

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: P823266

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

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823266  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-9)  
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-CQ  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

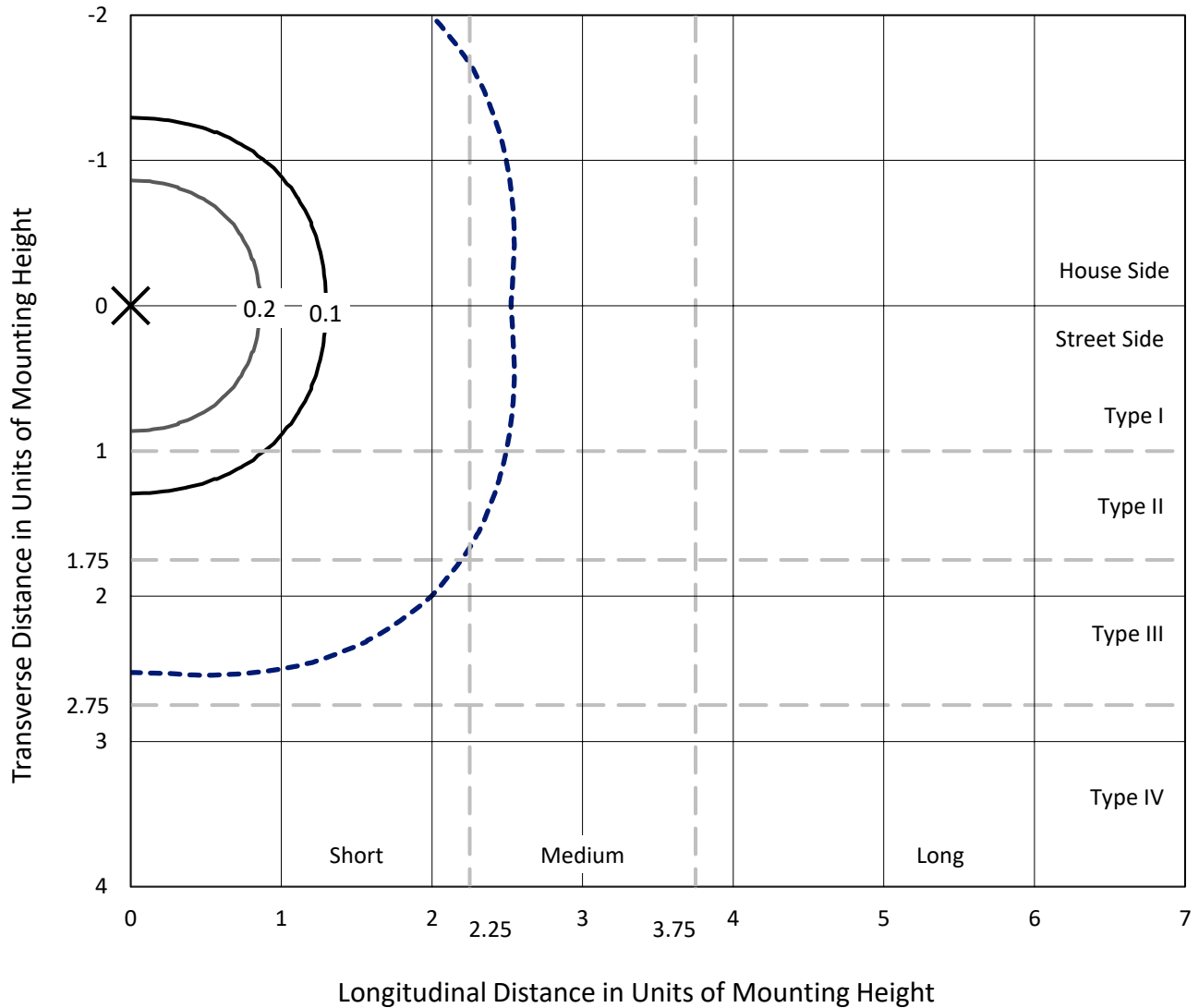
Lumens per Lamp: N/A  
Luminaire Lumens: 1222 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 10.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

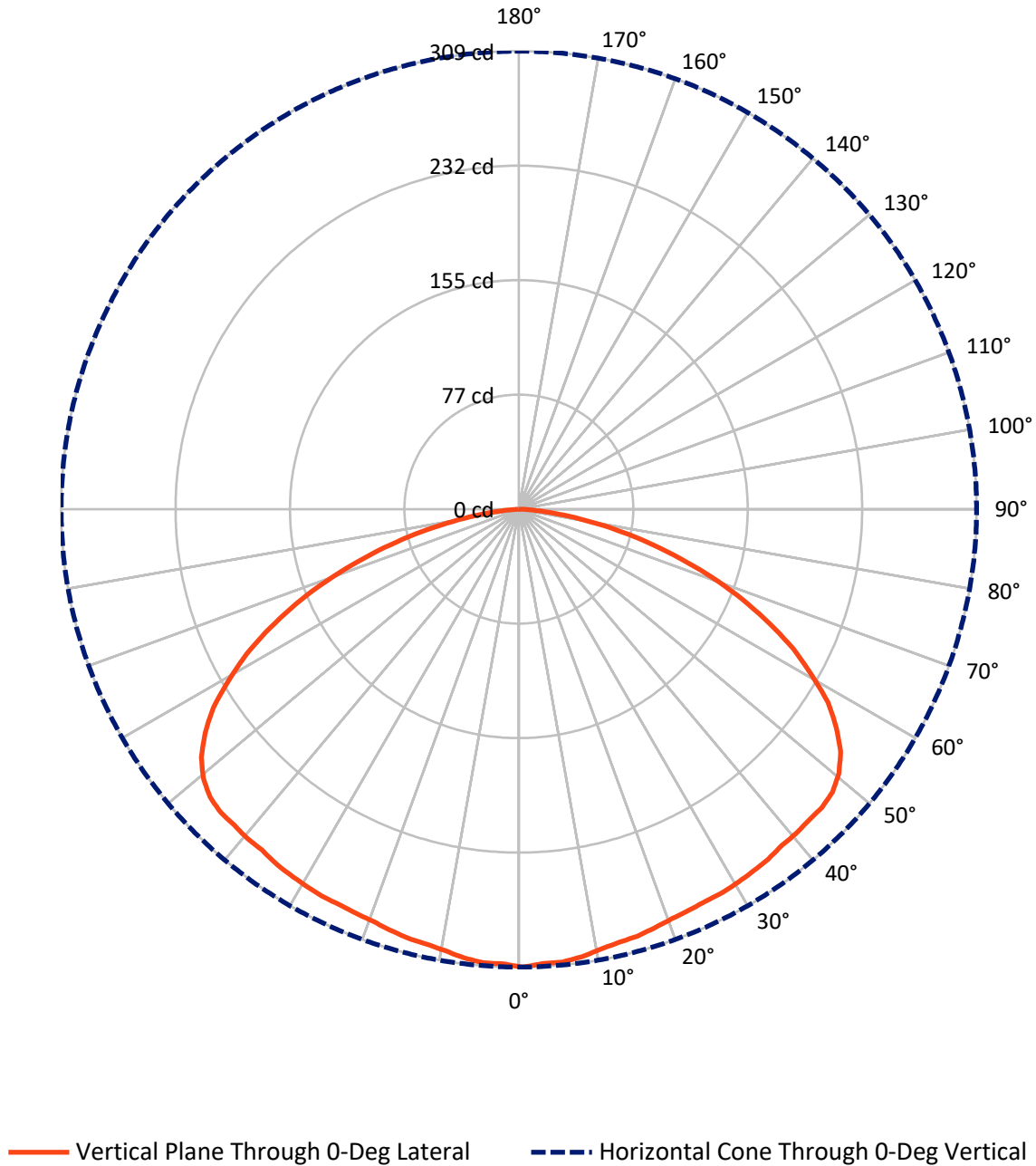
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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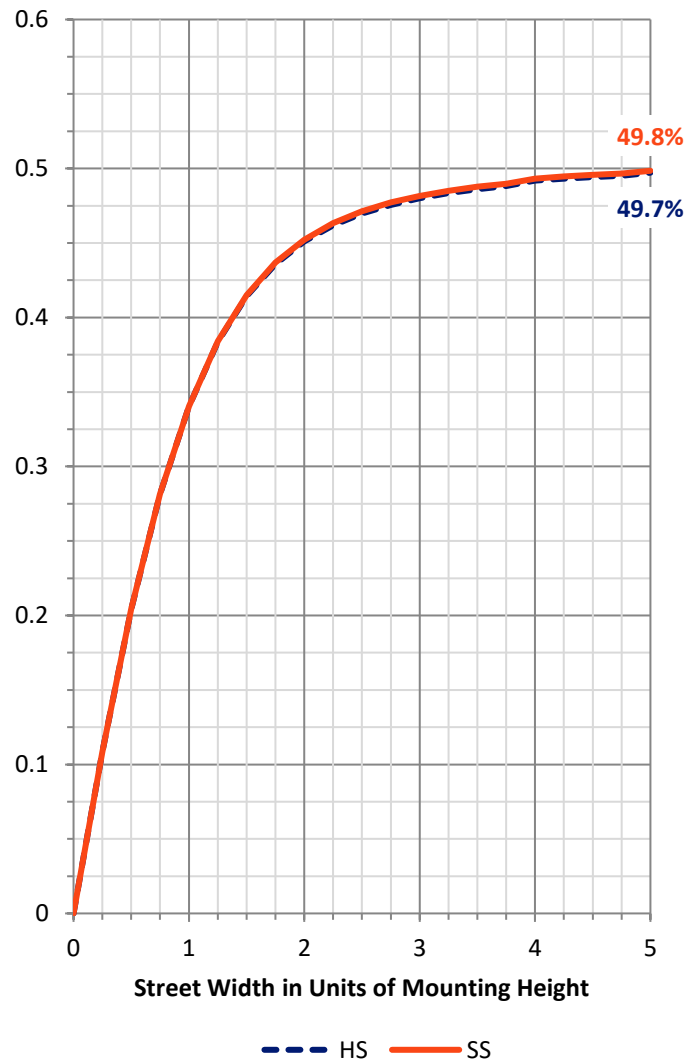
