

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: P832568

Luminaire Tested: **TTN-D1-740-U-RW-CG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832568  
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-D1-740-U-RW-CG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION WITH CLEAR GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

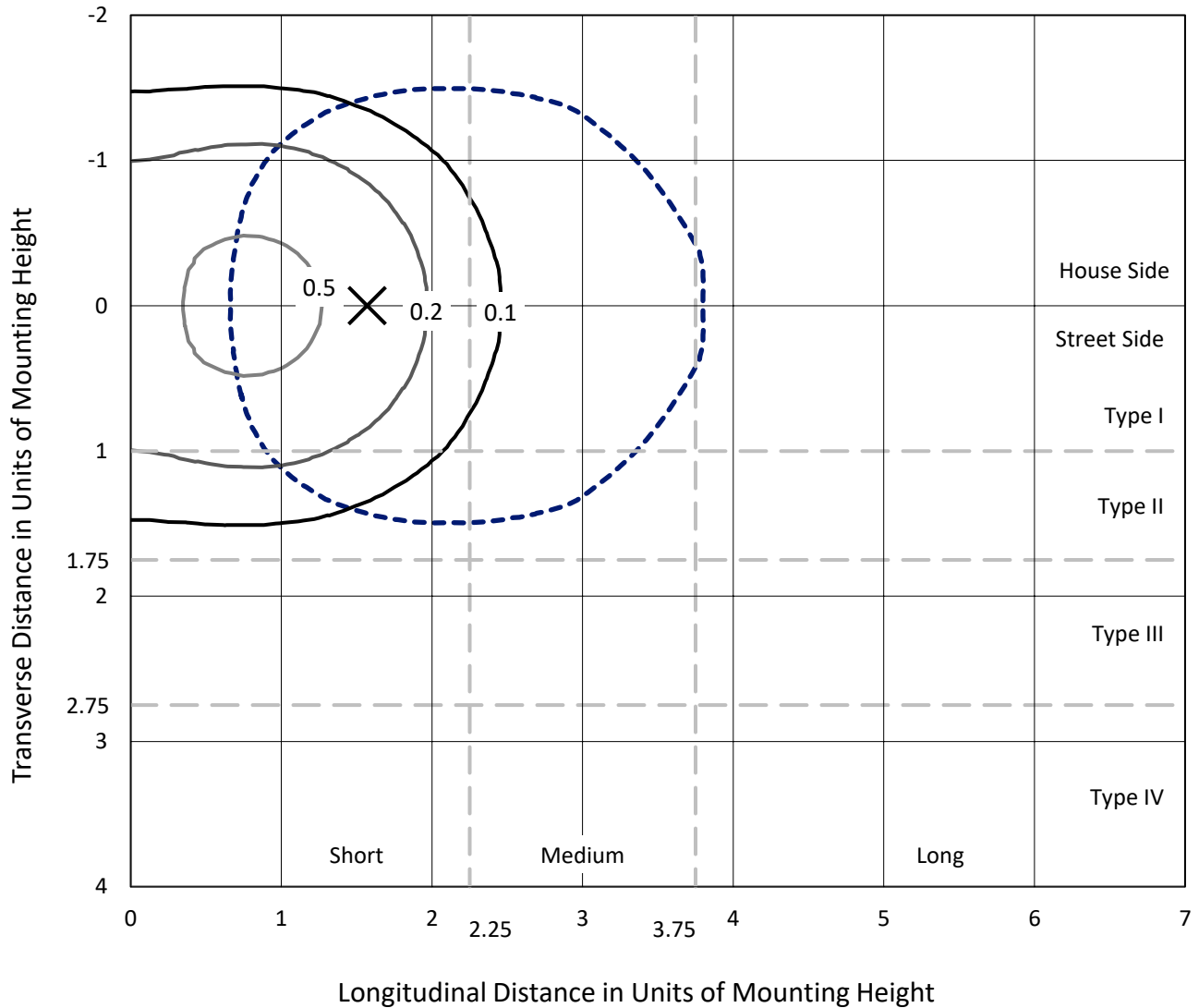
Lumens per Lamp: N/A  
Luminaire Lumens: 3073 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 26.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



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### Iso-Footcandle Lines of Horizontal Illumination

