

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: P823326

Luminaire Tested: **TTN-D1-740-U-CQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D1-740-U-CQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3380 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

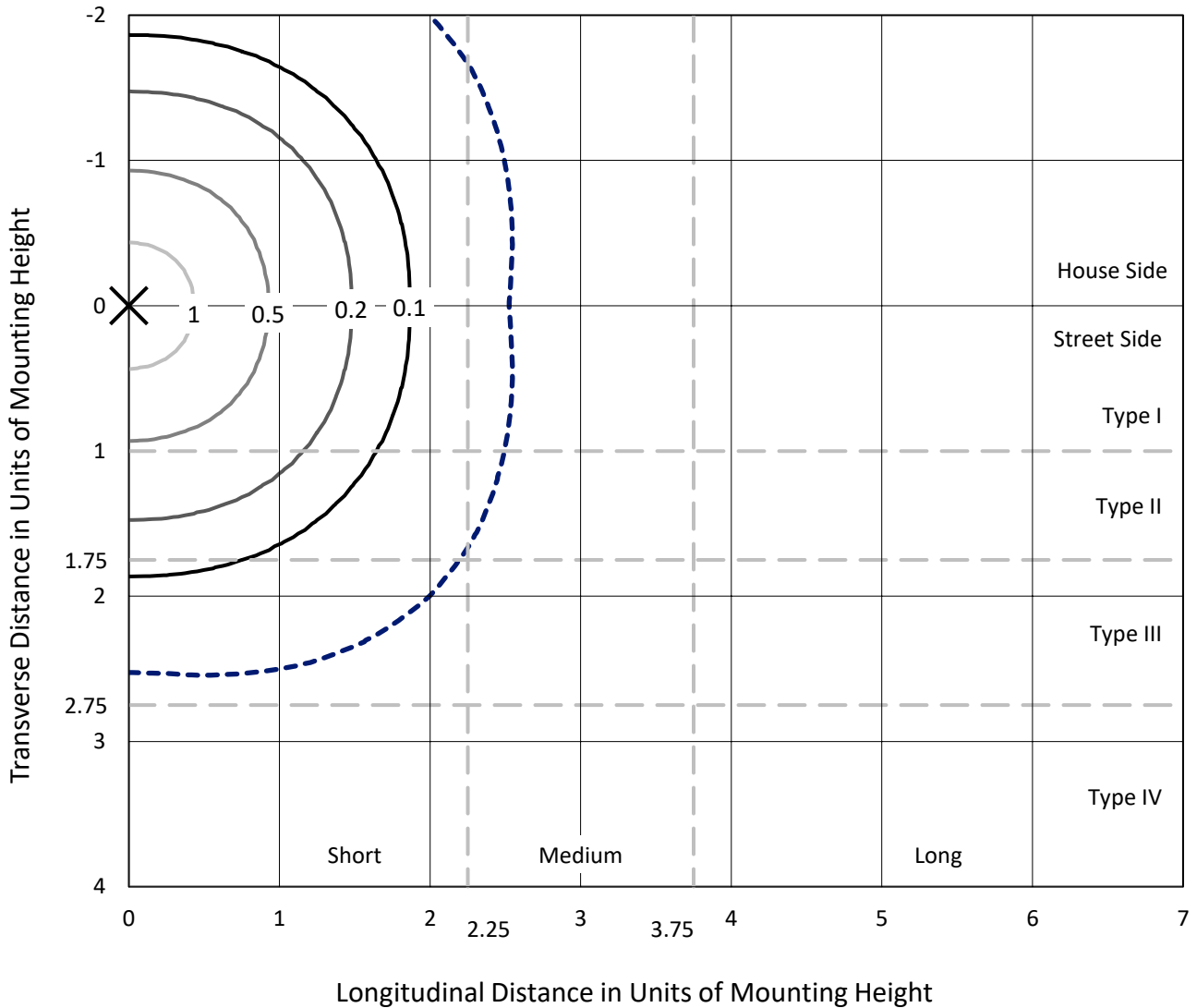
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

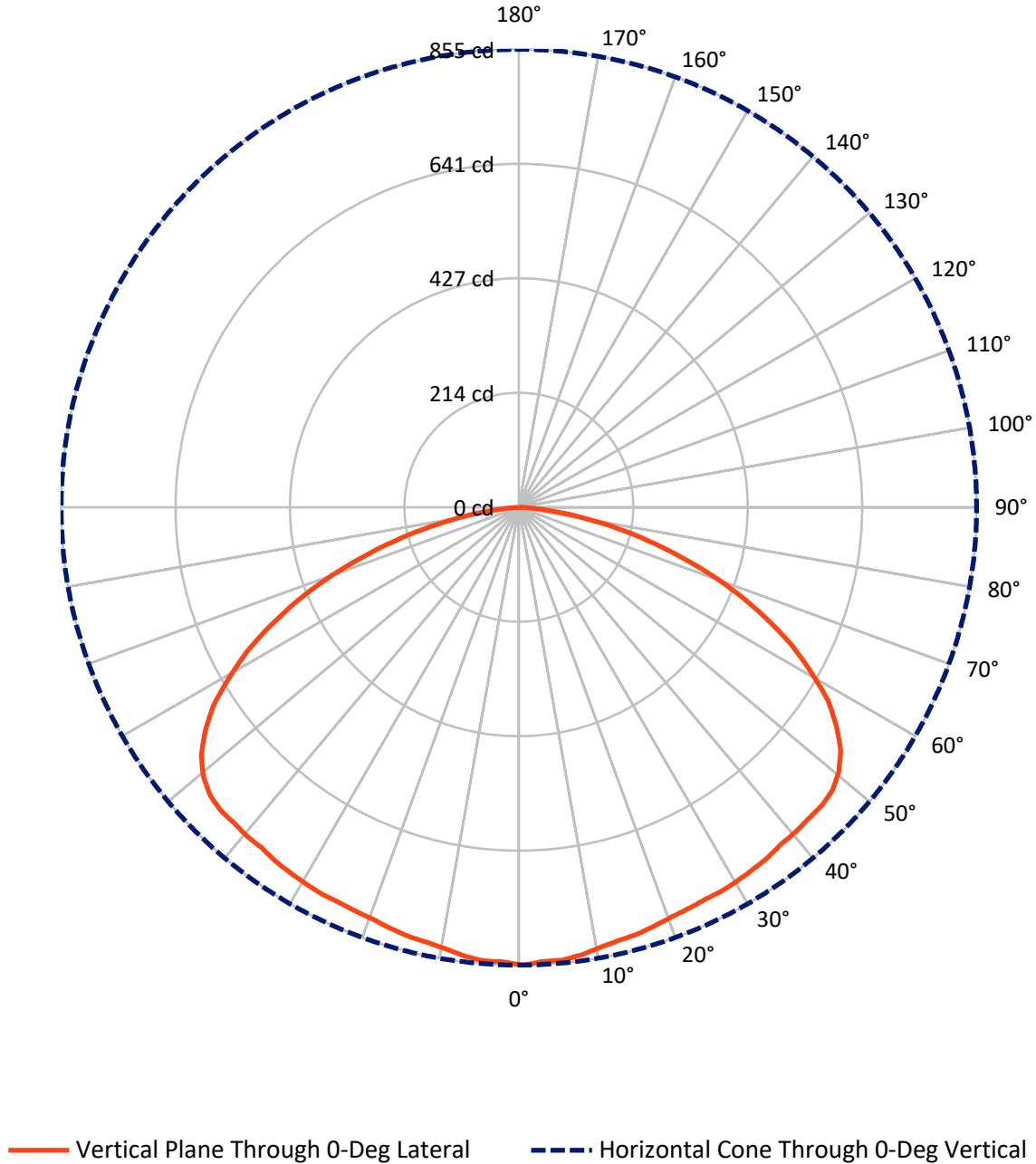
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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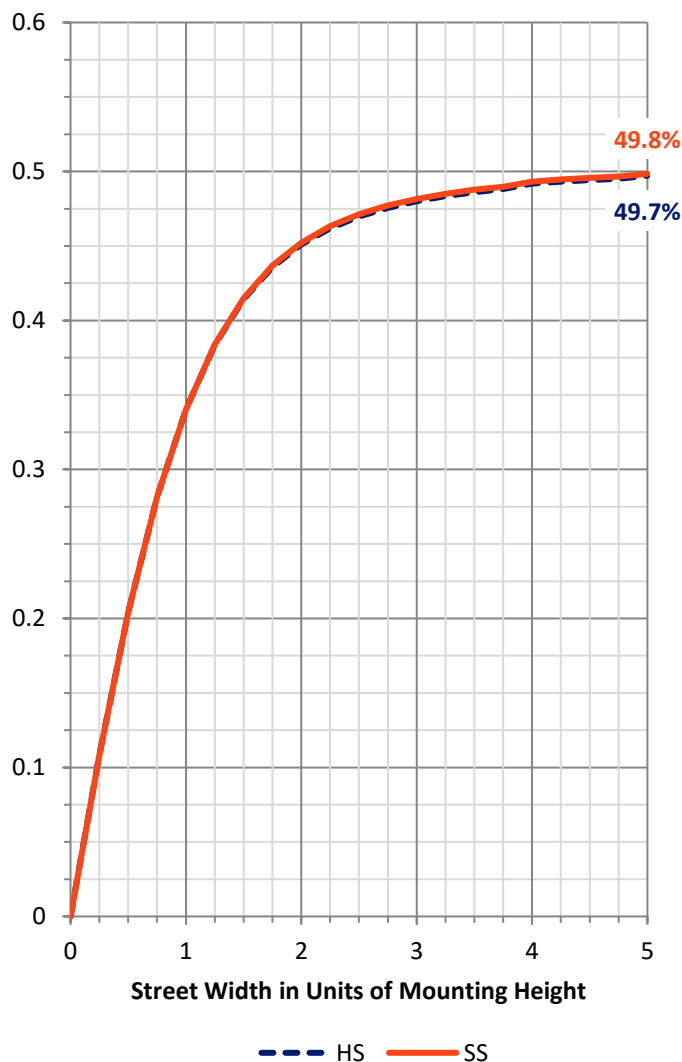
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1690.0	0.0	1690.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1690.0	0.0	1690.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3380.0	0.0	3380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	2.4
10°-20°	234.0	6.9
20°-30°	376.8	11.1
30°-40°	506.8	15.0
40°-50°	625.3	18.5
50°-60°	670.9	19.8
60°-70°	544.0	16.1
70°-80°	288.3	8.5
80°-90°	53.3	1.6
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°	3380.0	100.0
