

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: INVUE

Report Number: P574409

Luminaire Tested: **CCP-VA-AMB-U-T4W**

Issue Date: 10/14/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P574409  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 10/14/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-VA-AMB-U-T4W  
Description: INVUE CLEARCURVE POLE MOUNT WAVEGUIDE T4W (4 LED BOARDS)  
Light Source: 1620 CCT, 0 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

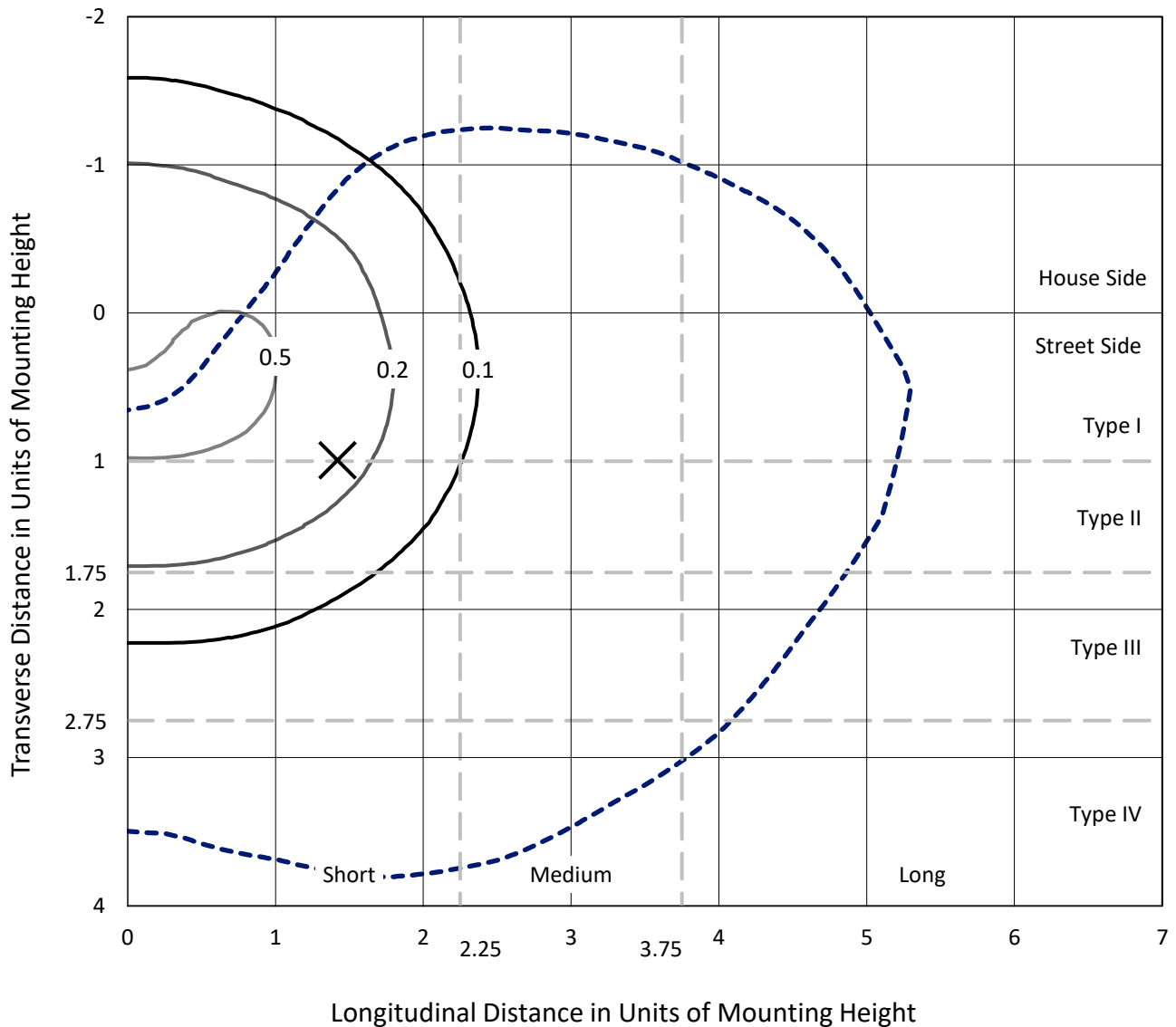
Lumens per Lamp: N/A  
Luminaire Lumens: 1292 lumens  
Efficiency: N/A  
Efficacy: 22.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 57.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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### Iso-Footcandle Lines of Horizontal Illumination

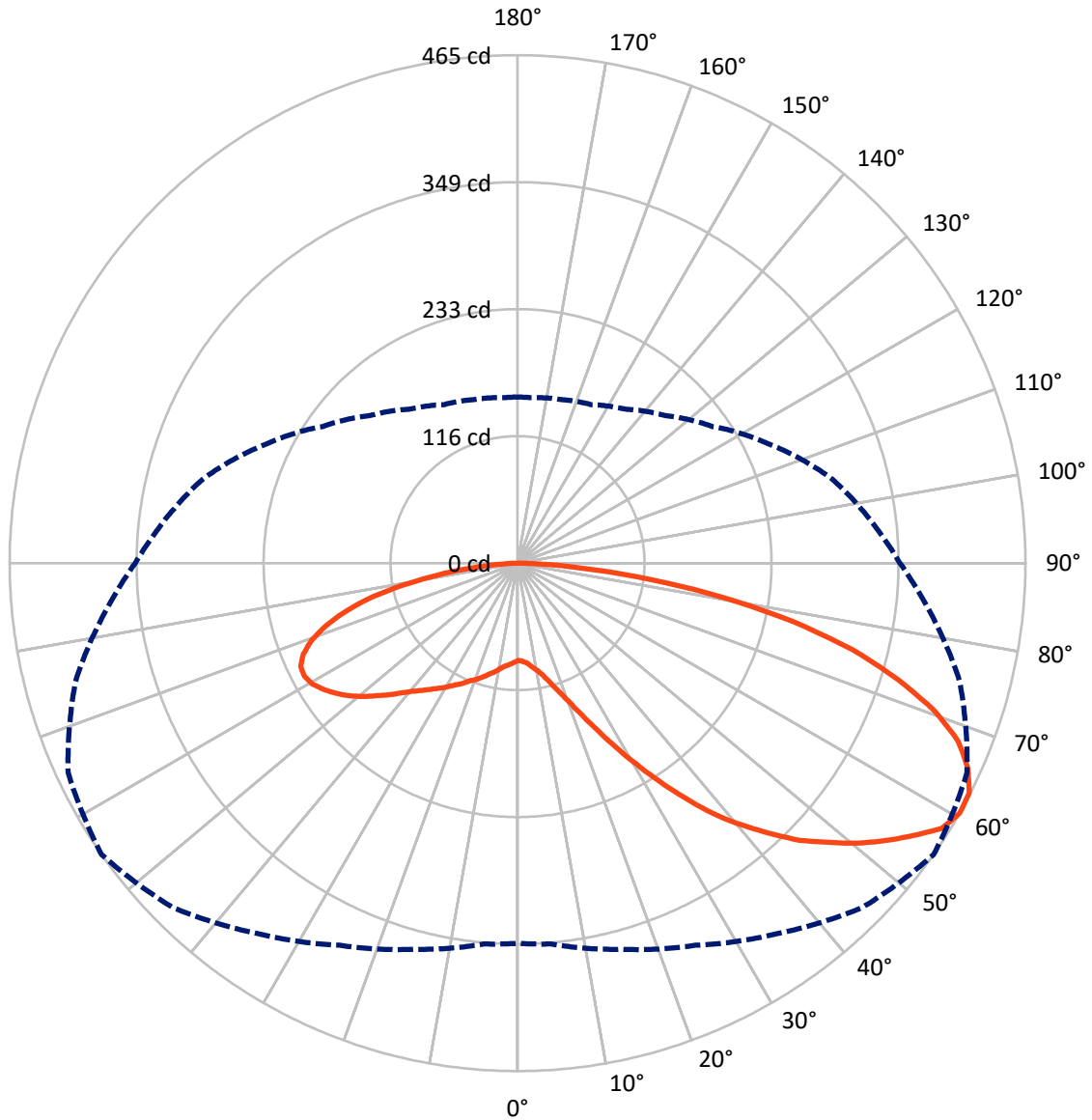
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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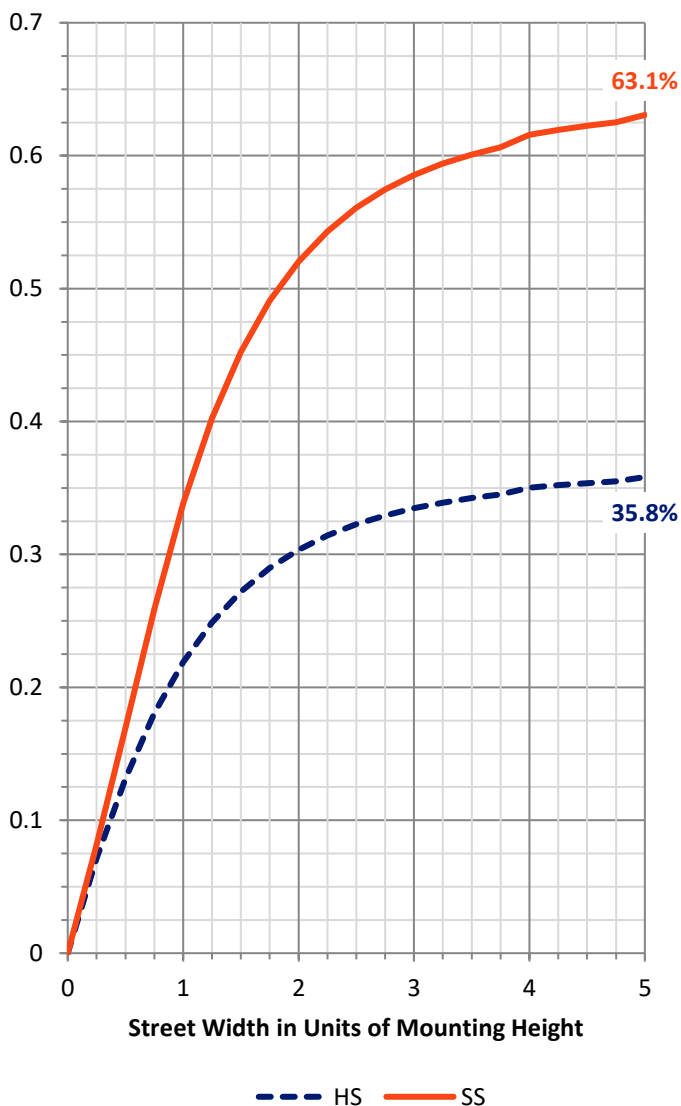
