

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: P832564

Luminaire Tested: **TTN-D1-735-U-WQ-CG**

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832564
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-D1-735-U-WQ-CG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH CLEAR GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3026 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

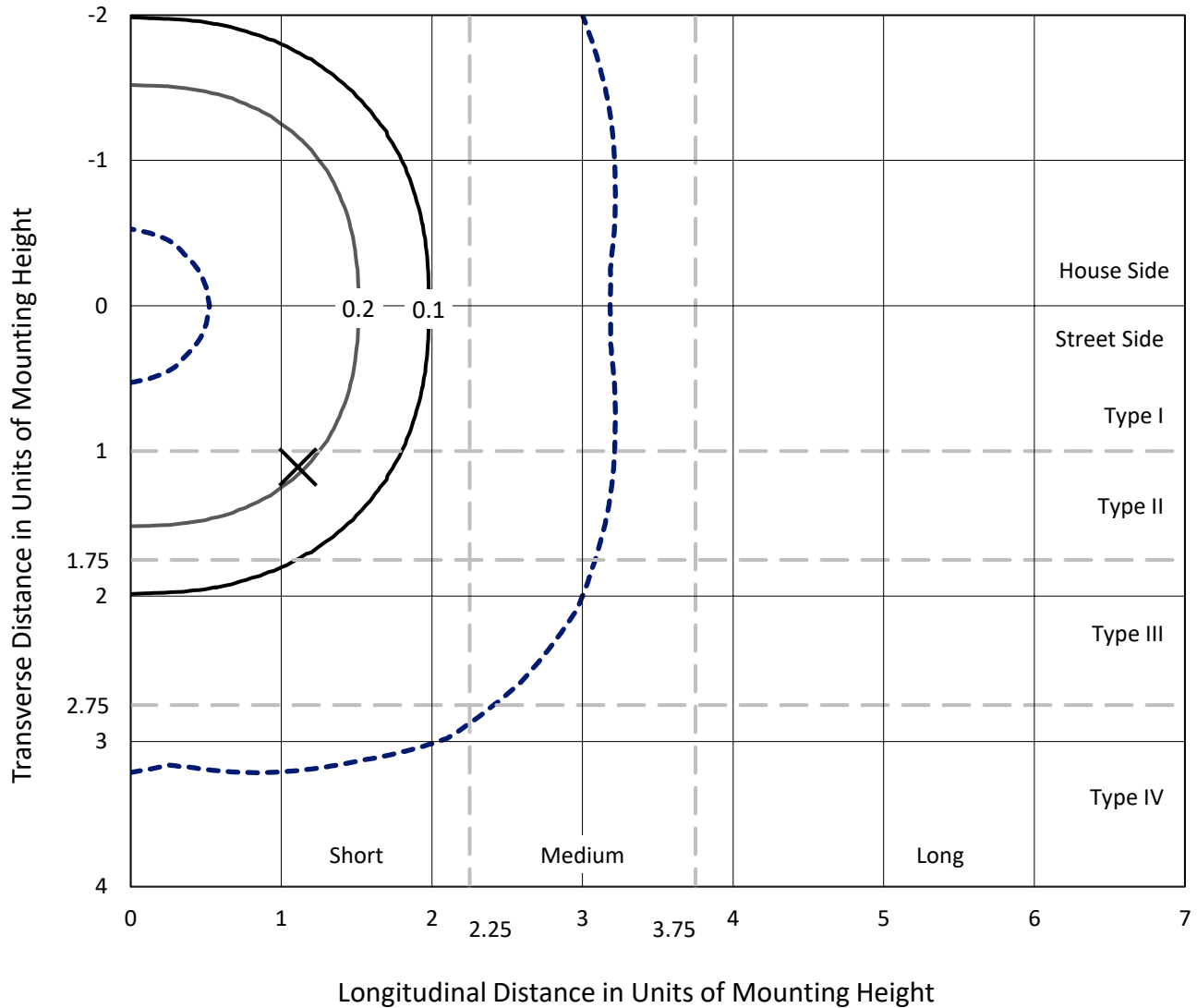
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