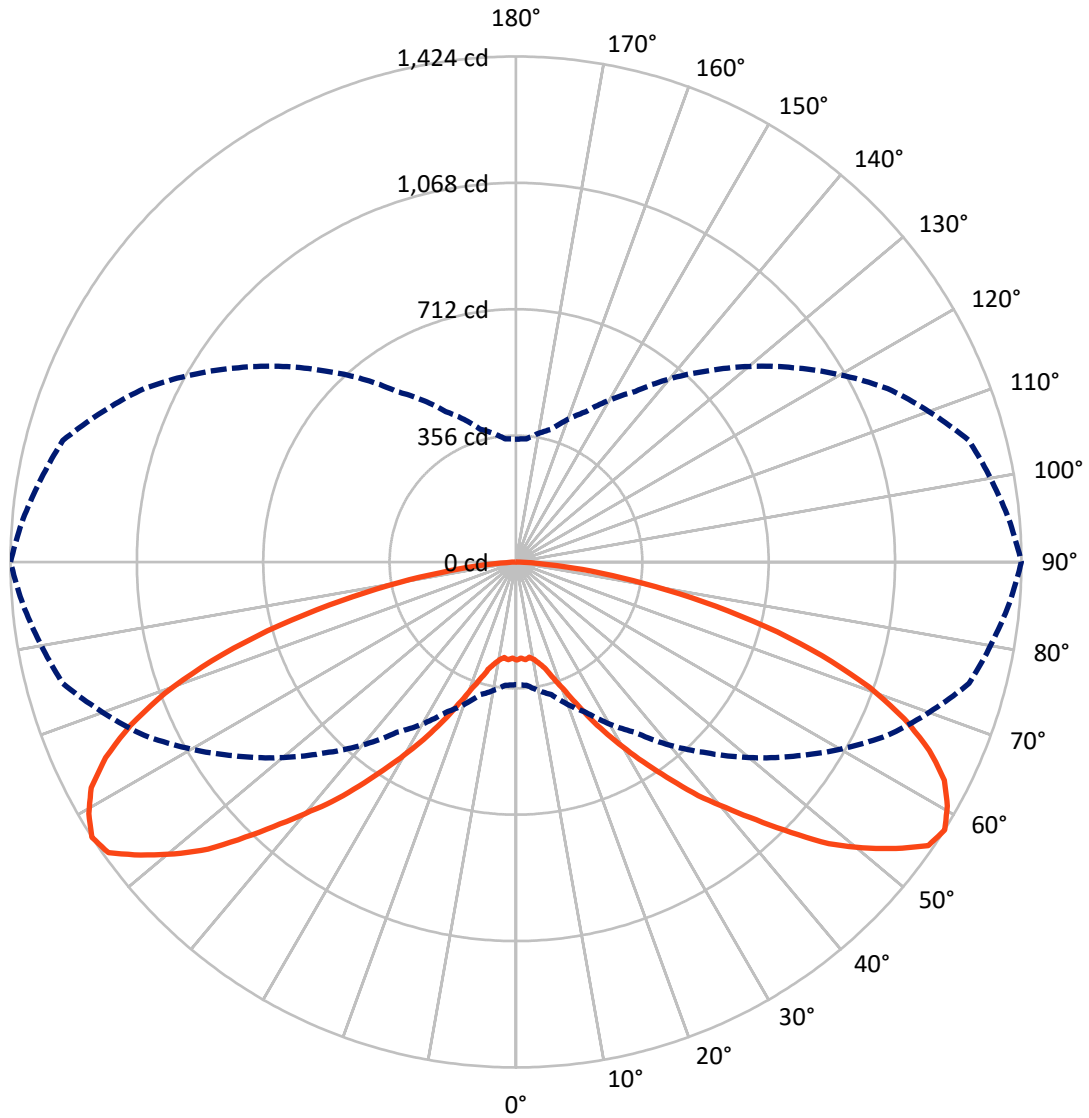
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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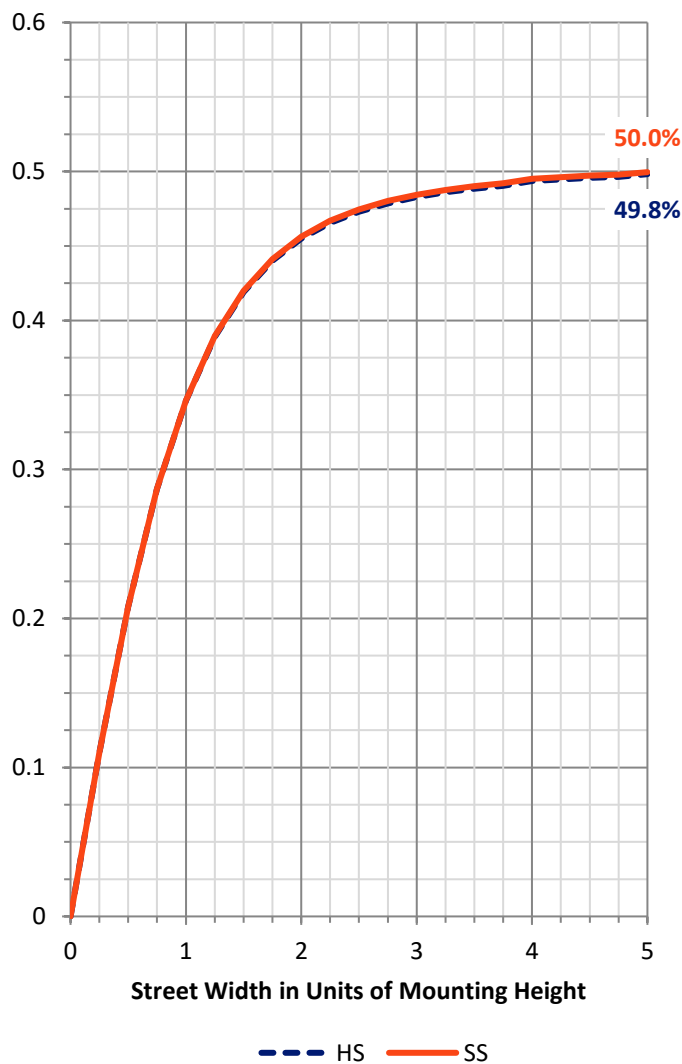
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1536.5	0.0	1536.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1536.5	0.0	1536.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3073.0	0.0	3073.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.3	0.9
10°-20°	84.9	2.8
20°-30°	180.7	5.9
30°-40°	333.1	10.8
40°-50°	536.3	17.5
50°-60°	725.9	23.6
60°-70°	705.7	23.0
70°-80°	410.6	13.4
80°-90°	69.4	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°	3073.0	100.0
0°-180°	3073.0	100.0

