

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: P823270

Luminaire Tested: **TTN-D0-740-U-WQ**

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823270  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D0-740-U-WQ  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND WIDE DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

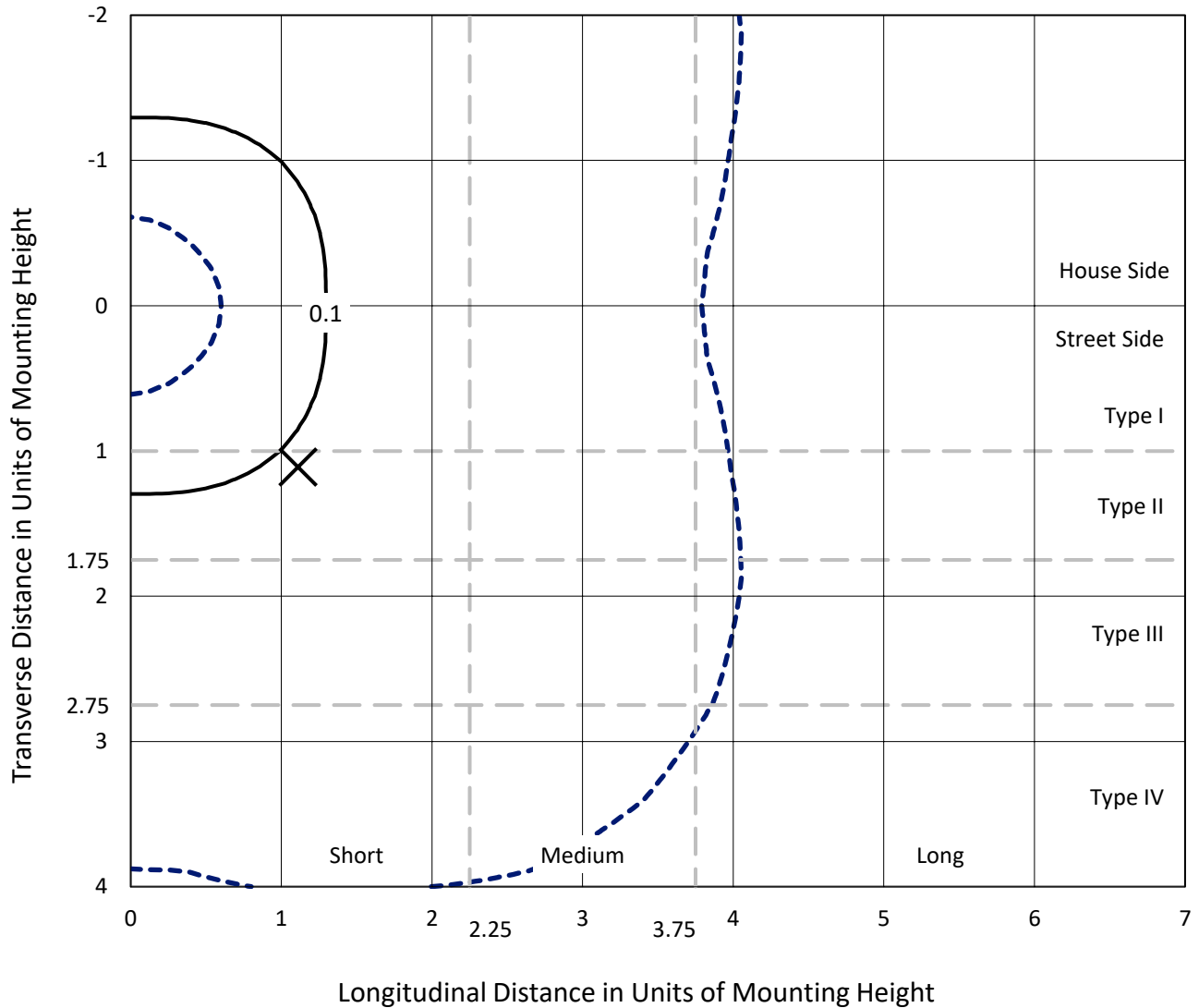
Lumens per Lamp: N/A  
Luminaire Lumens: 1215.1 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 10.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



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### Iso-Footcandle Lines of Horizontal Illumination

