

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: P832529

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

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D0-830-U-WQ-CG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3000K, 80 CRI LEDS AND WIDE DISTRIBUTION WITH CLEAR GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1034 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

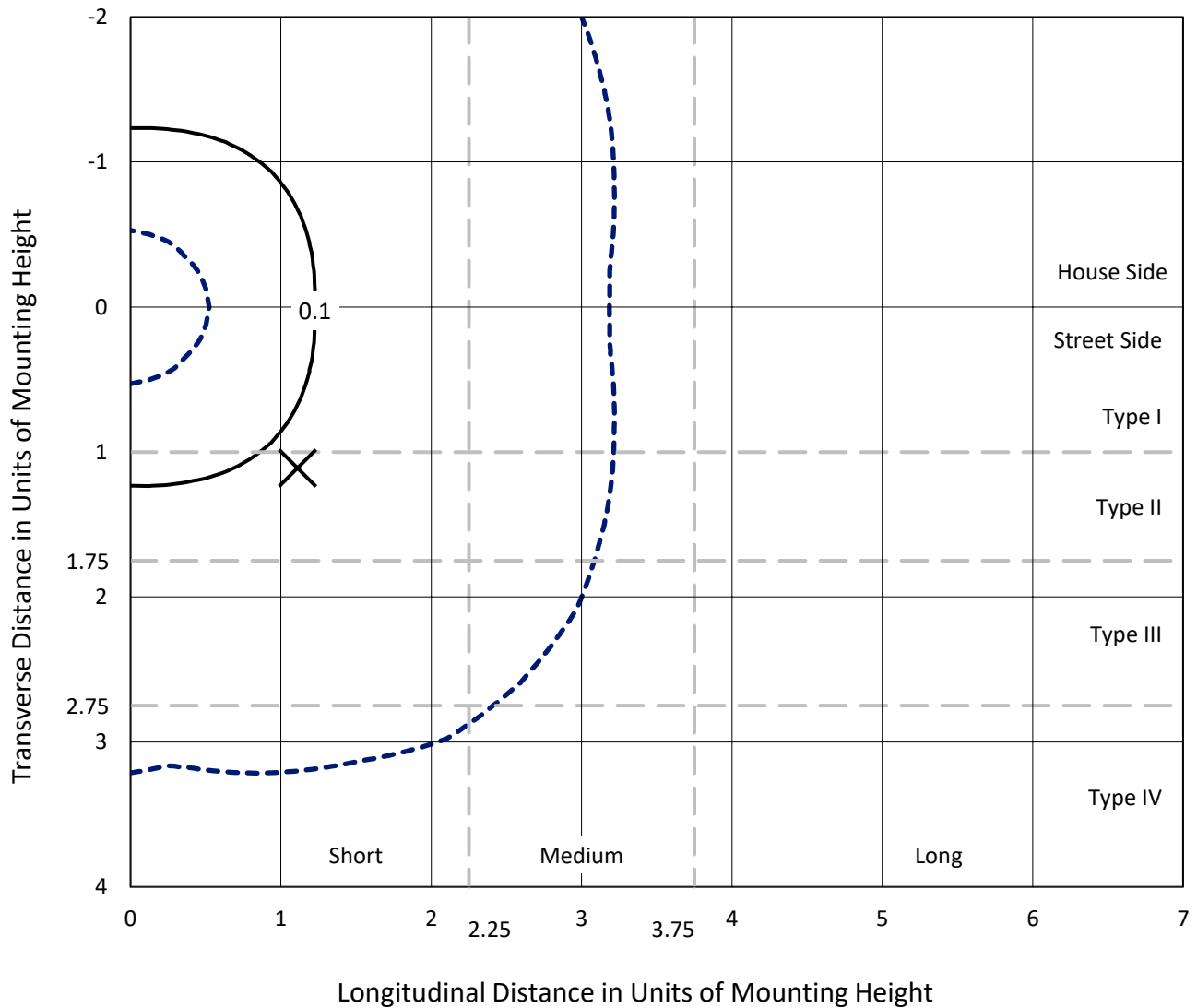
Input Watts (W): 10.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

