

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: P832563

Luminaire Tested: **TTN-D1-735-U-RW-CG**

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D1-735-U-RW-CG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION WITH CLEAR GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2913 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

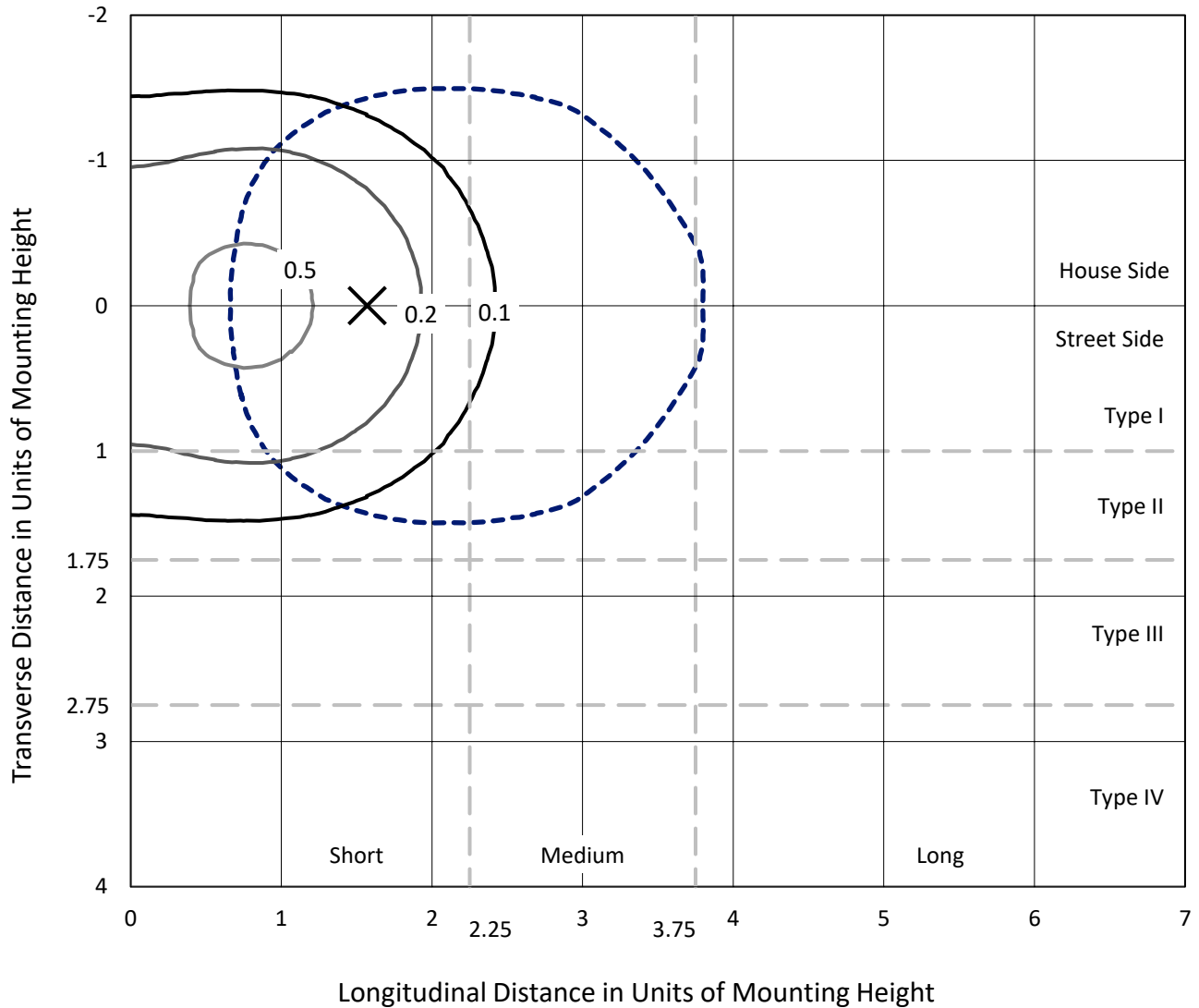
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P832563
 CATALOG NUMBER: TTN-D1-735-U-RW-CG

