

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: P823290

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

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-7)
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-WQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3000K, 80 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1089 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

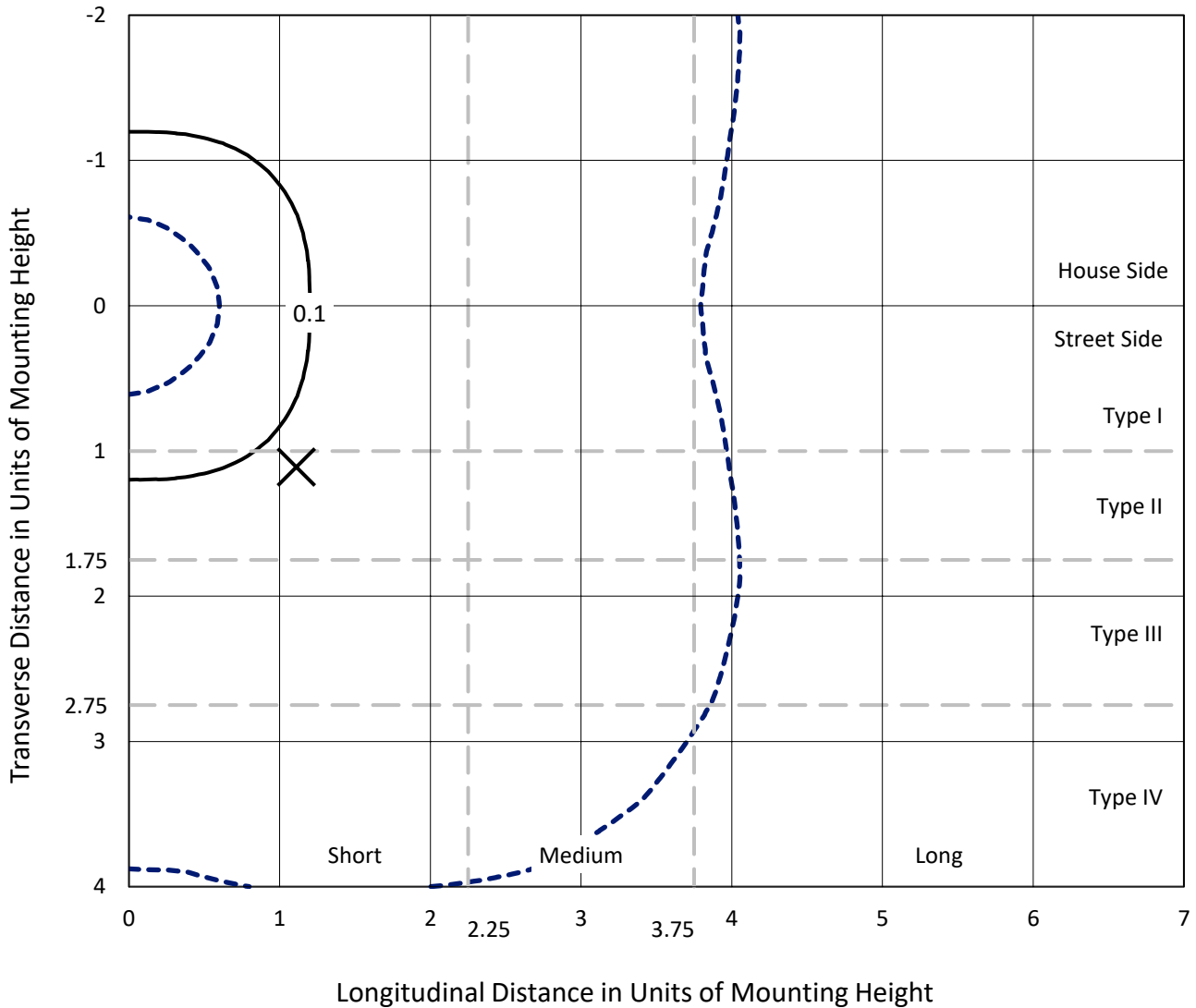
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P823290
 CATALOG NUMBER: TTN-D0-830-U-WQ