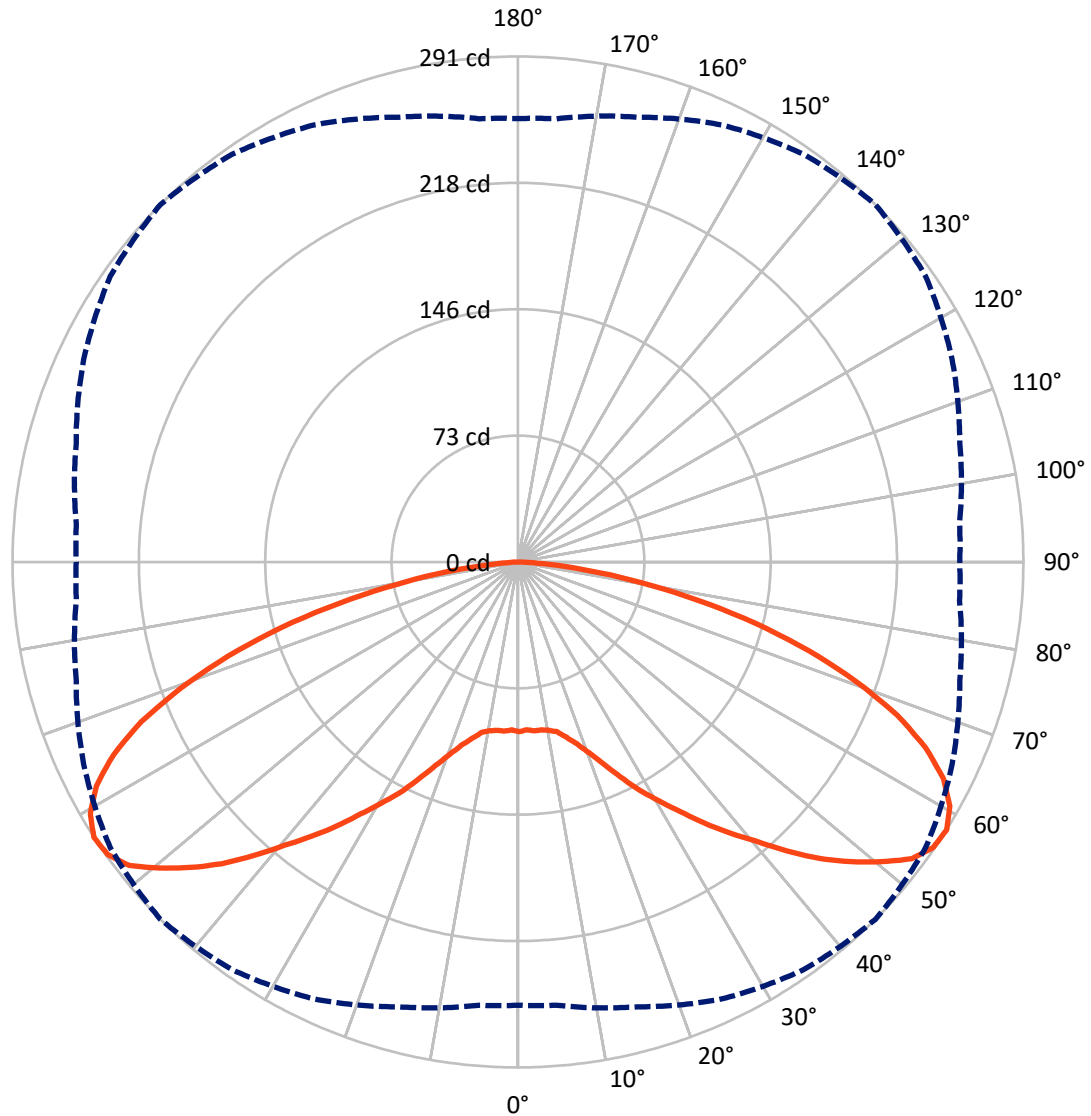
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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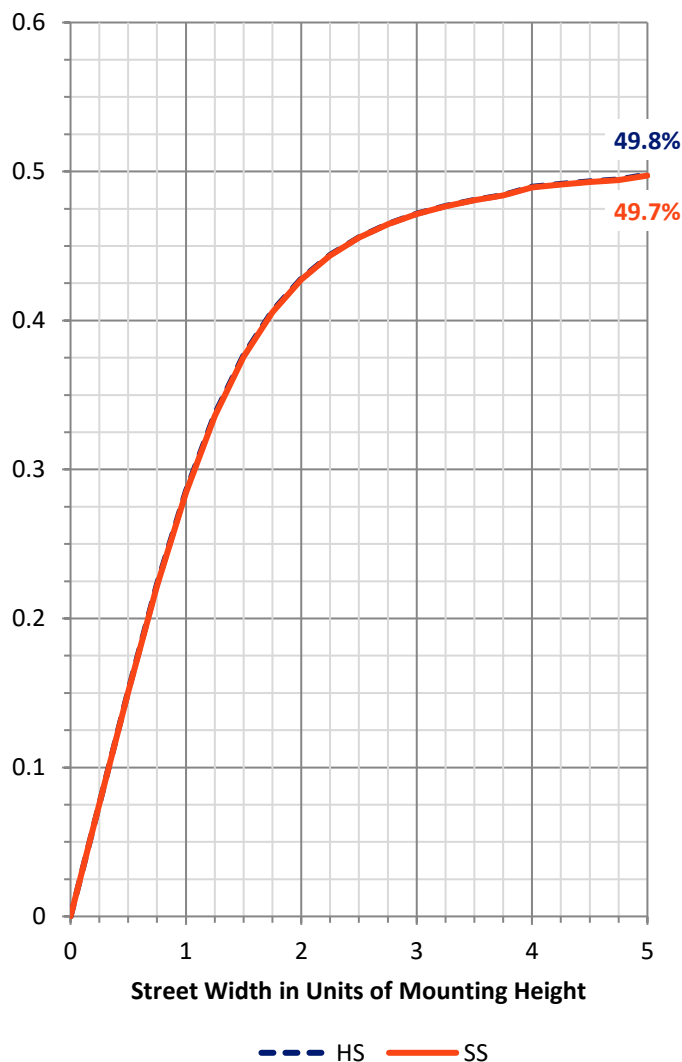
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.0	0.0	517.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	517.0	0.0	517.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1034.0	0.0	1034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.9
10°-20°	30.1	2.9
20°-30°	63.4	6.1
30°-40°	114.2	11.0
40°-50°	181.6	17.6
50°-60°	242.3	23.4
60°-70°	234.1	22.6
70°-80°	135.6	13.1
80°-90°	23.4	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°	1034.0	100.0
0°-180°	1034.0	100.0

