

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: P832502

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

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D0-735-U-MQ-CG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH CLEAR GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1168 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

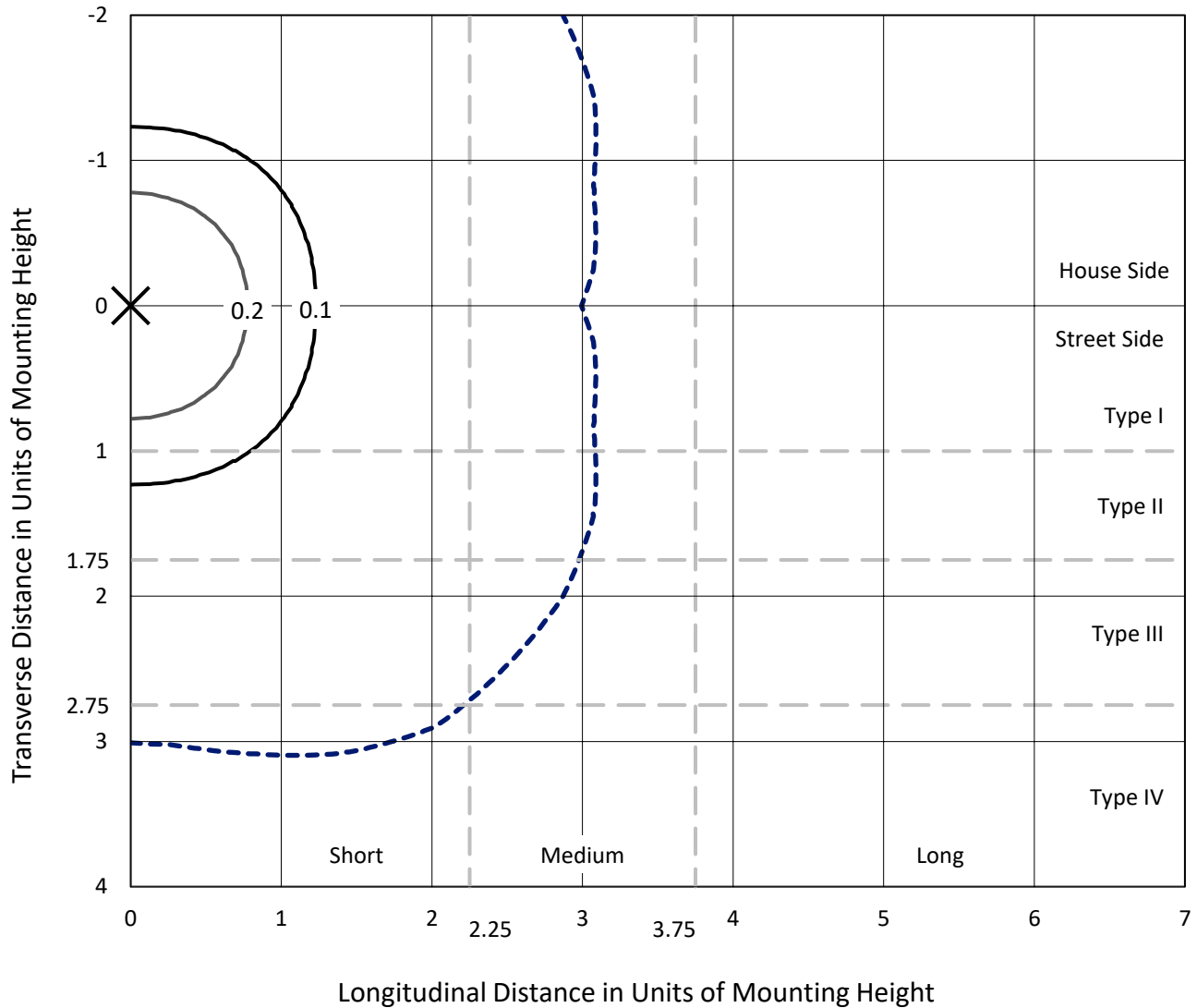
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