Iso-Footcandle Lines of Horizontal Illumination

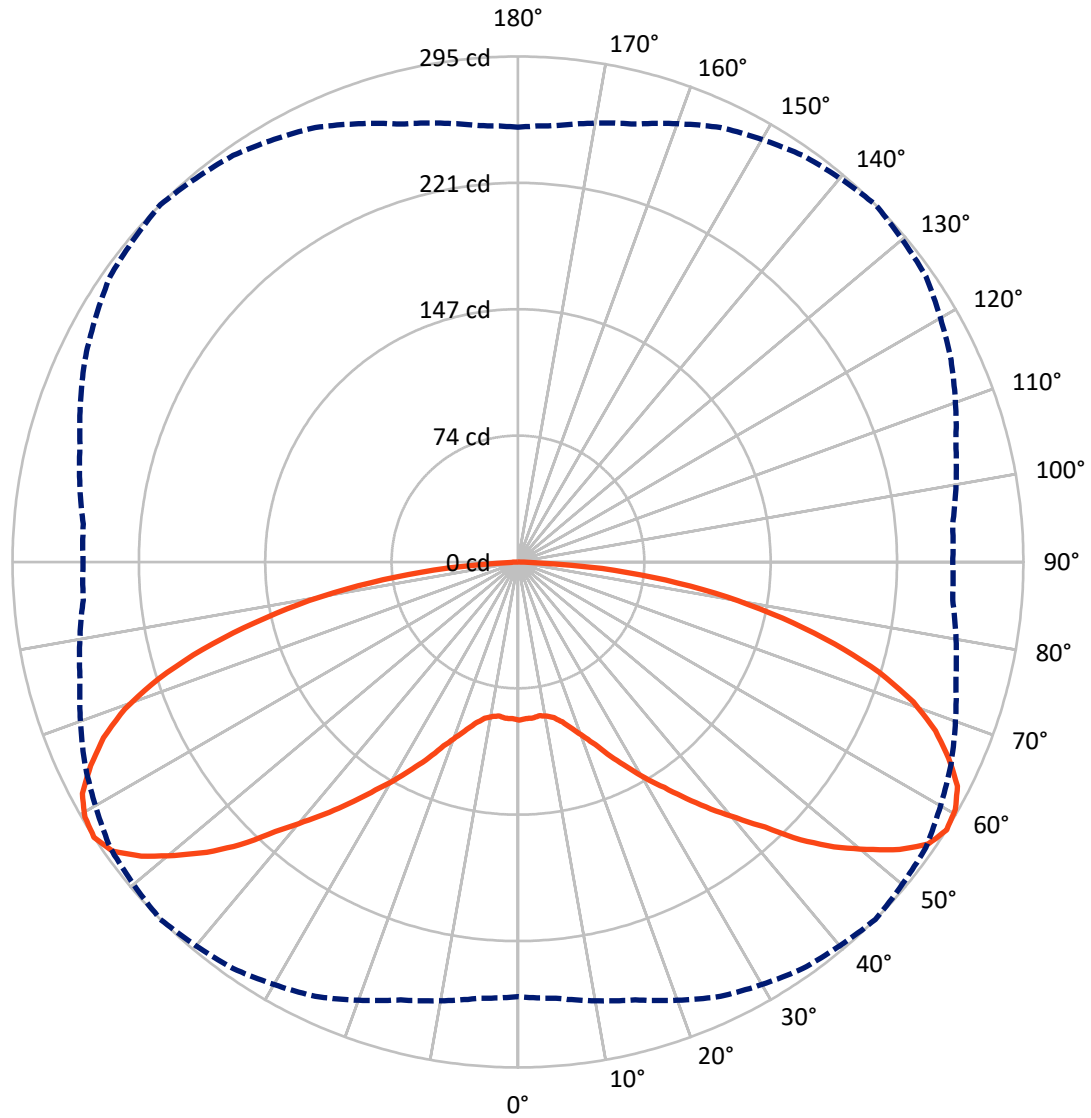
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - N/A

REPORT NUMBER: P823290
CATALOG NUMBER: TTN-D0-830-U-WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P823290
 CATALOG NUMBER: TTN-D0-830-U-WQ