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	468.5	0.0	468.5
	% Fixture	36.3	0.0	36.3
<b>Street Side</b>	Lumens	823.5	0.0	823.5
	% Fixture	63.7	0.0	63.7
<b>Total</b>	Lumens	1292.0	0.0	1292.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.7
10°-20°	31.5	2.4
20°-30°	67.1	5.2
30°-40°	124.9	9.7
40°-50°	196.3	15.2
50°-60°	265.7	20.6
60°-70°	302.8	23.4
70°-80°	235.4	18.2
80°-90°	59.2	4.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1292.0	100.0
0°-180°	1292.0	100.0



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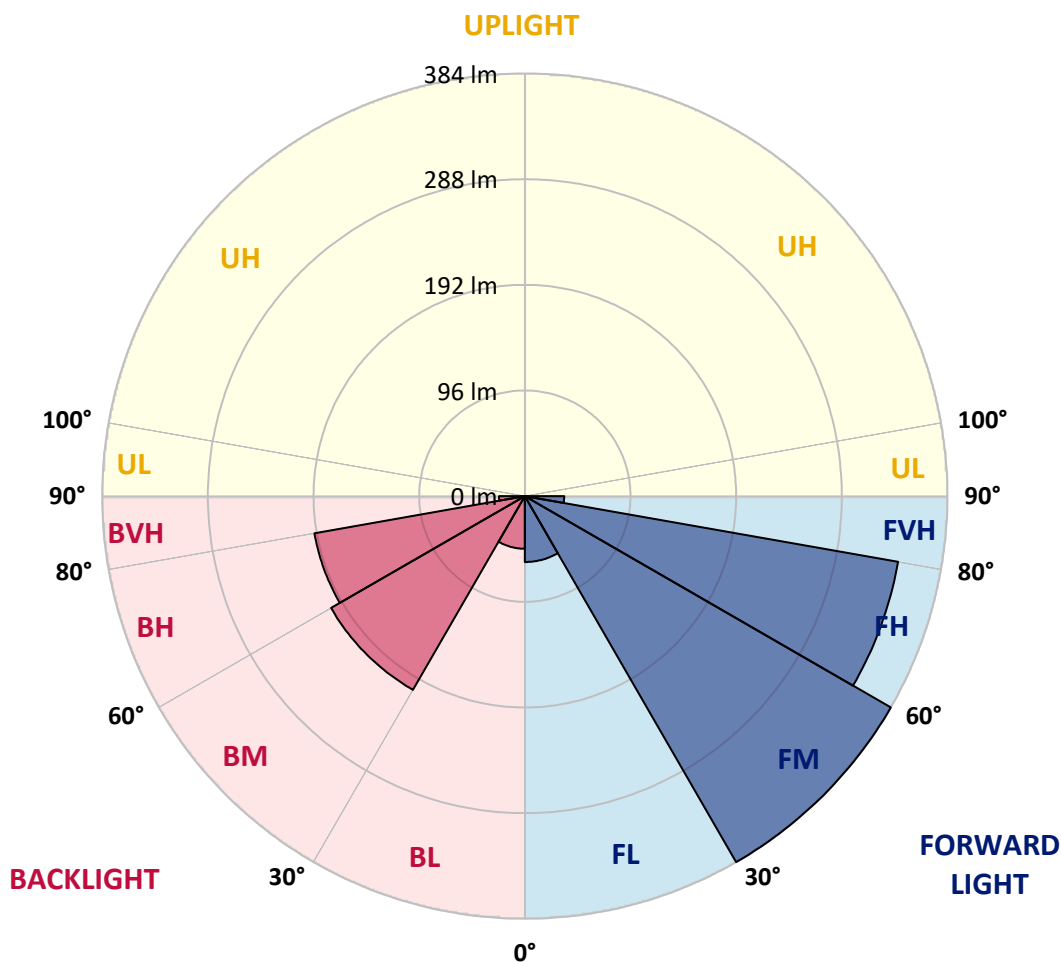
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.8	4.6			
FM (30°-60°)	383.8	29.7			
FH (60°-80°)	344.2	26.6			G0/660
FVH (80°-90°)	35.7	2.8			G1/100
BL (0°-30°)	47.8	3.7	B0/110		
BM (30°-60°)	203.2	15.7	B0/220		
BH (60°-80°)	194.1	15.0	B1/500		G1/500
BVH (80°-90°)	23.4	1.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	89	89	89	89	89	89	89	89	89	89	89
2.5°	91	91	91	91	90	90	90	90	91	91	91
5°	93	92	93	93	92	92	92	92	93	93	93
7.5°	96	96	96	96	96	96	96	96	96	95	95
