

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: P823325

Luminaire Tested: **TTN-D1-735-U-WQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823325
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-D1-735-U-WQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3186 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

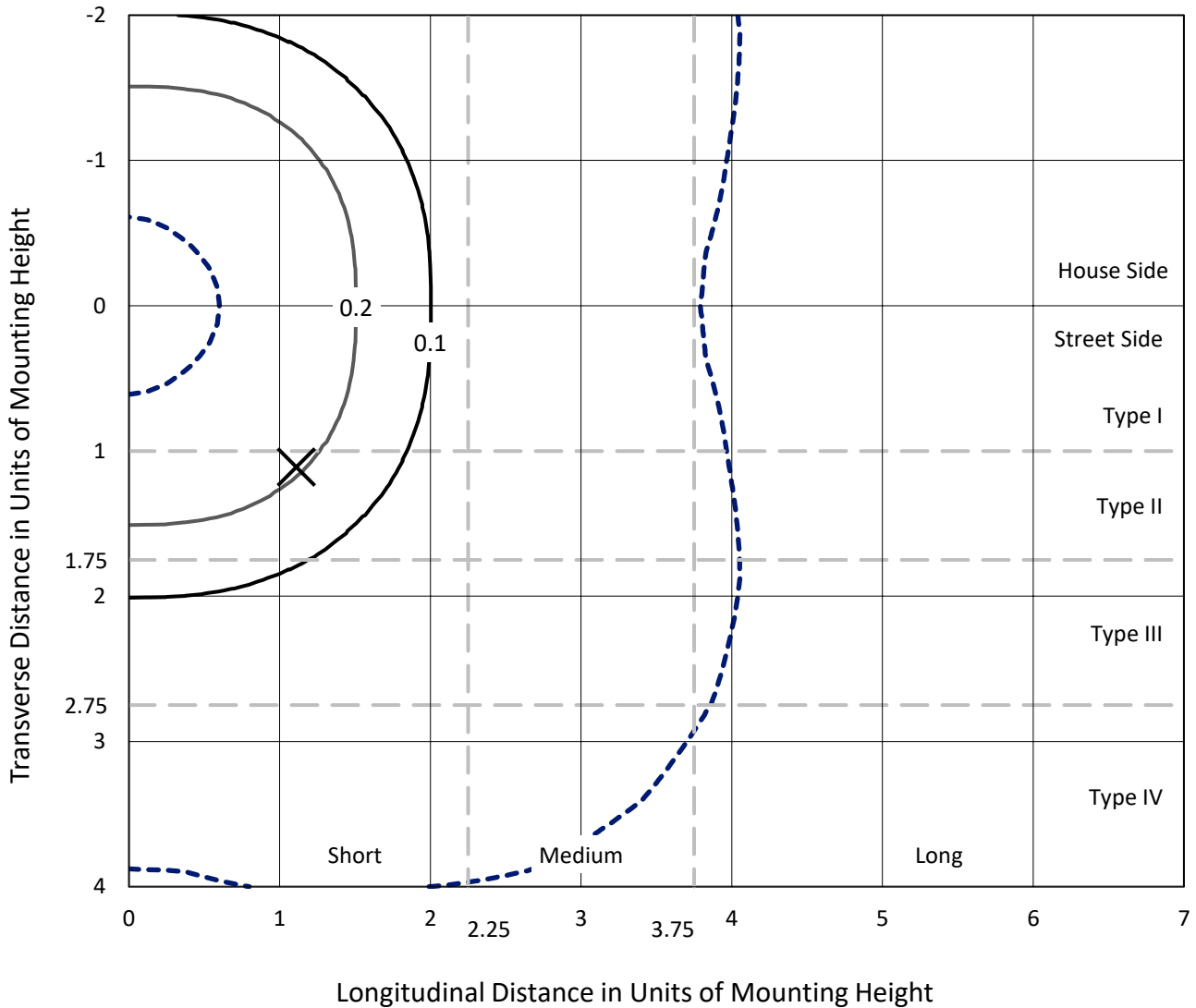
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P823325
 CATALOG NUMBER: TTN-D1-735-U-WQ