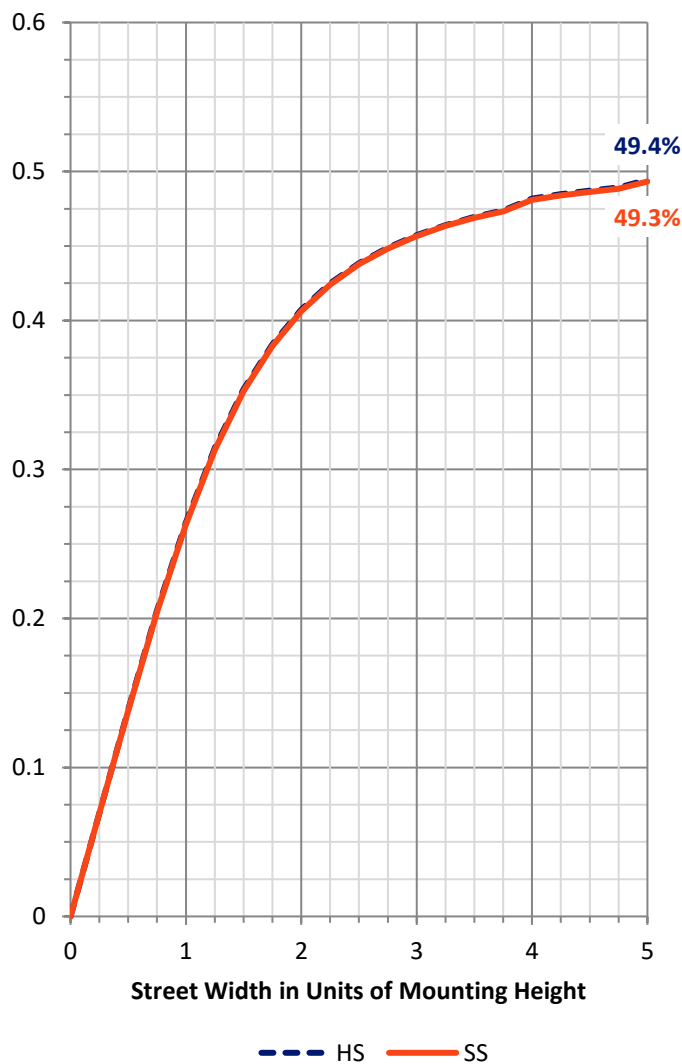
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.5	0.0	544.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	544.5	0.0	544.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1089.0	0.0	1089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.8
10°-20°	27.7	2.5
20°-30°	58.1	5.3
30°-40°	105.4	9.7
40°-50°	171.8	15.8
50°-60°	240.5	22.1
60°-70°	251.0	23.1
70°-80°	179.4	16.5
80°-90°	46.4	4.3
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°	1089.0	100.0
0°-180°	1089.0	100.0

Coefficient of Utilization



REPORT NUMBER: P823290

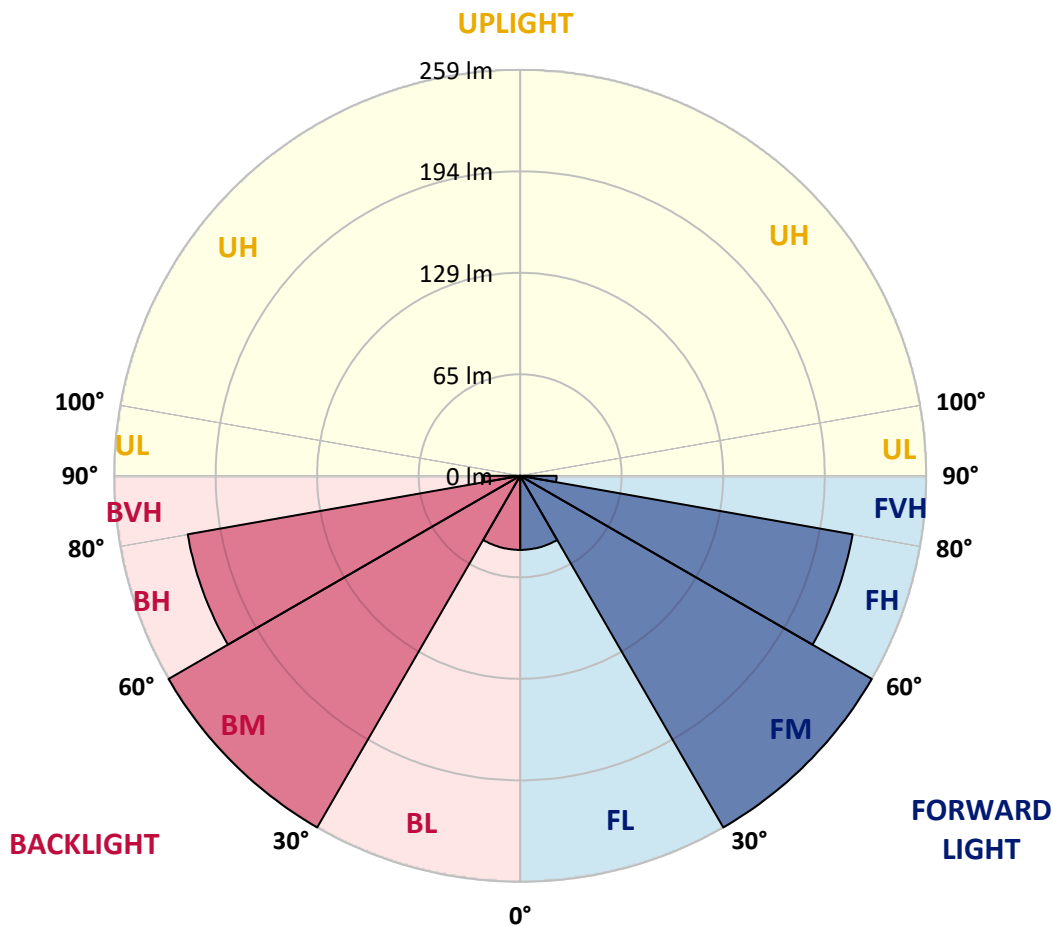
CATALOG NUMBER: TTN-D0-830-U-WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.2	4.3			
FM (30°-60°)	258.8	23.8			
FH (60°-80°)	215.2	19.8			G0/660
FVH (80°-90°)	23.2	2.1			G1/100
BL (0°-30°)	47.2	4.3	B0/110		
BM (30°-60°)	258.8	23.8	B1/1000		
BH (60°-80°)	215.2	19.8	B1/500		G0/660
BVH (80°-90°)	23.2	2.1			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





