

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: P823323

Luminaire Tested: **TTN-D1-735-U-MQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D1-735-U-MQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3341 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

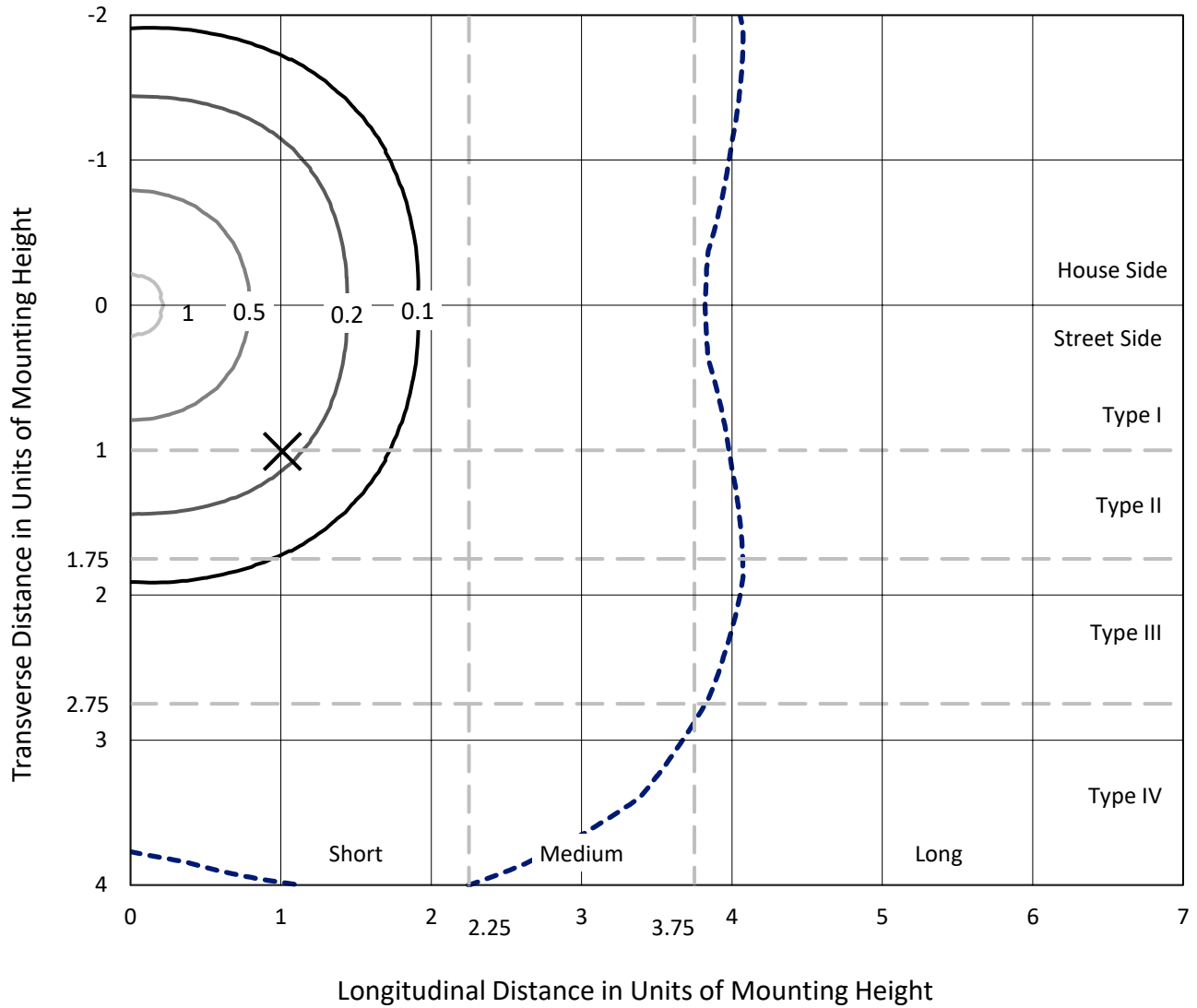
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

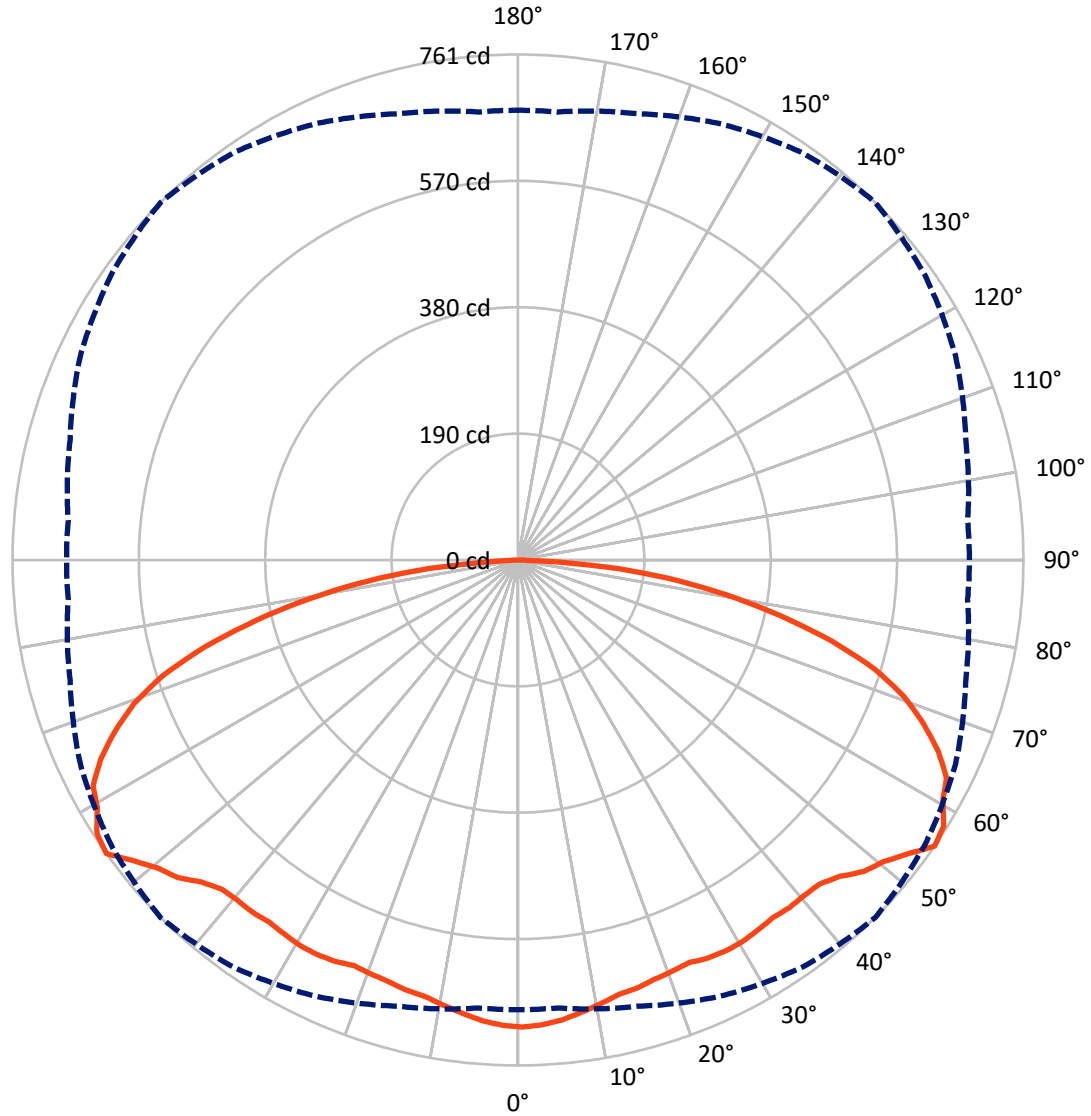
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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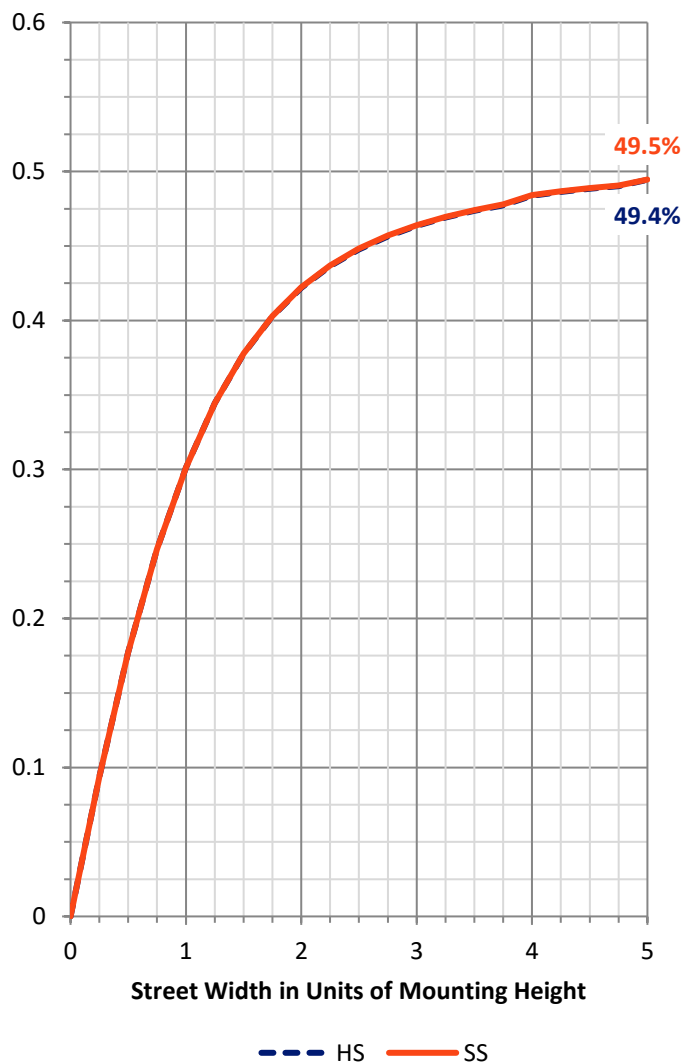
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1670.5	0.0	1670.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1670.5	0.0	1670.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3341.0	0.0	3341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	2.0
10°-20°	188.9	5.7
20°-30°	305.3	9.1
30°-40°	413.1	12.4
40°-50°	517.4	15.5
50°-60°	634.1	19.0
60°-70°	635.6	19.0
70°-80°	458.7	13.7
80°-90°	122.3	3.7
