

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: McGRAW-EDISON

Report Number: P#

Luminaire Tested: **ARCH2-30-AMB-U-T2U-PFS**

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2406-129-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ARCH2-30-AMB-U-T2U-PFS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) NARROW BAND AMBER, 300mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II U OPTICS WITH REAR PERIMETER FENCE SHIELD
Light Source: -
Ballast/Driver: -

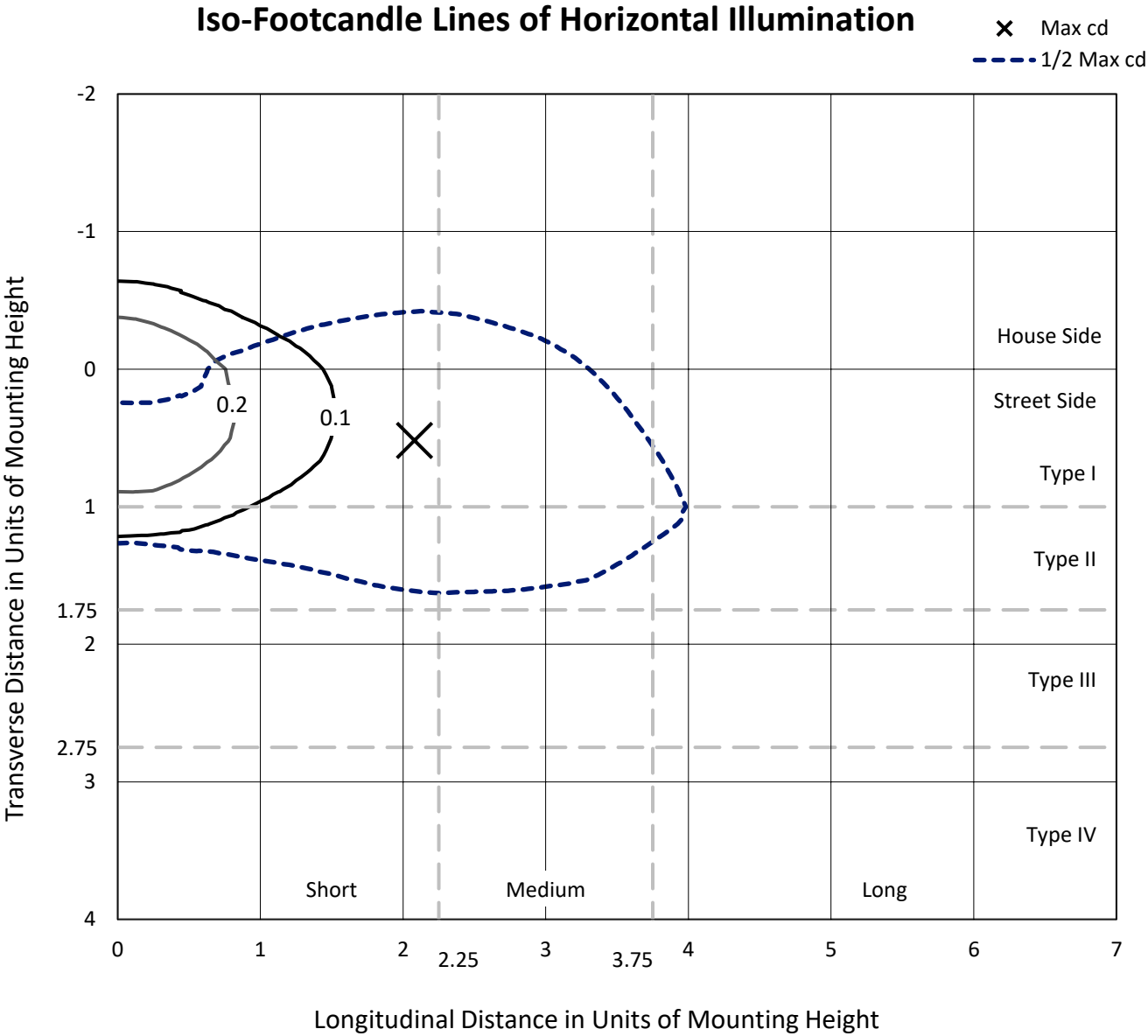
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 905 lumens
Efficiency: N/A
Efficacy: 30.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 29.5
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