REPORT NUMBER: P823290
 CATALOG NUMBER: TTN-D0-830-U-WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
2.5°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
5°	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
7.5°	89.6	89.6	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
10°	89.6	89.6	90.5	90.5	91.4	91.4	91.4	90.5	90.5	89.6	89.6
12.5°	91.4	91.4	91.4	92.3	93.2	93.2	93.2	92.3	92.3	91.4	91.4
15°	94.1	95.0	95.0	95.9	96.8	96.8	96.8	95.9	95.9	95.0	95.0
17.5°	99.5	99.5	99.5	100.4	101.3	102.2	102.2	100.4	100.4	99.5	100.4
20°	104.9	105.8	105.8	106.6	107.5	108.4	107.5	106.6	105.8	105.8	105.8
22.5°	112.9	112.9	113.8	113.8	115.6	115.6	115.6	113.8	113.8	113.8	113.8
25°	121.9	121.9	122.8	123.7	125.5	125.5	124.6	122.8	122.8	122.8	123.7
27.5°	132.6	132.6	133.5	133.5	135.3	135.3	134.4	133.5	133.5	133.5	134.4
30°	142.5	142.5	144.3	145.2	146.1	146.1	146.1	144.3	144.3	143.4	143.4
32.5°	151.5	152.4	153.2	155.9	157.7	157.7	157.7	155.9	154.1	153.2	153.2
35°	161.3	162.2	164.0	166.7	169.4	169.4	169.4	166.7	164.9	163.1	164.0
37.5°	173.0	173.0	175.7	178.3	181.9	181.9	181.9	179.2	176.5	174.8	174.8
40°	185.5	185.5	188.2	190.9	195.4	195.4	195.4	191.8	188.2	187.3	187.3
42.5°	198.1	198.1	201.6	204.3	209.7	209.7	209.7	205.2	201.6	199.0	199.9
45°	211.5	212.4	216.9	222.3	228.5	228.5	228.5	223.2	217.8	212.4	212.4
47.5°	226.7	226.7	232.1	238.4	245.6	244.7	244.7	239.3	232.1	227.6	227.6
50°	236.6	237.5	244.7	252.7	261.7	260.8	260.8	252.7	244.7	238.4	237.5
52.5°	246.5	247.3	255.4	267.1	276.0	275.1	275.1	267.1	255.4	247.3	247.3
55°	252.7	254.5	263.5	276.0	285.9	285.0	285.0	276.0	262.6	253.6	252.7
57.5°	253.6	255.4	264.4	279.6	289.5	294.8	290.4	278.7	264.4	254.5	253.6
60°	251.8	252.7	261.7	277.8	289.5	293.1	289.5	276.9	260.8	252.7	250.9
62.5°	247.3	249.1	258.1	271.5	285.0	287.7	284.1	270.6	257.2	247.3	245.6
65°	233.0	234.8	248.2	261.7	273.3	276.0	273.3	261.7	247.3	233.0	231.2
67.5°	216.9	217.8	231.2	247.3	258.1	262.6	258.1	248.2	230.3	216.9	215.1
70°	199.9	200.7	211.5	228.5	239.3	244.7	240.2	229.4	210.6	199.0	198.1
72.5°	180.1	180.1	190.9	204.3	215.1	220.5	216.9	203.4	189.1	177.4	175.7
75°	153.2	154.1	165.8	175.7	187.3	190.9	187.3	176.5	163.1	151.5	149.7
77.5°	125.5	126.4	136.2	144.3	155.0	157.7	155.0	146.1	133.5	123.7	122.8
80°	95.0	95.9	104.0	111.1	120.1	123.7	121.0	112.0	102.2	93.2	90.5
82.5°	61.8	62.7	70.8	76.2	84.2	86.9	85.1	77.1	69.0	60.0	59.1
85°	27.8	28.7	35.8	40.3	46.6	49.3	47.5	40.3	34.1	26.0	24.2
87.5°	2.7	2.7	2.7	2.7	2.7	3.6	3.6	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)