

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: P823263

Luminaire Tested: **TTN-D0-735-U-MQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823263
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-D0-735-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: 1208 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

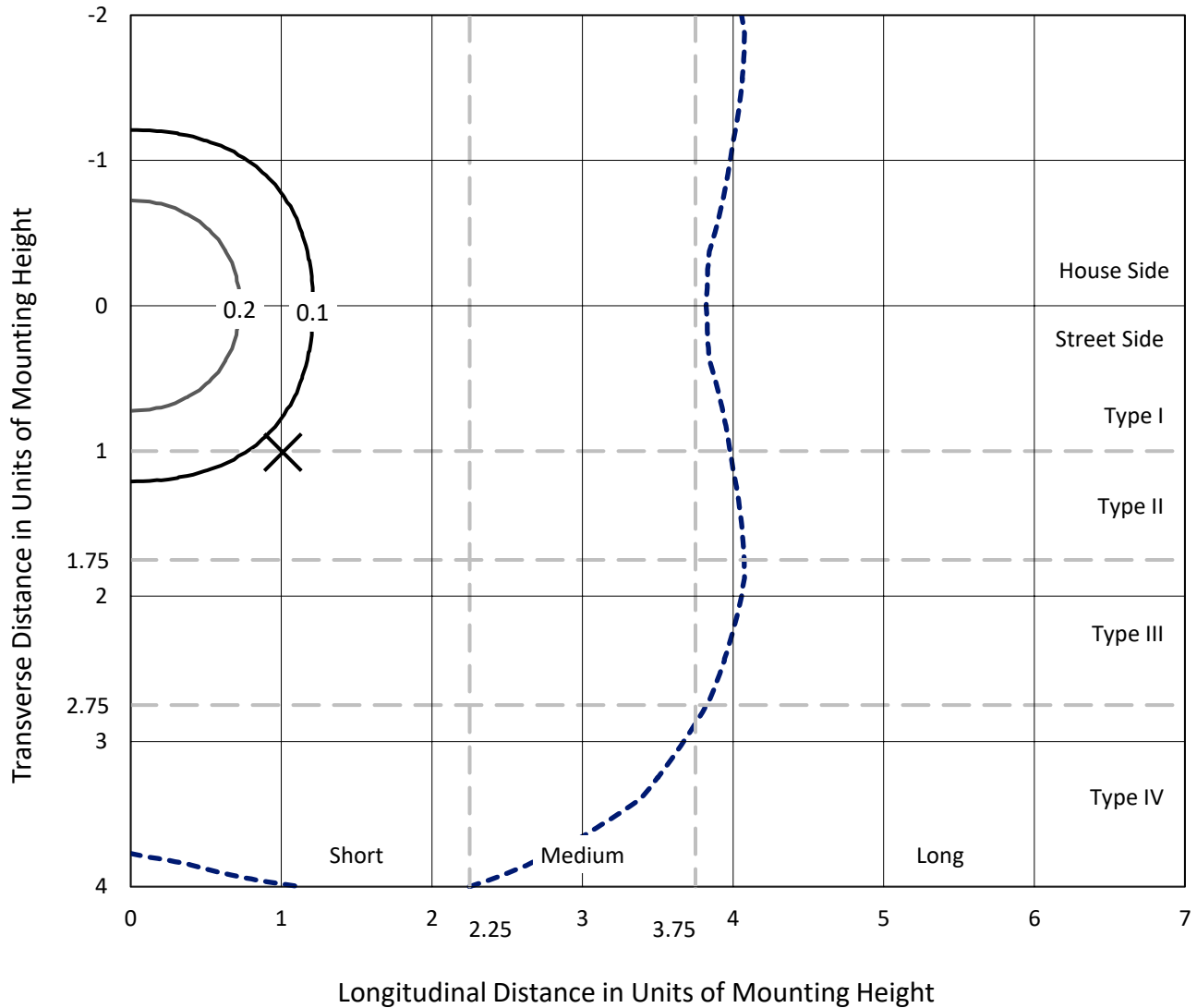
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

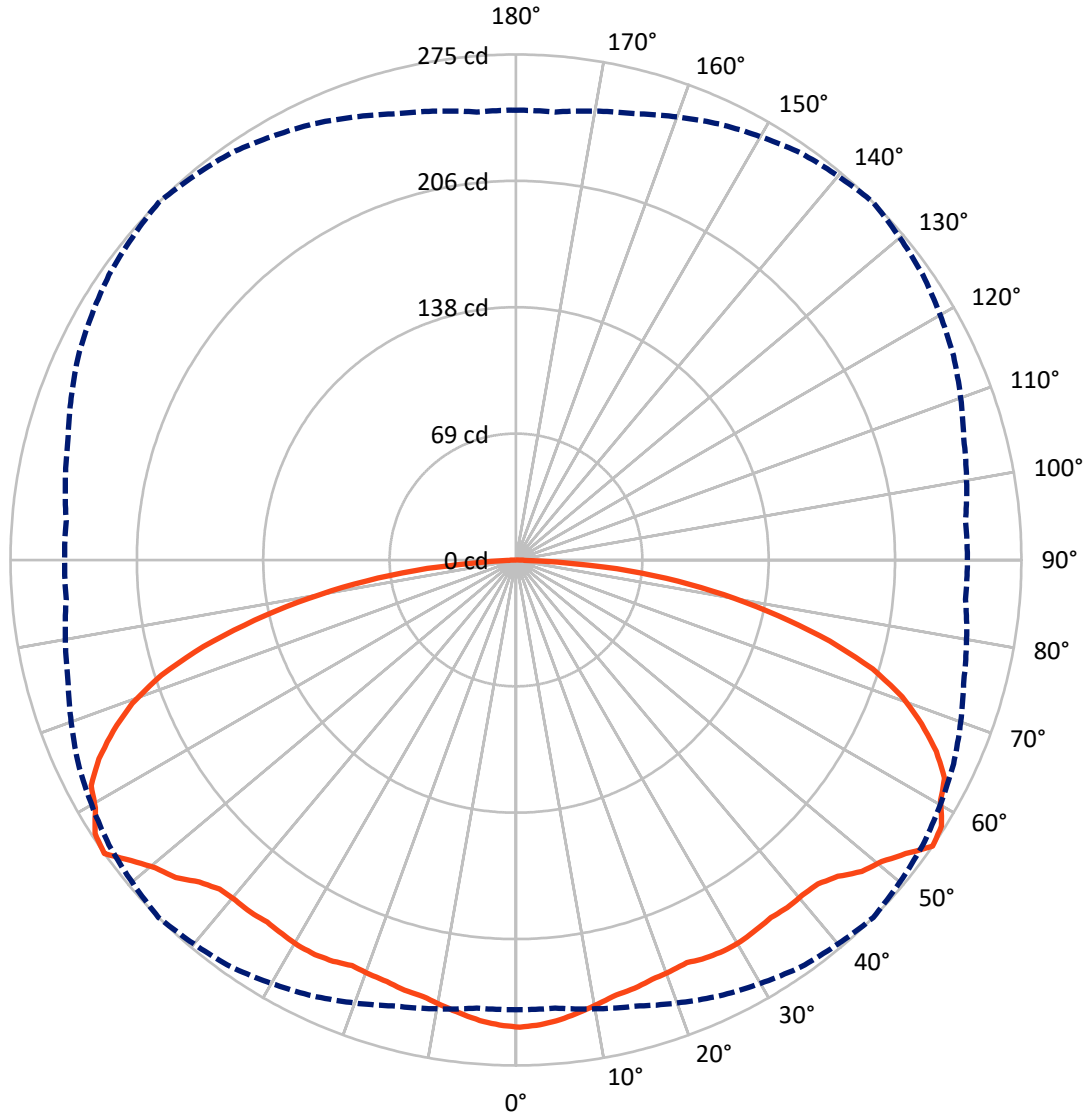
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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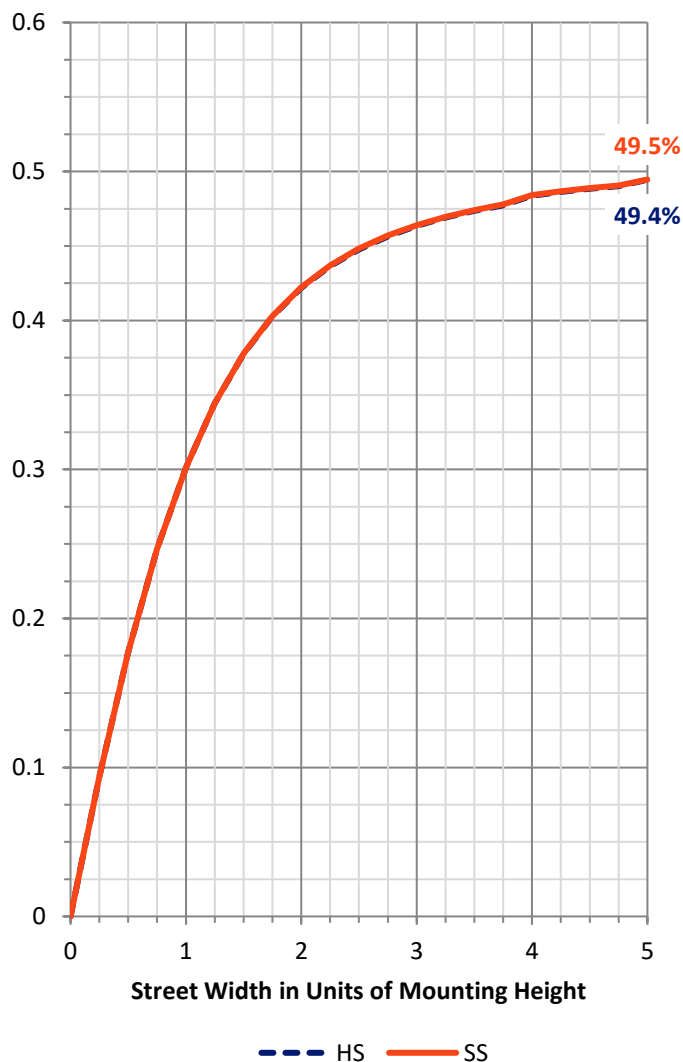
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	604.0	0.0	604.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	604.0	0.0	604.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1208.0	0.0	1208.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	2.0
10°-20°	68.3	5.7
20°-30°	110.4	9.1
30°-40°	149.3	12.4
40°-50°	187.1	15.5
50°-60°	229.3	19.0
60°-70°	229.8	19.0
70°-80°	165.8	13.7
