

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: P823264

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

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-10)
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-RW
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1123 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

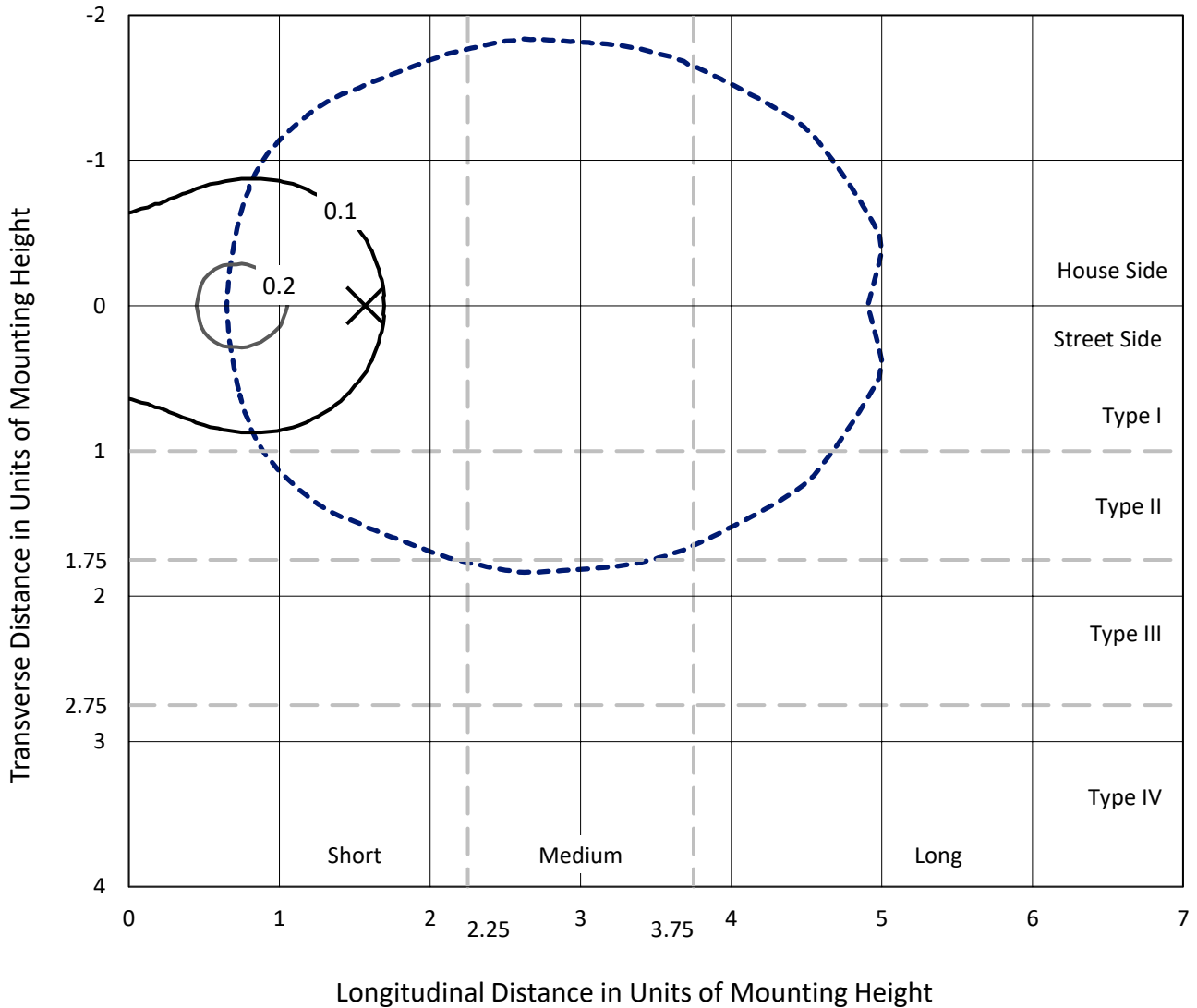
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