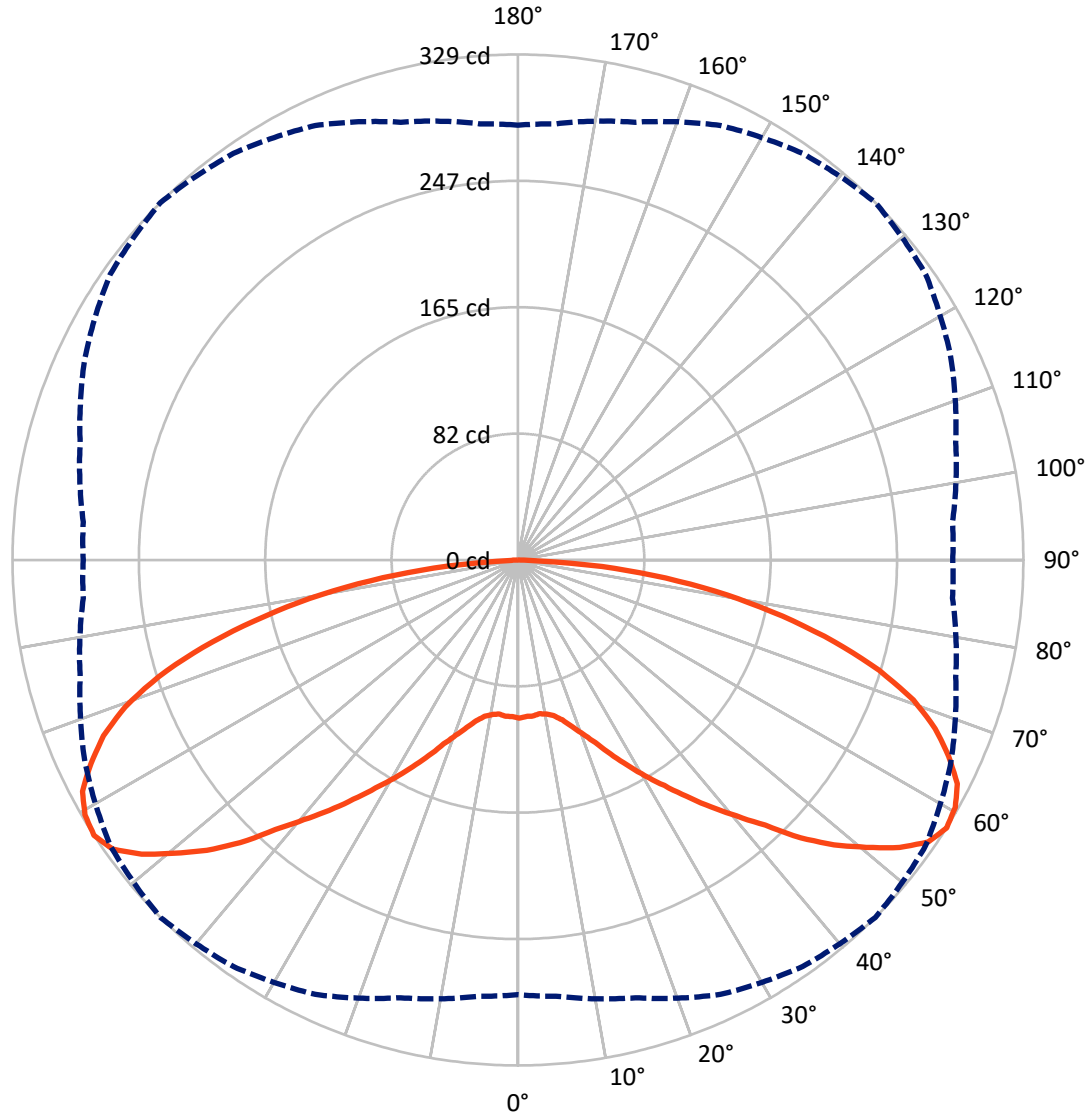
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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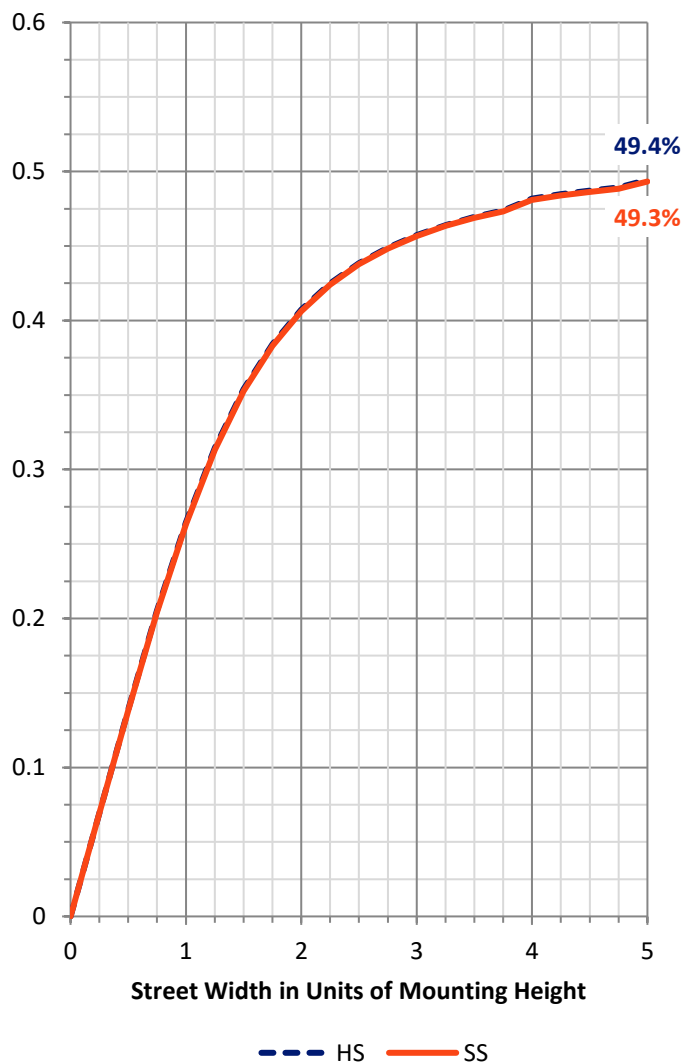
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	607.6	0.0	607.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	607.6	0.0	607.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1215.1	0.0	1215.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.7	0.8
10°-20°	30.9	2.5
20°-30°	64.8	5.3
30°-40°	117.6	9.7
40°-50°	191.7	15.8
50°-60°	268.3	22.1
60°-70°	280.1	23.1
70°-80°	200.2	16.5
80°-90°	51.8	4.3
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°	1215.1	100.0
0°-180°	1215.1	100.0

