

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: P823261

Luminaire Tested: **TTN-D0-735-U-CQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823261
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-D0-735-U-CQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1158 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

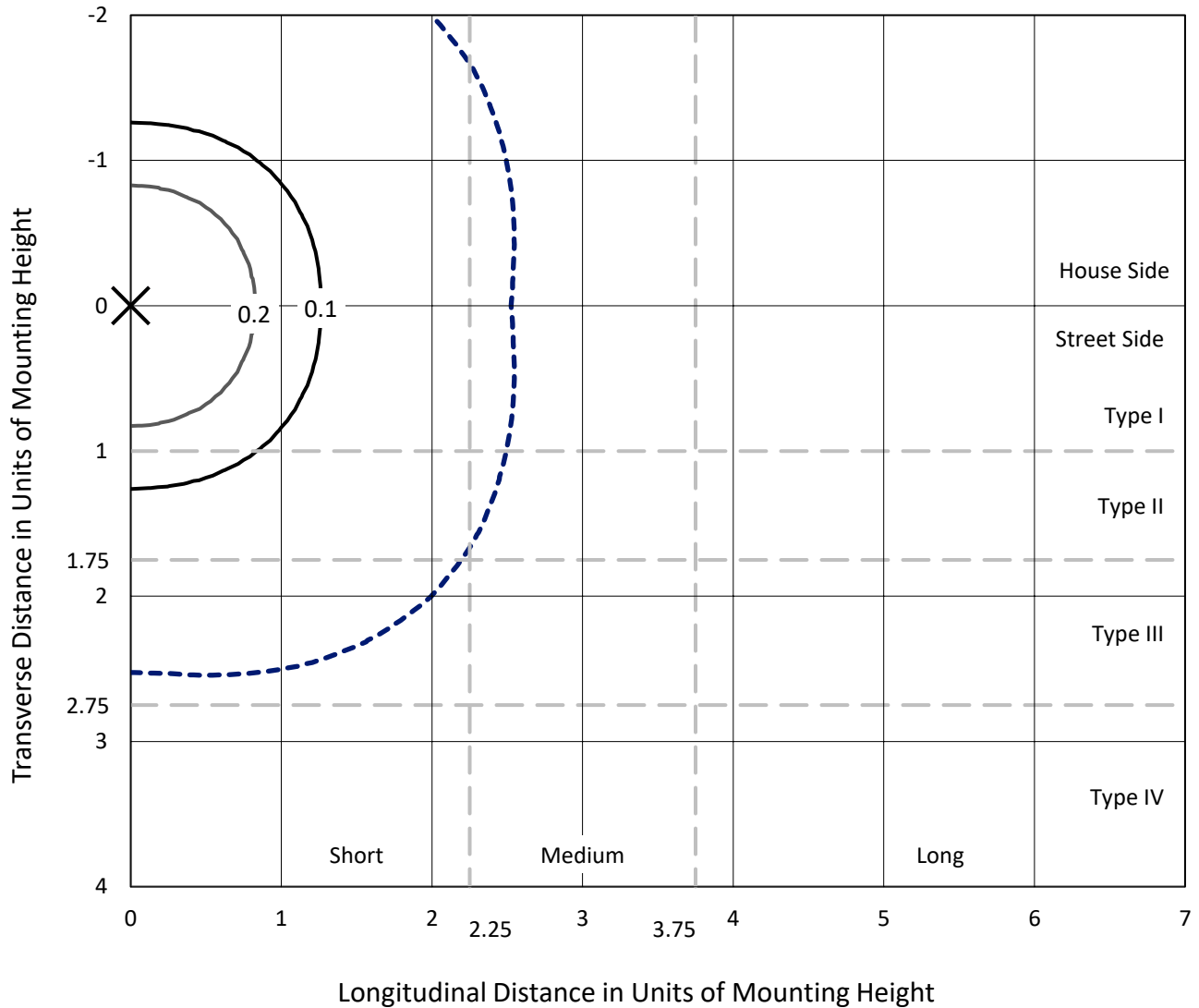
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P823261
 CATALOG NUMBER: TTN-D0-735-U-CQ

