

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: P823288

Luminaire Tested: **TTN-D0-830-U-MQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823288
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-D0-830-U-MQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3000K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1142 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

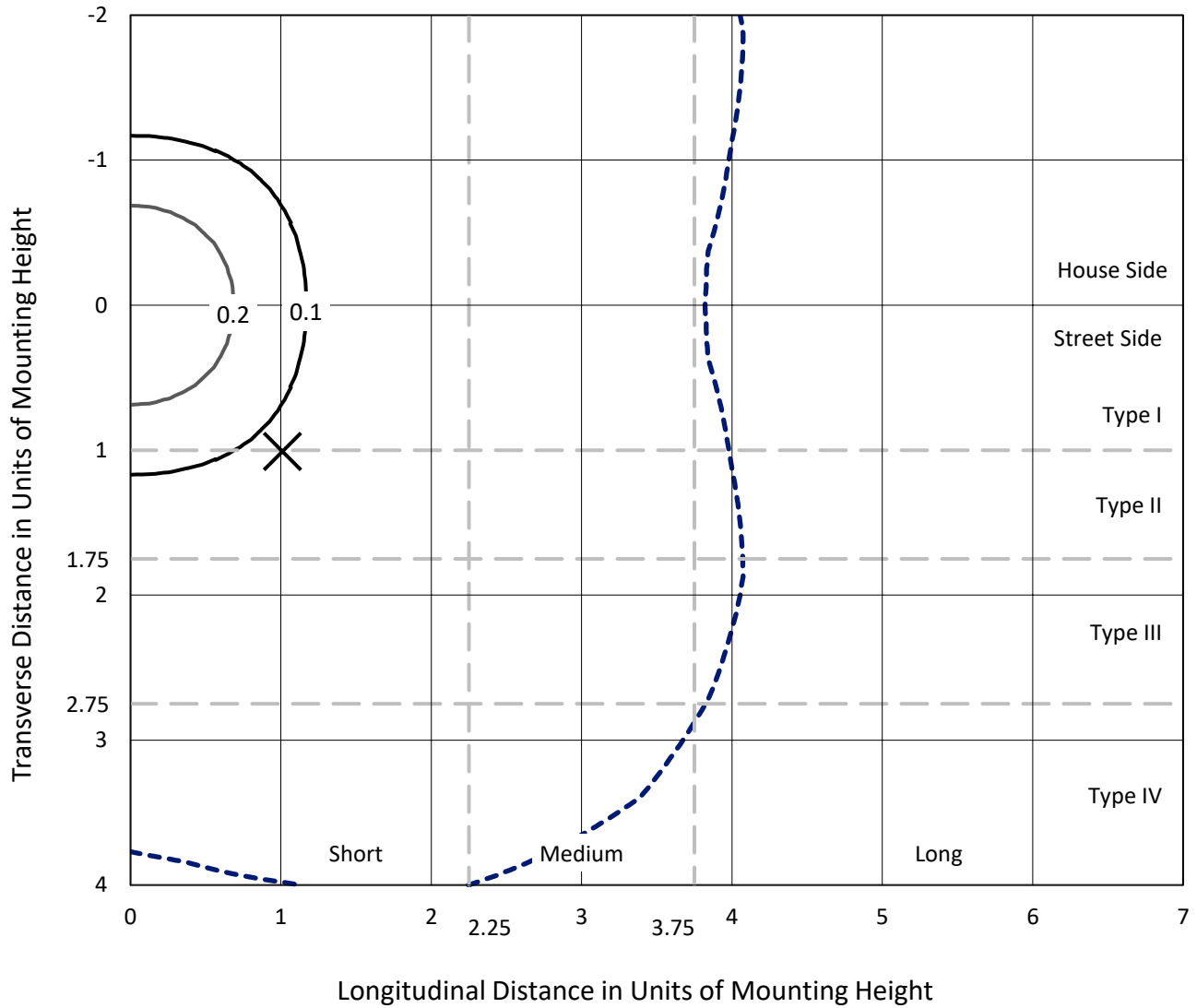
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P823288
 CATALOG NUMBER: TTN-D0-830-U-MQ

