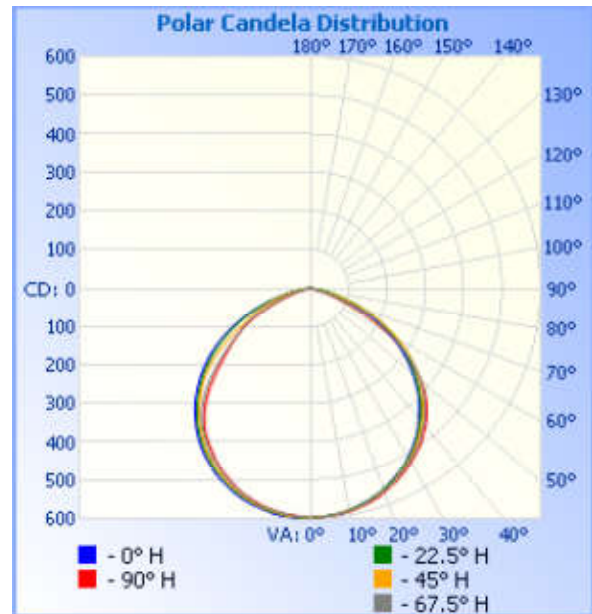


Photometrics Pro

Luminaire Photometric Report

Filename: snc-fl06-15wct1b1-30k-120v
Manufacturer: AST
Luminaire: AST-FL06-15WCT1A1-abcd30
Lamp Output: 1 lamp, rated Lumens/lamp: 1592.6
Max Candela: 599.1 at Horizontal: 180°, Vertical: 2°
Input Wattage: 14.45
Luminous Opening: Point
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	FULL CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	0
Max Cd, 80 to <90 Deg:	52.3
	Lumens % Lamp
Downward Street Side:	776.3 48.7%
Downward House Side:	816.2 51.2%
Downward Total:	1,592.5 100%
Upward Street Side:	0 0%
Upward House Side:	0 0%
Upward Total:	0 0%
Total Lumens:	1,592.5 100%

