

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: P188983

Luminaire Tested: **ABW-B2-LED-D1-S**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P188983  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34776)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ABW-B2-LED-D1-S  
Description: ARBOR OUTDOOR ARCHITECTURAL WALLMOUNT  
70 CRI, 4000K LEDS AND SYMMETRIC OPTIC, GRAPHITE METALLIC PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1294.7 lumens  
Efficiency: N/A  
Efficacy: 40.5 lumens/watt  
Luminous Opening: Circular (Dia: 4.75' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

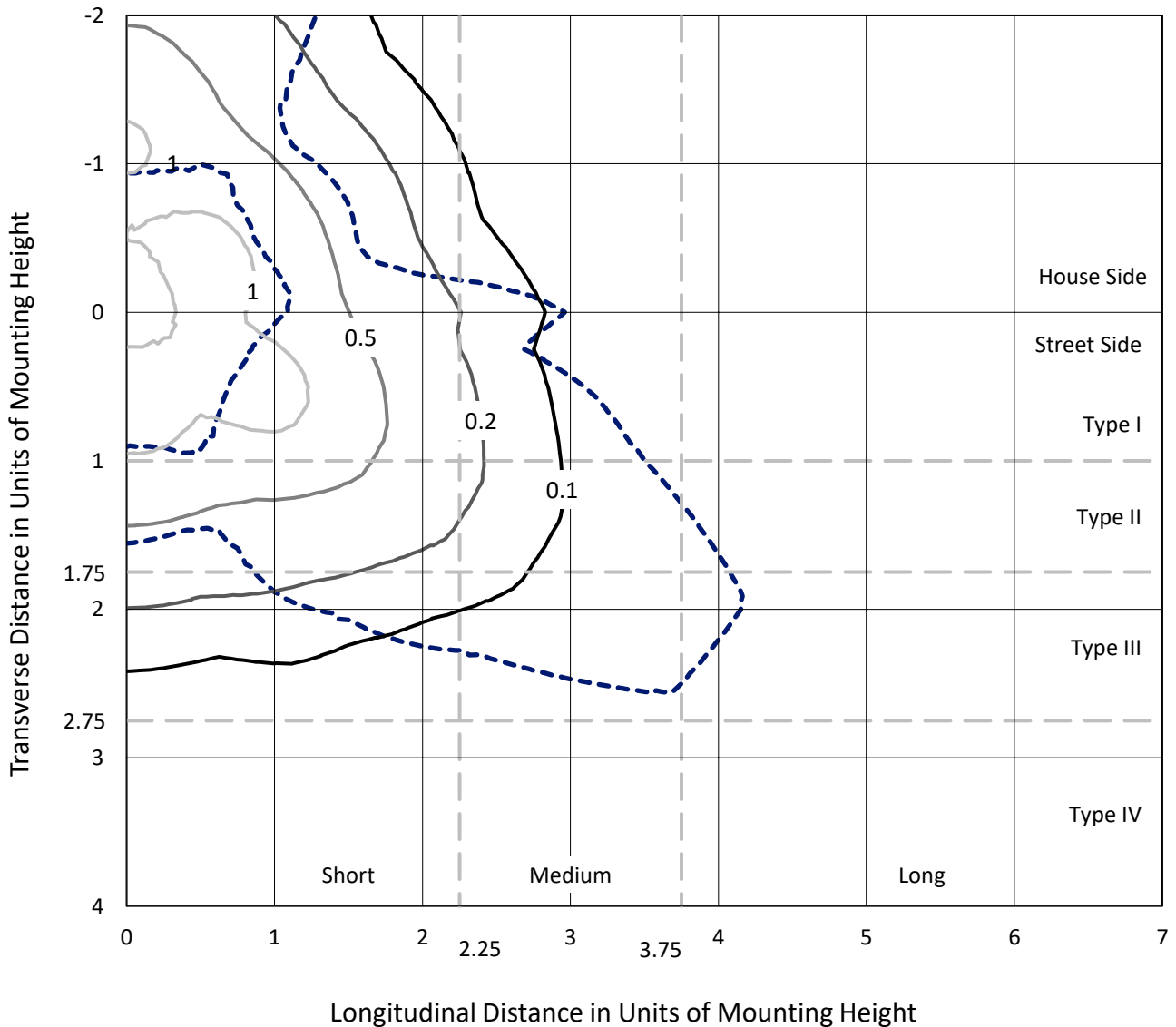
Input Watts (W): 32  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P188983  
 CATALOG NUMBER: ABW-B2-LED-D1-S