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	611.0	0.0	611.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	611.0	0.0	611.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1222.0	0.0	1222.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	2.4
10°-20°	84.6	6.9
20°-30°	136.2	11.1
30°-40°	183.2	15.0
40°-50°	226.1	18.5
50°-60°	242.5	19.8
60°-70°	196.7	16.1
70°-80°	104.2	8.5
80°-90°	19.3	1.6
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°	1222.0	100.0
0°-180°	1222.0	100.0



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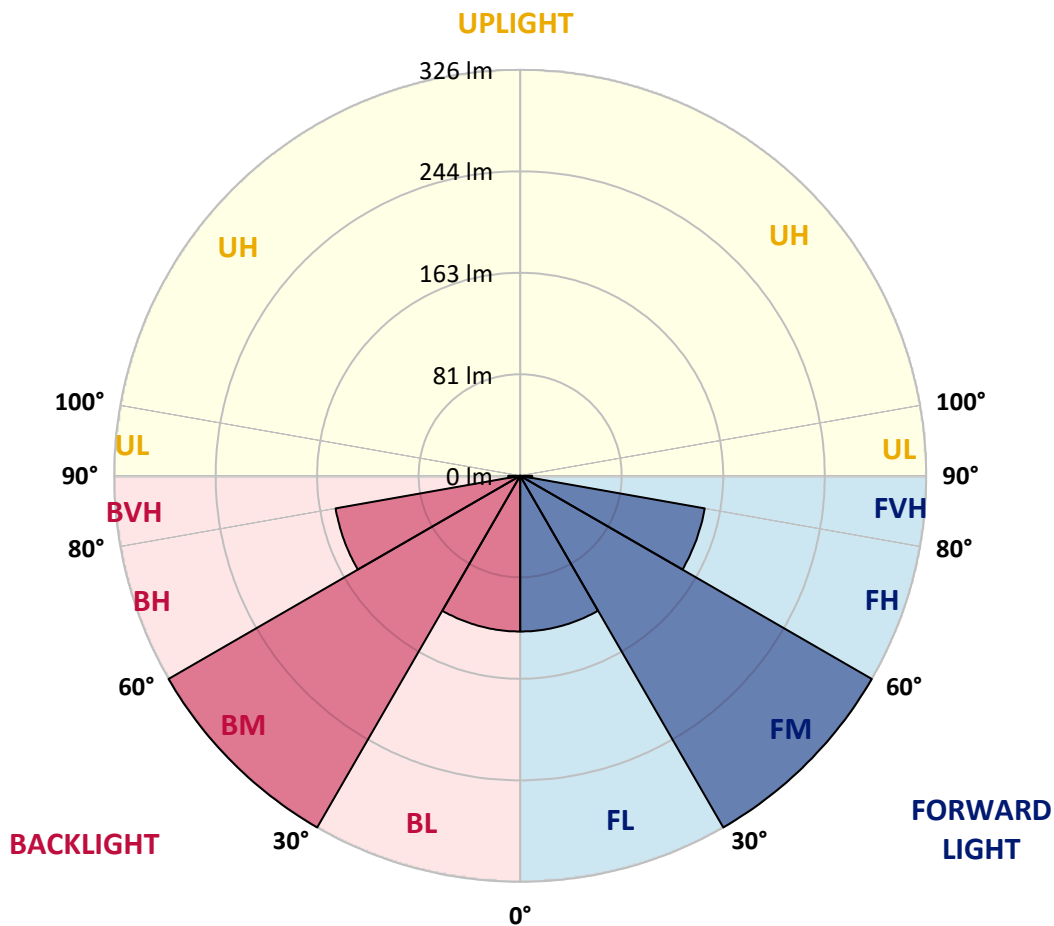
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.0	10.2			
FM (30°-60°)	325.9	26.7			
FH (60°-80°)	150.5	12.3			G0/660
FVH (80°-90°)	9.6	0.8			G0/10
BL (0°-30°)	125.0	10.2	B1/500		
BM (30°-60°)	325.9	26.7	B1/1000		
BH (60°-80°)	150.5	12.3	B1/500		G0/660
BVH (80°-90°)	9.6	0.8			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	309	309	309	309	309	309	309	309	309	309	309