80°-90°	44.2	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°	1208.0	100.0
0°-180°	1208.0	100.0

Coefficient of Utilization



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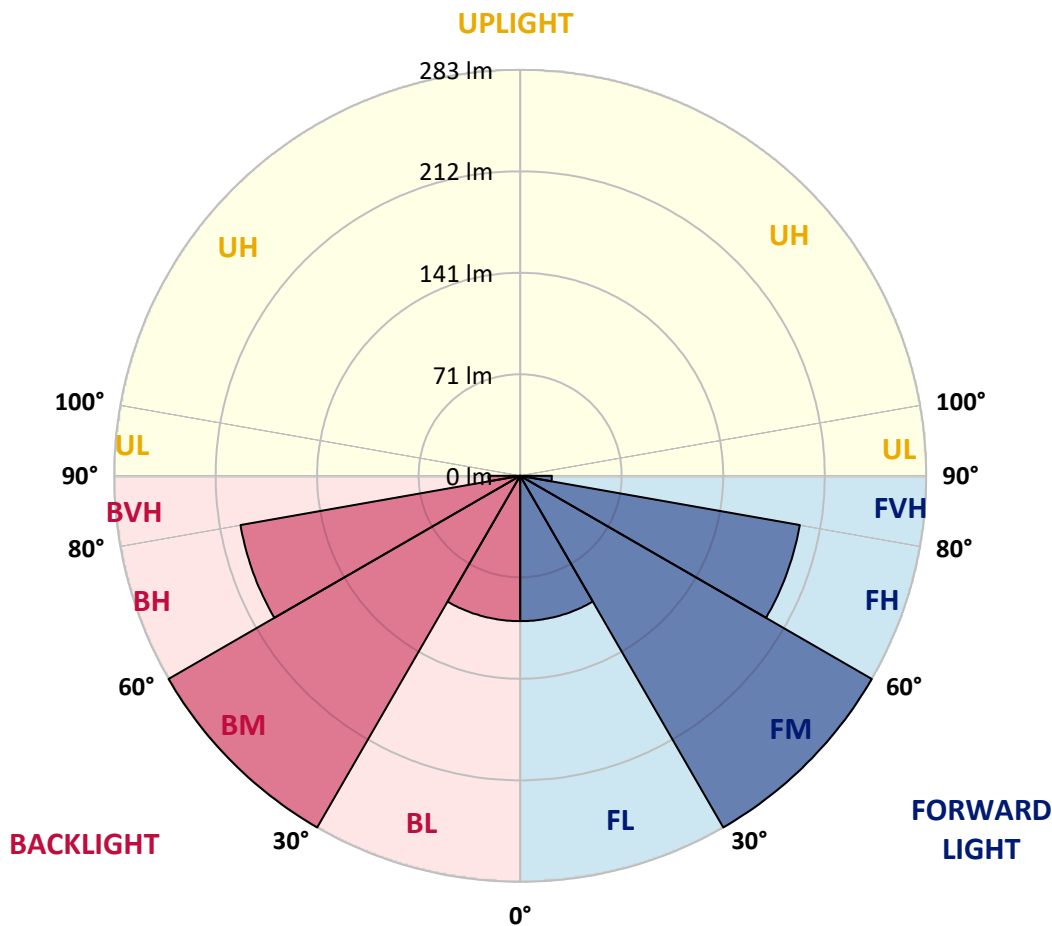
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.2	8.4			
FM (30°-60°)	282.8	23.4			
FH (60°-80°)	197.8	16.4			G0/660
FVH (80°-90°)	22.1	1.8			G1/100
BL (0°-30°)	101.2	8.4	B0/110		
BM (30°-60°)	282.8	23.4	B1/1000		
BH (60°-80°)	197.8	16.4	B1/500		G0/660
BVH (80°-90°)	22.1	1.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
2.5°	253.2	253.2	253.2	252.3	253.2	253.2	253.2	253.2	253.2	253.2	253.2
5°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3
7.5°	248.5	248.5	248.5	248.5	248.5	248.5	248.5	248.5	248.5	248.5	248.5
10°	244.7	244.7	244.7	244.7	245.6	245.6	245.6	245.6	244.7	244.7	244.7
12.5°	241.8	241.8	241.8	242.8	242.8	242.8	242.8	242.8	242.8	242.8	241.8
15°	240.9	240.9	240.9	240.9	241.8	241.8	241.8	241.8	240.9	240.9	240.9
17.5°	239.0	239.0	239.0	239.9	239.9	239.9	239.9	239.9	239.0	239.0	239.0