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°	3341.0	100.0
0°-180°	3341.0	100.0

Coefficient of Utilization



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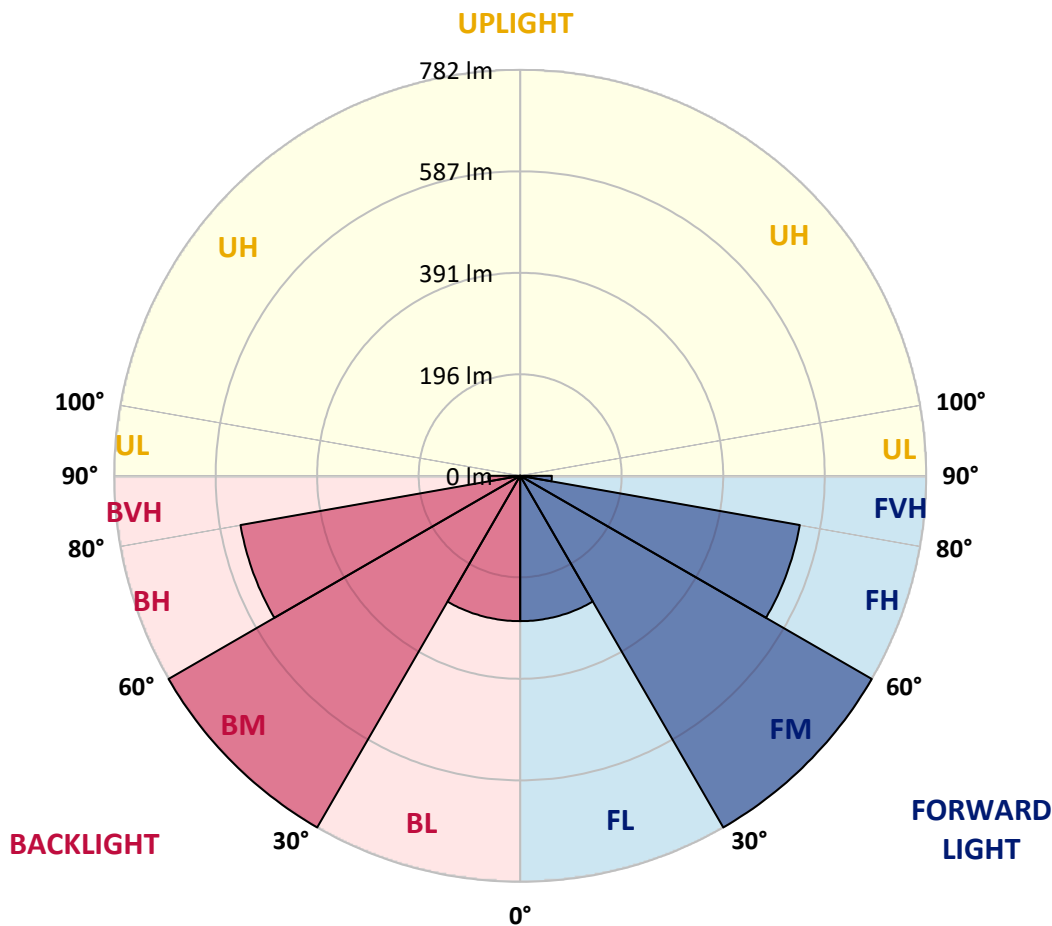
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.0	8.4			
FM (30°-60°)	782.3	23.4			
FH (60°-80°)	547.1	16.4			G0/660
FVH (80°-90°)	61.1	1.8			G1/100
BL (0°-30°)	280.0	8.4	B1/500		
BM (30°-60°)	782.3	23.4	B1/1000		
BH (60°-80°)	547.1	16.4	B2/1000		G0/660
BVH (80°-90°)	61.1	1.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9	702.9
2.5°	700.3	700.3	700.3	697.7	700.3	700.3	700.3	700.3	700.3	700.3	700.3
5°	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1	695.1
7.5°	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2
10°	676.7	676.7	676.7	676.7	679.3	679.3	679.3	679.3	676.7	676.7	676.7
12.5°	668.8	668.8	668.8	671.4	671.4	671.4	671.4	671.4	671.4	671.4	668.8
15°	666.2	666.2	666.2	666.2	668.8	668.8	668.8	668.8	666.2	666.2	666.2
17.5°	661.0	661.0	661.0	663.6	663.6	663.6	663.6	663.6	661.0	661.0	661.0