**Coefficient of Utilization**



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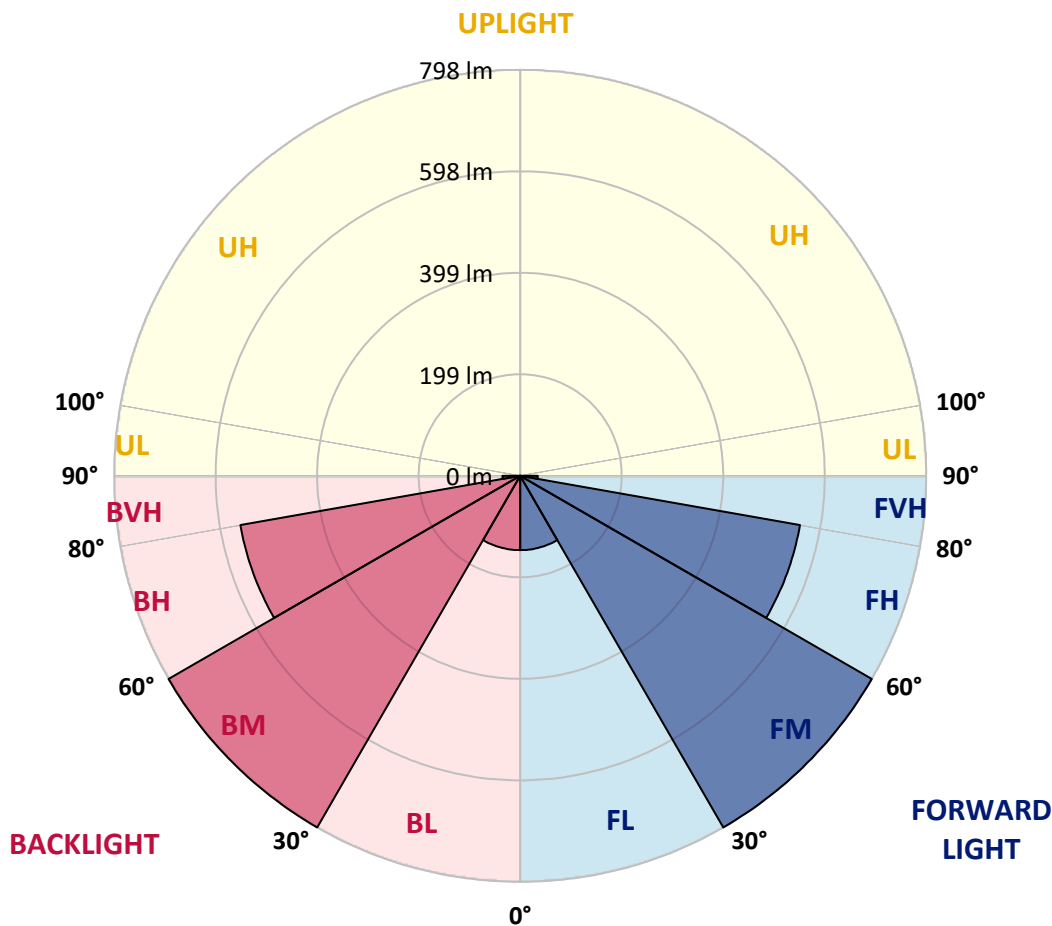
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.0	4.8			
FM (30°-60°)	797.6	26.0			
FH (60°-80°)	558.2	18.2			G0/660
FVH (80°-90°)	34.7	1.1			G1/100
BL (0°-30°)	146.0	4.8	B1/500		
BM (30°-60°)	797.6	26.0	B1/1000		
BH (60°-80°)	558.2	18.2	B2/1000		G2/1000
BVH (80°-90°)	34.7	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5	276.5
2.5°	276.5	276.5	276.5	276.5	273.7	273.7	273.7	271.0	271.0	271.0	271.0
5°	276.5	276.5	276.5	279.3	279.3	279.3	276.5	276.5	276.5	276.5	276.5
7.5°	276.5	279.3	279.3	276.5	276.5	273.7	273.7	273.7	271.0	271.0	271.0
10°	276.5	276.5	276.5	276.5	273.7	273.7	276.5	276.5	279.3	279.3	279.3
12.5°	273.7	273.7	276.5	276.5	276.5	279.3	284.8	287.6	290.3	293.1	293.1
15°	276.5	276.5	279.3	282.0	284.8	290.3	298.6	306.9	312.4	315.2	312.4
17.5°	276.5	279.3	282.0	287.6	295.8	304.1	318.0	329.0	340.1	342.8	345.6
20°	282.0	282.0	284.8	295.8	309.7	323.5	342.8	362.2	376.0	381.6	381.6
22.5°	284.8	287.6	290.3	304.1	326.3	348.4	376.0	398.1	417.5	428.6	431.3
25°	293.1	293.1	298.6	318.0	345.6	378.8	414.7	447.9	472.8	486.6	489.4
27.5°	298.6	301.4	309.7	334.6	370.5	412.0	461.7	500.4	530.9	547.5	550.2
30°	304.1	306.9	323.5	351.1	395.4	445.2	503.2	553.0	591.7	611.0	613.8
32.5°	312.4	315.2	334.6	365.0	417.5	478.3	544.7	605.5	660.8	677.4	680.2
35°	320.7	323.5	345.6	381.6	442.4	511.5	588.9	660.8	727.2	749.3	754.8
37.5°	329.0	331.8	353.9	398.1	467.3	547.5	638.7	724.4	796.3	826.7	835.0