Iso-Footcandle Lines of Horizontal Illumination

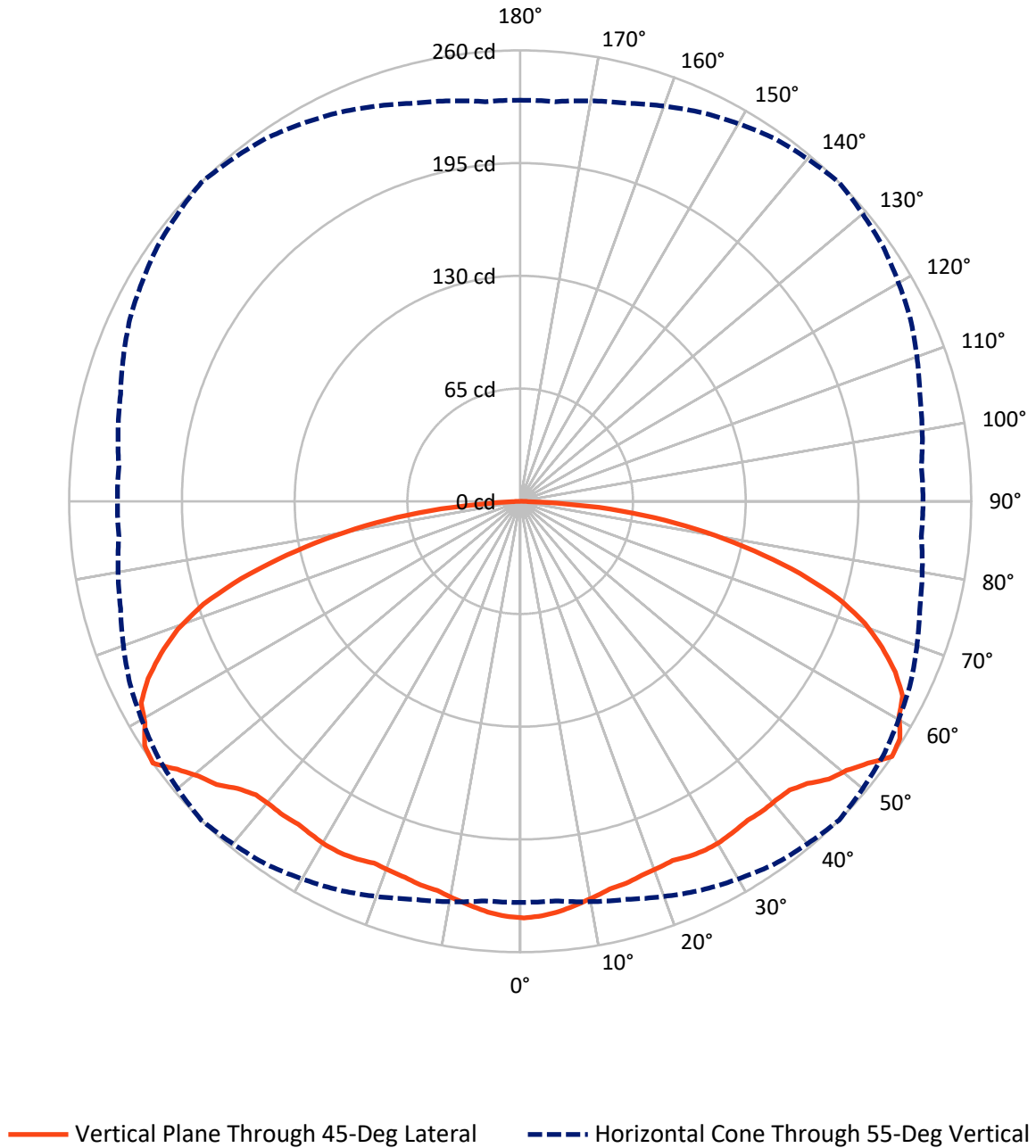
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

REPORT NUMBER: P823288
CATALOG NUMBER: TTN-D0-830-U-MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P823288