Iso-Footcandle Lines of Horizontal Illumination

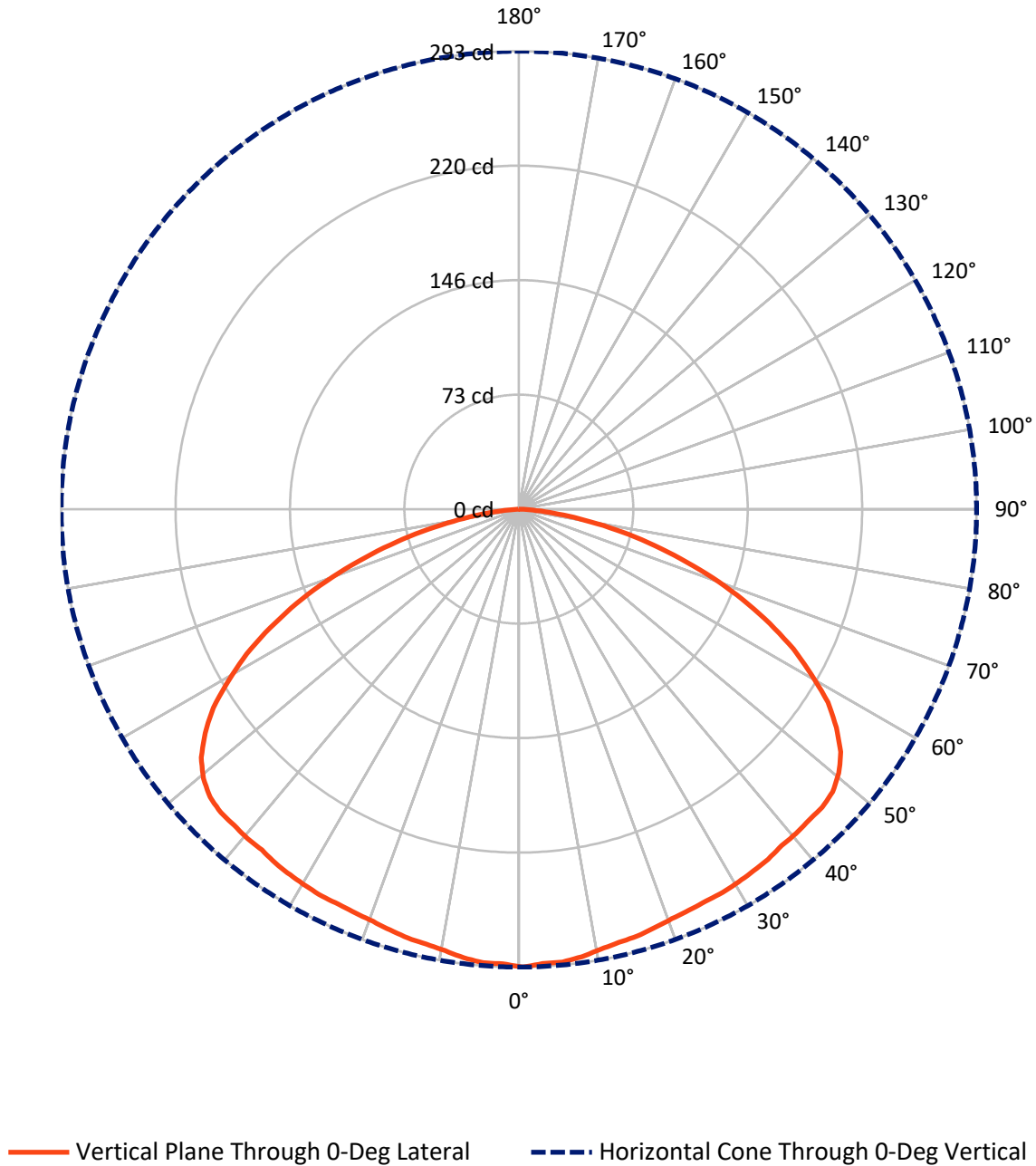
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