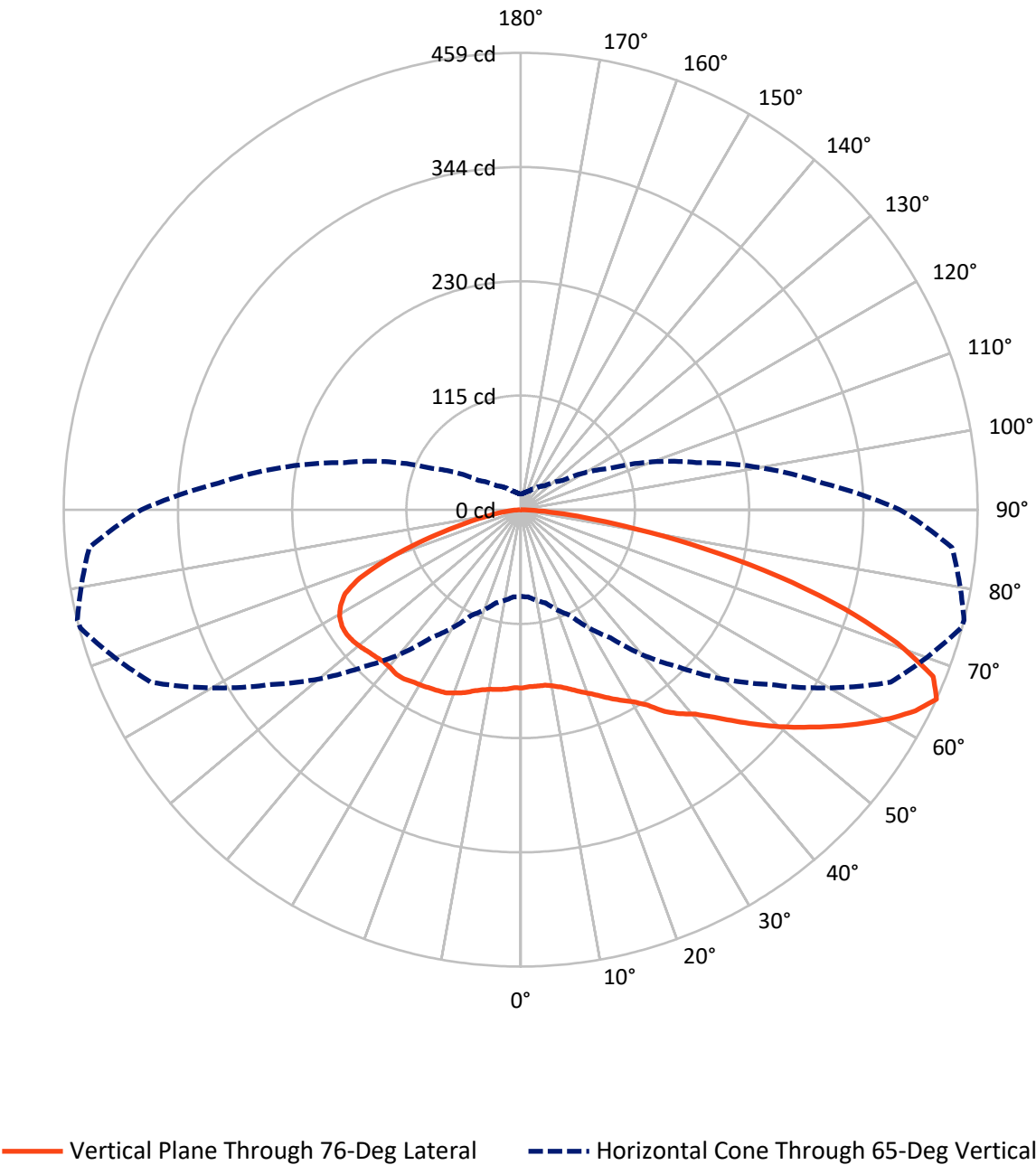
REPORT NUMBER: P#
CATALOG NUMBER: ARCH2-30-AMB-U-T2U-PFS