20°	655.7	655.7	658.3	658.3	661.0	661.0	661.0	658.3	658.3	655.7	658.3
22.5°	655.7	655.7	655.7	658.3	658.3	658.3	658.3	655.7	655.7	655.7	655.7
25°	655.7	655.7	658.3	661.0	661.0	663.6	661.0	658.3	655.7	655.7	655.7
27.5°	658.3	658.3	661.0	663.6	663.6	666.2	663.6	661.0	658.3	658.3	658.3
30°	658.3	658.3	661.0	663.6	663.6	666.2	663.6	661.0	658.3	658.3	658.3
32.5°	653.1	655.7	658.3	661.0	663.6	663.6	663.6	661.0	658.3	655.7	655.7
35°	650.5	653.1	655.7	658.3	661.0	661.0	661.0	658.3	655.7	653.1	653.1
37.5°	647.8	647.8	653.1	655.7	658.3	663.6	661.0	655.7	653.1	650.5	650.5
40°	645.2	647.8	650.5	655.7	658.3	663.6	661.0	655.7	650.5	647.8	647.8
42.5°	645.2	645.2	650.5	655.7	661.0	666.2	663.6	658.3	650.5	647.8	645.2
45°	647.8	650.5	658.3	668.8	674.1	679.3	676.7	668.8	655.7	650.5	647.8
47.5°	658.3	661.0	668.8	679.3	692.4	700.3	692.4	679.3	668.8	661.0	658.3
50°	663.6	666.2	679.3	692.4	710.8	713.4	710.8	692.4	679.3	666.2	666.2
52.5°	674.1	674.1	689.8	713.4	729.1	734.4	729.1	716.0	689.8	676.7	674.1