40°	337.3	340.1	365.0	414.7	492.2	586.2	691.2	785.2	868.2	904.1	909.7
42.5°	342.8	345.6	373.3	428.6	517.0	622.1	746.5	851.6	940.1	987.1	992.6
45°	351.1	353.9	384.3	447.9	539.2	663.6	799.1	926.2	1028.5	1081.1	1086.6
47.5°	356.7	359.4	392.6	459.0	564.0	702.3	854.4	992.6	1114.3	1169.6	1186.1
50°	359.4	362.2	398.1	470.0	580.6	729.9	898.6	1059.0	1188.9	1258.0	1266.3
52.5°	359.4	365.0	400.9	478.3	591.7	754.8	934.5	1114.3	1260.8	1338.2	1341.0
55°	356.7	359.4	398.1	475.6	597.2	765.9	959.4	1147.4	1310.6	1385.2	1410.1
57.5°	345.6	348.4	387.1	467.3	586.2	760.4	953.9	1155.7	1321.6	1393.5	1423.9
60°	329.0	334.6	370.5	447.9	569.6	741.0	937.3	1139.1	1305.0	1393.5	1396.3
62.5°	309.7	312.4	348.4	423.0	544.7	710.6	906.9	1106.0	1266.3	1357.6	1354.8
65°	282.0	284.8	315.2	392.6	500.4	652.5	846.1	1053.4	1191.7	1288.4	1280.2
67.5°	251.6	254.4	282.0	351.1	447.9	588.9	763.1	965.0	1086.6	1186.1	1180.6
70°	218.4	218.4	243.3	301.4	392.6	517.0	671.9	848.8	970.5	1053.4	1056.2
72.5°	179.7	179.7	201.8	251.6	329.0	434.1	566.8	724.4	823.9	895.8	901.4
75°	141.0	138.2	157.6	199.1	259.9	345.6	447.9	583.4	660.8	729.9	727.2
77.5°	99.5	99.5	110.6	143.8	188.0	257.1	331.8	439.6	492.2	550.2	539.2
80°	63.6	63.6	69.1	94.0	124.4	171.4	218.4	298.6	334.6	378.8	365.0
82.5°	33.2	30.4	35.9	49.8	66.4	94.0	121.7	174.2	190.8	224.0	212.9
85°	11.1	11.1	11.1	16.6	24.9	35.9	47.0	74.7	77.4	99.5	91.2
87.5°	2.8	0.0	0.0	2.8	2.8	2.8	2.8	8.3	8.3	16.6	11.1
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)