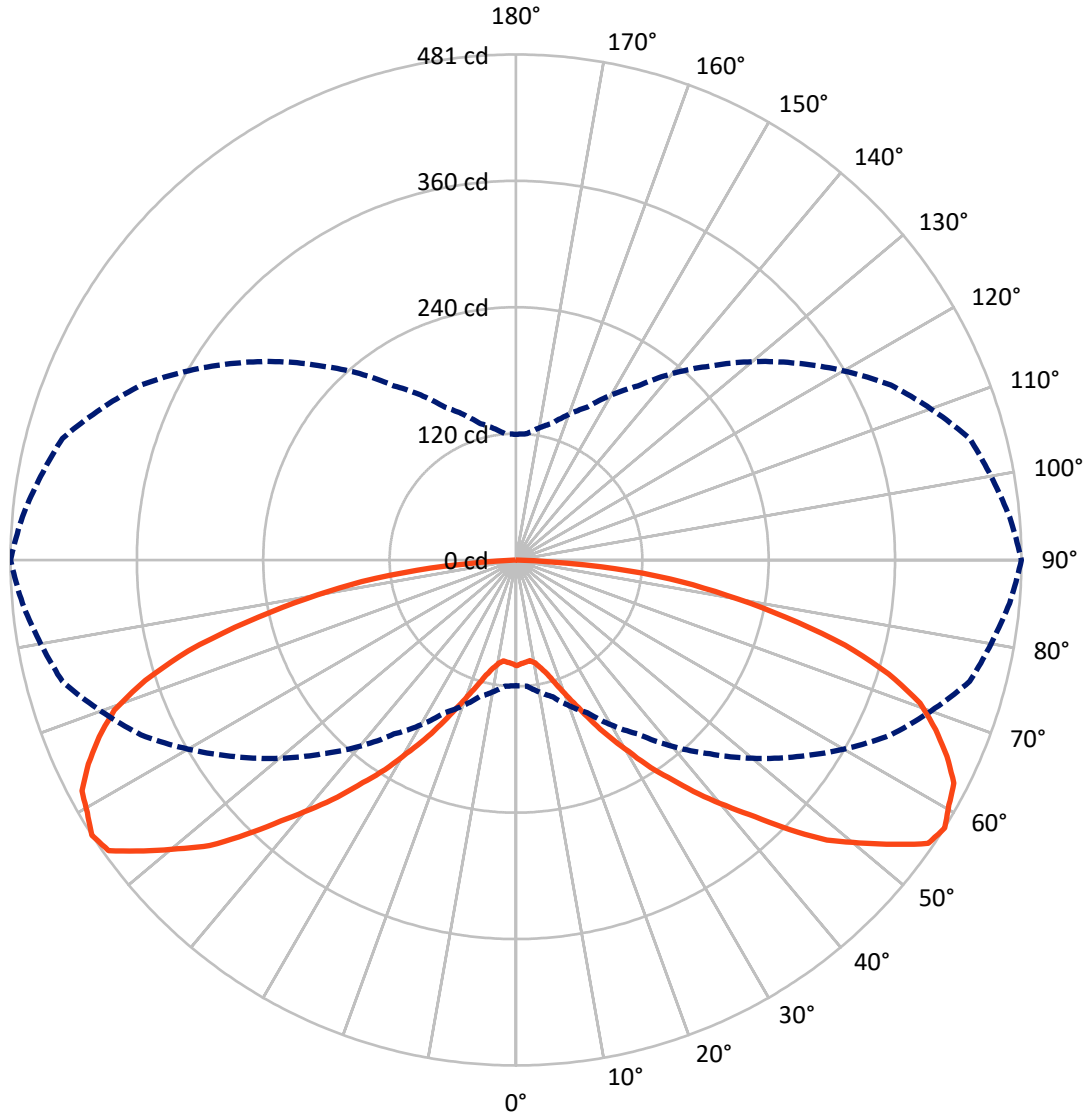
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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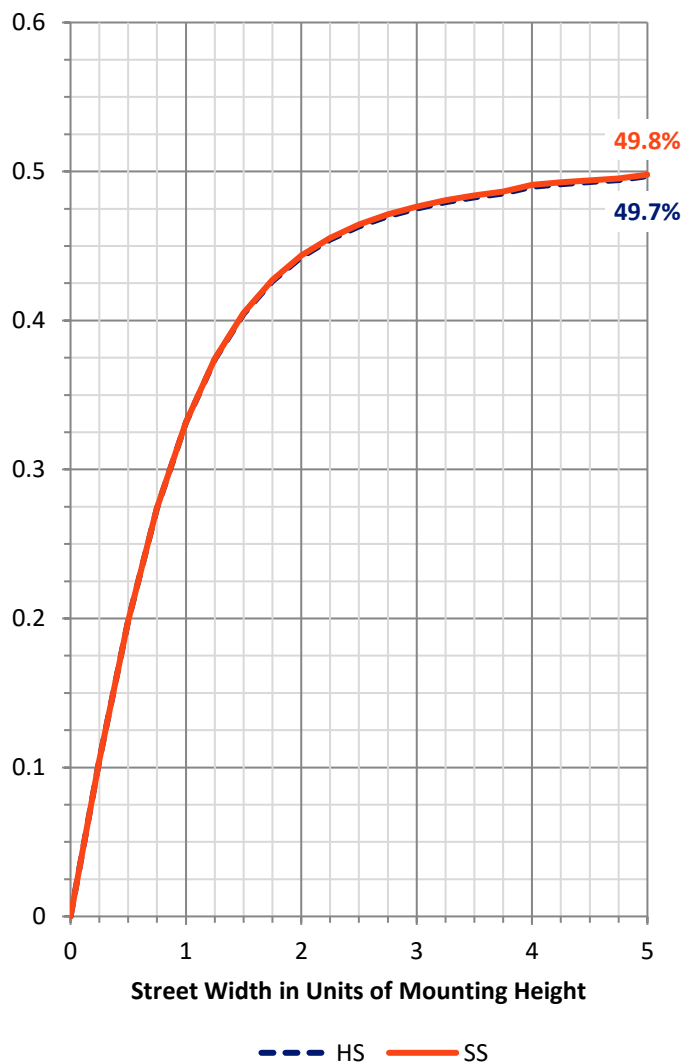
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	561.5	0.0	561.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	561.5	0.0	561.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1123.0	0.0	1123.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	0.8
10°-20°	30.1	2.7
20°-30°	62.8	5.6
30°-40°	112.7	10.0
40°-50°	180.1	16.0
50°-60°	246.5	22.0
60°-70°	254.3	22.6
70°-80°	180.8	16.1
80°-90°	46.3	4.1
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°	1123.0	100.0
0°-180°	1123.0	100.0