Iso-Footcandle Lines of Horizontal Illumination

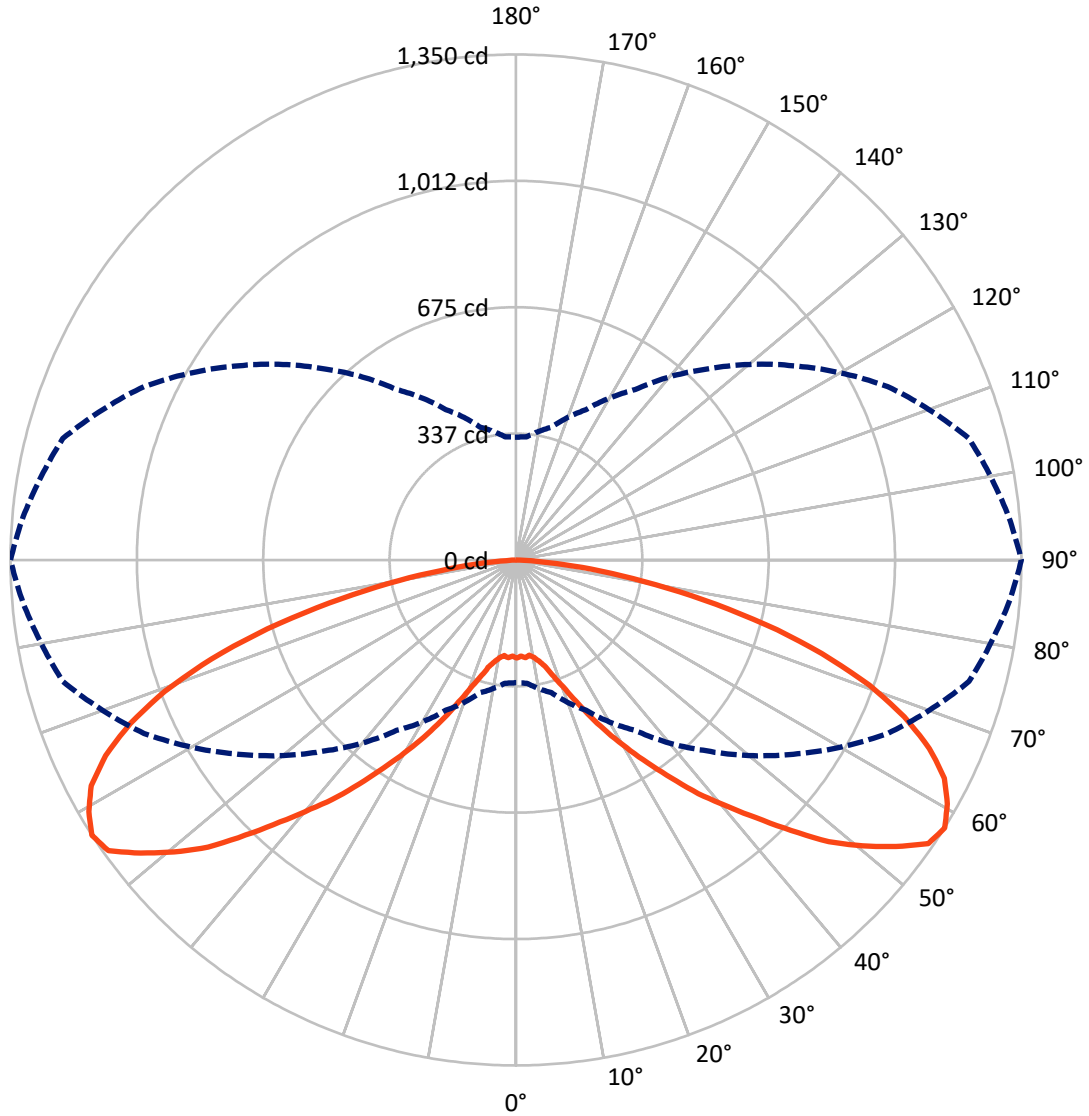
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type II - Short - N/A