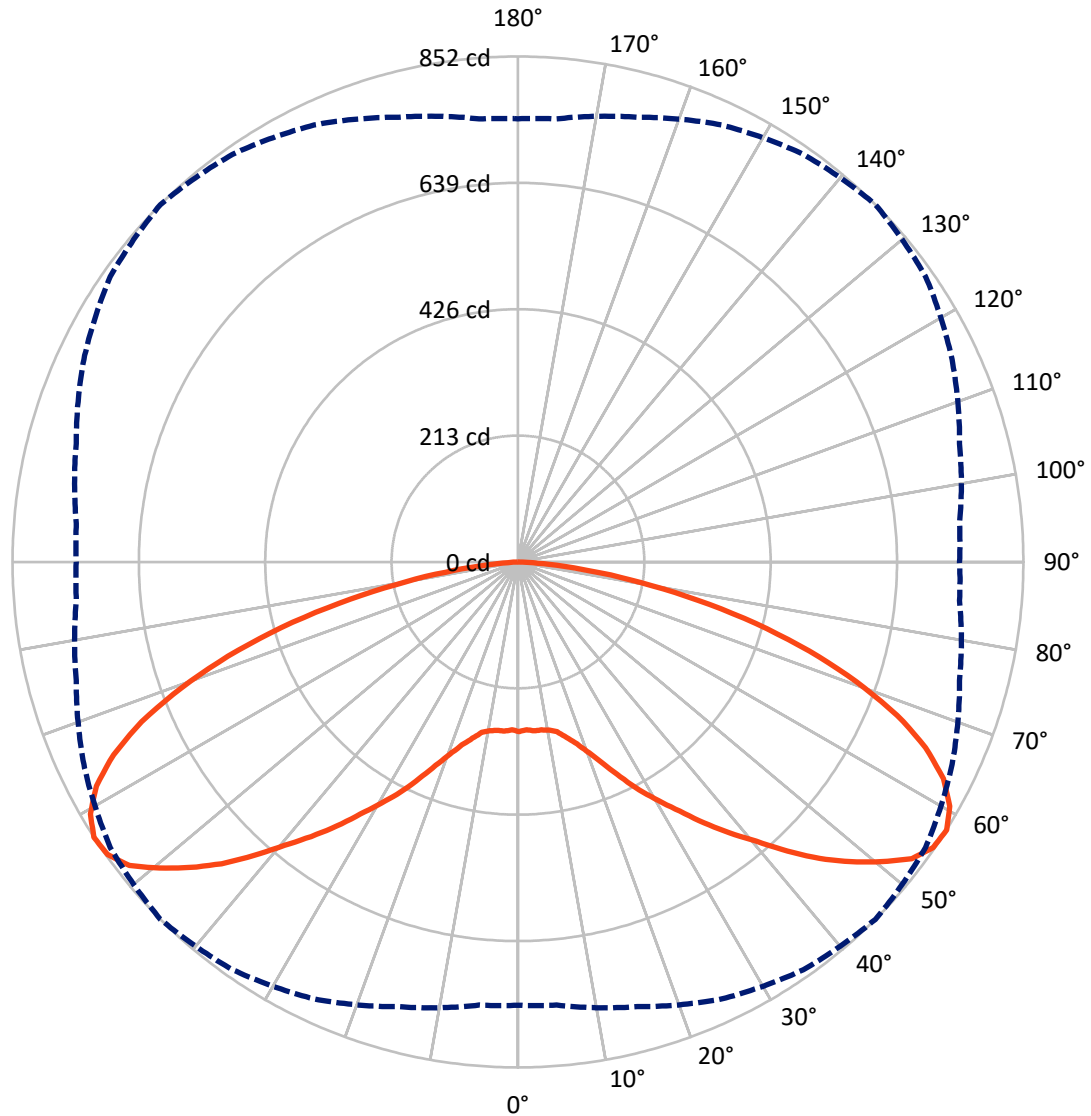
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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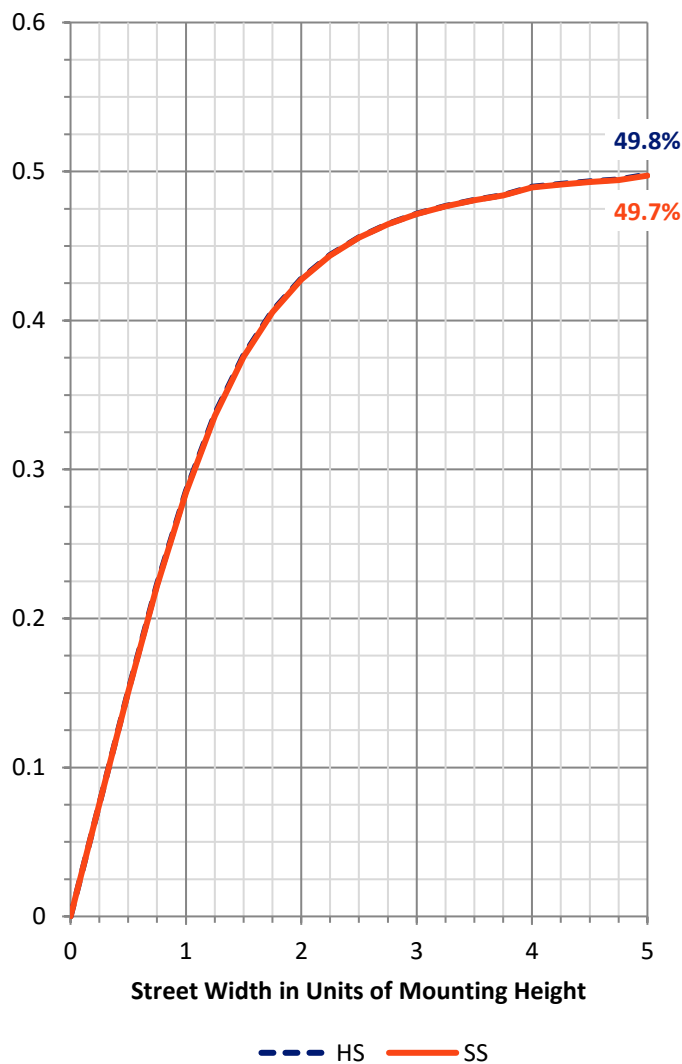
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.0	0.0	1513.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1513.0	0.0	1513.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3026.0	0.0	3026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	0.9
10°-20°	88.1	2.9
20°-30°	185.4	6.1
30°-40°	334.3	11.0
40°-50°	531.4	17.6
50°-60°	709.0	23.4
60°-70°	685.0	22.6
70°-80°	397.0	13.1
80°-90°	68.4	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°	3026.0	100.0
0°-180°	3026.0	100.0

