

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: P832565

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

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-16)  
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-SG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH SOLITE GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

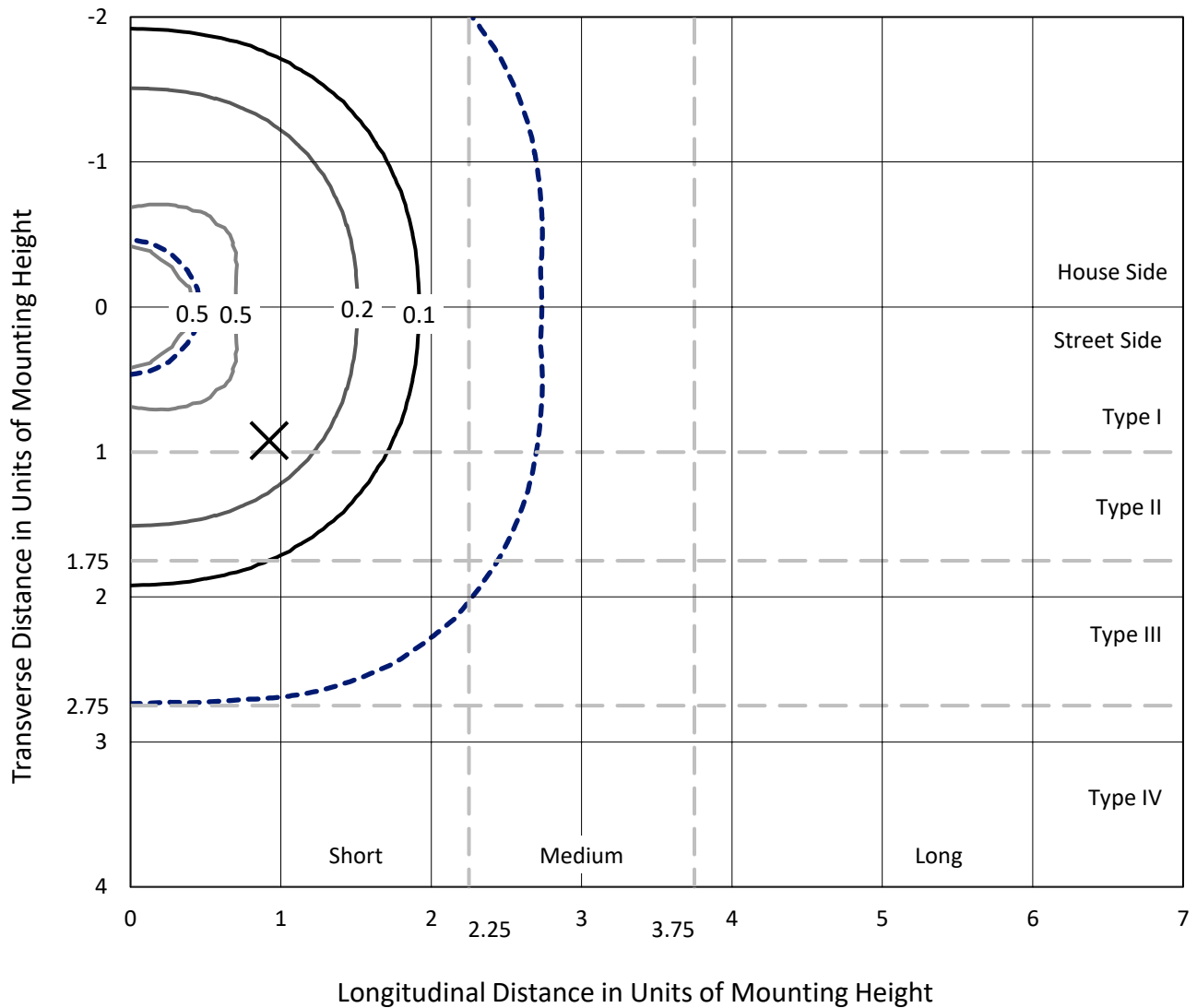
Lumens per Lamp: N/A  
Luminaire Lumens: 2966 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 26.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