Iso-Footcandle Lines of Horizontal Illumination

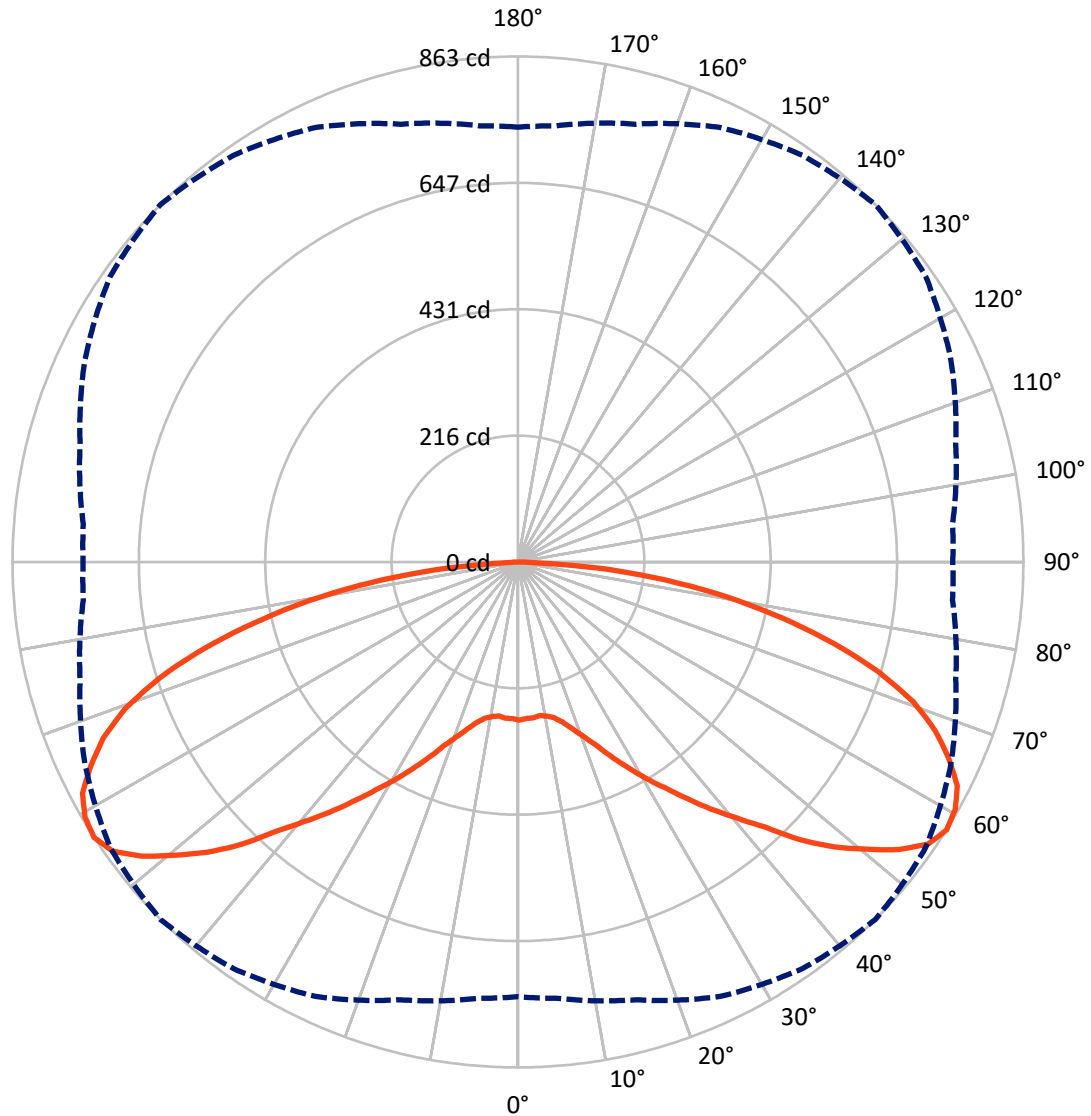
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P823325
CATALOG NUMBER: TTN-D1-735-U-WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P823325
 CATALOG NUMBER: TTN-D1-735-U-WQ