Coefficient of Utilization



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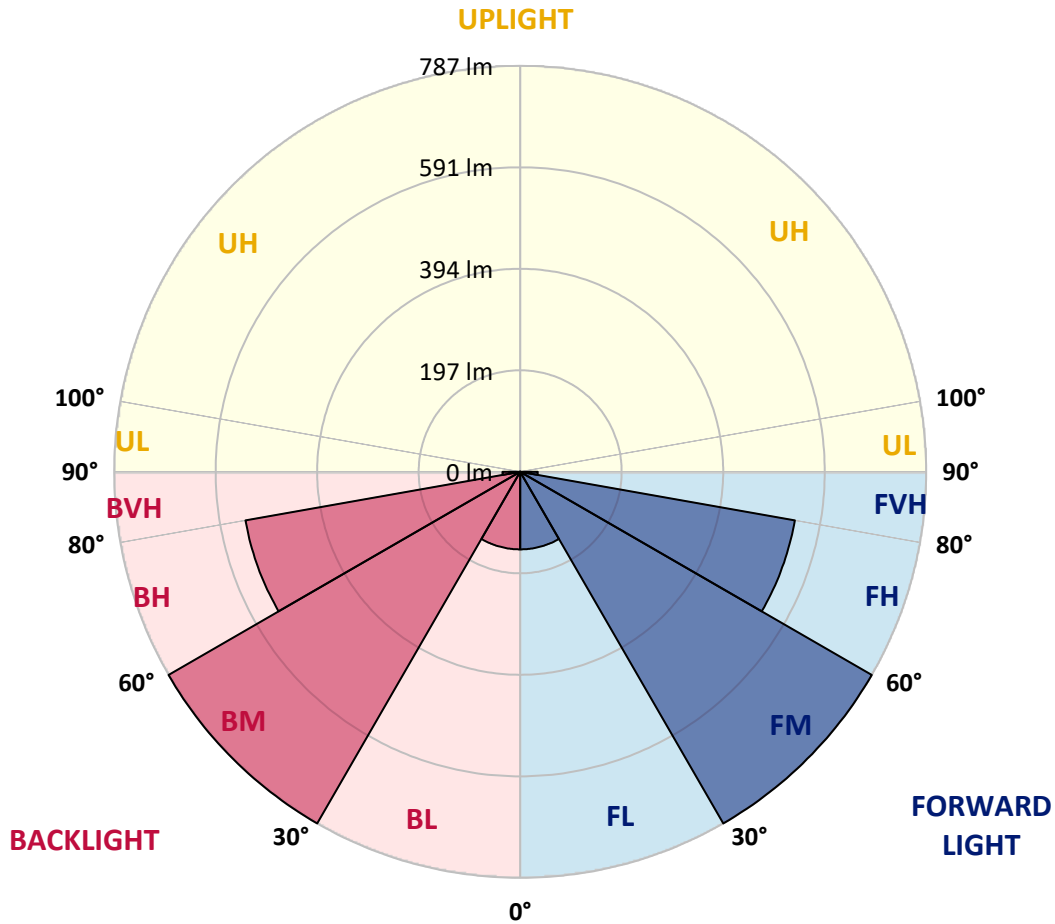
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.4	5.0			
FM (30°-60°)	787.4	26.0			
FH (60°-80°)	541.0	17.9			G0/660
FVH (80°-90°)	34.2	1.1			G1/100
BL (0°-30°)	150.4	5.0	B1/500		
BM (30°-60°)	787.4	26.0	B1/1000		
BH (60°-80°)	541.0	17.9	B2/1000		G0/660
BVH (80°-90°)	34.2	1.1			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°	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9
2.5°	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2	283.2
5°	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9	285.9
7.5°	283.2	283.2	285.9	285.9	285.9	285.9	285.9	285.9	285.9	283.2	283.2
10°	285.9	285.9	285.9	288.5	288.5	288.5	288.5	288.5	285.9	285.9	285.9
12.5°	291.1	291.1	293.7	293.7	293.7	293.7	293.7	293.7	293.7	291.1	291.1
15°	304.2	304.2	304.2	306.8	306.8	306.8	306.8	306.8	304.2	304.2	304.2
17.5°	317.3	317.3	320.0	320.0	322.6	322.6	322.6	320.0	320.0	320.0	320.0
20°	335.7	335.7	338.3	338.3	340.9	343.6	343.6	340.9	338.3	338.3	338.3
22.5°	359.3	361.9	361.9	361.9	364.5	369.8	367.2	364.5	361.9	361.9	361.9
25°	388.1	390.8	393.4	393.4	396.0	401.3	401.3	393.4	393.4	393.4	393.4
27.5°	422.2	424.9	427.5	427.5	430.1	435.3	432.7	427.5	427.5	424.9	424.9
30°	453.7	456.3	458.9	461.6	464.2	466.8	466.8	461.6	458.9	456.3	453.7
32.5°	485.2	485.2	490.4	495.7	500.9	500.9	503.5	495.7	490.4	485.2	482.5
35°	516.6	519.3	521.9	529.8	537.6	540.2	537.6	529.8	521.9	516.6	516.6