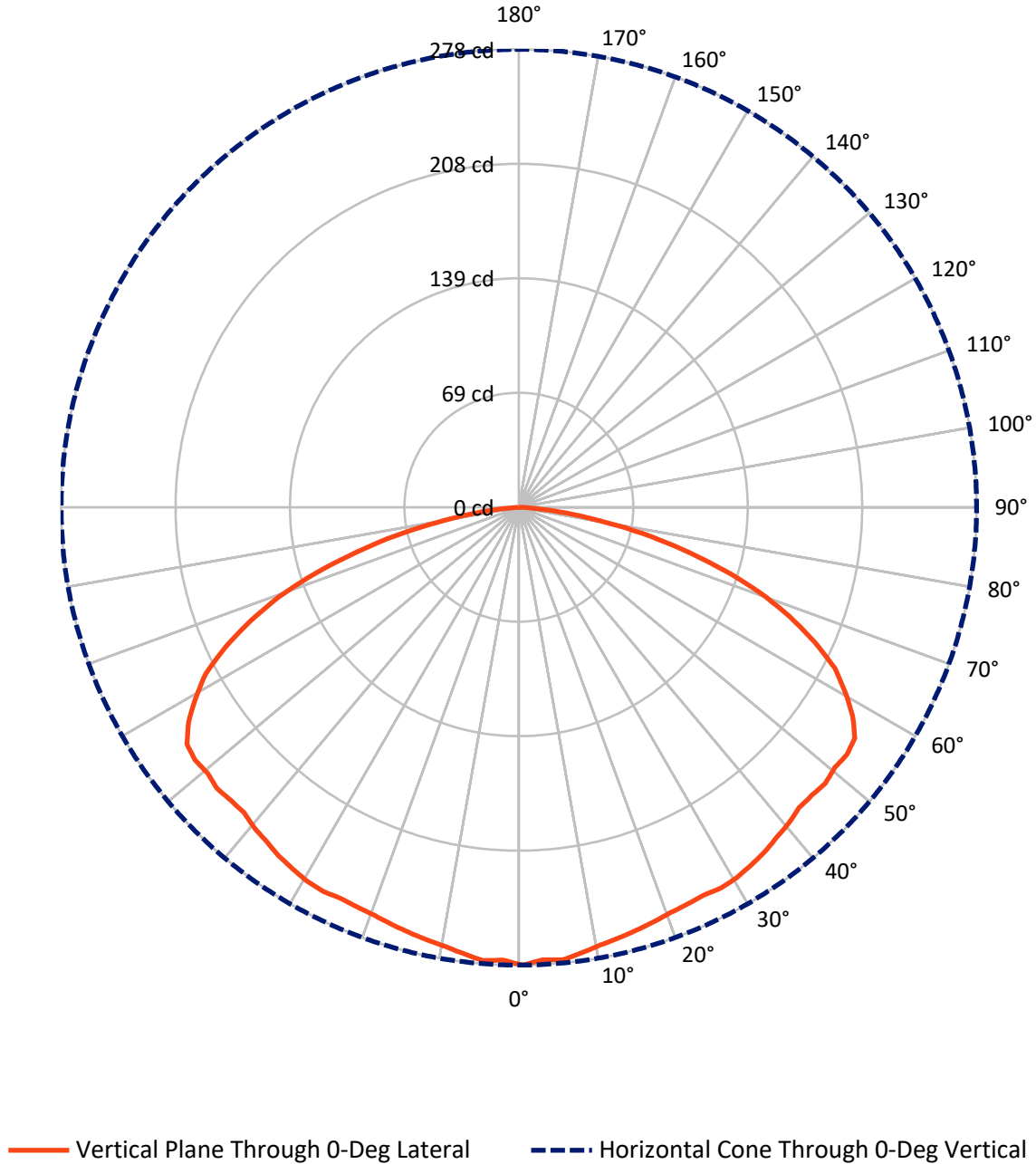
× Max cd
 - - - 1/2 Max cd



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



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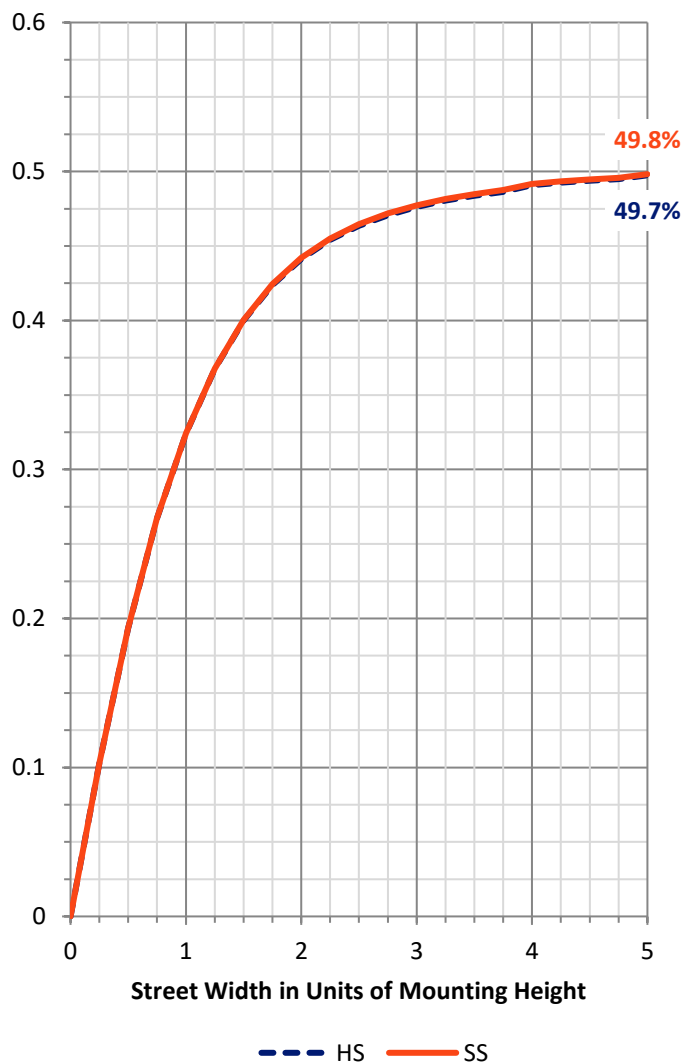
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.0	0.0	584.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	584.0	0.0	584.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1168.0	0.0	1168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	2.2
10°-20°	75.5	6.5
20°-30°	121.4	10.4
30°-40°	162.2	13.9
40°-50°	197.1	16.9
50°-60°	229.0	19.6
60°-70°	211.3	18.1
70°-80°	123.7	10.6
80°-90°	21.7	1.9
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°	1168.0	100.0
0°-180°	1168.0	100.0