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
Type II - Short - N/A

REPORT NUMBER: P#
CATALOG NUMBER: ARCH2-30-AMB-U-T2U-PFS

Luminous Intensity Polar Plot



REPORT NUMBER: P#

CATALOG NUMBER: ARCH2-30-AMB-U-T2U-PFS

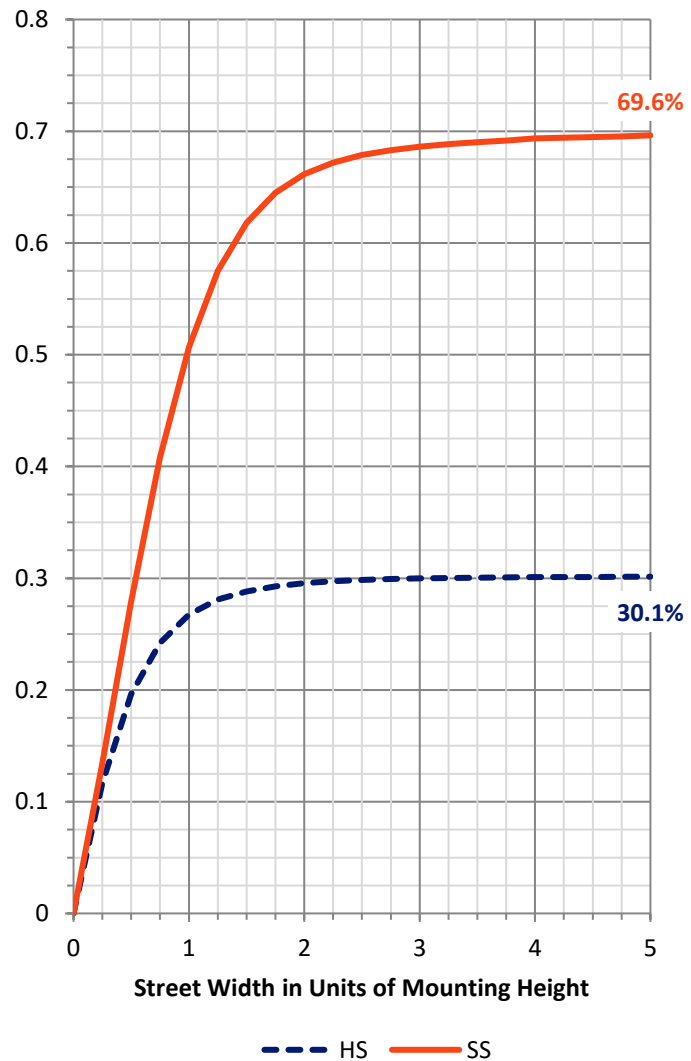
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.6	0.0	274.6
	% Fixture	30.3	0.0	30.3
Street Side	Lumens	630.4	0.0	630.4
	% Fixture	69.7	0.0	69.7
Total	Lumens	905.0	0.0	905.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	1.9
10°-20°	54.8	6.1
20°-30°	96.6	10.7
30°-40°	134.4	14.9
40°-50°	166.7	18.4
50°-60°	179.9	19.9
60°-70°	163.5	18.1
70°-80°	80.7	8.9
80°-90°	11.2	1.2
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°	905.0	100.0
0°-180°	905.0	100.0