Coefficient of Utilization



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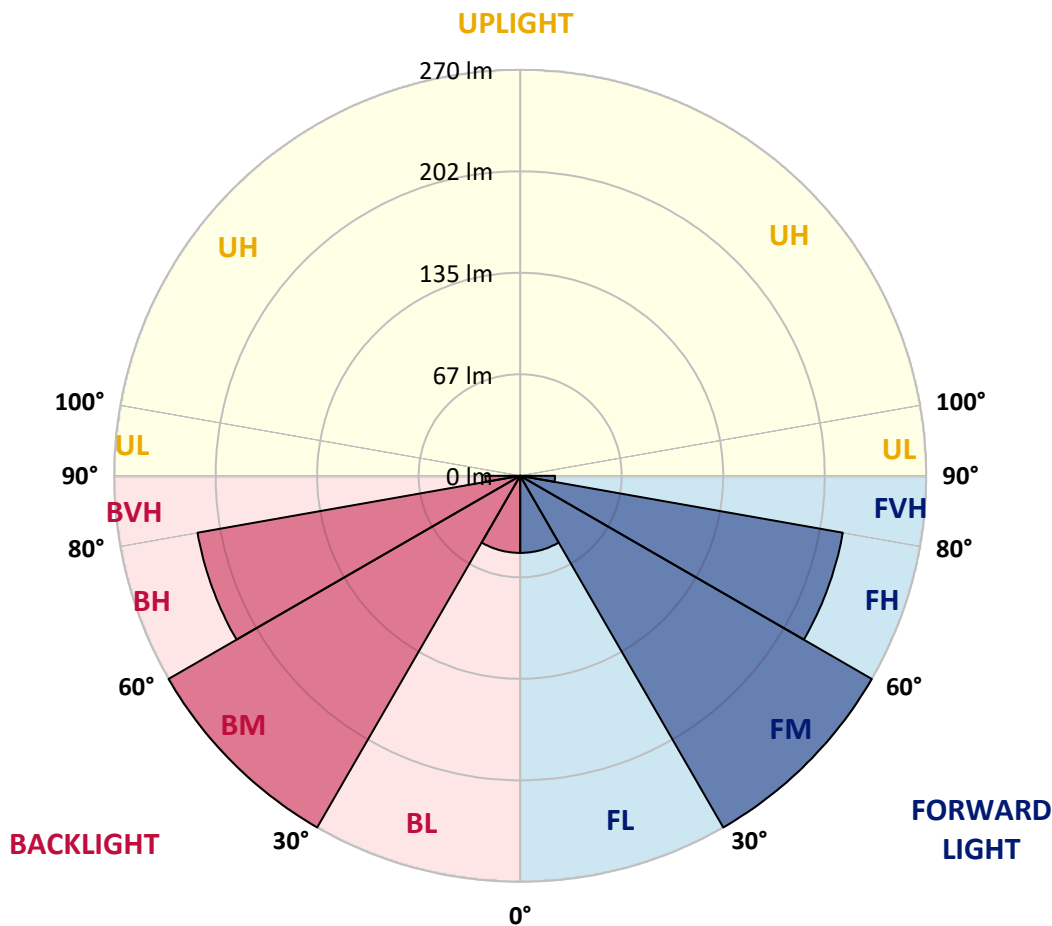
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	51.2	4.6			
FM (30°-60°)	269.6	24.0			
FH (60°-80°)	217.5	19.4			G0/660
FVH (80°-90°)	23.1	2.1			G1/100
BL (0°-30°)	51.2	4.6	B0/110		
BM (30°-60°)	269.6	24.0	B1/1000		
BH (60°-80°)	217.5	19.4	B1/500		G1/500
BVH (80°-90°)	23.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5
2.5°	100.5	100.5	99.5	99.5	99.5	98.6	98.6	98.6	98.6	97.6	98.6
5°	100.5	100.5	100.5	100.5	99.5	98.6	98.6	98.6	97.6	97.6	97.6
7.5°	99.5	99.5	99.5	99.5	98.6	97.6	97.6	97.6	96.7	96.7	96.7
10°	98.6	99.5	98.6	98.6	97.6	97.6	98.6	98.6	99.5	99.5	99.5
12.5°	97.6	97.6	97.6	98.6	98.6	99.5	101.4	103.3	104.2	105.2	105.2
15°	97.6	97.6	98.6	99.5	101.4	103.3	106.1	109.0	110.9	112.8	112.8
17.5°	97.6	97.6	98.6	101.4	104.2	108.0	112.8	116.6	120.4	123.2	124.1
20°	97.6	97.6	99.5	103.3	109.0	114.7	121.3	127.0	132.7	137.4	137.4
22.5°	98.6	99.5	101.4	106.1	114.7	123.2	131.7	140.3	146.9	152.6	152.6
25°	100.5	100.5	103.3	110.9	121.3	132.7	145.0	155.4	164.0	171.5	171.5
27.5°	101.4	102.4	106.1	115.6	128.9	143.1	160.2	172.5	183.9	190.5	191.4
30°	103.3	104.2	109.9	119.4	135.5	153.5	173.4	190.5	202.8	209.4	211.3
32.5°	104.2	105.2	112.8	124.1	142.2	163.0	185.8	207.5	224.6	232.2	235.0
35°	107.1	108.0	115.6	128.9	149.7	173.4	200.0	225.6	245.5	254.9	256.8
37.5°	109.9	110.9	118.5	133.6	157.3	184.8	215.1	244.5	267.3	278.6	282.4