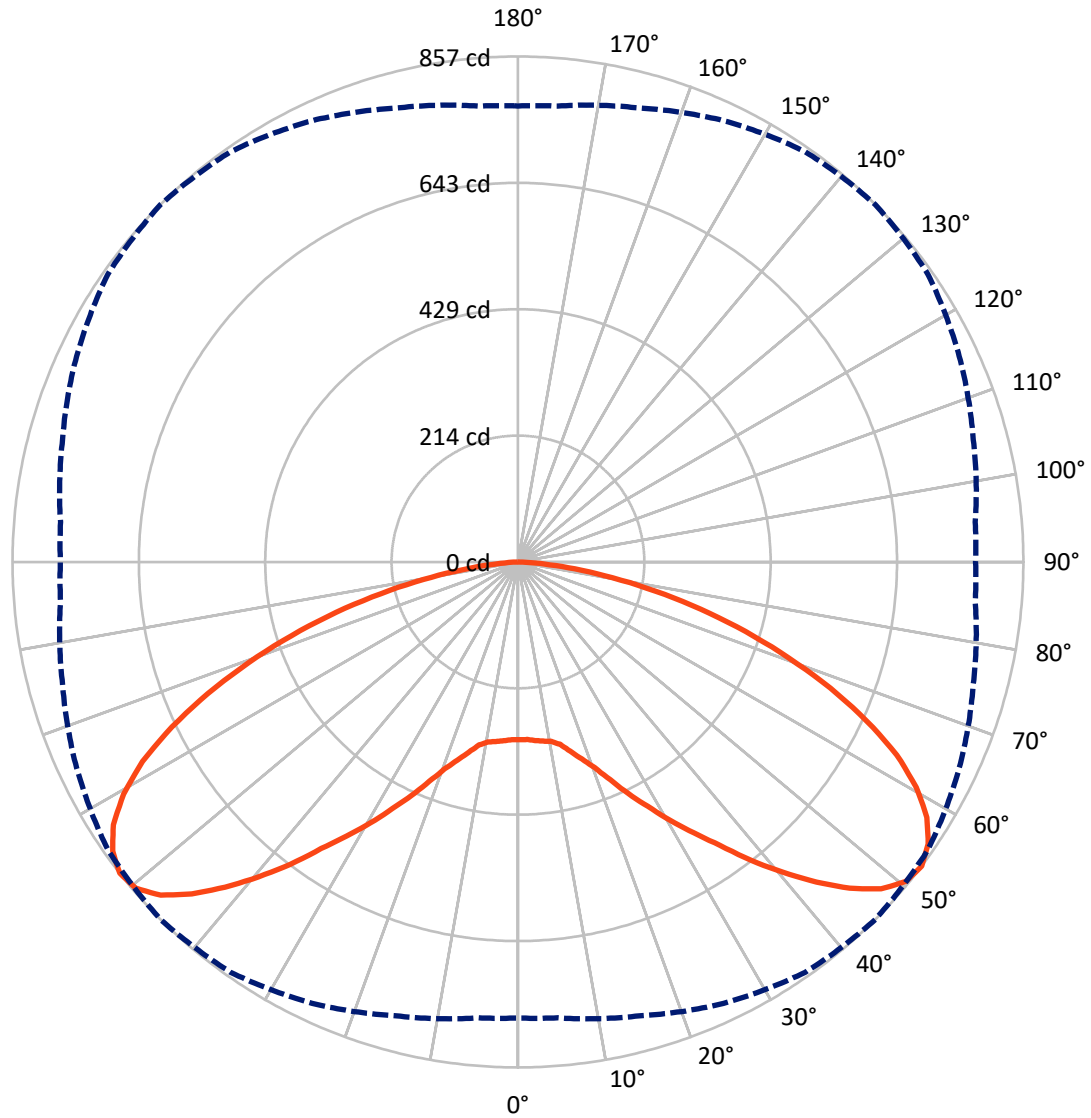
✕ Max cd  
 - - - 1/2 Max cd



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 52.5-Deg Vertical

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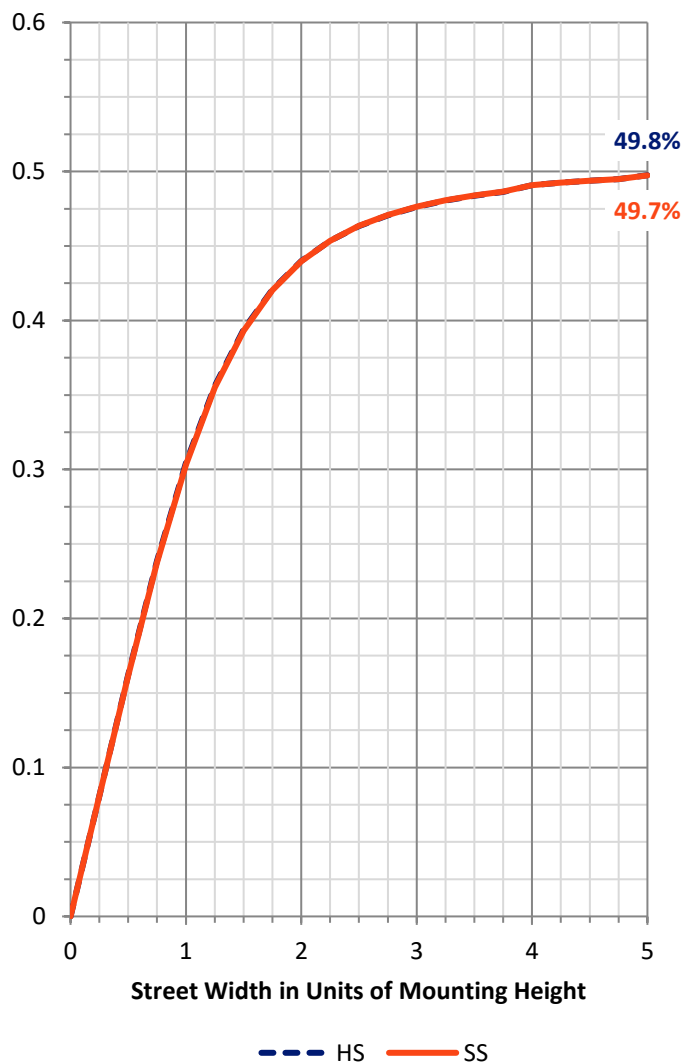
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1483.0	0.0	1483.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1483.0	0.0	1483.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2966.0	0.0	2966.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.1	1.0
10°-20°	95.7	3.2
20°-30°	202.0	6.8
30°-40°	369.0	12.4
40°-50°	587.4	19.8
50°-60°	710.3	23.9
60°-70°	597.3	20.1
70°-80°	316.6	10.7
80°-90°	58.6	2.0
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°	2966.0	100.0
0°-180°	2966.0	100.0