2.5°	307	307	307	307	307	307	307	307	307	307	308
5°	307	307	307	307	306	307	307	307	307	307	307
7.5°	305	305	305	305	305	305	305	305	305	305	305
10°	302	302	302	302	302	302	302	302	302	302	302
12.5°	300	300	300	300	300	300	300	300	300	300	300
15°	299	299	299	299	299	299	299	299	299	298	298
17.5°	297	297	297	297	298	298	298	297	297	297	297
20°	295	295	295	296	296	296	296	296	295	295	295
22.5°	294	294	294	294	295	295	295	295	294	294	294
25°	293	293	294	294	295	295	295	294	294	293	293
27.5°	293	293	294	294	295	295	295	295	294	293	293
30°	292	293	293	294	295	295	295	294	293	292	292
32.5°	291	291	292	293	294	294	294	293	292	291	290
35°	290	290	290	292	293	293	293	292	290	289	289
37.5°	288	289	290	291	293	293	293	291	289	288	287
40°	288	288	290	291	294	294	293	291	289	287	286
42.5°	287	288	290	293	296	296	295	292	289	287	286
45°	287	287	290	294	298	299	297	294	290	286	286
47.5°	285	285	289	294	299	300	299	294	289	286	285
50°	280	280	285	291	297	299	297	293	286	282	281
52.5°	272	272	277	285	291	294	292	287	280	274	273
55°	260	261	266	275	282	285	283	277	269	263	261
57.5°	246	246	253	262	269	272	270	264	255	249	247
60°	227	228	234	246	253	256	254	247	237	230	228
62.5°	208	209	215	225	233	235	233	226	217	210	208
65°	186	187	194	203	209	212	209	203	195	188	187
67.5°	163	164	171	179	185	187	184	179	171	165	163
70°	139	140	146	153	158	160	158	152	146	140	139
72.5°	114	115	121	127	131	133	130	126	120	115	114
75°	90	90	95	100	104	105	103	100	95	91	89
77.5°	67	67	72	75	77	79	77	74	71	67	67
80°	45	45	49	51	53	54	53	51	49	46	45
82.5°	27	27	29	31	31	32	32	31	29	27	27
85°	12	11	13	14	14	15	15	14	13	12	12
87.5°	1	2	2	3	3	3	3	3	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)