Coefficient of Utilization



REPORT NUMBER: P#

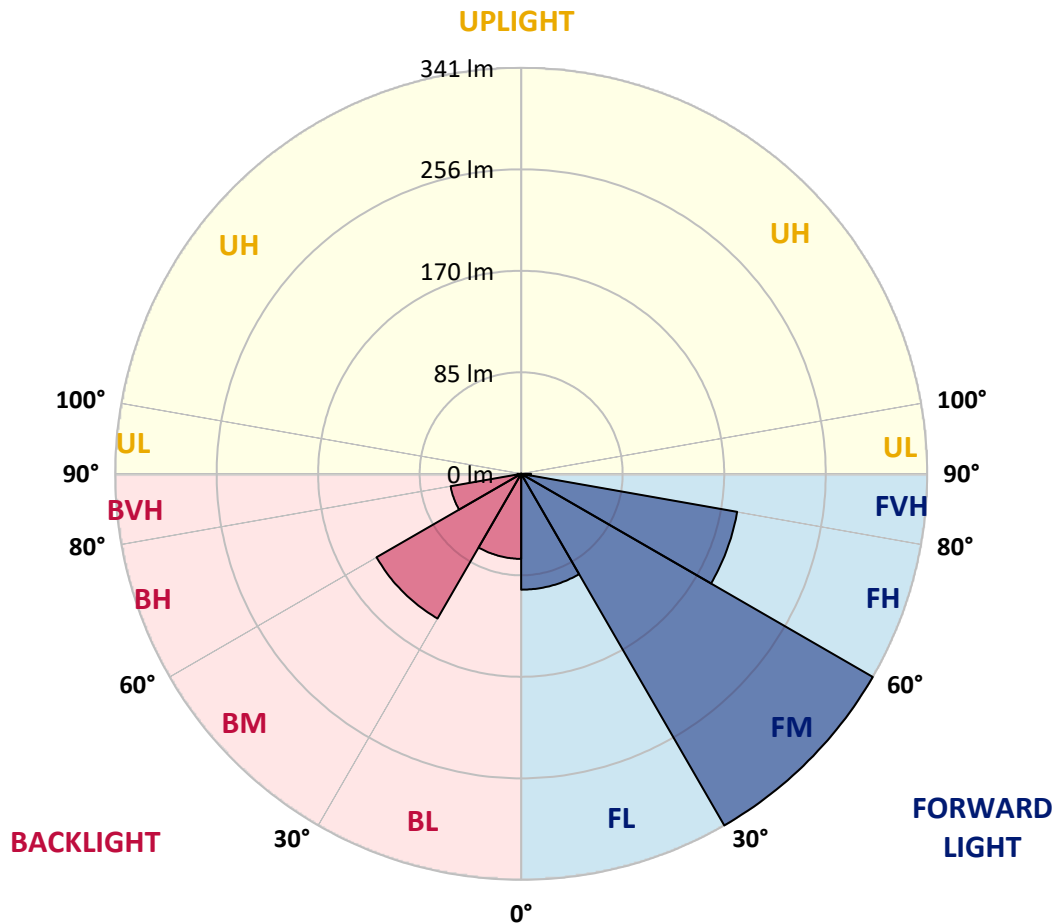
CATALOG NUMBER: ARCH2-30-AMB-U-T2U-PFS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.3	10.7			
FM	(30°-60°)	340.8	37.7			
FH	(60°-80°)	184.1	20.3			G0/660
FVH	(80°-90°)	8.3	0.9			G0/10
BL	(0°-30°)	71.4	7.9	B0/110		
BM	(30°-60°)	140.2	15.5	B0/220		
BH	(60°-80°)	60.1	6.6	B0/110		G0/110
BVH	(80°-90°)	2.9	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Short