Coefficient of Utilization



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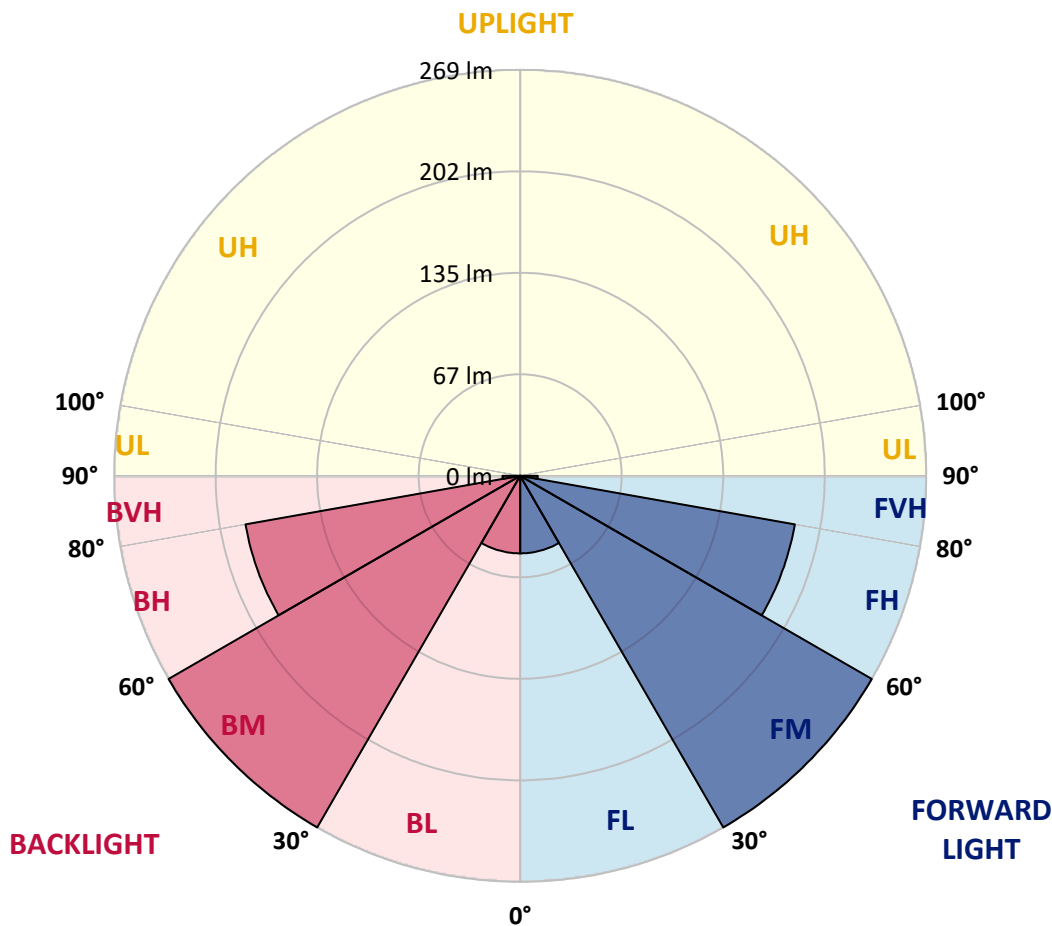
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	51.4	5.0			
FM (30°-60°)	269.1	26.0			
FH (60°-80°)	184.9	17.9			G0/660
FVH (80°-90°)	11.7	1.1			G1/100
BL (0°-30°)	51.4	5.0	B0/110		
BM (30°-60°)	269.1	26.0	B1/1000		
BH (60°-80°)	184.9	17.9	B1/500		G0/660
BVH (80°-90°)	11.7	1.1			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
5°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
7.5°	96.8	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	96.8	96.8
10°	97.7	97.7	97.7	98.6	98.6	98.6	98.6	98.6	97.7	97.7	97.7
12.5°	99.5	99.5	100.4	100.4	100.4	100.4	100.4	100.4	100.4	99.5	99.5
15°	104.0	104.0	104.0	104.8	104.8	104.8	104.8	104.8	104.0	104.0	104.0
17.5°	108.4	108.4	109.3	109.3	110.2	110.2	110.2	109.3	109.3	109.3	109.3
20°	114.7	114.7	115.6	115.6	116.5	117.4	117.4	116.5	115.6	115.6	115.6
22.5°	122.8	123.7	123.7	123.7	124.6	126.4	125.5	124.6	123.7	123.7	123.7
25°	132.6	133.5	134.4	134.4	135.3	137.1	137.1	134.4	134.4	134.4	134.4
27.5°	144.3	145.2	146.1	146.1	147.0	148.8	147.9	146.1	146.1	145.2	145.2
30°	155.0	155.9	156.8	157.7	158.6	159.5	159.5	157.7	156.8	155.9	155.0
32.5°	165.8	165.8	167.6	169.4	171.2	171.2	172.1	169.4	167.6	165.8	164.9
35°	176.5	177.4	178.3	181.0	183.7	184.6	183.7	181.0	178.3	176.5	176.5
37.5°	188.2	189.1	190.0	193.6	196.3	198.0	196.3	193.6	190.0	188.2	187.3