Coefficient of Utilization



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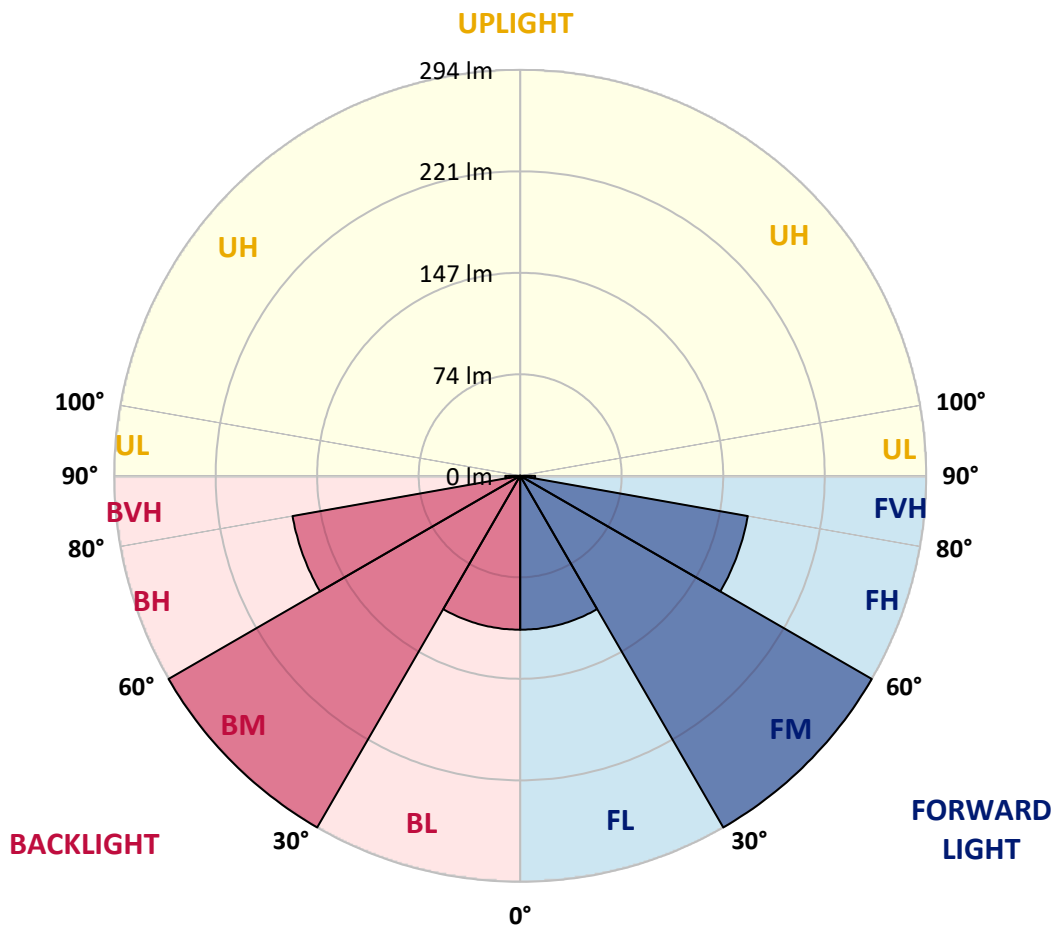
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.5	9.5			
FM (30°-60°)	294.2	25.2			
FH (60°-80°)	167.5	14.3			G0/660
FVH (80°-90°)	10.8	0.9			G1/100
BL (0°-30°)	111.5	9.5	B1/500		
BM (30°-60°)	294.2	25.2	B1/1000		
BH (60°-80°)	167.5	14.3	B1/500		G0/660
BVH (80°-90°)	10.8	0.9			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°	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9
2.5°	275.0	276.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	275.0	276.0
5°	276.0	276.0	276.0	276.0	275.0	275.0	275.0	275.0	275.0	276.0	276.0
7.5°	273.1	273.1	273.1	273.1	273.1	272.2	273.1	273.1	273.1	273.1	273.1
10°	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3	270.3
12.5°	268.4	268.4	268.4	268.4	268.4	268.4	268.4	268.4	268.4	267.4	267.4
15°	266.5	266.5	266.5	266.5	267.4	267.4	266.5	266.5	266.5	266.5	266.5
17.5°	264.6	264.6	264.6	264.6	265.5	265.5	265.5	264.6	264.6	264.6	264.6
20°	262.7	262.7	262.7	262.7	263.6	263.6	263.6	263.6	263.6	262.7	262.7
22.5°	261.7	261.7	261.7	261.7	262.7	262.7	262.7	262.7	261.7	261.7	261.7
25°	260.8	261.7	261.7	261.7	262.7	263.6	263.6	262.7	261.7	260.8	260.8
27.5°	261.7	261.7	261.7	262.7	262.7	263.6	263.6	262.7	261.7	261.7	261.7
30°	260.8	260.8	260.8	261.7	262.7	263.6	262.7	262.7	261.7	260.8	260.8
32.5°	258.9	258.9	259.8	260.8	261.7	261.7	261.7	260.8	259.8	258.9	258.9
35°	257.0	257.0	257.0	257.9	259.8	259.8	259.8	258.9	257.9	257.0	256.1
