

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: P832509

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

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832509  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TTN-D0-740-U-WQ-CG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH CLEAR GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

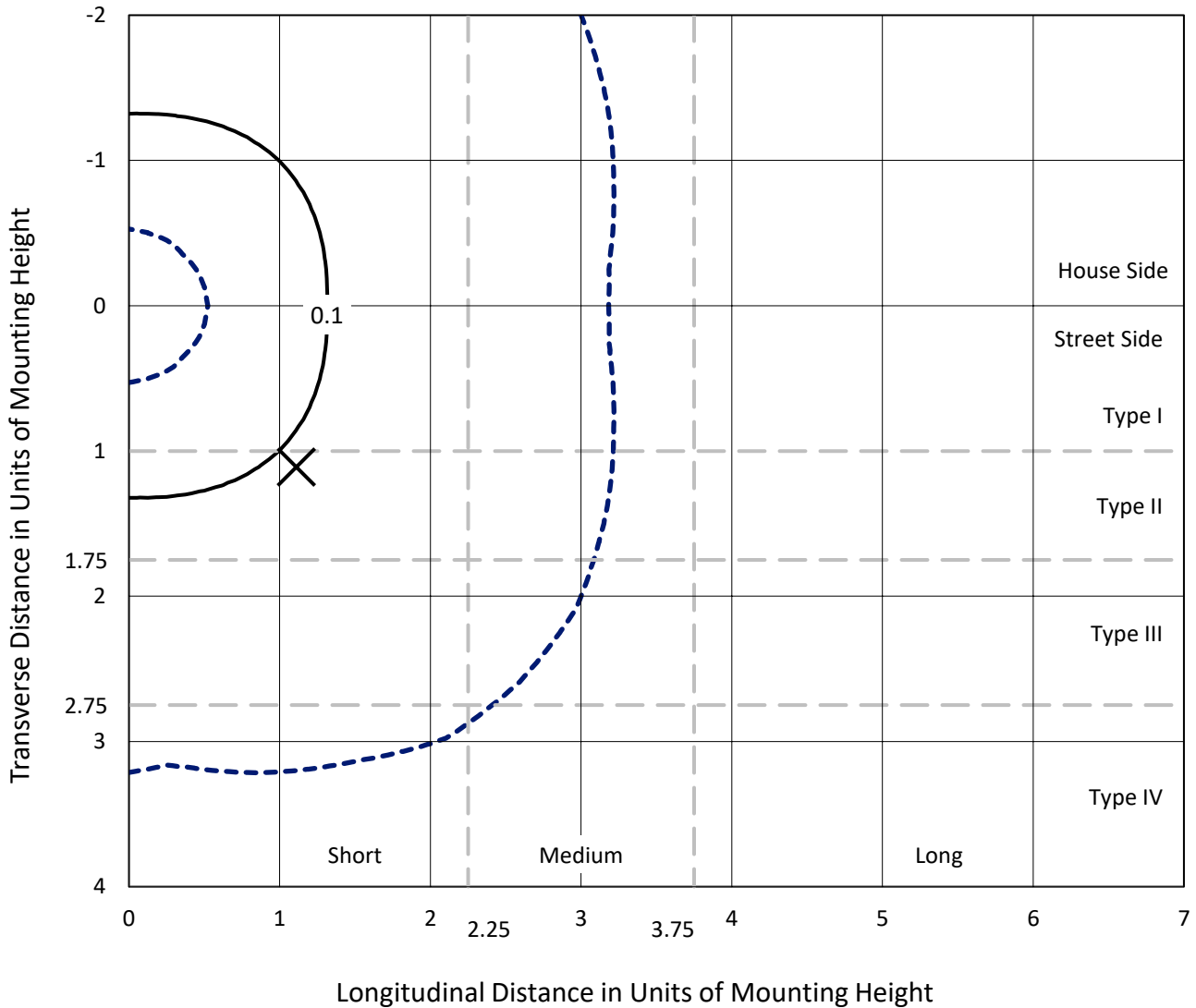
Lumens per Lamp: N/A  
Luminaire Lumens: 1153.8 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 10.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