10°	100	100	100	100	100	100	100	100	100	100	99
12.5°	105	105	106	106	106	106	106	106	105	105	104
15°	112	112	112	113	113	114	114	113	113	110	109
17.5°	122	121	122	123	123	124	124	123	121	118	117
20°	133	133	134	134	135	136	136	135	132	127	125
22.5°	146	146	147	148	149	151	151	149	144	137	133
25°	163	163	165	166	168	170	169	166	160	150	145
27.5°	183	183	185	186	188	191	190	187	177	164	158
30°	207	205	206	208	211	214	213	210	197	182	172
32.5°	225	229	228	233	235	238	238	233	219	200	190
35°	249	249	254	256	263	267	264	259	241	220	207
37.5°	269	273	276	281	288	293	291	285	267	240	226
40°	287	288	296	301	309	317	315	307	291	260	246
42.5°	300	301	309	320	329	340	338	330	311	282	263
45°	310	312	322	334	349	362	362	351	329	300	281
47.5°	319	320	332	347	365	381	382	370	346	315	298
50°	325	328	339	357	379	399	403	390	363	330	310
52.5°	331	334	345	365	390	413	422	408	378	342	323
55°	339	341	355	376	404	431	440	427	393	352	335
57.5°	346	349	363	384	412	442	458	444	406	362	341
60°	348	350	366	386	414	446	465	454	419	372	350
62.5°	342	345	364	386	410	442	464	456	426	381	359
