

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: P395507

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

Issue Date: 5/6/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395507  
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 (4500K)  
Description: CORELITE I3, FROSTED TOP COVER  
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: 1928.7 lumens  
Efficiency: N/A  
Efficacy: 116.9 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

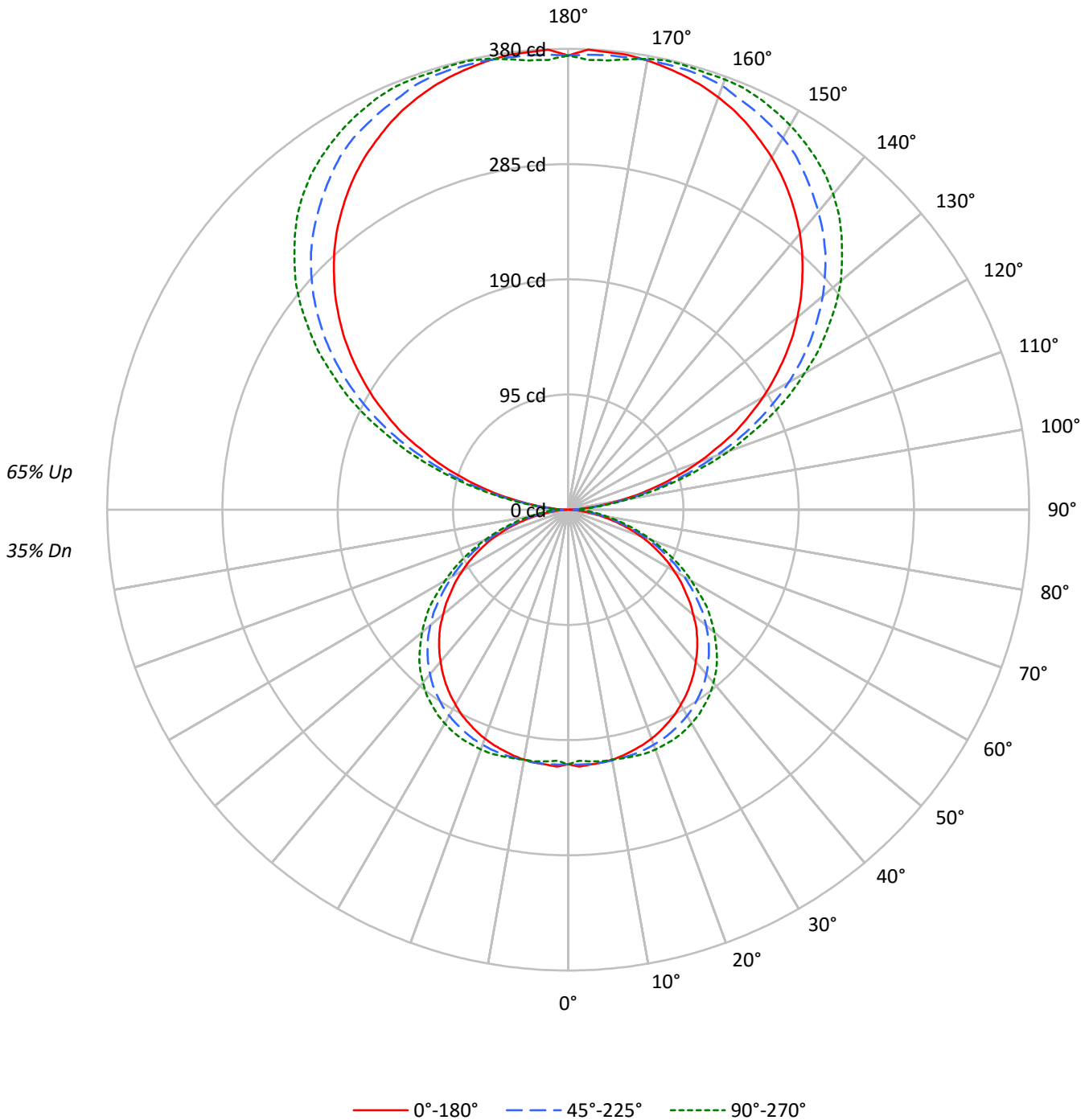
Input Watts (W): 16.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1154	1154	1154
5°	1159	1134	1117
10°	1159	1119	1103
15°	1157	1109	1099
20°	1157	1100	1098
25°	1154	1090	1093
30°	1150	1080	1083
35°	1145	1062	1067
40°	1133	1040	1044
45°	1121	1008	1012
50°	1095	963	963
55°	1064	902	905
60°	1029	832	817
65°	977	745	726
70°	908	635	613
75°	790	504	487
80°	617	359	357
85°	335	205	235