Zonal Lumen Summary

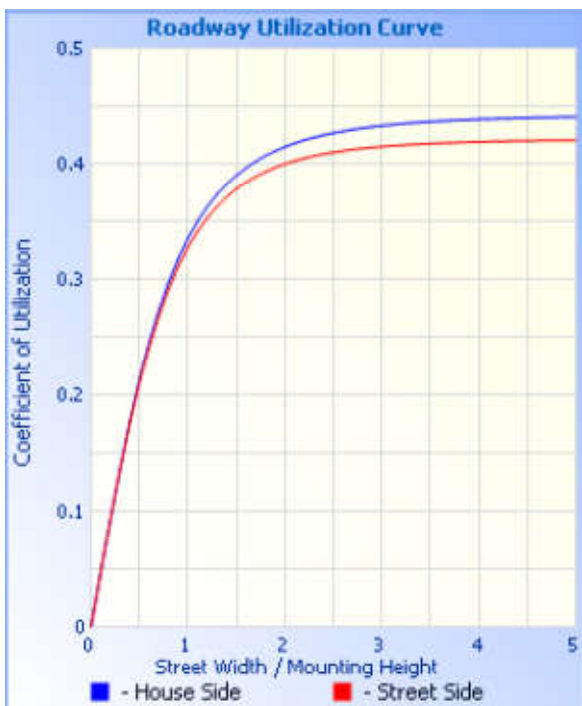
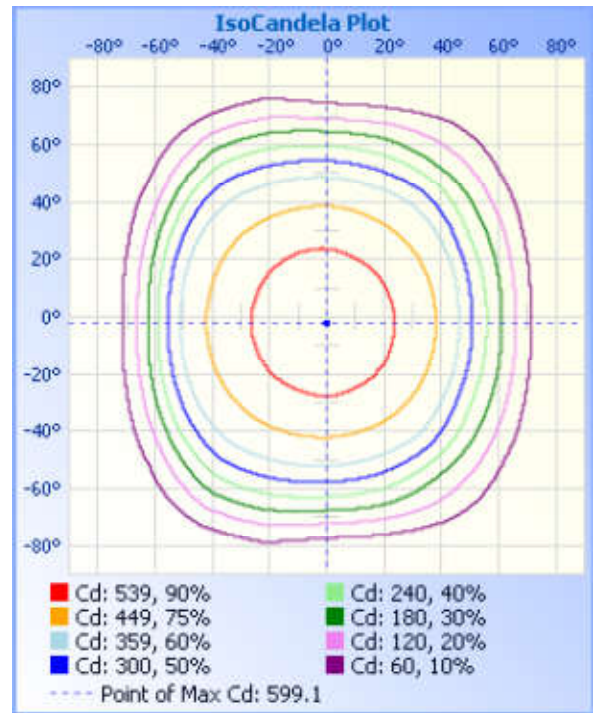
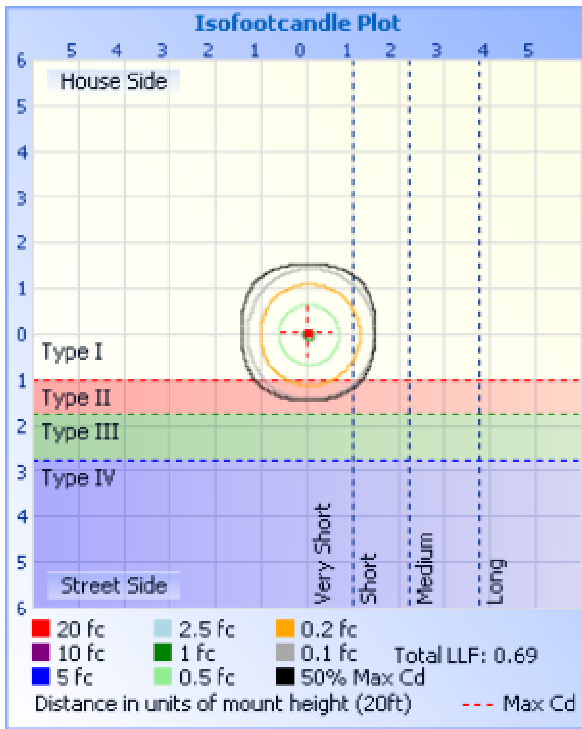
Zone	Lumens	% Lamp	% Luminaire
0-30	468.0	29.4%	29.4%
0-40	770.7	48.4%	48.4%
0-60	1,349.2	84.7%	84.7%
60-90	243.1	15.3%	15.3%
70-100	72.1	4.5%	4.5%
90-120	0	0%	0%
0-90	1,592.3	100%	100%
90-180	0	0%	0%
0-180	1,592.3	100%	100%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.2%	1,563.9	142.9	151.8
Beam (50%):	77.1%	1,228.5	106	112.1
Total:	100%	1,592.0		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	56.5	3.5%	90-100	0	0%
10-20	162.7	10.2%	100-110	0	0%
20-30	248.8	15.6%	110-120	0	0%
30-40	302.7	19.0%	120-130	0	0%
40-50	312.4	19.6%	130-140	0	0%
50-60	266.1	16.7%	140-150	0	0%
60-70	171.1	10.7%	150-160	0	0%
70-80	64.5	4.0%	160-170	0	0%
80-90	7.6	0.5%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	2.07 fc	50.5 ft	45.1 ft
34.0ft	0.52 fc	101.1 ft	90.2 ft
51.0ft	0.23 fc	151.6 ft	135.3 ft
68.0ft	0.13 fc	202.2 ft	180.4 ft
85.0ft	0.08 fc	252.7 ft	225.6 ft
102.0ft	0.06 fc	303.3 ft	270.7 ft

■ Vert. Spread: 112.1°
■ Horiz. Spread: 106.0°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.10	1.06	1.02	.98	1.07	1.03	1.00	.87	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86
2	1.00	.93	.87	.81	.98	.91	.85	.74	.87	.83	.78	.84	.80	.77	.81	.78	.75	.73
3	.92	.82	.74	.68	.90	.80	.73	.64	.77	.71	.66	.75	.70	.65	.72	.68	.64	.62
4	.84	.73	.64	.58	.82	.72	.64	.55	.69	.62	.57	.67	.61	.56	.65	.60	.55	.53
5	.78	.65	.57	.50	.76	.64	.56	.48	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6	.72	.59	.50	.44	.70	.58	.50	.42	.56	.49	.43	.54	.48	.43	.53	.47	.43	.40
7	.66	.53	.45	.39	.65	.52	.44	.38	.51	.44	.38	.50	.43	.38	.48	.42	.38	.36