REPORT NUMBER: P832563
CATALOG NUMBER: TTN-D1-735-U-RW-CG

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P832563

CATALOG NUMBER: TTN-D1-735-U-RW-CG

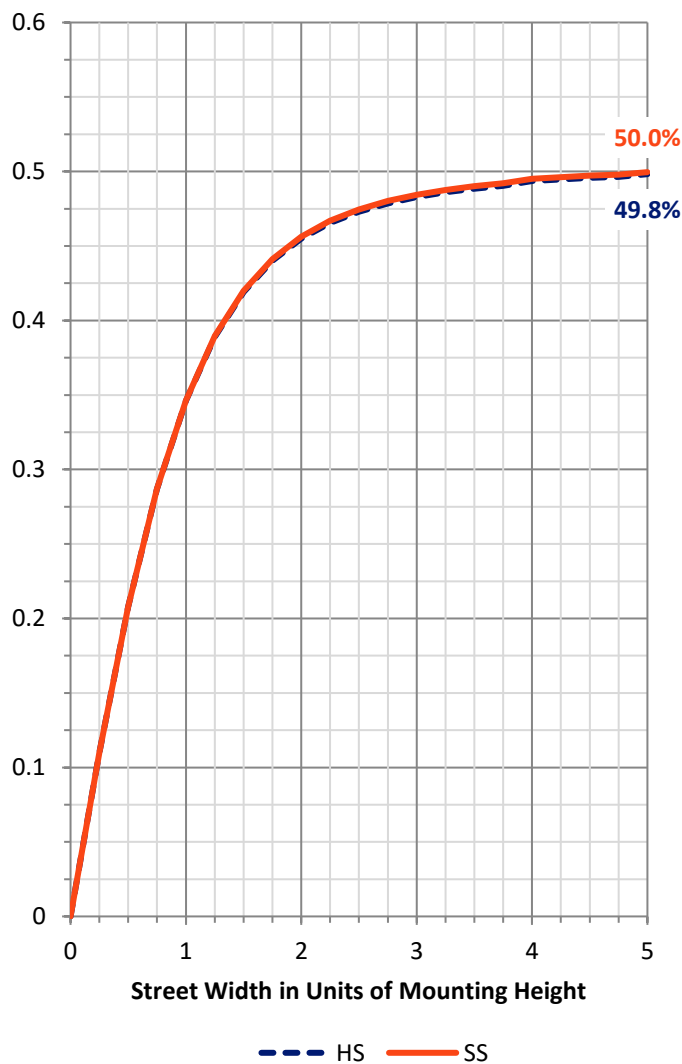
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1456.5	0.0	1456.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1456.5	0.0	1456.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2913.0	0.0	2913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	0.9
10°-20°	80.5	2.8
20°-30°	171.3	5.9
30°-40°	315.7	10.8
40°-50°	508.4	17.5
50°-60°	688.1	23.6
60°-70°	669.0	23.0
70°-80°	389.2	13.4
80°-90°	65.8	2.3
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°	2913.0	100.0
0°-180°	2913.0	100.0