TEST NUMBER: P395507

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	1.0
10°-20°	58.9	3.1
20°-30°	92.8	4.8
30°-40°	116.6	6.0
40°-50°	125.4	6.5
50°-60°	115.4	6.0
60°-70°	88.4	4.6
70°-80°	50.3	2.6
80°-90°	15.7	0.8
90°-100°	21.0	1.1
100°-110°	91.4	4.7
110°-120°	167.3	8.7
120°-130°	215.7	11.2
130°-140°	229.5	11.9
140°-150°	211.2	10.9
150°-160°	167.3	8.7
160°-170°	105.9	5.5
170°-180°	35.9	1.9
0°-30°	171.7	8.9
0°-40°	288.3	14.9
0°-60°	529.1	27.4
0°-90°	683.5	35.4
90°-120°	279.8	14.5
90°-150°	936.1	48.5
90°-180°	1245.0	64.5
0°-180°	1928.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	210	210	210	210	210	
5°	211	209	210	209	208	20
15°	206	205	209	210	210	58
25°	194	195	202	207	208	90
35°	176	178	188	194	196	110
45°	150	154	164	171	174	116
55°	118	122	130	137	139	106
65°	82	85	90	94	96	81
75°	43	44	47	50	52	46
85°	8	10	13	17	18	10
90°	0	2	5	7	8	1
95°	14	14	15	17	18	18
105°	77	81	87	93	94	82
115°	152	159	172	180	185	149
125°	217	227	244	256	261	194
135°	273	282	300	312	319	211
145°	318	324	339	349	355	199
155°	350	354	363	371	374	161
165°	370	370	376	378	379	105
175°	379	376	376	374	372	36
180°	374	374	374	374	374	



TEST NUMBER: P395507

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
2.5°	212.0	211.4	210.9	209.9	209.9	209.3	209.3	209.3	209.3	209.9	210.4
5°	210.9	210.9	210.4	209.3	209.3	208.8	208.8	209.3	208.8	209.3	210.4
7.5°	210.4	210.4	209.9	208.8	208.8	208.8	208.8	208.8	208.8	209.3	210.4
10°	209.3	209.3	208.3	207.8	207.8	207.8	207.8	208.3	208.3	208.8	209.9
12.5°	207.8	207.2	206.7	206.2	206.2	206.2	206.7	207.2	207.2	208.3	209.3
15°	205.6	205.6	205.1	204.6	204.6	204.6	205.1	205.6	206.2	207.2	208.8
17.5°	203.5	203.5	203.0	203.0	203.0	203.0	203.5	204.1	205.1	206.2	207.8
20°	200.9	200.9	200.4	200.4	200.4	200.9	200.9	202.0	203.0	204.6	206.2
22.5°	197.8	197.8	197.8	197.2	197.8	198.3	198.8	199.9	200.9	202.5	204.6
25°	194.1	194.1	194.1	194.1	194.6	194.6	195.7	196.7	197.8	199.9	202.0
27.5°	190.4	190.4	190.4	189.9	190.9	191.4	192.0	193.6	194.6	197.2	199.3
30°	185.7	185.7	185.7	186.2	186.7	187.2	188.3	189.9	190.9	193.6	196.2
32.5°	180.9	180.9	180.9	180.9	182.5	183.0	183.6	185.1	187.2	189.9	192.5
35°	175.7	175.7	175.7	176.2	177.2	177.8	178.8	180.4	182.5	185.1	187.8
37.5°	169.9	170.4	170.4	170.9	172.0	173.0	174.1	175.7	177.8	180.4	183.0
40°	163.6	164.1	164.1	164.6	165.7	166.7	167.8	169.9	172.0	174.6	177.2
42.5°	157.3	157.8	157.8	158.8	159.9	160.9	162.0	164.1	166.2	168.8	170.9
45°	150.4	151.0	151.0	152.0	153.6	154.1	155.7	157.8	159.9	162.0	164.1
47.5°	143.1	143.6	143.6	144.6	146.2	147.3	148.3	150.4	152.0	154.6	156.7
50°	134.6	135.2	135.7	136.7	138.9	139.9	141.0	142.5	144.6	146.2	148.3
52.5°	126.8	126.8	127.3	128.3	129.9	131.0	131.5	133.1	135.7	137.8	139.9
55°	117.8	118.3	118.9	119.9	121.5	122.5	123.1	124.7	126.2	127.8	129.9
57.5°	109.9	109.9	110.5	111.5	113.1	113.6	114.1	115.2	117.3	118.9	120.4
60°	100.5	101.0	101.5	102.6	103.6	104.7	104.7	106.2	107.8	109.4	110.5
62.5°	92.0	92.0	92.6	93.6	94.1	95.2	95.2	96.8	97.8	99.4	100.5
65°	82.0	82.6	83.1	83.6	84.7	84.7	85.2	86.3	87.3	88.4	89.9
67.5°	73.1	73.1	73.6	74.2	74.7	74.7	75.2	76.3	77.3	78.4	79.4
70°	63.1	63.6	63.6	63.6	64.2	64.7	65.2	65.7	66.8	67.3	68.4
72.5°	53.1	53.1	53.6	53.6	54.2	54.7	55.2	55.8	56.3	57.3	57.9
75°	43.1	43.1	43.7	43.7	44.2	44.2	44.2	45.2	45.8	46.8	47.3
77.5°	33.1	33.7	33.7	33.7	34.2	34.7	34.7	35.2	36.3	36.8	37.3
80°	24.2	24.2	24.2	24.2	24.7	25.2	25.8	25.8	26.8	27.9	28.4
82.5°	15.3	15.3	15.8	16.3	16.3	16.8	17.4	17.9	18.9	19.5	20.0
85°	7.9	7.9	8.4	8.9	9.5	10.0	10.0	10.5	11.6	12.6	13.1
87.5°	2.6	3.2	3.2	3.7	4.2	4.7	5.3	5.8	6.8	7.9	8.4
90°	0.5	0.5	0.5	1.1	1.6	1.6	2.1	2.6	3.2	3.7	4.7
92.5°	4.7	4.7	4.2	4.7	4.7	4.7	4.7	5.3	5.8	5.8	6.8
95°	14.2	13.7	13.7	13.7	13.7	13.7	13.7	14.2	14.7	14.7	15.3
97.5°	27.3	27.3	26.8	26.8	27.3	27.3	27.3	27.9	28.9	28.4	29.5
100°	42.6	42.6	42.1	42.6	43.1	43.7	44.7	44.7	45.8	45.8	47.3
102.5°	60.0	60.0	59.4	60.5	61.0	62.1	62.1	63.1	64.7	64.7	66.8
105°	77.3	77.8	77.8	78.9	79.9	81.0	81.0	82.6	84.7	84.7	87.3
107.5°	96.3	96.8	96.8	97.8	98.9	99.9	100.5	102.6	104.7	105.2	108.3
110°	114.7	115.2	115.7	116.8	117.8	119.4	120.4	122.5	125.2	126.2	128.9