**Coefficient of Utilization**



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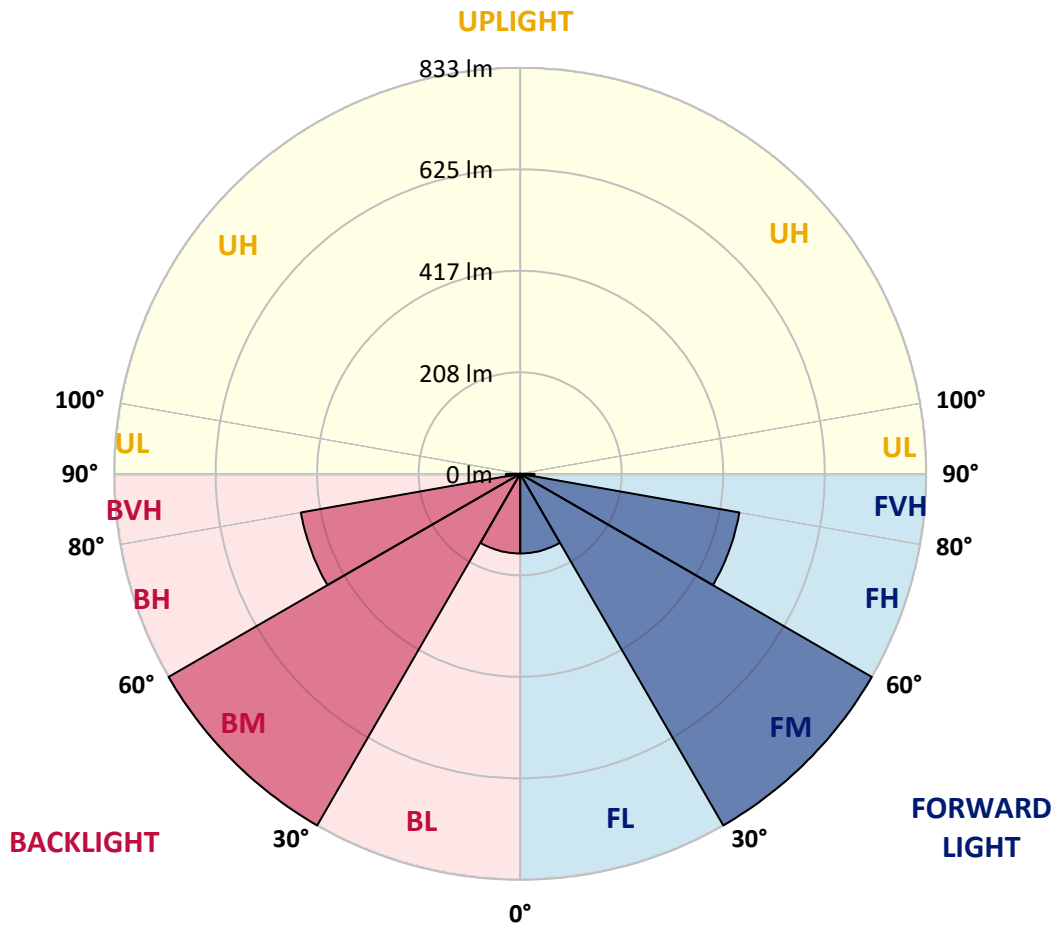
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.4	5.5			
FM (30°-60°)	833.4	28.1			
FH (60°-80°)	456.9	15.4			G0/660
FVH (80°-90°)	29.3	1.0			G1/100
BL (0°-30°)	163.4	5.5	B1/500		
BM (30°-60°)	833.4	28.1	B1/1000		
BH (60°-80°)	456.9	15.4	B1/500		G0/660
BVH (80°-90°)	29.3	1.0			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°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5
2.5°	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5	301.5
5°	304.2	304.2	301.5	304.2	304.2	304.2	304.2	304.2	304.2	304.2	304.2
7.5°	304.2	304.2	304.2	306.8	306.8	306.8	306.8	304.2	304.2	304.2	304.2
10°	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4	309.4
12.5°	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3	317.3
15°	330.4	330.4	330.4	330.4	333.0	333.0	333.0	330.4	330.4	330.4	330.4
17.5°	346.1	346.1	348.7	348.7	351.4	351.4	351.4	348.7	346.1	348.7	346.1
20°	369.7	369.7	369.7	372.3	375.0	375.0	375.0	369.7	369.7	369.7	369.7
22.5°	395.9	395.9	395.9	398.6	401.2	401.2	401.2	395.9	395.9	395.9	395.9
25°	427.4	427.4	427.4	430.0	432.7	435.3	435.3	430.0	427.4	427.4	424.8
27.5°	458.9	458.9	464.1	466.7	469.4	469.4	469.4	464.1	461.5	461.5	461.5
30°	495.6	495.6	500.8	503.4	508.7	508.7	508.7	500.8	498.2	495.6	495.6
32.5°	529.7	532.3	537.5	542.8	548.0	548.0	550.6	540.2	534.9	532.3	532.3
35°	566.4	569.0	574.2	582.1	587.4	590.0	592.6	582.1	574.2	571.6	571.6
