

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: P395508

Luminaire Tested: **I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)**

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395508  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-656-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)  
Description: CORELITE I3, FROSTED TOP COVER  
2000 LUMENS, VIVIDTUNE TUNABLE WHITE  
Light Source: 2700K/6500K CCT, 90 CRI LEDS, TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1967.1 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.43 / 1.49  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 3.92' x H: 0.17')  
CIE Type: Semi-Indirect

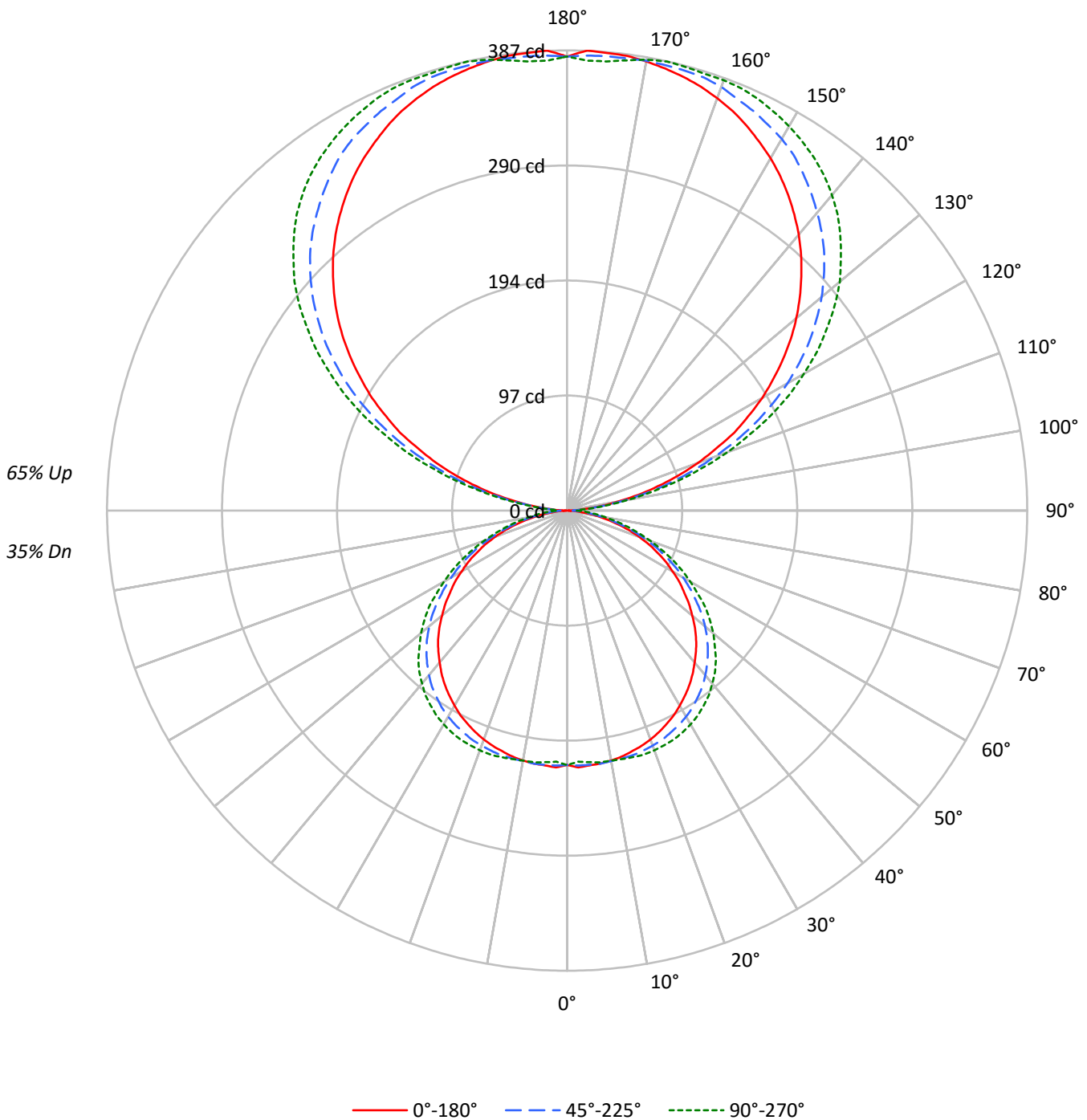
Input Watts (W): 16.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