20°	237.1	237.1	238.0	238.0	239.0	239.0	239.0	238.0	238.0	237.1	238.0
22.5°	237.1	237.1	237.1	238.0	238.0	238.0	238.0	237.1	237.1	237.1	237.1
25°	237.1	237.1	238.0	239.0	239.0	239.9	239.0	238.0	237.1	237.1	237.1
27.5°	238.0	238.0	239.0	239.9	239.9	240.9	239.9	239.0	238.0	238.0	238.0
30°	238.0	238.0	239.0	239.9	239.9	240.9	239.9	239.0	238.0	238.0	238.0
32.5°	236.1	237.1	238.0	239.0	239.9	239.9	239.9	239.0	238.0	237.1	237.1
35°	235.2	236.1	237.1	238.0	239.0	239.0	239.0	238.0	237.1	236.1	236.1
37.5°	234.2	234.2	236.1	237.1	238.0	239.9	239.0	237.1	236.1	235.2	235.2
40°	233.3	234.2	235.2	237.1	238.0	239.9	239.0	237.1	235.2	234.2	234.2
42.5°	233.3	233.3	235.2	237.1	239.0	240.9	239.9	238.0	235.2	234.2	233.3
45°	234.2	235.2	238.0	241.8	243.7	245.6	244.7	241.8	237.1	235.2	234.2
47.5°	238.0	239.0	241.8	245.6	250.4	253.2	250.4	245.6	241.8	239.0	238.0
50°	239.9	240.9	245.6	250.4	257.0	257.9	257.0	250.4	245.6	240.9	240.9
52.5°	243.7	243.7	249.4	257.9	263.6	265.5	263.6	258.9	249.4	244.7	243.7