0°-180°	3380.0	100.0

Coefficient of Utilization



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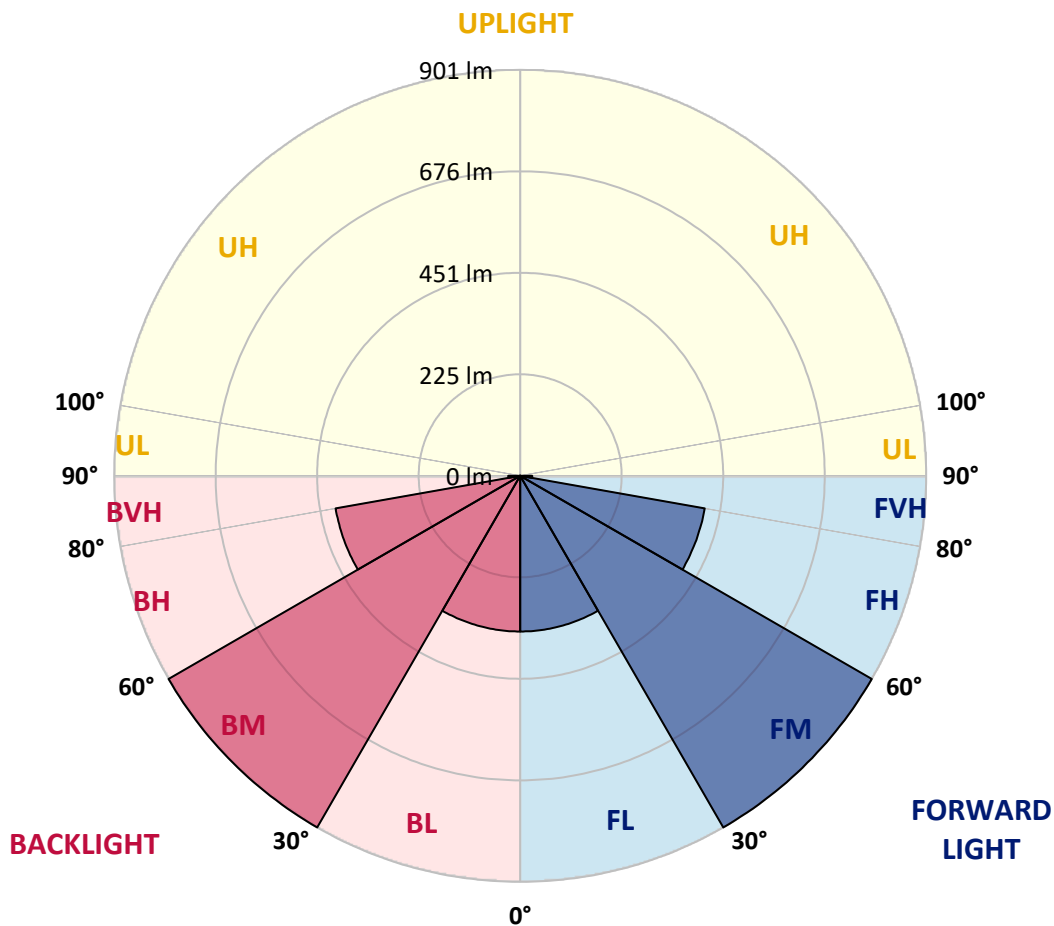
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.7	10.2			
FM (30°-60°)	901.5	26.7			
FH (60°-80°)	416.2	12.3			G0/660
FVH (80°-90°)	26.7	0.8			G1/100
BL (0°-30°)	345.7	10.2	B1/500		
BM (30°-60°)	901.5	26.7	B1/1000		
BH (60°-80°)	416.2	12.3	B1/500		G0/660
BVH (80°-90°)	26.7	0.8			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°	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7
2.5°	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	851.9
5°	849.1	849.1	849.1	849.1	846.4	849.1	849.1	849.1	849.1	849.1	849.1
7.5°	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6	843.6
10°	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3	835.3
12.5°	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8	829.8
15°	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	824.3	824.3
17.5°	821.5	821.5	821.5	821.5	824.3	824.3	824.3	821.5	821.5	821.5	821.5