55°	676.7	676.7	695.1	723.9	747.5	760.6	747.5	726.5	697.7	679.3	679.3
57.5°	661.0	666.2	689.8	718.7	747.5	755.4	747.5	721.3	692.4	668.8	666.2
60°	642.6	650.5	671.4	705.5	726.5	734.4	729.1	705.5	674.1	650.5	647.8
62.5°	624.2	634.7	658.3	684.6	716.0	723.9	716.0	684.6	658.3	634.7	624.2
65°	584.9	595.4	629.5	661.0	689.8	695.1	692.4	661.0	629.5	595.4	590.1
67.5°	545.6	553.4	577.0	626.9	650.5	658.3	653.1	624.2	579.6	553.4	550.8
70°	503.6	511.5	532.4	579.6	603.3	616.4	605.9	579.6	532.4	511.5	508.8
72.5°	448.5	459.0	482.6	524.6	548.2	561.3	550.8	524.6	482.6	456.4	451.1
75°	382.9	390.8	419.7	453.8	477.4	487.8	480.0	456.4	419.7	390.8	388.2
77.5°	312.1	320.0	346.2	380.3	393.4	403.9	396.0	377.7	346.2	320.0	317.4
80°	236.1	243.9	267.5	293.8	306.9	317.4	309.5	291.1	267.5	243.9	241.3
82.5°	154.7	162.6	183.6	204.6	217.7	228.2	220.3	202.0	186.2	162.6	160.0
85°	65.6	73.4	91.8	112.8	123.3	133.8	125.9	110.2	91.8	76.1	73.4
87.5°	5.2	7.9	7.9	10.5	7.9	13.1	7.9	7.9	7.9	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)