65°	331	334	356	380	400	430	453	449	425	385	361
67.5°	316	318	339	366	384	411	435	432	415	383	361
70°	290	293	313	343	361	381	405	406	396	374	356
72.5°	255	257	280	309	330	345	364	369	368	354	339
75°	217	219	237	265	286	299	317	324	330	325	310
77.5°	172	175	191	213	230	241	258	266	278	277	263
80°	123	126	135	154	169	181	191	200	213	216	200
82.5°	76	77	83	95	105	113	123	132	142	143	132
85°	34	33	35	41	46	52	59	65	71	73	66
87.5°	3	3	3	4	8	10	13	15	18	19	18
90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	89	89	89	89	89	89	89	89	89	89
2.5°	91	91	91	91	91	91	91	91	91	91
5°	93	93	92	93	93	93	93	93	93	93
7.5°	95	96	95	95	95	95	95	95	95	96
10°	99	98	98	98	98	98	98	98	98	98
12.5°	103	102	102	102	102	102	101	101	100	101
15°	108	107	106	105	105	104	104	104	104	103
17.5°	115	112	111	109	108	108	107	107	107	106
20°	122	118	115	113	111	110	109	109	109	108
22.5°	131	125	119	116	114	112	111	111	110	110
25°	140	132	125	121	117	115	114	112	111	111
27.5°	152	140	131	125	121	119	117	115	113	113
30°	165	150	137	130	125	122	119	117	115	114