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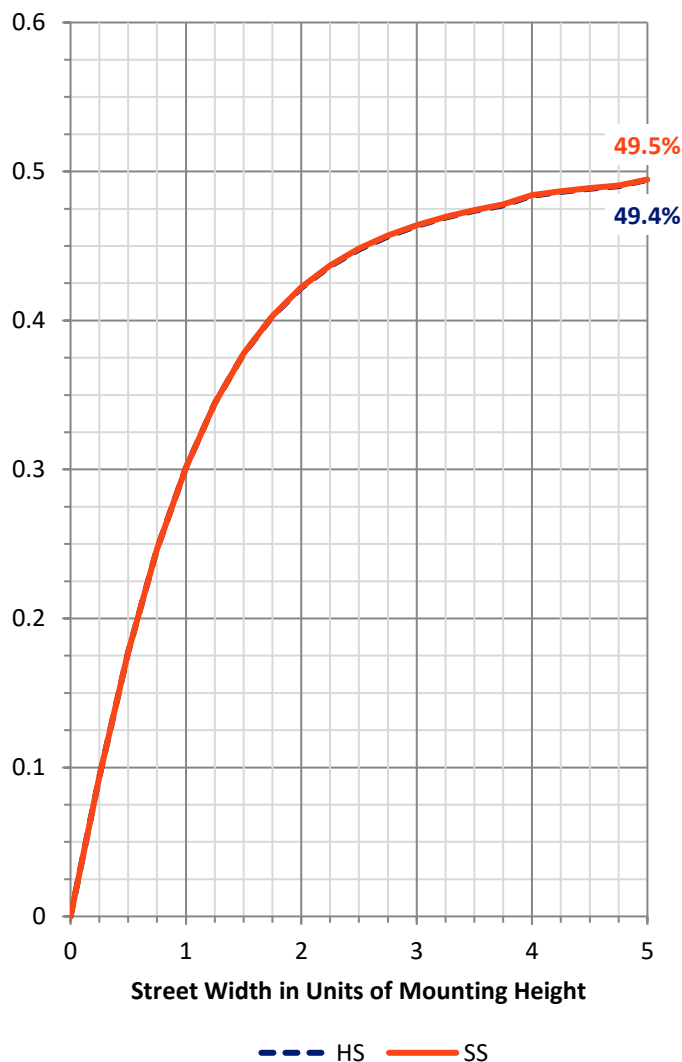
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	571.0	0.0	571.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	571.0	0.0	571.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1142.0	0.0	1142.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	2.0
10°-20°	64.6	5.7
20°-30°	104.3	9.1
30°-40°	141.2	12.4
40°-50°	176.8	15.5
50°-60°	216.7	19.0
60°-70°	217.3	19.0
70°-80°	156.8	13.7
80°-90°	41.8	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°	1142.0	100.0
0°-180°	1142.0	100.0