TEST NUMBER: P395507

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	132.0	134.1	134.6	136.2	137.8	139.4	140.4	143.1	146.2	147.8	151.0
115°	152.0	153.1	153.6	155.2	157.3	158.8	159.9	162.5	165.7	167.8	171.5
117.5°	168.3	170.9	171.5	173.0	175.1	176.7	177.8	180.9	184.6	187.2	190.9
120°	185.7	187.8	189.9	190.9	192.5	194.6	195.7	198.8	203.0	205.6	209.9
122.5°	201.4	203.5	205.6	207.2	209.3	210.4	212.0	215.6	219.9	223.0	227.2
125°	217.2	219.9	221.4	223.0	225.6	226.7	228.3	231.9	236.2	239.8	244.0
127.5°	232.5	234.1	236.7	237.7	240.4	241.4	243.0	247.2	251.4	255.1	259.3
130°	246.7	248.8	250.9	251.4	254.6	256.1	257.7	261.4	266.1	269.8	274.0
132.5°	260.3	261.4	264.0	265.6	268.2	269.8	271.4	274.6	279.3	283.0	287.2
135°	273.0	274.0	277.2	278.8	280.3	281.9	284.0	287.2	291.9	295.6	299.8
137.5°	285.6	286.6	289.8	291.4	292.4	294.0	295.6	298.7	303.5	307.2	310.8
140°	297.2	298.2	300.3	302.4	303.5	304.5	306.1	309.3	313.5	317.2	320.8
142.5°	307.7	308.7	310.8	312.9	314.5	314.5	316.1	318.7	323.5	327.1	330.3
145°	317.7	318.2	320.3	322.4	324.5	324.5	325.0	327.7	331.9	336.1	339.2
147.5°	327.1	327.7	329.2	331.4	332.9	333.5	334.5	335.6	339.8	344.0	347.7
150°	335.6	336.1	337.1	339.2	340.3	341.3	342.4	342.9	346.1	349.8	354.0
152.5°	342.9	343.5	344.5	346.1	347.1	348.2	349.2	350.8	352.4	356.1	358.7
155°	350.3	350.8	351.3	352.9	354.0	354.5	355.0	357.1	358.7	360.8	363.4
157.5°	356.6	356.6	357.1	358.2	359.2	359.2	359.8	361.9	363.4	365.5	367.1
160°	361.9	361.9	362.4	363.4	363.4	364.0	364.5	366.1	367.1	369.7	371.9
162.5°	366.6	366.1	366.6	367.1	367.1	367.1	367.6	368.7	370.3	372.4	374.5
165°	370.3	370.3	370.3	370.8	370.8	370.3	370.3	371.3	372.4	374.0	375.5
167.5°	373.4	373.4	372.9	373.4	372.9	372.9	372.4	372.9	373.4	375.0	376.1
170°	376.1	375.5	375.5	375.5	375.0	374.5	374.5	374.5	374.5	375.5	376.6
172.5°	378.2	377.6	377.1	377.1	376.1	375.5	375.5	375.0	375.0	375.5	376.1
175°	378.7	378.2	377.6	377.6	376.6	376.1	375.5	375.5	375.0	375.5	376.1
177.5°	379.7	379.2	378.2	378.2	377.1	376.1	376.1	375.5	375.0	375.5	375.5
180°	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9	209.9
2.5°	210.9	210.9	210.4	209.9	209.9	209.3	208.8	208.3	207.8	207.2
5°	210.9	210.4	209.9	209.9	209.3	209.3	209.3	208.8	208.3	208.3
7.5°	210.9	210.9	210.4	209.9	209.9	209.9	209.9	209.9	209.3	209.3
10°	210.9	210.4	210.4	210.4	209.9	210.4	210.4	209.9	209.9	209.3
12.5°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	209.9