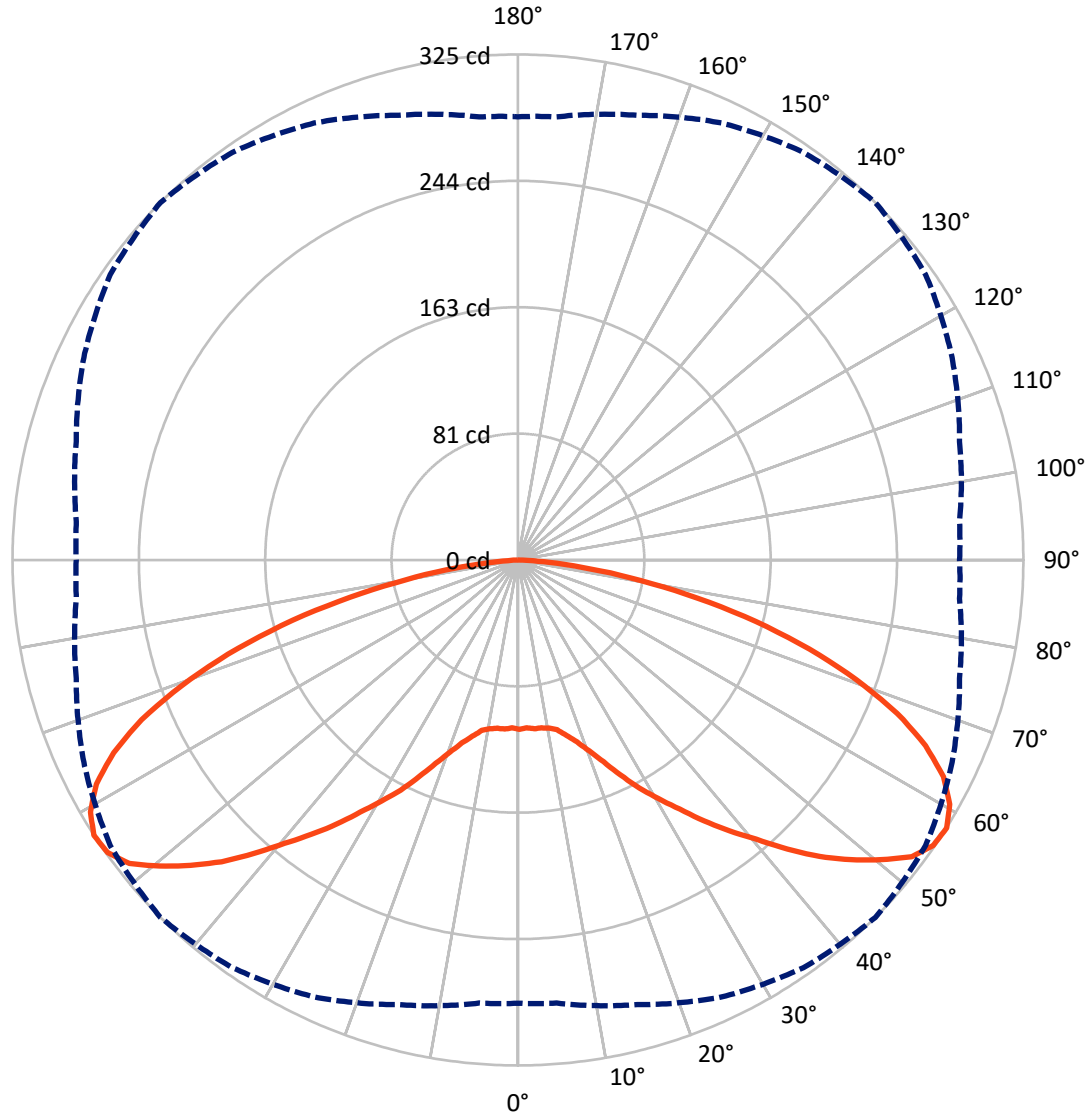
× Max cd  
 - - - 1/2 Max cd



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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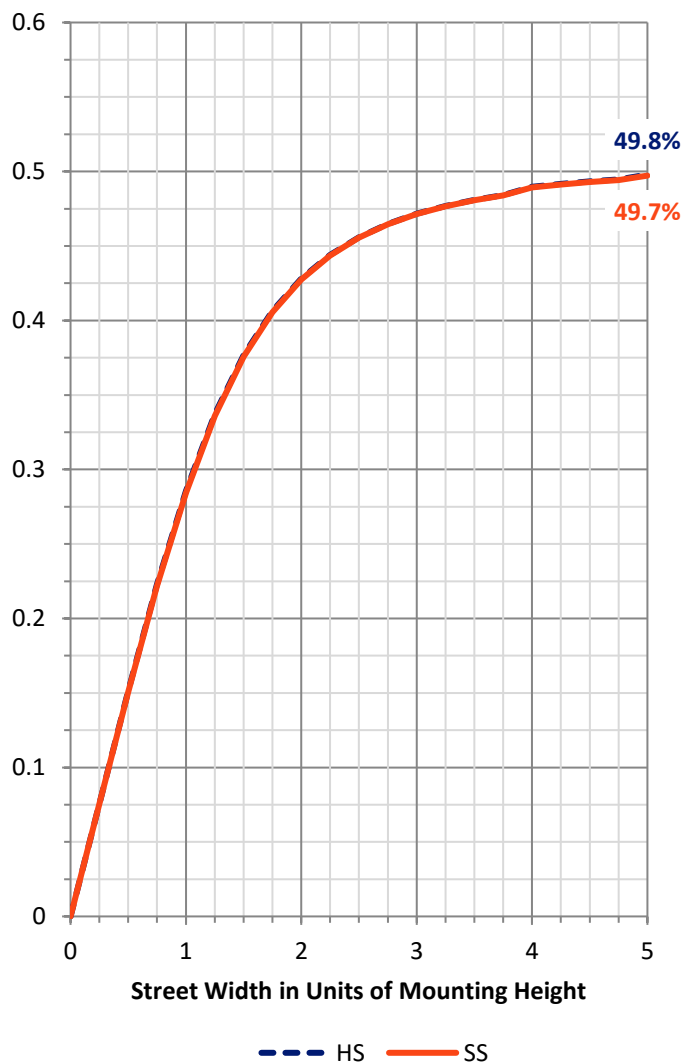
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	576.9	0.0	576.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	576.9	0.0	576.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1153.8	0.0	1153.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	0.9
10°-20°	33.6	2.9
20°-30°	70.7	6.1
30°-40°	127.5	11.0
40°-50°	202.6	17.6
50°-60°	270.4	23.4
60°-70°	261.2	22.6
70°-80°	151.4	13.1
80°-90°	26.1	2.3
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°	1153.8	100.0
0°-180°	1153.8	100.0

