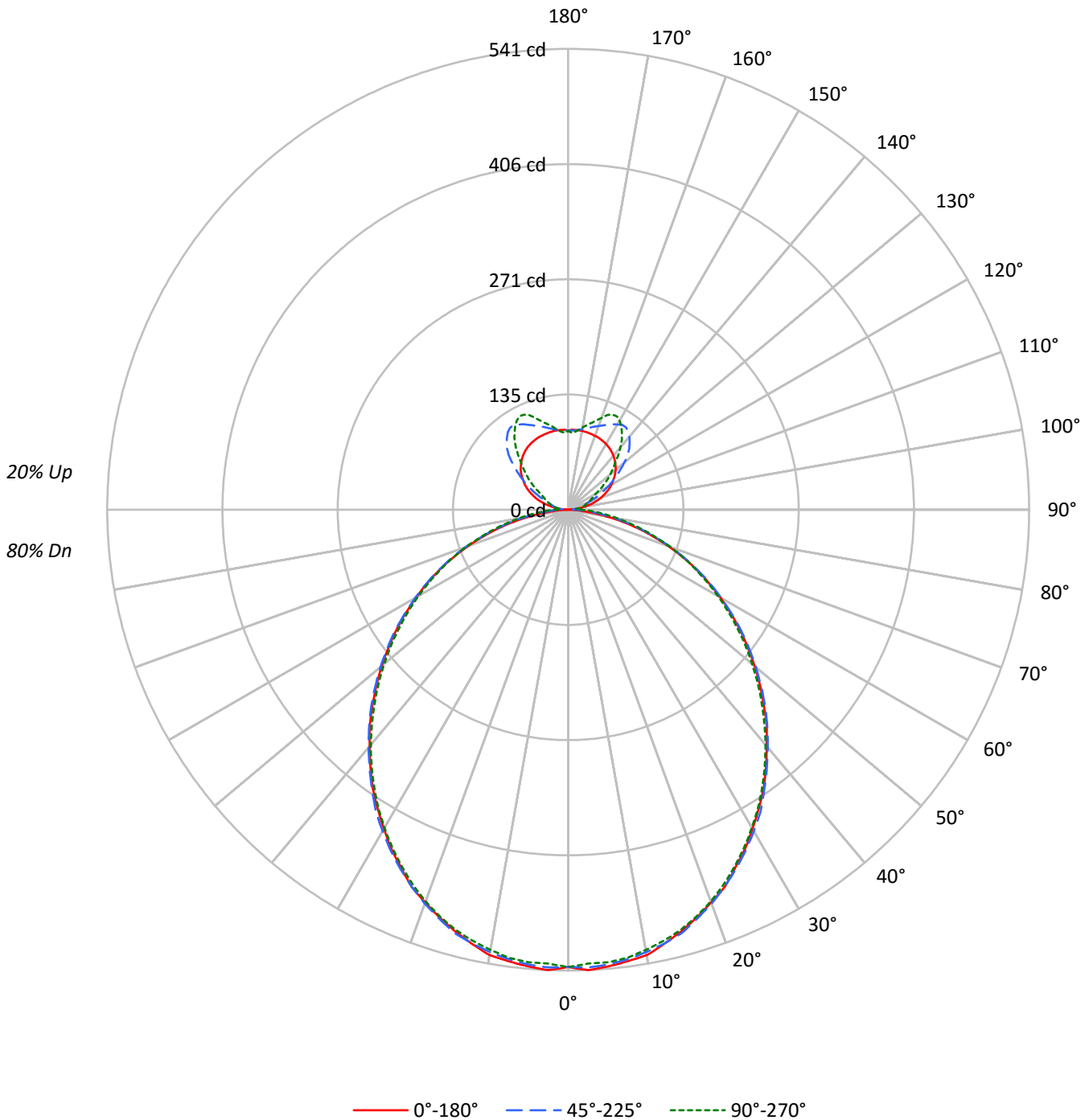
Input Watts (W): 17.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

Luminous Intensity Polar Plot





TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

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°	2951	2951	2951
5°	2959	2890	2859
10°	2942	2812	2766
15°	2883	2734	2667
20°	2826	2624	2552
25°	2758	2512	2425
30°	2679	2397	2295
35°	2605	2269	2160
40°	2511	2137	2020
45°	2422	2009	1873
50°	2325	1867	1723
55°	2224	1723	1572
60°	2111	1563	1415
65°	1982	1388	1247
70°	1797	1185	1070
75°	1549	939	860
80°	1181	677	642
85°	615	405	435



TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	2.9
10°-20°	143.9	8.1
20°-30°	213.1	12.0
30°-40°	249.0	14.0
40°-50°	250.1	14.1
50°-60°	219.8	12.4
60°-70°	164.7	9.3
70°-80°	93.7	5.3
80°-90°	29.6	1.7
90°-100°	10.7	0.6
100°-110°	26.0	1.5
110°-120°	43.2	2.4
120°-130°	60.5	3.4
130°-140°	69.8	3.9
140°-150°	66.6	3.7
150°-160°	50.1	2.8
160°-170°	28.4	1.6
170°-180°	9.0	0.5
0°-30°	407.7	22.9
0°-40°	656.7	36.9
0°-60°	1126.6	63.3
0°-90°	1414.6	79.5
90°-120°	79.8	4.5
90°-150°	276.8	15.6
90°-180°	364.0	20.5
0°-180°	1778.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	537	537	537	537	537	
5°	538	533	536	534	533	51
15°	512	508	515	511	511	144
25°	464	462	466	464	462	214
35°	400	397	401	398	397	250
45°	325	324	327	323	321	251
55°	246	247	248	245	242	220
65°	166	167	168	166	164	164
75°	84	86	88	91	91	90
85°	14	19	26	32	33	19
90°	0	3	8	12	14	1
95°	8	8	8	9	9	9
105°	30	26	20	20	21	32
115°	50	62	38	31	30	49
125°	66	91	69	55	51	59
135°	78	99	101	84	78	60
145°	86	98	118	113	110	54
155°	91	96	110	121	123	42
165°	93	94	100	104	105	26
175°	94	93	93	93	92	9
180°	93	93	93	93	93	



TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9
2.5°	541.0	540.1	537.8	535.6	535.1	534.7	534.7	534.2	534.2	535.1	537.8
5°	538.3	537.8	535.6	533.3	532.9	532.9	532.4	532.4	532.4	533.3	536.0
7.5°	534.7	533.8	531.5	529.2	528.8	528.8	528.8	528.3	528.8	529.2	532.4
10°	531.0	530.6	528.3	525.6	524.7	524.7	524.2	523.3	523.3	524.2	527.4
12.5°	521.9	521.5	519.2	517.4	517.4	517.9	517.9	518.3	518.3	519.2	521.5
15°	512.4	512.0	509.7	507.9	507.9	507.9	507.4	507.4	507.9	510.6	514.7
17.5°	502.0	501.5	499.7	497.9	497.9	497.9	497.4	497.4	497.9	499.2	503.3
20°	490.6	490.2	488.3	486.5	486.5	486.5	486.1	486.5	486.5	488.3	492.0
22.5°	479.7	478.8	476.5	474.7	473.8	473.8	473.8	473.3	474.3	475.6	479.2
25°	463.8	463.3	462.4	461.1	462.0	462.4	461.5	460.6	460.6	462.4	465.6
27.5°	449.3	448.4	447.0	445.6	444.7	445.2	445.6	446.5	447.9	448.4	451.1
30°	432.5	432.0	430.6	428.8	429.3	429.7	429.7	429.7	430.6	434.7	435.6
32.5°	416.1	415.7	414.3	412.5	412.9	413.4	412.9	413.4	414.3	416.1	420.2
35°	399.8	398.8	397.5	397.0	396.6	396.6	396.6	397.0	397.5	398.8	401.1
37.5°	381.1	380.2	379.3	377.9	378.9	379.8	380.2	379.8	380.2	382.0	382.9
40°	362.5	362.0	361.1	360.2	360.7	361.1	360.7	362.0	363.0	363.9	364.3
42.5°	344.8	343.9	343.0	342.5	342.5	343.0	343.0	343.9	343.9	346.1	345.7
45°	324.8	324.3	323.9	323.9	324.3	324.3	324.3	324.8	325.3	326.6	327.1
47.5°	305.3	304.8	304.8	304.8	304.8	305.3	305.7	307.1	306.2	306.6	307.1
50°	285.7	285.3	285.3	285.3	286.2	286.2	287.1	287.5	288.0	287.1	287.5
52.5°	265.7	265.3	266.2	266.2	267.1	267.1	268.5	267.1	268.0	267.6	267.6
55°	246.2	245.8	246.7	246.2	247.1	247.1	248.0	248.5	248.0	248.0	248.0
57.5°	226.2	225.8	226.2	226.7	227.1	227.1	228.5	228.5	227.1	228.0	227.6
60°	206.2	205.8	206.2	206.7	207.1	207.1	207.6	206.7	207.6	208.1	207.6
62.5°	186.2	185.8	186.7	186.2	186.7	187.2	187.2	188.5	188.1	188.1	187.6
65°	166.3	165.8	165.8	165.8	166.3	166.7	167.2	167.6	167.6	168.1	167.6
67.5°	145.8	145.4	145.8	145.4	145.8	146.3	147.2	147.6	147.6	148.1	147.6
70°	124.9	125.4	124.9	125.4	125.8	126.3	126.7	127.6	127.6	127.6	127.6
72.5°	104.5	104.0	104.0	103.6	104.5	104.9	105.4	106.8	106.8	107.2	107.2
75°	84.5	83.6	84.0	83.6	85.4	85.9	85.9	87.2	87.7	88.6	88.1
77.5°	65.0	65.0	64.1	65.4	65.9	66.8	67.7	68.6	69.0	70.4	70.4
80°	46.3	46.3	45.9	46.8	48.6	49.1	50.4	50.9	52.2	53.1	53.6
82.5°	29.5	29.5	29.5	30.9	32.3	32.7	34.1	35.4	36.3	37.7	38.2
85°	14.5	15.4	15.4	17.3	18.2	19.1	19.5	21.4	22.7	24.5	25.9
87.5°	4.5	5.0	5.5	6.4	8.2	8.6	9.5	11.4	12.7	14.5	15.9
90°	0.5	0.5	0.9	1.4	2.3	2.7	3.6	4.5	5.9	7.3	8.2
92.5°	3.2	3.2	3.6	3.6	3.6	3.6	3.6	4.1	4.5	5.5	5.9
95°	7.7	12.3	7.3	6.8	7.7	7.7	8.2	7.7	7.7	7.7	7.7
97.5°	12.7	22.7	15.0	10.4	10.0	10.4	10.4	11.4	11.8	12.3	12.3
100°	18.6	28.6	26.3	17.3	14.1	13.6	13.6	13.6	14.1	14.5	15.0
102.5°	24.5	32.7	37.7	26.8	20.0	18.2	17.3	16.8	16.4	16.8	16.8
105°	30.4	36.8	46.3	36.3	28.6	25.9	23.2	20.0	19.5	19.5	19.5
107.5°	35.9	40.9	52.7	47.2	37.2	34.5	31.3	26.3	23.2	22.7	22.3
110°	40.9	45.0	57.2	56.3	46.8	42.7	40.0	34.5	30.0	26.8	25.4



TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	45.4	49.1	60.4	64.1	57.2	52.2	48.2	42.7	37.7	33.6	30.4
115°	50.0	53.1	63.1	70.4	66.3	62.2	57.7	50.9	45.9	41.8	38.2
117.5°	54.5	57.2	65.9	75.0	74.0	71.3	67.7	59.5	53.6	49.5	45.4
120°	58.6	61.3	68.6	78.1	80.9	78.6	76.3	69.0	61.8	57.2	53.6
122.5°	62.2	64.5	71.3	80.9	85.9	85.4	83.1	78.1	70.9	65.4	60.9
125°	65.9	68.1	74.0	82.7	89.5	90.9	89.9	85.9	80.4	74.0	68.6
127.5°	69.5	71.3	76.8	84.5	92.2	94.9	95.4	92.7	88.6	83.1	77.2
130°	72.7	74.5	79.0	85.9	94.0	97.2	99.0	98.6	95.4	91.8	85.9
132.5°	75.4	76.8	81.3	87.2	94.9	98.6	101.3	103.6	101.3	98.6	94.5
135°	78.1	79.5	83.1	88.6	95.4	99.0	102.7	106.3	106.8	104.5	101.3
137.5°	80.4	81.3	84.9	89.5	95.4	99.0	102.7	107.7	110.4	109.5	106.8
140°	82.7	83.6	86.3	90.9	95.8	99.0	102.2	108.1	111.7	113.1	111.7
142.5°	84.5	85.4	87.7	91.8	95.8	98.6	101.8	107.2	112.2	114.9	115.8
145°	86.3	86.8	89.0	92.2	95.8	98.1	100.8	106.3	111.3	115.4	118.1
147.5°	87.7	88.1	89.5	92.7	95.8	97.7	99.9	104.5	109.5	114.0	118.1
150°	89.0	89.0	90.4	92.7	95.8	97.2	99.0	103.1	107.2	111.7	115.4
152.5°	89.9	89.9	91.3	93.1	95.4	96.8	98.6	101.8	105.4	109.5	113.1
155°	90.9	90.9	91.8	93.1	95.4	96.3	97.7	100.4	103.6	106.8	109.9
157.5°	91.8	91.8	92.2	93.6	94.9	95.8	97.2	99.5	101.8	104.5	107.2
160°	92.2	92.2	92.7	93.6	94.5	95.4	96.3	98.1	100.4	102.2	104.5
162.5°	92.7	92.7	93.1	93.6	94.5	94.9	95.4	97.2	98.6	100.4	102.2
165°	93.1	93.1	93.1	93.6	94.0	94.5	94.9	95.8	97.2	98.6	99.9
167.5°	93.6	93.6	93.6	93.6	94.0	94.0	94.5	94.9	95.8	96.8	97.7
170°	94.0	93.6	93.6	94.0	93.6	93.6	94.0	94.5	94.5	95.4	95.8
172.5°	94.0	94.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.0	94.5
175°	94.0	94.0	93.6	93.6	93.6	93.1	93.1	93.1	93.1	93.1	93.1
177.5°	94.0	94.0	93.6	93.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
180°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7



TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9	536.9
2.5°	540.6	538.3	537.4	536.9	536.5	536.0	535.1	534.2	533.3	533.3
5°	538.3	536.0	535.1	534.7	534.2	533.8	533.3	533.3	533.3	533.3
7.5°	534.7	532.4	531.5	531.0	531.0	530.6	530.6	530.6	530.1	530.6
10°	529.2	526.9	526.5	526.0	525.6	524.7	524.7	524.7	524.2	524.7
12.5°	522.4	520.1	519.7	519.2	518.8	518.3	518.3	517.9	517.9	518.3
15°	515.6	512.4	511.5	511.5	511.0	510.6	511.0	510.6	510.6	510.6
17.5°	505.6	504.2	502.9	502.0	501.5	501.1	501.1	500.6	500.6	500.6
20°	492.4	492.4	492.4	490.2	489.7	489.2	489.2	489.2	489.2	489.2
22.5°	479.7	477.4	479.2	477.9	477.0	476.1	476.5	476.5	476.5	476.5
25°	465.6	463.8	464.3	464.7	463.8	462.4	462.4	462.4	462.4	462.0
27.5°	450.6	449.3	448.8	449.3	450.2	449.3	447.9	446.5	447.0	447.0
30°	434.3	433.8	433.4	432.5	433.4	433.8	431.6	431.1	431.1	431.1
32.5°	417.9	417.5	416.1	415.2	415.7	416.6	415.7	414.7	414.7	414.7
35°	401.6	399.8	398.4	397.9	397.9	398.8	398.4	397.0	397.0	397.0
37.5°	382.5	382.9	380.7	380.2	380.2	380.2	381.1	378.9	379.3	378.9
40°	363.9	364.3	363.0	361.6	362.0	361.1	362.5	360.2	360.2	360.2
42.5°	345.2	344.3	344.8	342.1	342.5	342.5	343.0	341.6	341.2	340.7
45°	326.2	325.3	324.8	323.4	323.4	323.0	323.0	321.2	321.2	321.2
47.5°	306.2	305.7	304.8	303.9	303.9	303.4	302.5	302.1	301.6	301.6
50°	287.1	285.7	284.4	284.8	284.4	283.9	283.0	282.6	282.1	281.6
52.5°	266.7	266.7	264.8	264.8	264.8	264.4	263.5	262.6	262.6	262.1
55°	246.7	246.2	244.8	244.4	244.8	244.4	243.5	242.6	242.6	242.1
57.5°	226.7	225.8	225.3	225.3	224.9	224.9	223.5	222.6	223.0	222.6
60°	206.2	206.2	205.8	205.3	205.3	204.9	203.5	203.5	203.5	203.1
62.5°	186.7	186.7	185.8	185.3	185.8	185.3	184.9	184.4	184.0	183.5
65°	166.3	166.7	165.8	166.3	166.3	165.4	165.4	164.9	164.9	164.4
67.5°	147.2	147.2	146.7	146.7	147.2	146.7	146.7	146.3	146.3	145.8
70°	127.6	128.6	128.1	128.1	128.1	127.6	127.6	127.6	127.2	127.6
72.5°	108.1	108.1	108.1	108.1	108.1	108.6	108.6	108.6	108.6	108.1
75°	89.9	90.4	89.9	90.4	90.9	90.9	90.9	90.9	91.3	90.9
77.5°	72.2	72.7	72.7	73.6	73.6	73.6	74.0	74.0	74.0	74.0
80°	55.4	55.9	56.3	57.2	57.2	58.1	58.6	58.6	58.6	58.6
82.5°	40.0	41.3	41.8	43.2	43.6	43.6	44.5	45.0	45.0	45.0
85°	27.7	29.1	30.0	30.9	31.8	31.8	32.7	32.7	33.2	33.2
87.5°	17.3	18.6	19.5	20.9	21.4	21.8	22.3	22.7	23.2	23.2
90°	9.5	10.4	11.4	12.3	12.3	12.7	13.2	13.6	14.1	14.1
92.5°	6.8	7.3	8.2	8.6	8.6	9.1	9.5	9.5	10.0	10.0
95°	7.7	8.2	8.2	8.6	8.6	8.6	9.1	9.1	9.1	9.1
97.5°	11.8	11.8	11.8	11.4	11.4	11.4	11.4	11.4	11.4	11.4
100°	15.4	15.9	15.9	15.9	16.4	16.4	16.4	16.4	15.9	15.9
102.5°	17.3	17.7	18.2	18.6	18.6	18.6	19.1	19.1	19.1	19.1
105°	19.5	19.5	20.0	20.4	20.4	20.4	20.9	20.9	20.9	20.9
107.5°	22.3	22.3	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
110°	25.4	25.4	25.4	25.0	25.4	25.0	25.0	25.0	25.0	25.0