### Iso-Footcandle Lines of Horizontal Illumination

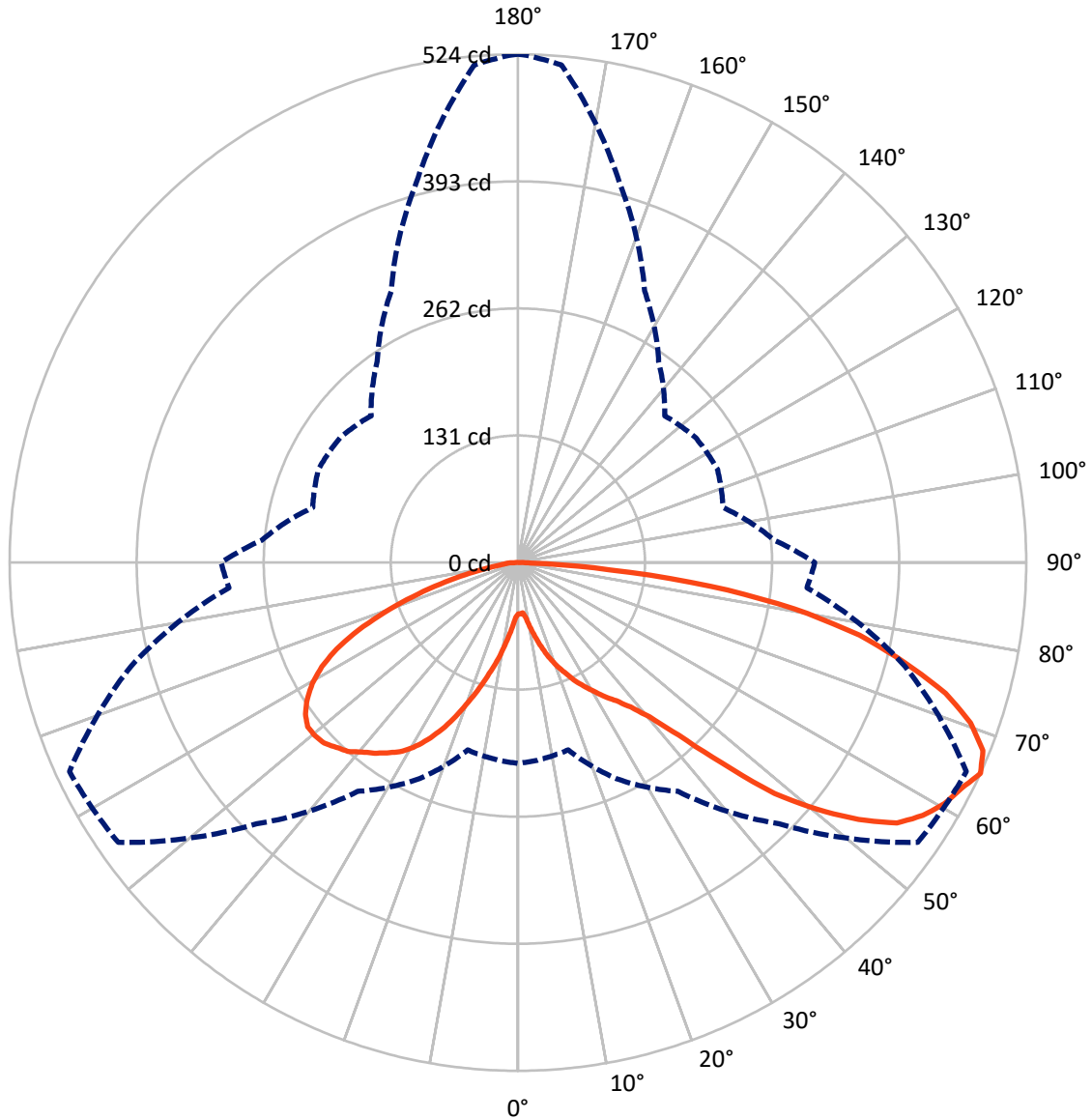
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P188983  
CATALOG NUMBER: ABW-B2-LED-D1-S

### Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P188983

CATALOG NUMBER: ABW-B2-LED-D1-S

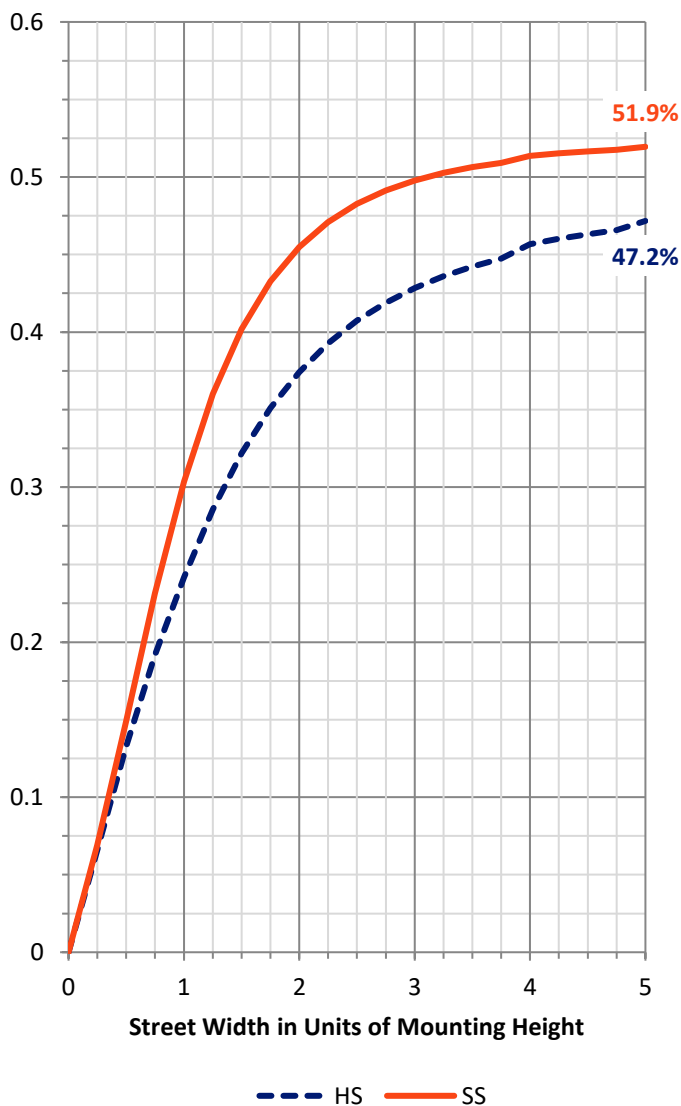
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	619.7	0.0	619.7
	% Fixture	47.9	0.0	47.9
<b>Street Side</b>	Lumens	675.0	0.0	675.0
	% Fixture	52.1	0.0	52.1
<b>Total</b>	Lumens	1294.7	0.0	1294.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.2	0.5
10°-20°	29.7	2.3
20°-30°	71.6	5.5
30°-40°	128.4	9.9
40°-50°	211.6	16.3
50°-60°	295.2	22.8
60°-70°	307.9	23.8
70°-80°	205.0	15.8
80°-90°	39.2	3.0
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°	1294.7	100.0
0°-180°	1294.7	100.0