15°	209.3	209.9	209.9	210.4	210.4	210.4	210.9	210.9	210.4	210.4
17.5°	208.8	209.3	209.9	210.4	210.4	210.4	210.9	210.9	210.9	210.9
20°	207.8	208.3	208.8	209.3	209.3	209.9	209.9	210.4	210.4	210.4
22.5°	205.6	206.2	207.2	207.8	208.3	208.8	209.3	209.3	209.3	209.3
25°	203.5	204.6	205.1	206.2	206.7	207.2	207.8	207.8	207.8	208.3
27.5°	200.9	202.0	203.5	204.1	204.6	205.1	205.6	206.2	206.2	206.2
30°	197.8	199.3	200.4	201.4	202.0	202.5	203.0	203.0	203.5	203.5
32.5°	194.1	195.7	196.7	197.8	198.3	198.8	199.9	199.9	200.4	200.4
35°	189.3	190.9	192.5	193.6	194.1	194.6	195.7	196.2	196.2	196.2
37.5°	184.6	186.2	187.8	189.3	189.9	190.4	191.4	191.4	192.0	192.0
40°	178.8	180.4	182.0	183.6	183.6	184.6	185.1	185.7	186.2	186.2
42.5°	173.0	174.6	175.7	177.2	177.8	178.3	178.8	179.9	179.9	180.4
45°	166.2	167.8	168.8	170.4	170.9	171.5	172.5	173.0	173.6	173.6
47.5°	158.8	159.9	160.9	162.5	163.6	164.1	164.6	165.2	165.7	165.2
50°	150.4	151.5	153.1	154.6	155.2	155.7	156.7	156.7	157.3	157.3
52.5°	141.5	143.1	144.1	145.7	146.2	146.7	147.8	147.8	148.3	148.3
55°	131.5	132.5	133.6	136.2	136.7	137.3	138.3	138.3	138.9	139.4
57.5°	122.0	122.5	124.1	125.2	126.2	126.2	126.8	127.3	127.8	127.8
60°	112.0	112.6	113.6	115.2	115.2	115.7	116.8	116.8	117.3	117.3
62.5°	101.5	102.6	103.6	105.2	104.7	105.2	106.2	106.2	106.8	106.8
65°	91.0	91.5	92.6	93.6	94.1	94.1	94.7	95.2	95.7	95.7
67.5°	79.9	81.0	81.5	83.1	82.6	83.1	83.6	83.6	84.2	84.2
70°	69.4	70.0	71.0	71.5	71.5	72.1	72.6	72.6	72.6	73.1
72.5°	58.9	59.4	60.0	60.5	60.5	61.0	61.5	61.5	62.1	62.1
75°	47.9	48.9	49.4	50.5	50.0	50.5	51.5	51.5	51.5	51.5
77.5°	38.4	38.9	40.0	40.5	40.5	40.5	41.6	41.0	41.6	41.6
80°	28.9	29.5	30.5	31.0	31.0	31.6	32.1	32.1	32.1	32.6
82.5°	20.5	21.6	22.6	23.1	23.1	23.7	24.2	24.2	24.7	24.7
85°	14.2	15.3	16.3	16.3	16.8	17.4	17.9	17.9	17.9	17.9
87.5°	9.5	10.0	10.5	11.0	11.6	11.6	12.1	12.1	12.6	12.6
90°	5.3	5.8	6.3	6.8	6.8	7.4	7.4	7.9	7.9	7.9
92.5°	7.4	7.4	7.9	8.4	8.4	8.4	8.4	8.9	8.9	8.9
95°	15.8	16.3	16.3	17.4	17.4	17.4	17.9	17.9	17.9	17.9
97.5°	30.5	30.5	30.5	31.6	31.6	31.6	32.1	32.1	32.1	32.6
100°	47.9	48.4	48.4	50.0	49.4	50.5	50.5	50.5	50.5	51.0
102.5°	67.3	68.4	68.9	70.5	70.5	70.5	71.5	71.0	71.5	71.5
105°	88.4	89.4	89.9	91.5	92.6	92.6	93.6	93.1	93.6	94.1
107.5°	109.4	111.0	112.0	113.6	114.7	115.2	115.2	115.7	116.2	116.8
110°	131.0	132.5	135.2	136.7	137.3	138.3	138.9	139.4	139.9	141.0