TEST NUMBER: P395819

CATALOG NUMBER: I3-WL-20L92765-1D-UNV-W2A-W-4 (4500K)

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	29.1	28.6	28.6	28.2	28.2	28.2	27.7	27.7	27.7	27.7
115°	35.0	32.7	31.8	30.9	30.9	30.9	30.4	30.4	30.4	30.4
117.5°	42.2	39.1	37.2	35.4	35.0	34.5	33.6	33.6	33.2	33.2
120°	50.0	46.8	44.1	41.8	40.9	40.4	39.1	38.2	37.2	37.2
122.5°	57.2	54.1	51.3	49.1	48.2	47.2	45.9	45.0	44.1	44.1
125°	64.5	61.3	58.6	56.3	55.0	54.1	52.7	51.8	50.9	50.9
127.5°	72.2	68.1	65.4	63.1	61.8	61.3	59.5	58.6	57.7	57.7
130°	80.9	75.9	72.2	69.5	68.6	67.7	66.3	65.4	64.5	64.5
132.5°	89.5	84.5	80.4	76.8	75.4	74.5	72.7	71.8	70.9	70.9
135°	97.7	93.1	89.0	85.4	84.0	82.7	80.9	79.0	78.1	78.1
137.5°	104.0	100.8	97.2	94.0	92.7	91.3	89.5	87.7	86.3	86.8
140°	109.5	106.8	104.5	102.2	100.8	99.9	98.1	96.8	95.4	95.4
142.5°	114.5	112.2	109.9	108.1	107.7	107.2	105.8	104.5	103.6	103.6
145°	119.0	117.7	115.8	113.6	113.1	112.7	111.3	110.4	109.9	109.9
147.5°	120.4	120.8	120.4	119.0	118.6	118.1	117.2	116.3	115.8	115.8
150°	119.5	121.3	122.2	122.2	122.2	122.2	122.2	121.3	120.8	120.8
152.5°	116.7	119.5	121.3	122.7	123.1	123.6	123.6	124.0	123.6	123.6
155°	113.6	116.3	119.0	120.4	121.3	121.7	122.7	123.1	123.6	123.1
157.5°	109.9	112.2	114.0	116.7	117.7	118.6	119.5	120.4	120.8	120.4
160°	106.8	108.6	109.9	111.7	112.2	113.1	114.0	114.5	115.4	114.9
162.5°	103.6	104.9	106.3	107.2	108.1	108.6	109.5	109.9	110.4	109.9
165°	101.3	102.2	102.7	103.6	104.0	104.5	104.9	105.4	105.4	105.4
167.5°	98.6	99.5	99.9	100.4	100.8	101.3	101.3	101.8	101.8	101.8
170°	96.3	96.8	97.2	97.7	97.7	98.1	98.1	98.1	98.6	98.1
172.5°	94.5	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.5
175°	93.6	93.6	93.1	93.1	93.1	93.1	93.1	92.7	92.2	91.8
177.5°	93.1	92.7	92.7	92.2	92.2	92.2	91.8	91.3	90.9	90.4
180°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

(END OF REPORT)