20°	816.0	816.0	816.0	818.7	818.7	818.7	818.7	818.7	816.0	816.0	816.0
22.5°	813.2	813.2	813.2	813.2	816.0	816.0	816.0	816.0	813.2	813.2	813.2
25°	810.4	810.4	813.2	813.2	816.0	816.0	816.0	813.2	813.2	810.4	810.4
27.5°	810.4	810.4	813.2	813.2	816.0	816.0	816.0	816.0	813.2	810.4	810.4
30°	807.7	810.4	810.4	813.2	816.0	816.0	816.0	813.2	810.4	807.7	807.7
32.5°	804.9	804.9	807.7	810.4	813.2	813.2	813.2	810.4	807.7	804.9	802.1
35°	802.1	802.1	802.1	807.7	810.4	810.4	810.4	807.7	802.1	799.4	799.4
37.5°	796.6	799.4	802.1	804.9	810.4	810.4	810.4	804.9	799.4	796.6	793.8
40°	796.6	796.6	802.1	804.9	813.2	813.2	810.4	804.9	799.4	793.8	791.1
42.5°	793.8	796.6	802.1	810.4	818.7	818.7	816.0	807.7	799.4	793.8	791.1
45°	793.8	793.8	802.1	813.2	824.3	827.0	821.5	813.2	802.1	791.1	791.1
47.5°	788.3	788.3	799.4	813.2	827.0	829.8	827.0	813.2	799.4	791.1	788.3
50°	774.5	774.5	788.3	804.9	821.5	827.0	821.5	810.4	791.1	780.0	777.2
52.5°	752.3	752.3	766.2	788.3	804.9	813.2	807.7	793.8	774.5	757.9	755.1