37.5°	608.3	611.0	618.8	626.7	637.2	642.4	645.0	629.3	616.2	611.0	611.0
40°	655.5	658.2	666.0	676.5	687.0	692.2	694.9	679.1	666.0	660.8	658.2
42.5°	694.9	700.1	708.0	723.7	734.2	742.1	742.1	723.7	708.0	700.1	700.1
45°	731.6	736.8	749.9	765.7	781.4	789.3	786.6	768.3	749.9	739.4	736.8
47.5°	760.4	765.7	781.4	799.8	820.7	828.6	826.0	805.0	781.4	768.3	765.7
50°	776.2	778.8	797.1	823.4	844.3	852.2	846.9	826.0	799.8	781.4	778.8
52.5°	773.5	776.2	797.1	826.0	849.6	857.4	849.6	826.0	799.8	778.8	776.2
55°	757.8	760.4	781.4	812.9	836.5	844.3	836.5	812.9	784.0	763.0	760.4
57.5°	729.0	731.6	752.6	784.0	810.2	818.1	807.6	781.4	752.6	731.6	731.6
60°	687.0	689.6	710.6	744.7	768.3	776.2	763.0	742.1	713.2	689.6	687.0
62.5°	631.9	631.9	655.5	689.6	710.6	721.1	708.0	684.4	658.2	631.9	634.6
65°	566.4	563.8	587.4	618.8	642.4	650.3	637.2	616.2	590.0	566.4	566.4
67.5°	498.2	498.2	516.6	542.8	563.8	571.6	558.5	540.2	519.2	498.2	498.2
70°	424.8	424.8	437.9	464.1	482.5	487.7	479.9	461.5	443.1	424.8	424.8
72.5°	351.4	348.7	361.9	382.8	398.6	403.8	395.9	385.5	364.5	351.4	351.4
75°	277.9	275.3	283.2	301.5	314.7	319.9	312.0	304.2	288.4	277.9	277.9
77.5°	207.1	204.5	212.4	228.1	236.0	238.6	233.4	228.1	215.0	207.1	207.1
80°	141.6	139.0	144.2	154.7	162.6	162.6	160.0	157.3	146.8	141.6	144.2
82.5°	83.9	81.3	86.5	94.4	99.6	97.0	97.0	94.4	86.5	83.9	83.9
85°	36.7	34.1	36.7	42.0	47.2	44.6	44.6	44.6	39.3	36.7	36.7
87.5°	5.2	5.2	5.2	7.9	10.5	7.9	7.9	7.9	5.2	5.2	5.2
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)