40°	111.8	112.8	121.3	139.3	165.8	197.1	232.2	264.4	290.0	304.2	307.1
42.5°	114.7	115.6	125.1	144.1	173.4	209.4	250.2	286.2	313.7	329.8	333.6
45°	117.5	118.5	128.9	149.7	182.0	222.7	268.2	311.8	343.1	362.0	365.8
47.5°	120.4	121.3	132.7	155.4	190.5	236.0	287.2	334.5	372.4	390.5	398.0
50°	121.3	123.2	134.6	159.2	196.2	247.4	303.3	357.3	397.1	420.8	422.7
52.5°	122.3	124.1	136.5	162.1	200.9	255.9	316.5	376.2	422.7	451.1	449.2
55°	123.2	123.2	136.5	162.1	202.8	261.6	326.0	388.6	439.7	462.5	475.7
57.5°	119.4	120.4	134.6	160.2	201.9	260.6	326.0	393.3	446.4	471.0	480.5
60°	114.7	116.6	129.8	155.4	198.1	257.8	324.1	391.4	449.2	475.7	472.9
62.5°	108.0	111.8	123.2	148.8	192.4	251.1	321.3	386.7	442.6	470.1	467.2
65°	100.5	104.2	114.7	142.2	180.1	235.0	306.1	377.2	424.6	455.8	450.2
67.5°	92.9	95.7	106.1	130.8	165.8	218.0	286.2	356.3	399.0	433.1	430.3
70°	84.3	85.3	95.7	117.5	151.6	200.9	267.3	327.0	376.2	401.8	407.5
72.5°	73.9	73.9	84.3	103.3	134.6	178.2	241.7	293.8	340.2	362.0	370.6
75°	60.7	61.6	70.1	87.2	112.8	152.6	205.7	258.7	297.6	320.3	323.2
77.5°	47.4	48.3	55.0	69.2	91.0	123.2	169.6	211.3	248.3	268.2	262.5
80°	34.1	35.1	39.8	50.2	67.3	91.9	130.8	167.7	194.3	210.4	202.8
82.5°	20.8	21.8	24.6	31.3	42.6	59.7	89.1	116.6	137.4	150.7	147.8
85°	10.4	10.4	12.3	14.2	18.0	26.5	42.6	58.8	74.9	84.3	81.5
87.5°	1.9	2.8	2.8	2.8	2.8	1.9	2.8	2.8	2.8	4.7	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)