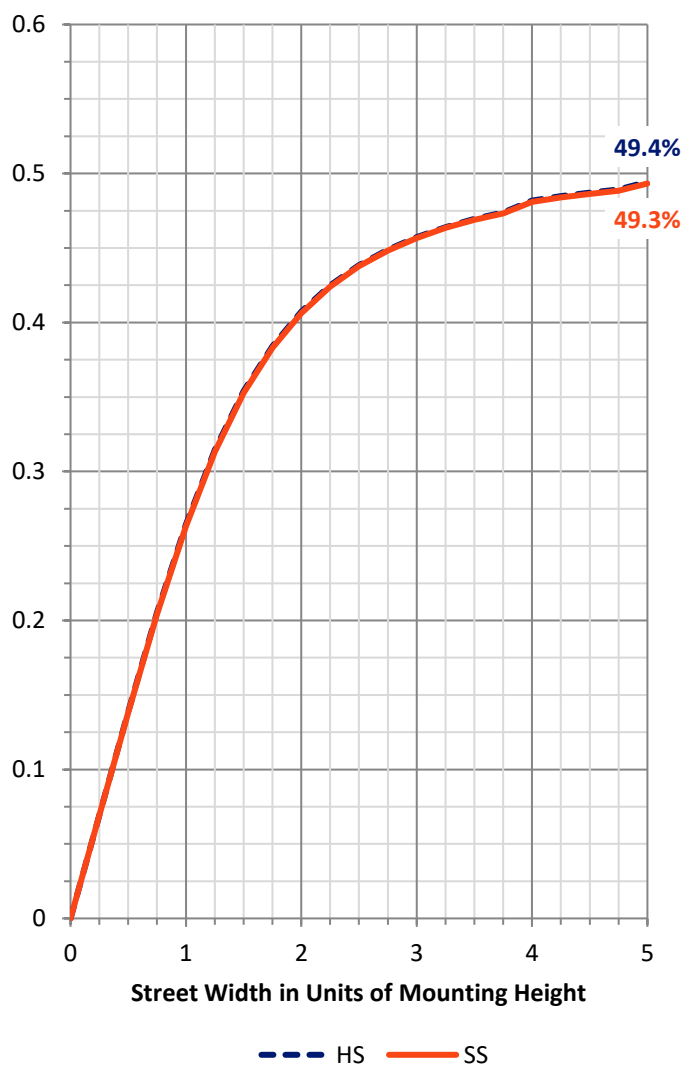
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.0	0.0	1593.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1593.0	0.0	1593.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3186.0	0.0	3186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	0.8
10°-20°	81.0	2.5
20°-30°	170.0	5.3
30°-40°	308.3	9.7
40°-50°	502.7	15.8
50°-60°	703.6	22.1
60°-70°	734.5	23.1
70°-80°	524.8	16.5
80°-90°	135.8	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°	3186.0	100.0
0°-180°	3186.0	100.0