REPORT NUMBER: P188983

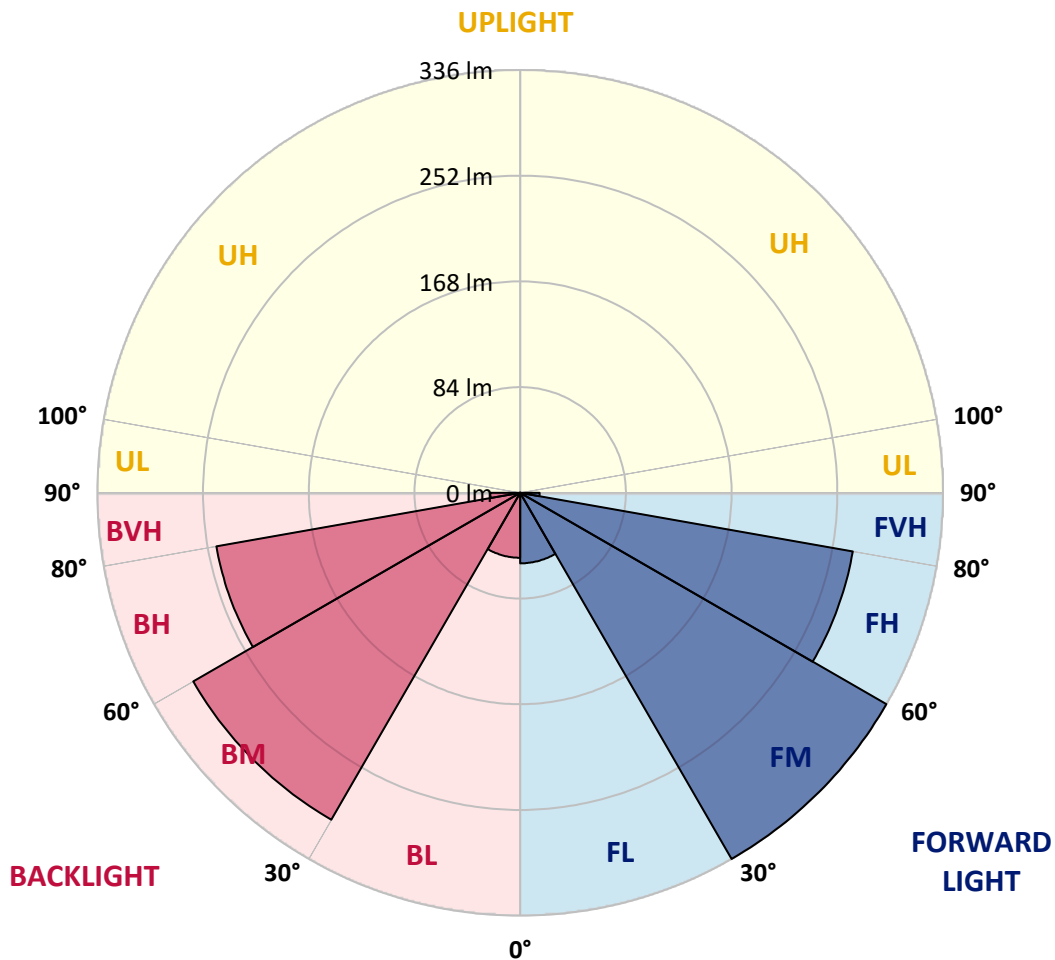
CATALOG NUMBER: ABW-B2-LED-D1-S

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	56.0	4.3			
FM	(30°-60°)	335.6	25.9			
FH	(60°-80°)	268.1	20.7			G0/660
FVH	(80°-90°)	15.4	1.2			G1/100
BL	(0°-30°)	51.6	4.0	B0/110		
BM	(30°-60°)	299.6	23.1	B1/1000		
BH	(60°-80°)	244.8	18.9	B1/500		G1/500
BVH	(80°-90°)	23.7	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 III Short