55°	244.7	244.7	251.3	261.7	270.3	275.0	270.3	262.7	252.3	245.6	245.6
57.5°	239.0	240.9	249.4	259.8	270.3	273.1	270.3	260.8	250.4	241.8	240.9
60°	232.3	235.2	242.8	255.1	262.7	265.5	263.6	255.1	243.7	235.2	234.2
62.5°	225.7	229.5	238.0	247.5	258.9	261.7	258.9	247.5	238.0	229.5	225.7
65°	211.5	215.3	227.6	239.0	249.4	251.3	250.4	239.0	227.6	215.3	213.4
67.5°	197.3	200.1	208.6	226.7	235.2	238.0	236.1	225.7	209.6	200.1	199.2
70°	182.1	184.9	192.5	209.6	218.1	222.9	219.1	209.6	192.5	184.9	184.0
72.5°	162.2	166.0	174.5	189.7	198.2	202.9	199.2	189.7	174.5	165.0	163.1
75°	138.5	141.3	151.7	164.1	172.6	176.4	173.5	165.0	151.7	141.3	140.4
77.5°	112.9	115.7	125.2	137.5	142.3	146.0	143.2	136.6	125.2	115.7	114.7
80°	85.4	88.2	96.7	106.2	111.0	114.7	111.9	105.3	96.7	88.2	87.2
82.5°	56.0	58.8	66.4	74.0	78.7	82.5	79.7	73.0	67.3	58.8	57.8
85°	23.7	26.6	33.2	40.8	44.6	48.4	45.5	39.8	33.2	27.5	26.6
87.5°	1.9	2.8	2.8	3.8	2.8	4.7	2.8	2.8	2.8	2.8	2.8
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)