REPORT NUMBER: P#

CATALOG NUMBER: ARCH2-30-AMB-U-T2U-PFS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	179	179	179	179	179	179	179	179	179	179	179
2.5°	177	177	178	177	177	177	177	177	177	178	179
5°	180	180	180	179	178	178	178	177	177	178	179
7.5°	187	187	187	185	182	180	179	179	178	178	180
10°	200	199	198	194	190	185	183	181	180	180	181
12.5°	218	217	214	209	201	194	189	185	183	183	184
15°	237	238	234	226	216	205	196	190	187	187	189
17.5°	259	259	255	246	232	218	206	197	192	192	193
20°	271	270	268	261	250	233	217	204	197	197	197
22.5°	280	279	278	274	263	249	229	213	203	203	202
25°	284	282	283	282	277	265	245	222	210	210	208
27.5°	287	286	288	288	284	277	260	232	218	217	214
30°	291	290	292	294	292	287	271	245	226	224	221
32.5°	293	292	295	299	298	295	281	256	237	234	230
35°	296	295	297	303	304	302	291	268	251	249	242
37.5°	299	298	300	307	309	309	302	281	262	260	252
40°	298	298	305	311	312	314	313	294	272	270	261
42.5°	304	307	314	314	312	316	320	306	288	285	274
45°	292	291	303	310	309	317	329	321	306	303	288
47.5°	279	277	283	296	302	317	337	339	326	323	304
50°	250	250	267	282	293	317	344	357	346	343	321
52.5°	215	215	230	265	283	313	350	374	366	363	338
55°	190	193	209	234	268	303	353	390	387	384	358
57.5°	161	165	181	204	247	286	351	404	408	405	379
60°	133	136	148	175	221	270	342	414	428	426	404
62.5°	109	111	121	145	189	248	327	418	446	445	424
65°	87	88	97	117	157	223	306	410	458	459	435
67.5°	66	67	77	91	126	189	281	387	444	447	408
70°	45	46	58	71	96	148	240	339	398	401	346
72.5°	32	33	44	56	73	109	182	284	340	340	281
75°	24	24	31	43	55	73	121	217	269	268	212
77.5°	16	17	20	29	37	49	74	148	195	190	149
80°	10	11	12	19	22	27	40	78	120	117	92
82.5°	5	5	6	9	11	15	21	40	66	65	56
85°	1	1	2	2	4	6	10	16	29	29	26
87.5°	1	1	1	1	1	1	2	2	3	4	3
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P#
CATALOG NUMBER: ARCH2-30-AMB-U-T2U-PFS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	179	179	179	179	179	179	179	179	179	179	179
2.5°	179	178	179	179	180	181	181	181	182	182	182
5°	179	179	181	181	182	182	182	182	182	183	183
7.5°	180	180	182	182	182	181	180	179	179	179	179
10°	182	182	183	182	181	178	176	174	172	172	173
12.5°	184	184	185	182	179	175	171	168	167	167	167
15°	189	188	188	183	178	172	168	165	163	163	163
17.5°	194	193	192	184	176	169	165	162	160	160	160
20°	198	198	195	184	175	167	162	159	156	155	155
22.5°	203	203	198	184	173	164	159	153	149	147	147
25°	209	207	199	183	170	161	153	145	138	135	135
27.5°	214	211	200	181	167	156	146	134	126	123	123
30°	220	217	201	179	163	148	134	123	116	114	114
32.5°	228	222	202	177	157	138	123	114	108	105	104
35°	238	228	204	176	150	126	113	106	99	96	96
37.5°	248	236	204	170	142	116	106	97	92	89	89
40°	255	239	202	164	132	108	96	89	86	85	85
42.5°	264	246	201	159	122	100	88	83	81	79	79
45°	275	255	202	154	115	91	80	76	74	71	71
47.5°	289	265	203	149	108	83	73	68	63	60	59
50°	302	274	205	142	99	76	65	58	52	48	47
52.5°	317	285	206	134	91	69	56	47	42	38	38
55°	334	296	206	127	83	61	47	38	35	34	33
57.5°	352	305	204	119	76	54	40	34	31	30	30
60°	369	311	200	111	70	45	35	30	28	27	26
62.5°	382	312	193	105	61	39	31	26	23	22	22
65°	381	305	183	98	51	34	27	21	18	16	16
67.5°	350	281	164	86	42	30	22	16	14	12	12
70°	297	243	133	62	36	24	17	12	9	7	7
72.5°	243	203	98	43	27	18	12	8	6	5	5
75°	184	153	66	31	19	11	8	6	4	3	3
77.5°	133	105	44	22	12	7	6	4	2	1	1
80°	85	65	28	14	7	4	3	2	1	0	0
82.5°	52	39	18	9	4	2	2	1	1	0	0
85°	24	21	11	4	2	1	1	1	0	0	0
87.5°	4	4	2	1	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)