37.5°	550.7	553.4	556.0	566.5	574.3	579.6	574.3	566.5	556.0	550.7	548.1
40°	587.5	590.1	592.7	605.8	613.7	618.9	611.1	603.2	592.7	587.5	584.8
42.5°	621.5	626.8	632.0	647.8	660.9	666.1	658.3	645.1	634.7	621.5	618.9
45°	663.5	668.8	676.6	692.4	705.5	713.3	702.8	689.7	674.0	663.5	660.9
47.5°	697.6	702.8	710.7	731.7	750.0	755.3	744.8	729.1	708.1	695.0	692.4
50°	723.8	729.1	744.8	768.4	789.4	794.6	784.1	763.2	739.6	721.2	718.6
52.5°	744.8	750.0	768.4	799.9	823.5	831.3	818.2	794.6	763.2	742.2	739.6
55°	755.3	757.9	781.5	815.6	839.2	849.7	836.6	810.4	776.3	752.7	750.0
57.5°	747.4	750.0	776.3	813.0	839.2	852.3	839.2	807.7	771.0	747.4	744.8
60°	731.7	731.7	755.3	797.3	828.7	836.6	823.5	792.0	752.7	729.1	726.4
62.5°	702.8	700.2	729.1	765.8	797.3	805.1	794.6	763.2	723.8	700.2	697.6
65°	647.8	642.5	684.5	718.6	747.4	755.3	747.4	718.6	681.9	645.1	639.9
67.5°	582.2	574.3	613.7	653.0	679.2	689.7	679.2	655.6	613.7	577.0	574.3
70°	514.0	506.2	537.6	571.7	600.6	605.8	595.3	571.7	532.4	508.8	508.8
72.5°	432.7	424.9	453.7	479.9	508.8	514.0	503.5	482.5	453.7	430.1	427.5
75°	343.6	335.7	361.9	382.9	411.7	414.4	409.1	385.5	361.9	338.3	338.3
77.5°	254.4	246.5	267.5	285.9	309.5	309.5	306.8	288.5	267.5	251.8	251.8
80°	167.8	162.6	181.0	188.8	209.8	209.8	207.2	194.1	178.3	167.8	165.2
82.5°	94.4	89.2	104.9	107.5	123.3	123.3	120.6	110.1	99.7	91.8	91.8
85°	36.7	31.5	42.0	44.6	52.5	52.5	49.8	47.2	39.3	34.1	34.1
87.5°	2.6	2.6	5.2	5.2	7.9	7.9	7.9	5.2	5.2	2.6	2.6
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)