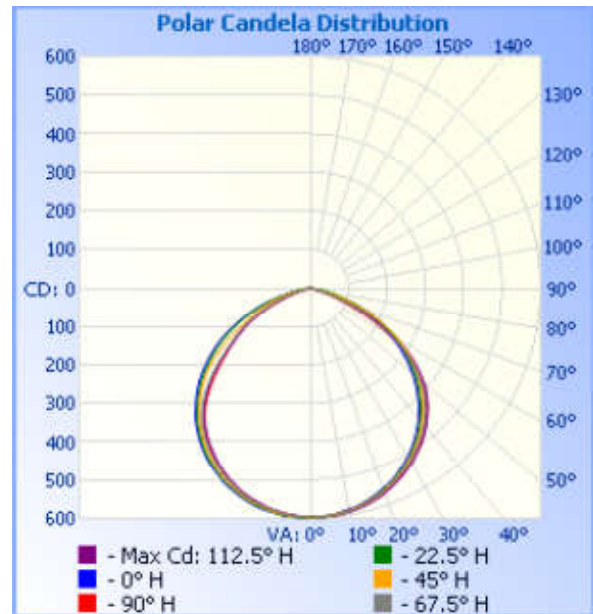


Photometrics Pro

Luminaire Photometric Report

Luminaire: AST-FL06-15WCT1A1-abcd30
Lamp Output: 1 lamp, rated Lumens/lamp: 1593.6
Max Candela: 597.7 at Horizontal: 112.5°, Vertical: 1°
Input Wattage: 14.55
Luminous Opening: Point
Photometry : Type C
Nema Type: 7 X 7

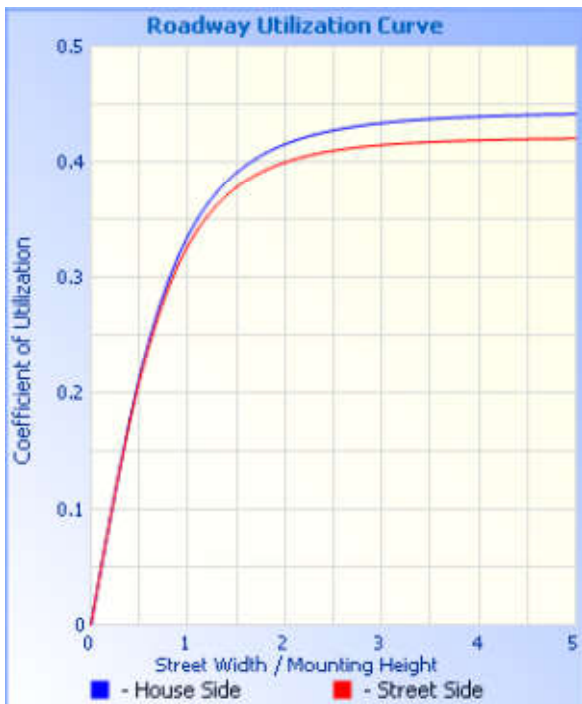
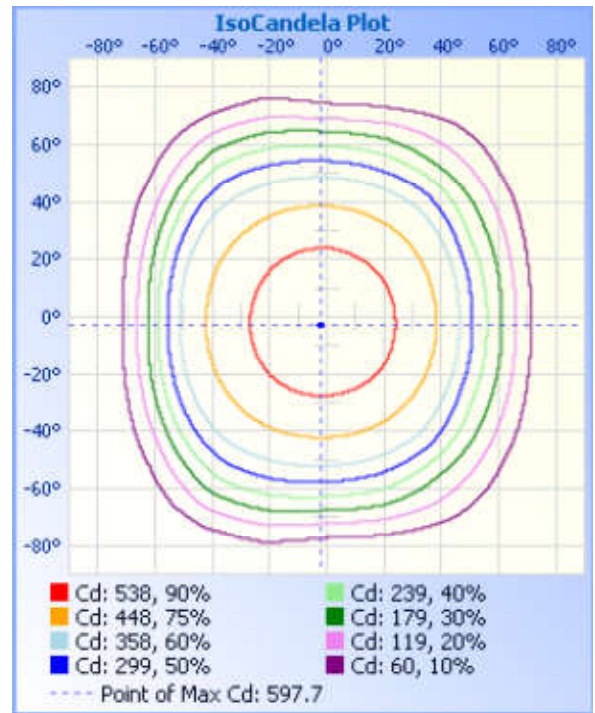
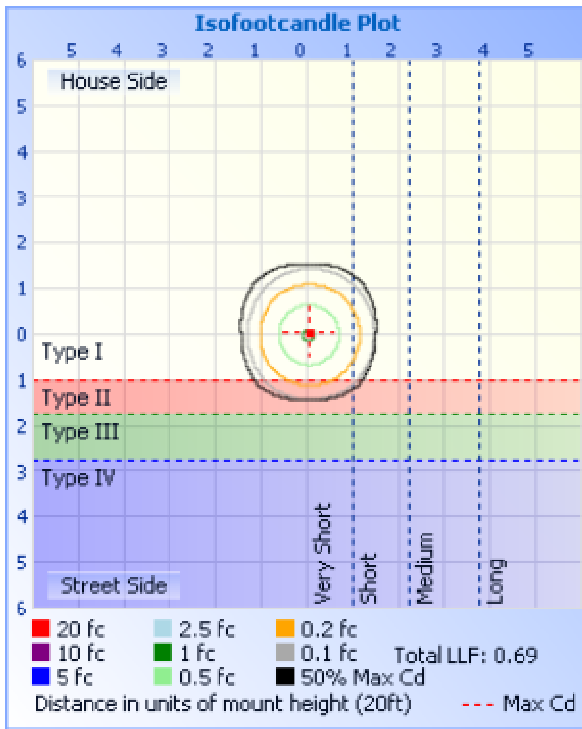