37.5°	254.2	255.1	255.1	257.0	257.9	258.9	257.9	257.0	255.1	254.2	254.2
40°	252.3	252.3	253.2	255.1	257.0	257.0	256.1	255.1	253.2	252.3	252.3
42.5°	249.4	249.4	251.3	253.2	256.1	256.1	255.1	253.2	251.3	249.4	249.4
45°	249.4	249.4	251.3	255.1	257.0	258.9	257.0	255.1	251.3	249.4	248.5
47.5°	250.4	250.4	252.3	257.0	260.8	262.7	259.8	256.1	252.3	250.4	249.4
50°	248.5	249.4	253.2	257.9	262.7	263.6	262.7	257.0	253.2	248.5	248.5
52.5°	249.4	249.4	254.2	261.7	266.5	268.4	266.5	261.7	253.2	248.5	248.5
55°	247.5	246.6	253.2	261.7	269.3	273.1	269.3	261.7	252.3	246.6	245.6
57.5°	239.0	239.0	247.5	256.1	265.5	267.4	264.6	256.1	246.6	239.0	237.1
60°	227.6	228.6	237.1	246.6	255.1	256.1	254.2	246.6	237.1	228.6	225.7
62.5°	215.3	217.2	225.7	235.2	245.6	247.5	244.7	235.2	223.8	218.1	213.4
65°	197.3	200.1	209.6	220.0	231.4	230.4	230.4	219.1	210.5	201.0	196.3
67.5°	177.3	180.2	186.8	201.0	210.5	209.6	208.6	201.0	186.8	180.2	177.3
70°	155.5	157.4	164.1	178.3	186.8	187.8	184.9	177.3	164.1	159.3	154.6
72.5°	129.9	130.9	140.4	151.7	160.3	159.3	158.4	151.7	139.4	134.7	129.0
75°	102.4	103.4	111.9	122.3	129.0	128.0	127.1	122.3	111.9	106.2	101.5
77.5°	76.8	75.9	84.4	92.0	95.8	96.7	94.8	91.0	83.5	78.7	75.9
80°	50.3	49.3	56.9	62.6	65.4	65.4	64.5	61.6	56.0	52.2	50.3
82.5°	28.5	27.5	32.2	36.0	38.9	37.9	37.0	35.1	32.2	29.4	27.5
85°	10.4	10.4	13.3	15.2	17.1	17.1	16.1	15.2	12.3	11.4	10.4
87.5°	0.9	0.9	1.9	2.8	2.8	2.8	1.9	1.9	0.9	0.9	0.9
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)