Coefficient of Utilization



REPORT NUMBER: P823288

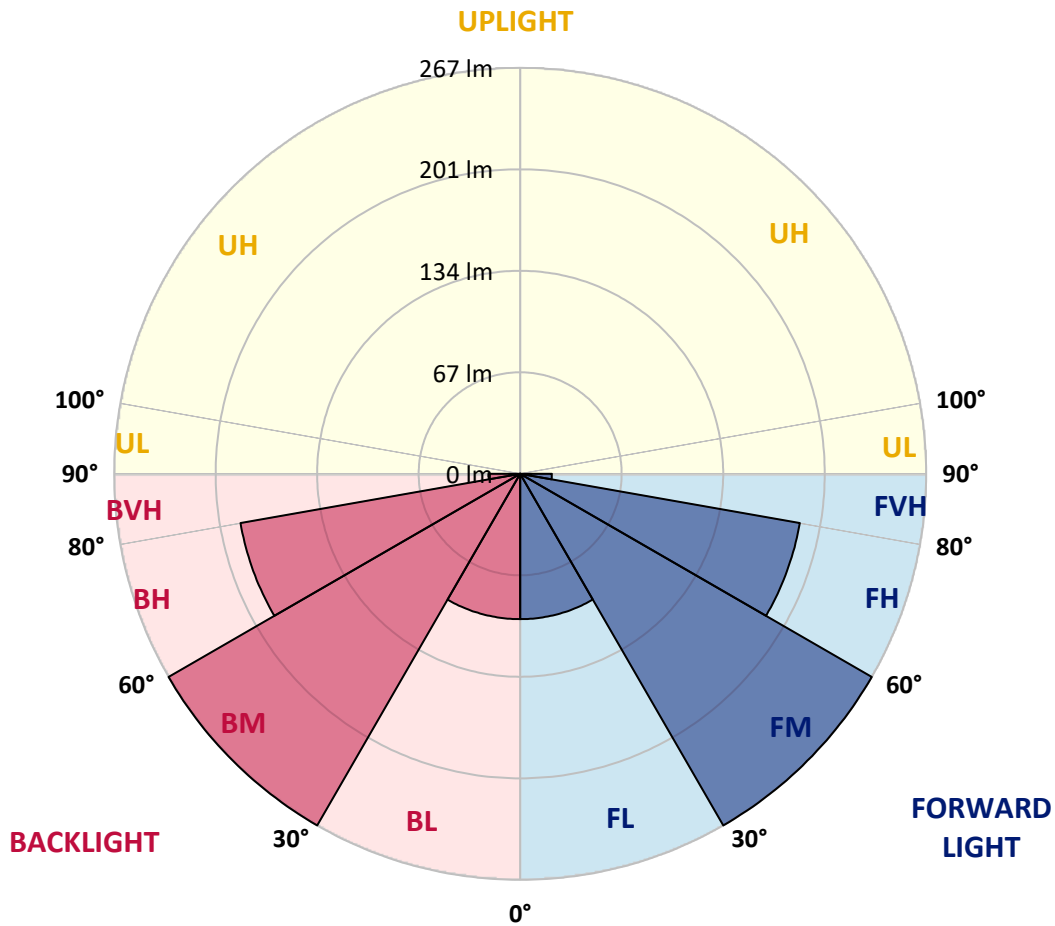
CATALOG NUMBER: TTN-D0-830-U-MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.7	8.4			
FM (30°-60°)	267.4	23.4			
FH (60°-80°)	187.0	16.4			G0/660
FVH (80°-90°)	20.9	1.8			G1/100
BL (0°-30°)	95.7	8.4	B0/110		
BM (30°-60°)	267.4	23.4	B1/1000		
BH (60°-80°)	187.0	16.4	B1/500		G0/660
BVH (80°-90°)	20.9	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°	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3	240.3
2.5°	239.4	239.4	239.4	238.5	239.4	239.4	239.4	239.4	239.4	239.4	239.4
5°	237.6	237.6	237.6	237.6	237.6	237.6	237.6	237.6	237.6	237.6	237.6
7.5°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9
10°	231.3	231.3	231.3	231.3	232.2	232.2	232.2	232.2	231.3	231.3	231.3
12.5°	228.6	228.6	228.6	229.5	229.5	229.5	229.5	229.5	229.5	229.5	228.6
15°	227.7	227.7	227.7	227.7	228.6	228.6	228.6	228.6	227.7	227.7	227.7
17.5°	225.9	225.9	225.9	226.8	226.8	226.8	226.8	226.8	225.9	225.9	225.9
20°	224.1	224.1	225.0	225.0	225.9	225.9	225.9	225.0	225.0	224.1	225.0
22.5°	224.1	224.1	224.1	225.0	225.0	225.0	225.0	224.1	224.1	224.1	224.1
25°	224.1	224.1	225.0	225.9	225.9	226.8	225.9	225.0	224.1	224.1	224.1
27.5°	225.0	225.0	225.9	226.8	226.8	227.7	226.8	225.9	225.0	225.0	225.0
30°	225.0	225.0	225.9	226.8	226.8	227.7	226.8	225.9	225.0	225.0	225.0
32.5°	223.2	224.1	225.0	225.9	226.8	226.8	226.8	225.9	225.0	224.1	224.1
35°	222.3	223.2	224.1	225.0	225.9	225.9	225.9	225.0	224.1	223.2	223.2
37.5°	221.4	221.4	223.2	224.1	225.0	226.8	225.9	224.1	223.2	222.3	222.3
40°	220.5	221.4	222.3	224.1	225.0	226.8	225.9	224.1	222.3	221.4	221.4
42.5°	220.5	220.5	222.3	224.1	225.9	227.7	226.8	225.0	222.3	221.4	220.5
45°	221.4	222.3	225.0	228.6	230.4	232.2	231.3	228.6	224.1	222.3	221.4
47.5°	225.0	225.9	228.6	232.2	236.7	239.4	236.7	232.2	228.6	225.9	225.0
50°	226.8	227.7	232.2	236.7	243.0	243.9	243.0	236.7	232.2	227.7	227.7
52.5°	230.4	230.4	235.8	243.9	249.2	251.0	249.2	244.8	235.8	231.3	230.4
55°	231.3	231.3	237.6	247.4	255.5	260.0	255.5	248.3	238.5	232.2	232.2
57.5°	225.9	227.7	235.8	245.6	255.5	258.2	255.5	246.5	236.7	228.6	227.7
60°	219.6	222.3	229.5	241.2	248.3	251.0	249.2	241.2	230.4	222.3	221.4
62.5°	213.4	217.0	225.0	234.0	244.8	247.4	244.8	234.0	225.0	217.0	213.4
65°	199.9	203.5	215.2	225.9	235.8	237.6	236.7	225.9	215.2	203.5	201.7
67.5°	186.5	189.2	197.2	214.3	222.3	225.0	223.2	213.4	198.1	189.2	188.3
70°	172.1	174.8	182.0	198.1	206.2	210.7	207.1	198.1	182.0	174.8	173.9
72.5°	153.3	156.9	165.0	179.3	187.4	191.9	188.3	179.3	165.0	156.0	154.2
75°	130.9	133.6	143.4	155.1	163.2	166.8	164.1	156.0	143.4	133.6	132.7
77.5°	106.7	109.4	118.3	130.0	134.5	138.1	135.4	129.1	118.3	109.4	108.5
80°	80.7	83.4	91.4	100.4	104.9	108.5	105.8	99.5	91.4	83.4	82.5
82.5°	52.9	55.6	62.8	69.9	74.4	78.0	75.3	69.0	63.7	55.6	54.7
85°	22.4	25.1	31.4	38.6	42.1	45.7	43.0	37.7	31.4	26.0	25.1
87.5°	1.8	2.7	2.7	3.6	2.7	4.5	2.7	2.7	2.7	2.7	2.7
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)