REPORT NUMBER: P188983  
 CATALOG NUMBER: ABW-B2-LED-D1-S

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	53	53	53	53	53	53	53	53	53	53	53
2.5°	56	55	55	54	55	54	53	53	53	53	53
5°	65	65	65	66	65	63	62	61	59	58	57
7.5°	76	77	77	78	76	74	72	70	68	67	66
10°	89	90	89	89	88	86	83	81	79	78	78
12.5°	104	103	102	102	99	96	94	92	91	90	90
15°	118	119	116	114	111	108	106	103	102	102	102
17.5°	135	134	130	127	123	119	116	115	113	113	114
20°	152	150	145	139	135	131	127	126	124	125	126
22.5°	171	169	159	151	146	141	137	136	135	137	138
25°	189	187	174	164	157	152	147	146	146	149	149
27.5°	205	203	189	175	167	162	158	157	157	159	161
30°	219	217	203	187	177	172	169	168	168	170	171
32.5°	230	228	216	198	187	183	182	180	180	181	183
35°	238	236	228	210	197	195	196	194	193	192	193
37.5°	246	245	237	221	208	212	215	216	211	203	204
40°	253	253	247	233	221	234	250	250	238	217	217
42.5°	262	262	258	245	239	266	297	299	271	239	234
45°	267	269	267	255	255	294	352	355	303	256	246
47.5°	273	273	273	262	270	324	393	399	334	276	260
50°	275	277	276	269	286	351	438	441	368	292	273
52.5°	275	275	274	268	297	378	473	477	398	306	285
55°	269	268	266	266	306	394	493	501	417	314	292
57.5°	259	258	256	262	309	402	504	510	429	316	298
60°	246	246	241	258	310	404	514	520	432	317	304
62.5°	229	229	224	255	302	398	515	522	429	311	307
65°	207	205	200	247	288	381	503	510	413	299	306
67.5°	179	177	173	233	265	351	479	486	383	280	296
70°	147	148	144	211	237	311	441	449	345	253	276
72.5°	114	115	119	182	206	265	389	399	300	225	245
75°	83	83	91	147	167	208	327	341	242	189	209
77.5°	56	55	65	103	124	152	258	269	184	145	162
80°	33	33	38	55	73	88	173	185	121	94	104
82.5°	18	18	17	18	26	29	74	89	60	39	42
85°	13	12	12	11	12	13	16	17	18	15	14
87.5°	10	10	10	8	9	10	13	13	11	10	9
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P188983  
 CATALOG NUMBER: ABW-B2-LED-D1-S

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	53	53	53	53	53	53	53	53	53	53	53
2.5°	53	53	53	53	53	53	54	53	53	53	53
5°	56	55	54	53	52	52	51	51	51	52	52
7.5°	66	65	63	61	60	58	56	56	56	57	57
10°	77	76	74	72	69	69	67	67	66	67	67
12.5°	89	88	87	84	83	81	79	79	79	78	78
15°	101	101	99	97	95	93	92	90	90	90	90
17.5°	114	113	113	111	108	105	104	102	101	102	102
20°	127	127	129	128	123	118	116	114	112	113	113
22.5°	139	141	145	145	138	132	128	125	124	124	123
25°	151	155	161	165	154	144	139	135	134	134	134
27.5°	163	169	179	183	170	158	150	146	144	144	144
30°	174	183	197	200	186	172	162	156	154	154	154
32.5°	186	197	211	214	199	185	172	167	164	164	165
35°	197	211	224	226	214	197	183	178	176	175	175
37.5°	208	222	234	235	225	208	194	192	190	189	189
40°	220	234	242	242	235	220	206	208	210	211	209
42.5°	235	245	252	251	245	233	220	231	241	243	243
45°	245	255	261	259	255	246	241	265	288	295	294
47.5°	257	264	267	265	264	255	256	296	342	354	356
50°	266	271	272	269	269	263	271	323	387	396	400
52.5°	274	274	275	272	272	268	286	351	431	441	440
55°	276	271	274	271	269	269	297	377	468	475	474
57.5°	275	263	266	265	261	266	305	393	485	494	492
60°	273	252	256	254	249	262	310	401	498	506	505
62.5°	270	239	243	241	234	259	314	408	505	515	513
65°	265	219	227	224	214	253	309	405	515	523	524
67.5°	256	196	204	202	196	247	295	391	506	515	517
70°	239	168	174	177	174	236	276	364	482	491	495
72.5°	216	141	144	150	149	219	250	327	447	459	461
75°	184	118	114	118	124	193	217	282	402	413	412
77.5°	147	93	83	86	98	160	181	231	344	356	360
80°	99	66	54	58	71	119	137	169	278	288	289
82.5°	48	38	34	36	43	70	89	107	197	198	200
85°	15	18	17	19	20	24	36	43	92	93	95
87.5°	10	11	11	11	11	10	11	11	13	13	13
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)