8	.62	.49	.40	.35	.60	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9	.58	.45	.37	.31	.56	.44	.36	.30	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29
10	.54	.41	.33	.28	.53	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599	599
1	599	597	597	596	596	596	596	595	599	598	597	596	597	595	594	595	599
2	598	596	596	595	596	594	597	594	599	598	597	595	596	595	593	594	598
3	596	596	597	597	596	595	596	594	599	598	596	595	594	592	592	592	596
4	595	595	596	596	596	594	596	594	598	597	596	594	593	592	593	591	595
5	595	594	596	595	596	594	595	593	598	597	596	593	592	590	591	590	595
6	593	593	595	594	595	595	595	594	597	595	595	592	592	588	589	588	593
7	592	593	592	593	594	594	594	593	597	594	593	590	590	587	588	587	592
8	592	591	590	591	593	593	593	592	596	592	591	588	589	586	585	585	592
9	590	588	589	589	592	590	591	590	595	591	589	587	587	584	584	583	590
10	587	586	589	588	591	589	590	589	594	591	588	585	585	583	582	582	587
11	586	584	587	587	589	588	589	588	590	589	586	584	583	581	580	579	586
12	582	582	584	585	588	586	588	587	589	586	585	582	581	577	577	577	582
13	580	580	583	583	584	585	586	584	587	584	583	580	577	574	575	573	580
14	577	578	580	581	583	583	585	583	585	582	581	578	575	572	572	570	577
15	575	575	577	578	580	581	581	580	584	580	578	573	572	569	570	567	575
16	572	572	574	575	579	578	578	579	581	577	574	570	568	565	566	564	572
17	568	569	572	573	576	576	576	577	578	574	572	567	566	563	563	562	568
18	565	566	568	571	574	574	573	574	576	571	568	564	563	559	558	559	565
19	562	563	565	566	570	571	572	571	572	568	565	561	559	554	554	555	562
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21	554	554	558	559	562	563	565	563	566	561	558	553	549	547	547	546	554
22	549	550	555	556	558	560	562	559	562	558	554	548	545	542	543	542	549
23	545	546	550	553	555	556	557	556	558	553	550	544	541	537	538	538	545
24	540	542	546	549	552	553	553	553	554	549	546	540	535	532	533	533	540
25	535	539	540	544	548	549	550	549	551	545	542	534	531	527	528	528	535
26	532	534	535	539	543	545	545	545	546	540	535	528	525	522	523	523	532
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35	478	481	487	493	498	499	498	498	497	490	483	475	470	466	465	469	478
36	471	474	480	487	492	493	492	492	490	484	476	468	462	459	458	463	471
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38	457	460	466	473	479	480	481	477	477	470	461	454	446	443	444	447	457
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44	408	414	422	430	437	439	438	434	431	422	412	397	382	387	394	398	408
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54	309	317	331	329	326	342	350	343	335	325	307	264	255	252	286	297	309
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64	191	206	211	172	160	189	235	234	219	210	172	150	140	140	154	182	191
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72	87	112	103	61	58	72	128	140	117	112	95	61	50	54	80	85	87
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76	49	72	56	24	22	34	79	91	69	64	57	31	23	24	44	47	49
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85	2	7	2	1	2	2	6	16	5	10	5	3	4	2	3	4	2
86	1	3	1	1	1	1	4	10	3	5	3	2	4	2	2	1	1
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88	0	0	0	0	0	0	1	0	0	0	1	1	2	1	0	0	0
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95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104																	

	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157																

	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[ISSUEDATE] 2017-12-26 13:58
[MANUFAC] AST
[LUMCAT]
[LUMINAIRE] AST-FL06-15WCT1A1-abcd30
[LAMPCAT]
[LAMP]
[VOLTAGE] 119.9 V
[CURRENT] 0.123 A
[POWERFACTOR] 0.980
[TESTLAB]
[TESTINST] GPM-3000
[TESTDIST] 1.558 m
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer s data file, based on IES recommended methods.