40°	200.7	201.6	202.5	207.0	209.7	211.5	208.8	206.1	202.5	200.7	199.8
42.5°	212.4	214.2	216.0	221.3	225.8	227.6	224.9	220.5	216.9	212.4	211.5
45°	226.7	228.5	231.2	236.6	241.1	243.7	240.2	235.7	230.3	226.7	225.8
47.5°	238.4	240.2	242.9	250.0	256.3	258.1	254.5	249.1	242.0	237.5	236.6
50°	247.3	249.1	254.5	262.6	269.7	271.5	267.9	260.8	252.7	246.4	245.5
52.5°	254.5	256.3	262.6	273.3	281.4	284.1	279.6	271.5	260.8	253.6	252.7
55°	258.1	259.0	267.0	278.7	286.8	290.3	285.9	276.9	265.3	257.2	256.3
57.5°	255.4	256.3	265.3	277.8	286.8	291.2	286.8	276.0	263.5	255.4	254.5
60°	250.0	250.0	258.1	272.4	283.2	285.9	281.4	270.6	257.2	249.1	248.2
62.5°	240.2	239.3	249.1	261.7	272.4	275.1	271.5	260.8	247.3	239.3	238.4
65°	221.3	219.6	233.9	245.5	255.4	258.1	255.4	245.5	233.0	220.5	218.7
67.5°	198.9	196.3	209.7	223.1	232.1	235.7	232.1	224.0	209.7	197.2	196.3
70°	175.6	173.0	183.7	195.4	205.2	207.0	203.4	195.4	181.9	173.9	173.9
72.5°	147.9	145.2	155.0	164.0	173.9	175.6	172.1	164.9	155.0	147.0	146.1
75°	117.4	114.7	123.7	130.8	140.7	141.6	139.8	131.7	123.7	115.6	115.6
77.5°	86.9	84.2	91.4	97.7	105.7	105.7	104.8	98.6	91.4	86.0	86.0
80°	57.4	55.6	61.8	64.5	71.7	71.7	70.8	66.3	60.9	57.4	56.5
82.5°	32.3	30.5	35.8	36.7	42.1	42.1	41.2	37.6	34.1	31.4	31.4
85°	12.5	10.8	14.3	15.2	17.9	17.9	17.0	16.1	13.4	11.6	11.6
87.5°	0.9	0.9	1.8	1.8	2.7	2.7	2.7	1.8	1.8	0.9	0.9
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)