REPORT NUMBER: P823261
CATALOG NUMBER: TTN-D0-735-U-CQ

Luminous Intensity Polar Plot



REPORT NUMBER: P823261

CATALOG NUMBER: TTN-D0-735-U-CQ

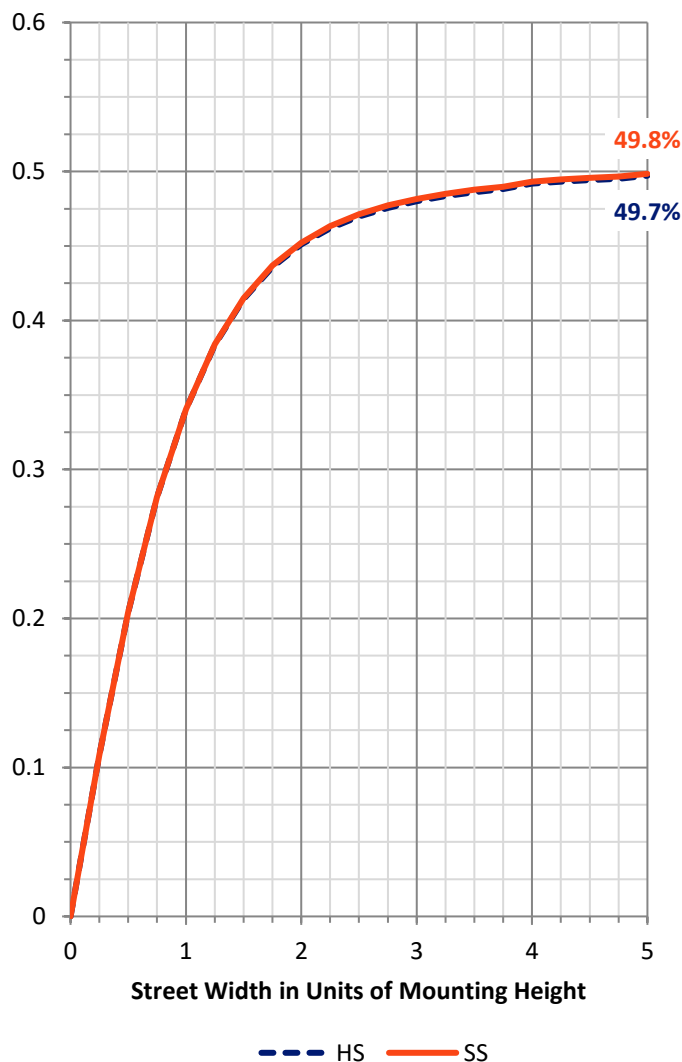
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	579.0	0.0	579.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	579.0	0.0	579.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1158.0	0.0	1158.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	2.4
10°-20°	80.2	6.9
20°-30°	129.1	11.1
30°-40°	173.6	15.0
40°-50°	214.2	18.5
50°-60°	229.8	19.8
60°-70°	186.4	16.1
70°-80°	98.8	8.5
80°-90°	18.3	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°	1158.0	100.0
0°-180°	1158.0	100.0