Roadway Summary		
Cutoff Classification:	FULL CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	53.7	
	Lumens	% Lamp
Downward Street Side:	777.1	48.8%
Downward House Side:	816.4	51.2%
Downward Total:	1,593.5	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,593.5	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.2%	1,564.9	142.8	151.8
Beam (50%):	77.3%	1,231.5	106.1	112
Total:	100%	1,593.0		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	468.3	29.4%	29.4%
0-40	771.1	48.4%	48.4%
0-60	1,350.0	84.7%	84.7%
60-90	243.3	15.3%	15.3%
70-100	72.2	4.5%	4.5%
90-120	0	0%	0%
0-90	1,593.3	100%	100%
90-180	0	0%	0%
0-180	1,593.3	100%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	56.5	3.5%	90-100	0	0%
10-20	162.8	10.2%	100-110	0	0%
20-30	248.9	15.6%	110-120	0	0%
30-40	302.9	19.0%	120-130	0	0%
40-50	312.5	19.6%	130-140	0	0%
50-60	266.3	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	7.7	0.5%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
17.0ft	2.07 fc	50.4 ft	45.2 ft
34.0ft	0.52 fc	100.9 ft	90.4 ft
51.0ft	0.23 fc	151.3 ft	135.5 ft
68.0ft	0.13 fc	201.8 ft	180.7 ft
85.0ft	0.08 fc	252.2 ft	225.9 ft
102.0ft	0.06 fc	302.6 ft	271.1 ft

■ Vert. Spread: 112.0°
■ Horiz. Spread: 106.1°

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	597	597	597	597	597	597	597	597	597	597	597	597	597	597	597	597	597
1	596	597	598	597	597	598	597	597	597	597	596	596	597	595	597	596	596
2	596	597	597	597	597	598	597	597	597	597	596	595	596	595	596	595	596
3	596	597	595	596	596	596	597	597	597	597	596	594	595	594	595	594	596
4	594	596	594	595	596	596	597	597	596	597	595	594	594	593	593	593	594
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6	593	594	593	594	595	595	596	596	596	596	594	592	591	591	590	591	593
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9	587	589	589	591	591	593	594	592	592	592	590	587	588	586	586	585	587
10	585	588	588	589	590	592	593	592	590	590	589	585	586	584	584	583	585
11	584	586	586	588	588	590	590	591	590	588	586	583	583	582	581	581	584
12	581	584	583	586	587	588	588	589	588	587	584	581	580	578	579	579	581
13	579	581	581	584	585	587	586	587	586	585	581	579	577	576	576	576	579
14	576	577	579	580	583	584	585	585	584	583	579	576	575	573	573	574	576
15	573	575	576	578	581	581	584	582	581	580	577	573	572	570	570	571	573
16	570	572	574	575	579	579	582	580	579	577	574	571	569	567	566	567	570
17	567	569	571	572	576	576	579	578	577	575	572	568	565	564	563	564	567
18	563	566	569	570	572	575	576	575	573	572	567	564	562	561	561	560	563
19	560	563	565	567	569	572	573	572	571	567	564	560	559	556	557	556	560
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21	553	555	557	559	562	564	566	566	564	561	557	552	550	547	549	548	553
22	548	552	553	556	559	561	563	563	561	557	553	548	546	543	543	544	548
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104																	

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150	0	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	0
157																	

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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
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 14:27
[MANUFAC] AST
[LUMCAT]
[LUMINAIRE] AST-FL06-15WCT1A1-abcd30
[LAMPCAT]
[LAMP]
[VOLTAGE] 276.8 V
[CURRENT] 0.059 A
[POWERFACTOR] 0.896
[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.