Coefficient of Utilization



REPORT NUMBER: P823325

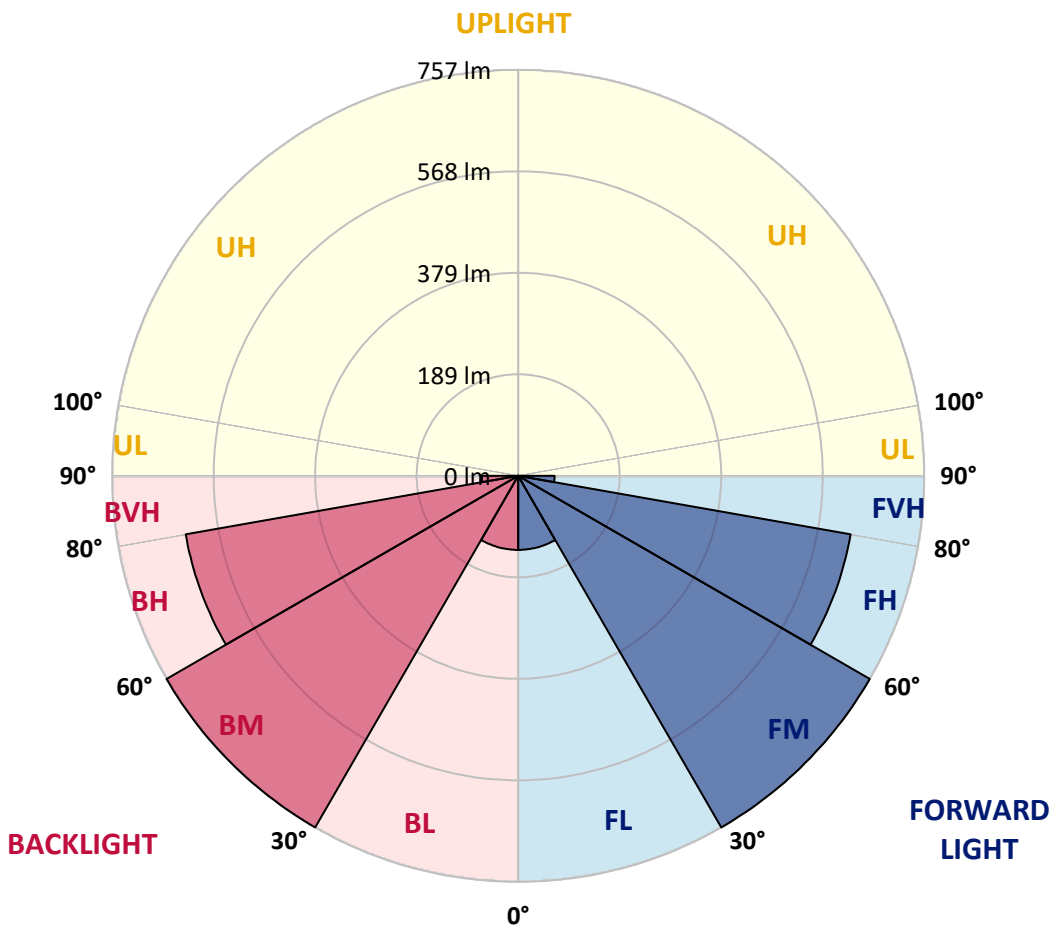
CATALOG NUMBER: TTN-D1-735-U-WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.2	4.3			
FM (30°-60°)	757.3	23.8			
FH (60°-80°)	629.7	19.8			G0/660
FVH (80°-90°)	67.9	2.1			G1/100
BL (0°-30°)	138.2	4.3	B1/500		
BM (30°-60°)	757.3	23.8	B1/1000		
BH (60°-80°)	629.7	19.8	B2/1000		G0/660
BVH (80°-90°)	67.9	2.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P823325
 CATALOG NUMBER: TTN-D1-735-U-WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4
5°	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4	267.4
7.5°	262.2	262.2	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8
10°	262.2	262.2	264.8	264.8	267.4	267.4	267.4	264.8	264.8	262.2	262.2
12.5°	267.4	267.4	267.4	270.1	272.7	272.7	272.7	270.1	270.1	267.4	267.4
15°	275.3	277.9	277.9	280.5	283.2	283.2	283.2	280.5	280.5	277.9	277.9
17.5°	291.0	291.0	291.0	293.7	296.3	298.9	298.9	293.7	293.7	291.0	293.7
20°	306.8	309.4	309.4	312.0	314.6	317.3	314.6	312.0	309.4	309.4	309.4
22.5°	330.4	330.4	333.0	333.0	338.2	338.2	338.2	333.0	333.0	333.0	333.0
25°	356.6	356.6	359.2	361.8	367.1	367.1	364.4	359.2	359.2	359.2	361.8
27.5°	388.0	388.0	390.7	390.7	395.9	395.9	393.3	390.7	390.7	390.7	393.3
30°	416.9	416.9	422.1	424.7	427.4	427.4	427.4	422.1	422.1	419.5	419.5
32.5°	443.1	445.7	448.3	456.2	461.5	458.8	461.5	456.2	451.0	448.3	448.3
35°	471.9	474.6	479.8	487.7	495.5	495.5	495.5	487.7	482.4	477.2	479.8
37.5°	506.0	506.0	513.9	521.8	532.2	534.9	532.2	524.4	516.5	511.3	511.3
40°	542.7	542.7	550.6	558.5	571.6	574.2	571.6	561.1	550.6	548.0	548.0
42.5°	579.4	579.4	589.9	597.8	613.5	618.8	613.5	600.4	589.9	582.1	584.7
45°	618.8	621.4	634.5	650.2	668.6	676.5	668.6	652.9	637.1	621.4	621.4
47.5°	663.3	663.3	679.1	697.4	718.4	726.3	715.8	700.1	679.1	666.0	666.0
50°	692.2	694.8	715.8	739.4	765.6	770.8	763.0	739.4	715.8	697.4	694.8
52.5°	721.0	723.6	747.2	781.3	807.5	815.4	804.9	781.3	747.2	723.6	723.6
55°	739.4	744.6	770.8	807.5	836.4	849.5	833.8	807.5	768.2	742.0	739.4
57.5°	742.0	747.2	773.5	818.0	846.9	862.6	849.5	815.4	773.5	744.6	742.0
60°	736.8	739.4	765.6	812.8	846.9	857.4	846.9	810.2	763.0	739.4	734.1
62.5°	723.6	728.9	755.1	794.4	833.8	841.6	831.1	791.8	752.5	723.6	718.4
65°	681.7	686.9	726.3	765.6	799.7	807.5	799.7	765.6	723.6	681.7	676.5
67.5°	634.5	637.1	676.5	723.6	755.1	768.2	755.1	726.3	673.8	634.5	629.3
70°	584.7	587.3	618.8	668.6	700.1	715.8	702.7	671.2	616.1	582.1	579.4
72.5°	527.0	527.0	558.5	597.8	629.3	645.0	634.5	595.2	553.2	519.1	513.9
75°	448.3	451.0	485.1	513.9	548.0	558.5	548.0	516.5	477.2	443.1	437.9
77.5°	367.1	369.7	398.5	422.1	453.6	461.5	453.6	427.4	390.7	361.8	359.2
80°	277.9	280.5	304.1	325.1	351.3	361.8	354.0	327.7	298.9	272.7	264.8
82.5°	180.9	183.5	207.1	222.9	246.5	254.3	249.1	225.5	201.9	175.7	173.0
85°	81.3	83.9	104.9	118.0	136.3	144.2	139.0	118.0	99.6	76.0	70.8
87.5°	7.9	7.9	7.9	7.9	7.9	10.5	10.5	7.9	7.9	7.9	7.9
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)