**Coefficient of Utilization**



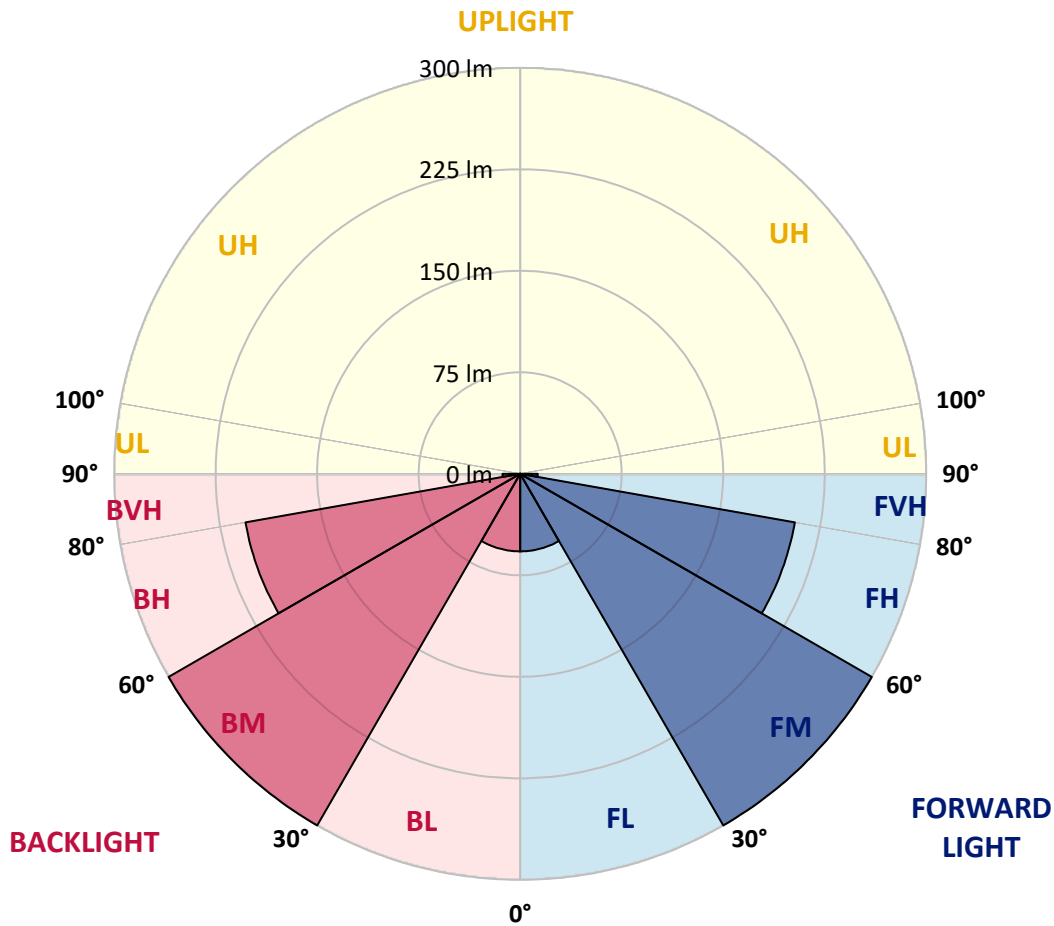
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.4	5.0			
FM (30°-60°)	300.2	26.0			
FH (60°-80°)	206.3	17.9			G0/660
FVH (80°-90°)	13.0	1.1			G1/100
BL (0°-30°)	57.4	5.0	B0/110		
BM (30°-60°)	300.2	26.0	B1/1000		
BH (60°-80°)	206.3	17.9	B1/500		G0/660
BVH (80°-90°)	13.0	1.1			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°	109	109	109	109	109	109	109	109	109	109	109
2.5°	108	108	108	108	108	108	108	108	108	108	108
5°	109	109	109	109	109	109	109	109	109	109	109
7.5°	108	108	109	109	109	109	109	109	109	108	108
10°	109	109	109	110	110	110	110	110	109	109	109
12.5°	111	111	112	112	112	112	112	112	112	111	111
15°	116	116	116	117	117	117	117	117	116	116	116
17.5°	121	121	122	122	123	123	123	122	122	122	122
20°	128	128	129	129	130	131	131	130	129	129	129
22.5°	137	138	138	138	139	141	140	139	138	138	138
25°	148	149	150	150	151	153	153	150	150	150	150
27.5°	161	162	163	163	164	166	165	163	163	162	162
30°	173	174	175	176	177	178	178	176	175	174	173
32.5°	185	185	187	189	191	191	192	189	187	185	184
35°	197	198	199	202	205	206	205	202	199	197	197
37.5°	210	211	212	216	219	221	219	216	212	210	209
40°	224	225	226	231	234	236	233	230	226	224	223
42.5°	237	239	241	247	252	254	251	246	242	237	236
45°	253	255	258	264	269	272	268	263	257	253	252
47.5°	266	268	271	279	286	288	284	278	270	265	264
50°	276	278	284	293	301	303	299	291	282	275	274
52.5°	284	286	293	305	314	317	312	303	291	283	282
55°	288	289	298	311	320	324	319	309	296	287	286
57.5°	285	286	296	310	320	325	320	308	294	285	284
60°	279	279	288	304	316	319	314	302	287	278	277
62.5°	268	267	278	292	304	307	303	291	276	267	266
65°	247	245	261	274	285	288	285	274	260	246	244
67.5°	222	219	234	249	259	263	259	250	234	220	219
70°	196	193	205	218	229	231	227	218	203	194	194
72.5°	165	162	173	183	194	196	192	184	173	164	163
75°	131	128	138	146	157	158	156	147	138	129	129
77.5°	97	94	102	109	118	118	117	110	102	96	96
80°	64	62	69	72	80	80	79	74	68	64	63
82.5°	36	34	40	41	47	47	46	42	38	35	35
85°	14	12	16	17	20	20	19	18	15	13	13
87.5°	1	1	2	2	3	3	3	2	2	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)