32.5°	179	160	144	135	129	125	122	119	117	116
35°	196	171	152	140	132	128	124	121	119	119
37.5°	212	184	161	146	136	130	127	124	121	121
40°	230	198	171	152	141	134	130	126	124	123
42.5°	247	212	182	160	146	138	133	128	126	126
45°	264	226	194	169	152	142	137	131	129	129
47.5°	280	240	205	178	158	147	140	135	133	133
50°	294	255	218	188	167	152	144	138	137	137
52.5°	305	268	229	197	174	157	148	142	141	141
55°	315	281	239	205	181	163	152	147	145	144
57.5°	325	291	248	212	187	168	156	151	149	148
60°	332	298	256	218	191	172	160	155	152	152
62.5°	337	301	260	221	194	175	163	157	154	154
65°	340	300	260	220	193	175	164	157	155	155
67.5°	340	296	253	213	188	172	160	153	151	151
70°	333	287	240	201	178	163	153	146	144	144
72.5°	317	268	221	184	163	151	142	134	132	132
75°	291	241	196	162	144	133	125	118	115	116
77.5°	246	204	162	135	120	111	105	98	95	96
80°	188	155	122	101	90	85	80	75	73	73
82.5°	125	101	80	68	59	58	56	52	52	52
85°	60	49	39	35	31	31	31	29	27	29
87.5°	15	12	9	9	8	7	7	6	6	6
90°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)