### Luminous Intensity Polar Plot





TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	94	90	86	83	85	81	78	75	66	63	61	51	49	48	37	36	36	29
2	86	78	72	67	77	71	66	61	57	53	50	44	42	40	33	31	30	24
3	78	69	61	55	70	62	56	51	50	46	42	39	36	33	29	27	25	20
4	71	60	53	47	64	55	48	43	44	39	35	35	31	28	25	23	21	17
5	65	54	46	40	59	49	42	36	39	34	30	31	27	24	23	20	18	15
6	60	48	40	34	54	44	37	31	35	30	26	28	24	21	21	18	16	13
7	55	43	35	30	50	39	32	27	32	27	23	25	21	18	19	16	14	11
8	51	39	31	26	46	35	29	24	29	24	20	23	19	16	17	14	13	10
9	47	35	28	23	43	32	26	21	26	21	18	21	17	15	16	13	11	9
10	44	32	25	20	40	30	23	19	24	19	16	19	16	13	14	12	10	8

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1176	1176	1176
5°	1182	1157	1139
10°	1183	1141	1125
15°	1180	1131	1121
20°	1180	1122	1119
25°	1177	1112	1115
30°	1173	1101	1105
35°	1168	1083	1089
40°	1156	1061	1065
45°	1144	1028	1032
50°	1117	983	982
55°	1086	920	923
60°	1049	848	834
65°	998	760	740
70°	927	647	626
75°	806	515	498
80°	630	366	365
85°	339	209	239



TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.4	1.0
10°-20°	60.0	3.1
20°-30°	94.6	4.8
30°-40°	119.0	6.0
40°-50°	127.9	6.5
50°-60°	117.7	6.0
60°-70°	90.1	4.6
70°-80°	51.3	2.6
80°-90°	16.0	0.8
90°-100°	21.4	1.1
100°-110°	93.2	4.7
110°-120°	170.7	8.7
120°-130°	220.0	11.2
130°-140°	234.1	11.9
140°-150°	215.4	10.9
150°-160°	170.6	8.7
160°-170°	108.0	5.5
170°-180°	36.6	1.9
0°-30°	175.1	8.9
0°-40°	294.0	14.9
0°-60°	539.6	27.4
0°-90°	697.1	35.4
90°-120°	285.3	14.5
90°-150°	954.7	48.5
90°-180°	1270.0	64.6
0°-180°	1967.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	214	214	214	214	214	
5°	215	213	215	214	212	20
15°	210	209	213	215	215	59
25°	198	198	206	211	212	91
35°	179	181	192	198	200	112
45°	153	157	167	174	177	118
55°	120	125	132	140	142	108
65°	84	86	92	96	98	83
75°	44	45	48	51	53	47
85°	8	10	13	17	18	10
90°	0	2	5	7	8	1
95°	14	14	16	18	18	18
105°	79	83	89	94	96	84
115°	155	162	175	184	189	152
125°	222	231	249	261	267	198
135°	278	288	306	319	325	215
145°	324	331	346	356	362	203
155°	357	362	371	378	381	165
165°	378	378	383	386	386	107
175°	386	384	384	382	379	37
180°	382	382	382	382	382	



TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	216.2	215.6	215.1	214.0	214.0	213.5	213.5	213.5	213.5	214.0	214.6
5°	215.1	215.1	214.6	213.5	213.5	213.0	213.0	213.5	213.0	213.5	214.6
7.5°	214.6	214.6	214.0	213.0	213.0	213.0	213.0	213.0	213.0	213.5	214.6
10°	213.5	213.5	212.4	211.9	211.9	211.9	211.9	212.4	212.4	213.0	214.0
12.5°	211.9	211.3	210.8	210.3	210.3	210.3	210.8	211.3	211.3	212.4	213.5
15°	209.7	209.7	209.2	208.7	208.7	208.7	209.2	209.7	210.3	211.3	213.0
17.5°	207.6	207.6	207.1	207.1	207.1	207.1	207.6	208.1	209.2	210.3	211.9
20°	204.9	204.9	204.4	204.4	204.4	204.9	204.9	206.0	207.1	208.7	210.3
22.5°	201.7	201.7	201.7	201.2	201.7	202.2	202.8	203.8	204.9	206.5	208.7
25°	197.9	197.9	197.9	197.9	198.5	198.5	199.5	200.6	201.7	203.8	206.0
27.5°	194.2	194.2	194.2	193.6	194.7	195.3	195.8	197.4	198.5	201.2	203.3
30°	189.4	189.4	189.4	189.9	190.4	191.0	192.0	193.6	194.7	197.4	200.1
32.5°	184.5	184.5	184.5	184.5	186.1	186.7	187.2	188.8	191.0	193.6	196.3
35°	179.2	179.2	179.2	179.7	180.8	181.3	182.4	184.0	186.1	188.8	191.5
37.5°	173.3	173.8	173.8	174.3	175.4	176.5	177.6	179.2	181.3	184.0	186.7
40°	166.8	167.4	167.4	167.9	169.0	170.0	171.1	173.3	175.4	178.1	180.8
42.5°	160.4	160.9	160.9	162.0	163.1	164.1	165.2	167.4	169.5	172.2	174.3
45°	153.4	153.9	153.9	155.0	156.6	157.2	158.8	160.9	163.1	165.2	167.4
47.5°	145.9	146.4	146.4	147.5	149.1	150.2	151.3	153.4	155.0	157.7	159.8
50°	137.3	137.9	138.4	139.5	141.6	142.7	143.8	145.4	147.5	149.1	151.3
52.5°	129.3	129.3	129.8	130.9	132.5	133.6	134.1	135.7	138.4	140.5	142.7
55°	120.2	120.7	121.2	122.3	123.9	125.0	125.5	127.1	128.7	130.3	132.5
57.5°	112.1	112.1	112.6	113.7	115.3	115.9	116.4	117.5	119.6	121.2	122.8
60°	102.5	103.0	103.5	104.6	105.7	106.7	106.7	108.4	110.0	111.6	112.6
62.5°	93.9	93.9	94.4	95.5	96.0	97.1	97.1	98.7	99.8	101.4	102.5
65°	83.7	84.2	84.8	85.3	86.4	86.4	86.9	88.0	89.0	90.1	91.7
67.5°	74.6	74.6	75.1	75.6	76.2	76.2	76.7	77.8	78.9	79.9	81.0
70°	64.4	64.9	64.9	64.9	65.4	66.0	66.5	67.1	68.1	68.7	69.7
72.5°	54.2	54.2	54.7	54.7	55.3	55.8	56.3	56.9	57.4	58.5	59.0
75°	44.0	44.0	44.5	44.5	45.1	45.1	45.1	46.1	46.7	47.7	48.3
77.5°	33.8	34.3	34.3	34.3	34.9	35.4	35.4	35.9	37.0	37.5	38.1
80°	24.7	24.7	24.7	24.7	25.2	25.7	26.3	26.3	27.4	28.4	29.0
82.5°	15.6	15.6	16.1	16.6	16.6	17.2	17.7	18.2	19.3	19.8	20.4
85°	8.0	8.0	8.6	9.1	9.7	10.2	10.2	10.7	11.8	12.9	13.4
87.5°	2.7	3.2	3.2	3.8	4.3	4.8	5.4	5.9	7.0	8.0	8.6
90°	0.5	0.5	0.5	1.1	1.6	1.6	2.1	2.7	3.2	3.8	4.8
92.5°	4.8	4.8	4.3	4.8	4.8	4.8	4.8	5.4	5.9	5.9	7.0
95°	14.5	13.9	13.9	13.9	13.9	13.9	13.9	14.5	15.0	15.0	15.6
97.5°	27.9	27.9	27.4	27.4	27.9	27.9	27.9	28.4	29.5	29.0	30.0
100°	43.4	43.4	42.9	43.4	44.0	44.5	45.6	45.6	46.7	46.7	48.3
102.5°	61.2	61.2	60.6	61.7	62.2	63.3	63.3	64.4	66.0	66.0	68.1
105°	78.9	79.4	79.4	80.5	81.5	82.6	82.6	84.2	86.4	86.4	89.0
107.5°	98.2	98.7	98.7	99.8	100.8	101.9	102.5	104.6	106.7	107.3	110.5
110°	116.9	117.5	118.0	119.1	120.2	121.8	122.8	125.0	127.7	128.7	131.4



TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	134.6	136.8	137.3	138.9	140.5	142.1	143.2	145.9	149.1	150.7	153.9
115°	155.0	156.1	156.6	158.2	160.4	162.0	163.1	165.8	169.0	171.1	174.9
117.5°	171.7	174.3	174.9	176.5	178.6	180.2	181.3	184.5	188.3	191.0	194.7
120°	189.4	191.5	193.6	194.7	196.3	198.5	199.5	202.8	207.1	209.7	214.0
122.5°	205.4	207.6	209.7	211.3	213.5	214.6	216.2	219.9	224.2	227.4	231.7
125°	221.5	224.2	225.8	227.4	230.1	231.2	232.8	236.6	240.8	244.6	248.9
127.5°	237.1	238.7	241.4	242.5	245.1	246.2	247.8	252.1	256.4	260.2	264.4
130°	251.6	253.7	255.9	256.4	259.6	261.2	262.8	266.6	271.4	275.2	279.5
132.5°	265.5	266.6	269.3	270.9	273.6	275.2	276.8	280.0	284.8	288.6	292.9
135°	278.4	279.5	282.7	284.3	285.9	287.5	289.7	292.9	297.7	301.5	305.8
137.5°	291.3	292.3	295.6	297.2	298.2	299.9	301.5	304.7	309.5	313.3	317.0
140°	303.1	304.1	306.3	308.4	309.5	310.6	312.2	315.4	319.7	323.5	327.2
142.5°	313.8	314.9	317.0	319.2	320.8	320.8	322.4	325.1	329.9	333.6	336.9
145°	324.0	324.5	326.7	328.8	331.0	331.0	331.5	334.2	338.5	342.8	346.0
147.5°	333.6	334.2	335.8	337.9	339.5	340.1	341.2	342.2	346.5	350.8	354.6
150°	342.2	342.8	343.8	346.0	347.1	348.1	349.2	349.7	353.0	356.7	361.0
152.5°	349.7	350.3	351.3	353.0	354.0	355.1	356.2	357.8	359.4	363.1	365.8
155°	357.2	357.8	358.3	359.9	361.0	361.5	362.1	364.2	365.8	368.0	370.7
157.5°	363.7	363.7	364.2	365.3	366.4	366.4	366.9	369.0	370.7	372.8	374.4
160°	369.0	369.0	369.6	370.7	370.7	371.2	371.7	373.3	374.4	377.1	379.2
162.5°	373.9	373.3	373.9	374.4	374.4	374.4	374.9	376.0	377.6	379.8	381.9
165°	377.6	377.6	377.6	378.2	378.2	377.6	377.6	378.7	379.8	381.4	383.0
167.5°	380.8	380.8	380.3	380.8	380.3	380.3	379.8	380.3	380.8	382.5	383.5
170°	383.5	383.0	383.0	383.0	382.5	381.9	381.9	381.9	381.9	383.0	384.1
172.5°	385.7	385.1	384.6	384.6	383.5	383.0	383.0	382.5	382.5	383.0	383.5
175°	386.2	385.7	385.1	385.1	384.1	383.5	383.0	383.0	382.5	383.0	383.5
177.5°	387.3	386.8	385.7	385.7	384.6	383.5	383.5	383.0	382.5	383.0	383.0
180°	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9



TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0	214.0
2.5°	215.1	215.1	214.6	214.0	214.0	213.5	213.0	212.4	211.9	211.3
5°	215.1	214.6	214.0	214.0	213.5	213.5	213.5	213.0	212.4	212.4
7.5°	215.1	215.1	214.6	214.0	214.0	214.0	214.0	214.0	213.5	213.5
10°	215.1	214.6	214.6	214.6	214.0	214.6	214.6	214.0	214.0	213.5
12.5°	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.6	214.0
15°	213.5	214.0	214.0	214.6	214.6	214.6	215.1	215.1	214.6	214.6
17.5°	213.0	213.5	214.0	214.6	214.6	214.6	215.1	215.1	215.1	215.1
20°	211.9	212.4	213.0	213.5	213.5	214.0	214.0	214.6	214.6	214.6
22.5°	209.7	210.3	211.3	211.9	212.4	213.0	213.5	213.5	213.5	213.5
25°	207.6	208.7	209.2	210.3	210.8	211.3	211.9	211.9	211.9	212.4
27.5°	204.9	206.0	207.6	208.1	208.7	209.2	209.7	210.3	210.3	210.3
30°	201.7	203.3	204.4	205.4	206.0	206.5	207.1	207.1	207.6	207.6
32.5°	197.9	199.5	200.6	201.7	202.2	202.8	203.8	203.8	204.4	204.4
35°	193.1	194.7	196.3	197.4	197.9	198.5	199.5	200.1	200.1	200.1
37.5°	188.3	189.9	191.5	193.1	193.6	194.2	195.3	195.3	195.8	195.8
40°	182.4	184.0	185.6	187.2	187.2	188.3	188.8	189.4	189.9	189.9
42.5°	176.5	178.1	179.2	180.8	181.3	181.8	182.4	183.5	183.5	184.0
45°	169.5	171.1	172.2	173.8	174.3	174.9	175.9	176.5	177.0	177.0
47.5°	162.0	163.1	164.1	165.8	166.8	167.4	167.9	168.4	169.0	168.4
50°	153.4	154.5	156.1	157.7	158.2	158.8	159.8	159.8	160.4	160.4
52.5°	144.3	145.9	147.0	148.6	149.1	149.7	150.7	150.7	151.3	151.3
55°	134.1	135.2	136.2	138.9	139.5	140.0	141.1	141.1	141.6	142.1
57.5°	124.4	125.0	126.6	127.7	128.7	128.7	129.3	129.8	130.3	130.3
60°	114.3	114.8	115.9	117.5	117.5	118.0	119.1	119.1	119.6	119.6
62.5°	103.5	104.6	105.7	107.3	106.7	107.3	108.4	108.4	108.9	108.9
65°	92.8	93.3	94.4	95.5	96.0	96.0	96.6	97.1	97.6	97.6
67.5°	81.5	82.6	83.1	84.8	84.2	84.8	85.3	85.3	85.8	85.8
70°	70.8	71.3	72.4	73.0	73.0	73.5	74.0	74.0	74.0	74.6
72.5°	60.1	60.6	61.2	61.7	61.7	62.2	62.8	62.8	63.3	63.3
75°	48.8	49.9	50.4	51.5	51.0	51.5	52.6	52.6	52.6	52.6
77.5°	39.2	39.7	40.8	41.3	41.3	41.3	42.4	41.8	42.4	42.4
80°	29.5	30.0	31.1	31.6	31.6	32.2	32.7	32.7	32.7	33.3
82.5°	20.9	22.0	23.1	23.6	23.6	24.1	24.7	24.7	25.2	25.2
85°	14.5	15.6	16.6	16.6	17.2	17.7	18.2	18.2	18.2	18.2
87.5°	9.7	10.2	10.7	11.3	11.8	11.8	12.3	12.3	12.9	12.9
90°	5.4	5.9	6.4	7.0	7.0	7.5	7.5	8.0	8.0	8.0
92.5°	7.5	7.5	8.0	8.6	8.6	8.6	8.6	9.1	9.1	9.1
95°	16.1	16.6	16.6	17.7	17.7	17.7	18.2	18.2	18.2	18.2
97.5°	31.1	31.1	31.1	32.2	32.2	32.2	32.7	32.7	32.7	33.3
100°	48.8	49.3	49.3	51.0	50.4	51.5	51.5	51.5	51.5	52.0
102.5°	68.7	69.7	70.3	71.9	71.9	71.9	73.0	72.4	73.0	73.0
105°	90.1	91.2	91.7	93.3	94.4	94.4	95.5	94.9	95.5	96.0
107.5°	111.6	113.2	114.3	115.9	116.9	117.5	117.5	118.0	118.5	119.1
110°	133.6	135.2	137.9	139.5	140.0	141.1	141.6	142.1	142.7	143.8