Coefficient of Utilization



REPORT NUMBER: P832563

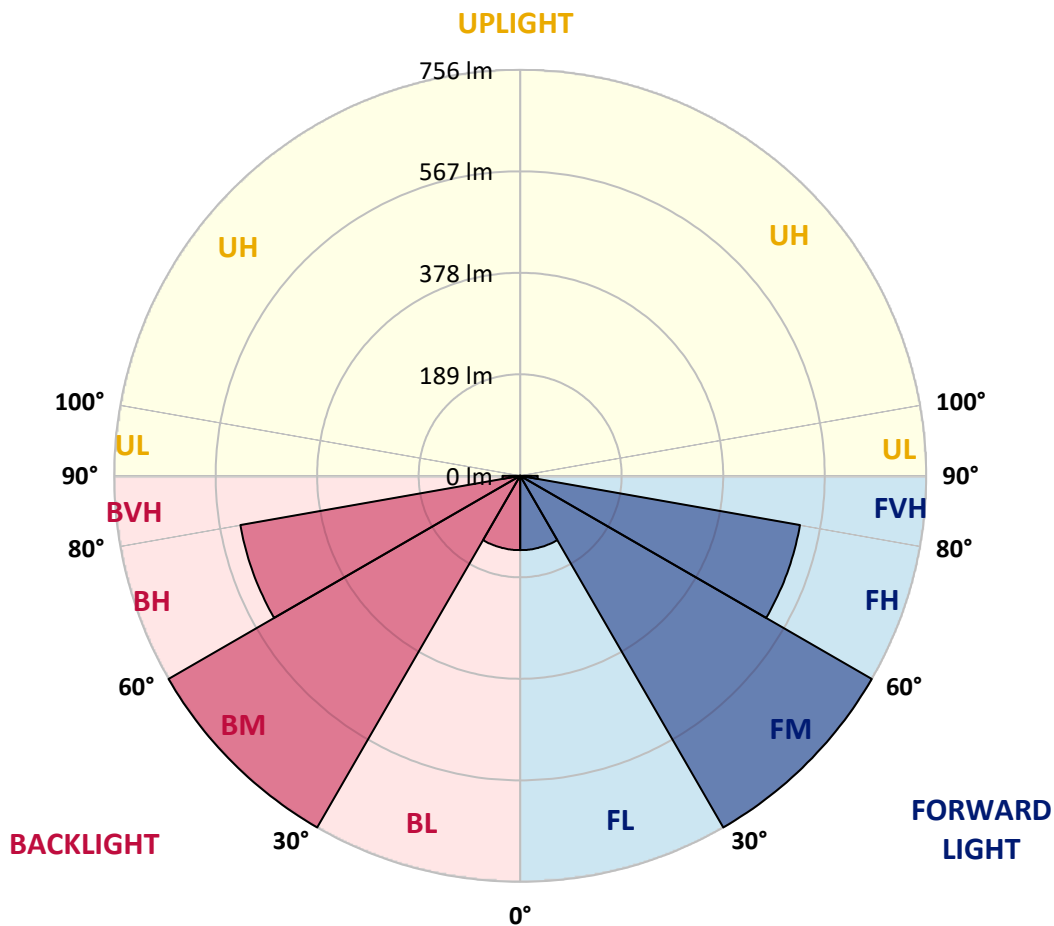
CATALOG NUMBER: TTN-D1-735-U-RW-CG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.4	4.8			
FM (30°-60°)	756.1	26.0			
FH (60°-80°)	529.1	18.2			G0/660
FVH (80°-90°)	32.9	1.1			G1/100
BL (0°-30°)	138.4	4.8	B1/500		
BM (30°-60°)	756.1	26.0	B1/1000		
BH (60°-80°)	529.1	18.2	B2/1000		G2/1000
BVH (80°-90°)	32.9	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P832563
 CATALOG NUMBER: TTN-D1-735-U-RW-CG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
2.5°	262.1	262.1	262.1	262.1	259.5	259.5	259.5	256.9	256.9	256.9	256.9
5°	262.1	262.1	262.1	264.7	264.7	264.7	262.1	262.1	262.1	262.1	262.1
7.5°	262.1	264.7	264.7	262.1	262.1	259.5	259.5	259.5	256.9	256.9	256.9
10°	262.1	262.1	262.1	262.1	259.5	259.5	262.1	262.1	264.7	264.7	264.7
12.5°	259.5	259.5	262.1	262.1	262.1	264.7	270.0	272.6	275.2	277.8	277.8
15°	262.1	262.1	264.7	267.3	270.0	275.2	283.1	290.9	296.2	298.8	296.2
17.5°	262.1	264.7	267.3	272.6	280.4	288.3	301.4	311.9	322.4	325.0	327.6
20°	267.3	267.3	270.0	280.4	293.5	306.7	325.0	343.3	356.4	361.7	361.7
22.5°	270.0	272.6	275.2	288.3	309.3	330.2	356.4	377.4	395.8	406.2	408.9
25°	277.8	277.8	283.1	301.4	327.6	359.1	393.1	424.6	448.2	461.3	463.9
27.5°	283.1	285.7	293.5	317.1	351.2	390.5	437.7	474.4	503.2	518.9	521.6
30°	288.3	290.9	306.7	332.9	374.8	422.0	477.0	524.2	560.9	579.2	581.9
32.5°	296.2	298.8	317.1	346.0	395.8	453.4	516.3	574.0	626.4	642.1	644.8
35°	304.0	306.7	327.6	361.7	419.4	484.9	558.3	626.4	689.3	710.3	715.5