**Coefficient of Utilization**

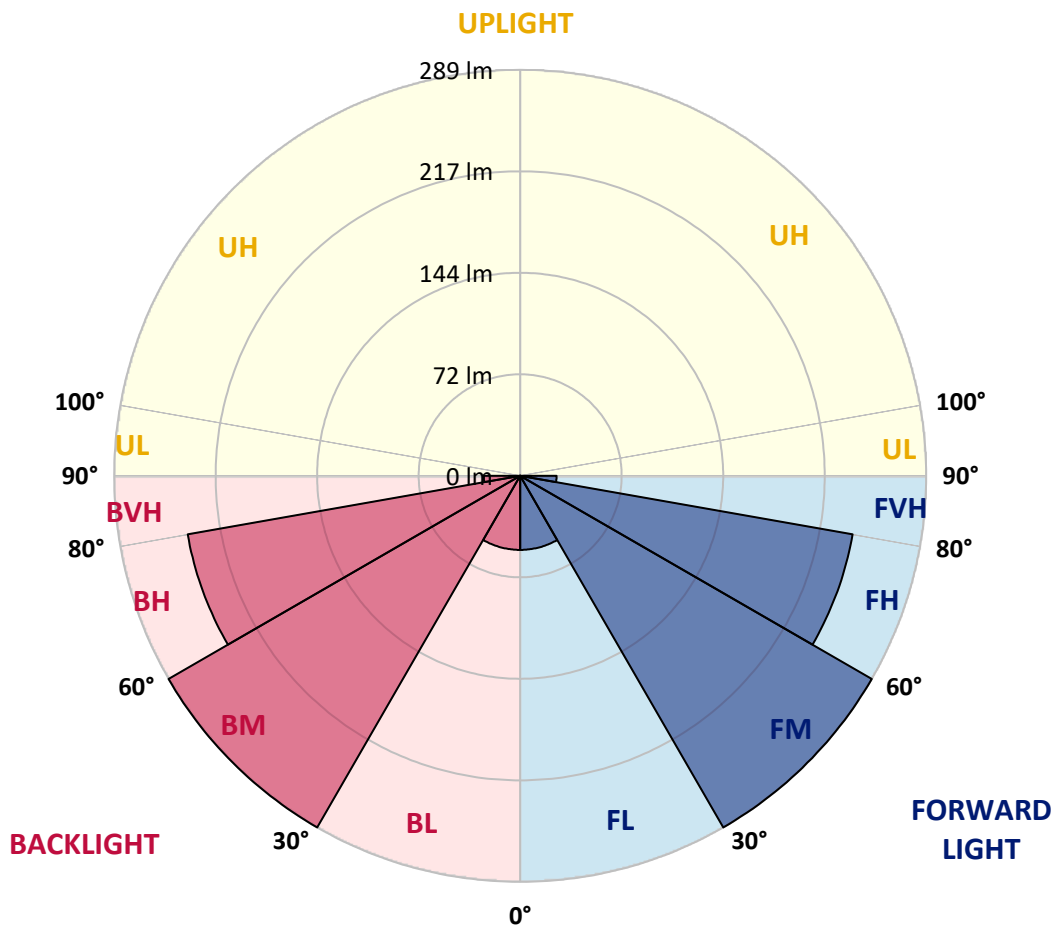


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.7	4.3			
FM (30°-60°)	288.8	23.8			
FH (60°-80°)	240.2	19.8			G0/660
FVH (80°-90°)	25.9	2.1			G1/100
BL (0°-30°)	52.7	4.3	B0/110		
BM (30°-60°)	288.8	23.8	B1/1000		
BH (60°-80°)	240.2	19.8	B1/500		G0/660
BVH (80°-90°)	25.9	2.1			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 V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	103	103	103	103	103	103	103	103	103	103	103
2.5°	102	102	102	102	102	102	102	102	102	102	102
5°	102	102	102	102	102	102	102	102	102	102	102
7.5°	100	100	101	101	101	101	101	101	101	101	101
10°	100	100	101	101	102	102	102	101	101	100	100
12.5°	102	102	102	103	104	104	104	103	103	102	102
15°	105	106	106	107	108	108	108	107	107	106	106
17.5°	111	111	111	112	113	114	114	112	112	111	112
20°	117	118	118	119	120	121	120	119	118	118	118
22.5°	126	126	127	127	129	129	129	127	127	127	127
25°	136	136	137	138	140	140	139	137	137	137	138
27.5°	148	148	149	149	151	151	150	149	149	149	150
30°	159	159	161	162	163	163	163	161	161	160	160
32.5°	169	170	171	174	176	175	176	174	172	171	171
35°	180	181	183	186	189	189	189	186	184	182	183
37.5°	193	193	196	199	203	204	203	200	197	195	195
40°	207	207	210	213	218	219	218	214	210	209	209
42.5°	221	221	225	228	234	236	234	229	225	222	223
45°	236	237	242	248	255	258	255	249	243	237	237
47.5°	253	253	259	266	274	277	273	267	259	254	254
50°	264	265	273	282	292	294	291	282	273	266	265
52.5°	275	276	285	298	308	311	307	298	285	276	276
55°	282	284	294	308	319	324	318	308	293	283	282
57.5°	283	285	295	312	323	329	324	311	295	284	283
60°	281	282	292	310	323	327	323	309	291	282	280
62.5°	276	278	288	303	318	321	317	302	287	276	274
65°	260	262	277	292	305	308	305	292	276	260	258
67.5°	242	243	258	276	288	293	288	277	257	242	240
70°	223	224	236	255	267	273	268	256	235	222	221
72.5°	201	201	213	228	240	246	242	227	211	198	196
75°	171	172	185	196	209	213	209	197	182	169	167
77.5°	140	141	152	161	173	176	173	163	149	138	137
80°	106	107	116	124	134	138	135	125	114	104	101
82.5°	69	70	79	85	94	97	95	86	77	67	66
85°	31	32	40	45	52	55	53	45	38	29	27
87.5°	3	3	3	3	3	4	4	3	3	3	3
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)