TEST NUMBER: P395507

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	153.6	155.2	157.3	159.4	158.8	160.4	161.5	162.0	162.5	162.0
115°	174.1	176.2	178.3	180.4	180.4	181.5	183.6	184.1	184.1	185.1
117.5°	193.6	196.2	198.3	200.4	200.9	202.0	203.5	205.1	205.1	206.2
120°	212.5	215.6	217.7	219.9	220.9	221.4	223.0	225.1	225.1	225.1
122.5°	230.4	233.0	235.6	237.7	238.8	239.8	240.9	243.5	243.5	244.6
125°	247.2	250.4	253.0	255.1	256.1	257.2	259.3	260.9	261.4	261.4
127.5°	263.0	266.1	268.8	271.4	271.9	273.0	275.1	277.2	277.7	278.2
130°	277.7	280.9	283.5	286.1	287.2	287.7	290.3	291.9	293.0	293.5
132.5°	290.9	294.0	296.6	299.3	300.3	301.4	303.0	305.6	306.1	306.1
135°	303.0	306.1	308.7	311.9	312.4	313.5	315.6	317.2	318.2	318.7
137.5°	314.0	317.2	320.3	322.9	324.0	324.5	326.6	328.7	329.8	330.3
140°	324.0	327.1	330.3	332.4	332.9	334.5	336.1	338.2	339.2	339.8
142.5°	333.5	336.1	338.7	341.3	341.9	342.9	344.5	346.6	347.7	348.2
145°	341.9	344.5	346.6	348.7	349.2	350.3	351.9	353.4	354.5	355.0
147.5°	349.8	351.9	354.0	355.5	356.1	357.1	358.2	359.2	360.3	360.8
150°	356.6	357.7	359.8	360.8	361.3	362.4	363.4	364.5	365.5	366.1
152.5°	361.9	363.4	364.5	366.1	366.6	367.1	368.2	369.2	370.3	370.3
155°	366.1	367.6	368.7	370.3	370.8	371.3	372.4	372.9	374.0	374.0
157.5°	369.2	370.8	371.9	372.9	373.4	374.0	374.5	375.5	376.6	376.6
160°	372.9	373.4	374.0	375.0	375.0	375.5	376.1	376.6	377.6	377.6
162.5°	376.1	376.6	375.5	376.1	375.5	376.1	376.6	377.1	377.6	377.6
165°	377.1	378.2	377.6	378.2	378.2	378.2	378.2	378.7	378.7	378.7
167.5°	377.1	378.2	377.6	377.6	378.2	378.2	378.7	379.2	379.2	379.2
170°	377.1	377.6	377.1	376.6	377.1	377.1	377.1	377.6	377.6	377.6
172.5°	376.6	377.1	376.1	375.5	375.5	375.5	375.0	375.0	374.5	374.5
175°	376.1	376.1	375.0	374.5	374.5	374.5	373.4	372.9	372.4	371.9
177.5°	375.5	375.5	374.0	373.4	373.4	372.9	372.9	371.9	371.9	371.3
180°	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5	374.5

(END OF REPORT)