TEST NUMBER: P395508

CATALOG NUMBER: I3-FL-20L92765-1D-UNV-W2A-W-4 (5000K)

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	156.6	158.2	160.4	162.5	162.0	163.6	164.7	165.2	165.8	165.2
115°	177.6	179.7	181.8	184.0	184.0	185.1	187.2	187.7	187.7	188.8
117.5°	197.4	200.1	202.2	204.4	204.9	206.0	207.6	209.2	209.2	210.3
120°	216.7	219.9	222.1	224.2	225.3	225.8	227.4	229.6	229.6	229.6
122.5°	234.9	237.6	240.3	242.5	243.5	244.6	245.7	248.4	248.4	249.4
125°	252.1	255.3	258.0	260.2	261.2	262.3	264.4	266.1	266.6	266.6
127.5°	268.2	271.4	274.1	276.8	277.3	278.4	280.5	282.7	283.2	283.8
130°	283.2	286.4	289.1	291.8	292.9	293.4	296.1	297.7	298.8	299.3
132.5°	296.6	299.9	302.5	305.2	306.3	307.4	309.0	311.7	312.2	312.2
135°	309.0	312.2	314.9	318.1	318.6	319.7	321.8	323.5	324.5	325.1
137.5°	320.2	323.5	326.7	329.4	330.4	331.0	333.1	335.3	336.3	336.9
140°	330.4	333.6	336.9	339.0	339.5	341.2	342.8	344.9	346.0	346.5
142.5°	340.1	342.8	345.4	348.1	348.7	349.7	351.3	353.5	354.6	355.1
145°	348.7	351.3	353.5	355.6	356.2	357.2	358.9	360.5	361.5	362.1
147.5°	356.7	358.9	361.0	362.6	363.1	364.2	365.3	366.4	367.4	368.0
150°	363.7	364.8	366.9	368.0	368.5	369.6	370.7	371.7	372.8	373.3
152.5°	369.0	370.7	371.7	373.3	373.9	374.4	375.5	376.6	377.6	377.6
155°	373.3	374.9	376.0	377.6	378.2	378.7	379.8	380.3	381.4	381.4
157.5°	376.6	378.2	379.2	380.3	380.8	381.4	381.9	383.0	384.1	384.1
160°	380.3	380.8	381.4	382.5	382.5	383.0	383.5	384.1	385.1	385.1
162.5°	383.5	384.1	383.0	383.5	383.0	383.5	384.1	384.6	385.1	385.1
165°	384.6	385.7	385.1	385.7	385.7	385.7	385.7	386.2	386.2	386.2
167.5°	384.6	385.7	385.1	385.1	385.7	385.7	386.2	386.8	386.8	386.8
170°	384.6	385.1	384.6	384.1	384.6	384.6	384.6	385.1	385.1	385.1
172.5°	384.1	384.6	383.5	383.0	383.0	383.0	382.5	382.5	381.9	381.9
175°	383.5	383.5	382.5	381.9	381.9	381.9	380.8	380.3	379.8	379.2
177.5°	383.0	383.0	381.4	380.8	380.8	380.3	380.3	379.2	379.2	378.7
180°	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9	381.9

(END OF REPORT)