37.5°	311.9	314.5	335.5	377.4	442.9	518.9	605.4	686.7	754.8	783.7	791.5
40°	319.8	322.4	346.0	393.1	466.5	555.6	655.2	744.4	823.0	857.1	862.3
42.5°	325.0	327.6	353.8	406.2	490.1	589.7	707.7	807.3	891.1	935.7	940.9
45°	332.9	335.5	364.3	424.6	511.1	629.0	757.5	878.0	975.0	1024.8	1030.0
47.5°	338.1	340.7	372.2	435.1	534.7	665.7	809.9	940.9	1056.2	1108.7	1124.4
50°	340.7	343.3	377.4	445.6	550.4	691.9	851.8	1003.8	1127.0	1192.5	1200.4
52.5°	340.7	346.0	380.0	453.4	560.9	715.5	885.9	1056.2	1195.2	1268.5	1271.2
55°	338.1	340.7	377.4	450.8	566.1	726.0	909.5	1087.7	1242.3	1313.1	1336.7
57.5°	327.6	330.2	366.9	442.9	555.6	720.8	904.2	1095.6	1252.8	1321.0	1349.8
60°	311.9	317.1	351.2	424.6	539.9	702.4	888.5	1079.8	1237.1	1321.0	1323.6
62.5°	293.5	296.2	330.2	401.0	516.3	673.6	859.7	1048.4	1200.4	1286.9	1284.3
65°	267.3	270.0	298.8	372.2	474.4	618.5	802.0	998.6	1129.6	1221.4	1213.5
67.5°	238.5	241.1	267.3	332.9	424.6	558.3	723.4	914.7	1030.0	1124.4	1119.1
70°	207.1	207.1	230.6	285.7	372.2	490.1	636.9	804.6	920.0	998.6	1001.2
72.5°	170.4	170.4	191.3	238.5	311.9	411.5	537.3	686.7	781.0	849.2	854.4
75°	133.7	131.0	149.4	188.7	246.4	327.6	424.6	553.0	626.4	691.9	689.3
77.5°	94.4	94.4	104.8	136.3	178.2	243.7	314.5	416.7	466.5	521.6	511.1
80°	60.3	60.3	65.5	89.1	117.9	162.5	207.1	283.1	317.1	359.1	346.0
82.5°	31.5	28.8	34.1	47.2	62.9	89.1	115.3	165.1	180.8	212.3	201.8
85°	10.5	10.5	10.5	15.7	23.6	34.1	44.6	70.8	73.4	94.4	86.5
87.5°	2.6	0.0	0.0	2.6	2.6	2.6	2.6	7.9	7.9	15.7	10.5
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)