Coefficient of Utilization



REPORT NUMBER: P823261

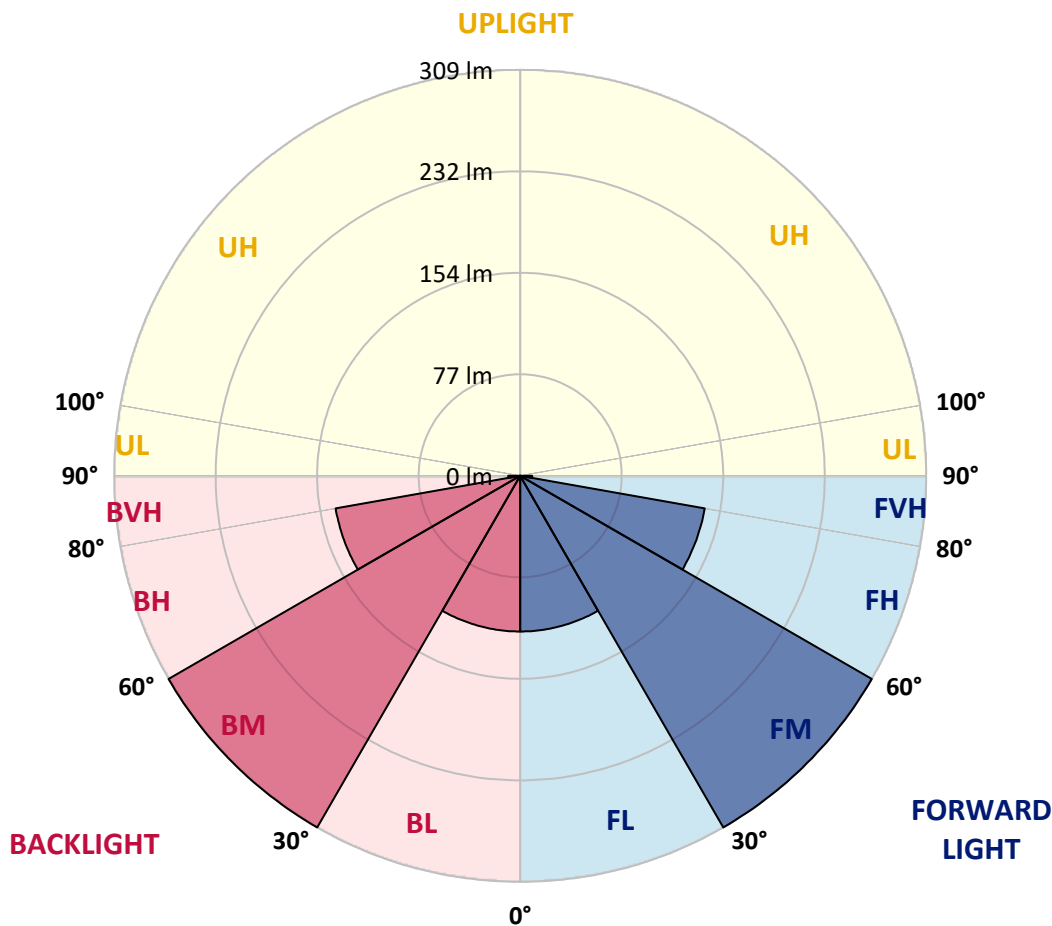
CATALOG NUMBER: TTN-D0-735-U-CQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.4	10.2			
FM (30°-60°)	308.9	26.7			
FH (60°-80°)	142.6	12.3			G0/660
FVH (80°-90°)	9.1	0.8			G0/10
BL (0°-30°)	118.4	10.2	B1/500		
BM (30°-60°)	308.9	26.7	B1/1000		
BH (60°-80°)	142.6	12.3	B1/500		G0/660
BVH (80°-90°)	9.1	0.8			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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 CATALOG NUMBER: TTN-D0-735-U-CQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8	292.8
2.5°	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	290.9	291.9
5°	290.9	290.9	290.9	290.9	290.0	290.9	290.9	290.9	290.9	290.9	290.9
7.5°	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0
10°	286.2	286.2	286.2	286.2	286.2	286.2	286.2	286.2	286.2	286.2	286.2
12.5°	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3
15°	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	283.3	282.4	282.4
17.5°	281.4	281.4	281.4	281.4	282.4	282.4	282.4	281.4	281.4	281.4	281.4
20°	279.6	279.6	279.6	280.5	280.5	280.5	280.5	280.5	279.6	279.6	279.6
22.5°	278.6	278.6	278.6	278.6	279.6	279.6	279.6	279.6	278.6	278.6	278.6
25°	277.7	277.7	278.6	278.6	279.6	279.6	279.6	278.6	278.6	277.7	277.7
27.5°	277.7	277.7	278.6	278.6	279.6	279.6	279.6	279.6	278.6	277.7	277.7
30°	276.7	277.7	277.7	278.6	279.6	279.6	279.6	278.6	277.7	276.7	276.7
32.5°	275.8	275.8	276.7	277.7	278.6	278.6	278.6	277.7	276.7	275.8	274.8
35°	274.8	274.8	274.8	276.7	277.7	277.7	277.7	276.7	274.8	273.9	273.9
37.5°	272.9	273.9	274.8	275.8	277.7	277.7	277.7	275.8	273.9	272.9	272.0
40°	272.9	272.9	274.8	275.8	278.6	278.6	277.7	275.8	273.9	272.0	271.0
42.5°	272.0	272.9	274.8	277.7	280.5	280.5	279.6	276.7	273.9	272.0	271.0
45°	272.0	272.0	274.8	278.6	282.4	283.3	281.4	278.6	274.8	271.0	271.0
47.5°	270.1	270.1	273.9	278.6	283.3	284.3	283.3	278.6	273.9	271.0	270.1
50°	265.3	265.3	270.1	275.8	281.4	283.3	281.4	277.7	271.0	267.2	266.3
52.5°	257.8	257.8	262.5	270.1	275.8	278.6	276.7	272.0	265.3	259.6	258.7
55°	246.4	247.3	252.1	260.6	267.2	270.1	268.2	262.5	254.9	249.2	247.3
57.5°	233.1	233.1	239.7	248.3	254.9	257.8	255.9	250.2	241.6	236.0	234.1
60°	215.1	216.1	221.7	233.1	239.7	242.6	240.7	234.1	224.6	218.0	216.1
62.5°	197.1	198.1	203.7	213.2	220.8	222.7	220.8	214.2	205.6	199.0	197.1
65°	176.3	177.2	183.8	192.4	198.1	200.9	198.1	192.4	184.8	178.2	177.2
67.5°	154.5	155.4	162.0	169.6	175.3	177.2	174.4	169.6	162.0	156.4	154.5
70°	131.7	132.7	138.4	145.0	149.7	151.6	149.7	144.0	138.4	132.7	131.7
72.5°	108.0	109.0	114.7	120.3	124.1	126.0	123.2	119.4	113.7	109.0	108.0
75°	85.3	85.3	90.0	94.8	98.6	99.5	97.6	94.8	90.0	86.2	84.3
77.5°	63.5	63.5	68.2	71.1	73.0	74.9	73.0	70.1	67.3	63.5	63.5
80°	42.6	42.6	46.4	48.3	50.2	51.2	50.2	48.3	46.4	43.6	42.6
82.5°	25.6	25.6	27.5	29.4	29.4	30.3	30.3	29.4	27.5	25.6	25.6
85°	11.4	10.4	12.3	13.3	13.3	14.2	14.2	13.3	12.3	11.4	11.4
87.5°	0.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	1.9	1.9	1.9
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)