55°	719.1	721.9	735.7	760.6	780.0	788.3	782.8	766.2	744.0	727.4	721.9
57.5°	680.4	680.4	699.8	724.7	744.0	752.3	746.8	730.2	705.3	688.7	683.2
60°	627.9	630.6	647.2	680.4	699.8	708.1	702.6	683.2	655.5	636.2	630.6
62.5°	575.3	578.1	594.7	622.3	644.5	650.0	644.5	625.1	600.2	580.9	575.3
65°	514.5	517.2	536.6	561.5	578.1	586.4	578.1	561.5	539.4	520.0	517.2
67.5°	450.9	453.6	473.0	495.1	511.7	517.2	508.9	495.1	473.0	456.4	450.9
70°	384.5	387.2	403.8	423.2	437.0	442.6	437.0	420.4	403.8	387.2	384.5
72.5°	315.3	318.1	334.7	351.3	362.3	367.9	359.6	348.5	331.9	318.1	315.3
75°	248.9	248.9	262.8	276.6	287.7	290.4	284.9	276.6	262.8	251.7	246.2
77.5°	185.3	185.3	199.1	207.4	213.0	218.5	213.0	204.7	196.4	185.3	185.3
80°	124.5	124.5	135.5	141.1	146.6	149.4	146.6	141.1	135.5	127.2	124.5
82.5°	74.7	74.7	80.2	85.7	85.7	88.5	88.5	85.7	80.2	74.7	74.7
85°	33.2	30.4	36.0	38.7	38.7	41.5	41.5	38.7	36.0	33.2	33.2
87.5°	2.8	5.5	5.5	8.3	8.3	8.3	8.3	8.3	5.5	5.5	5.5
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)