

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: P832629

Luminaire Tested: **TTN-D2-740-U-WQ-CG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832629  
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-D2-740-U-WQ-CG  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH CLEAR GLASS  
Light Source: -  
Ballast/Driver: -

**Summary**

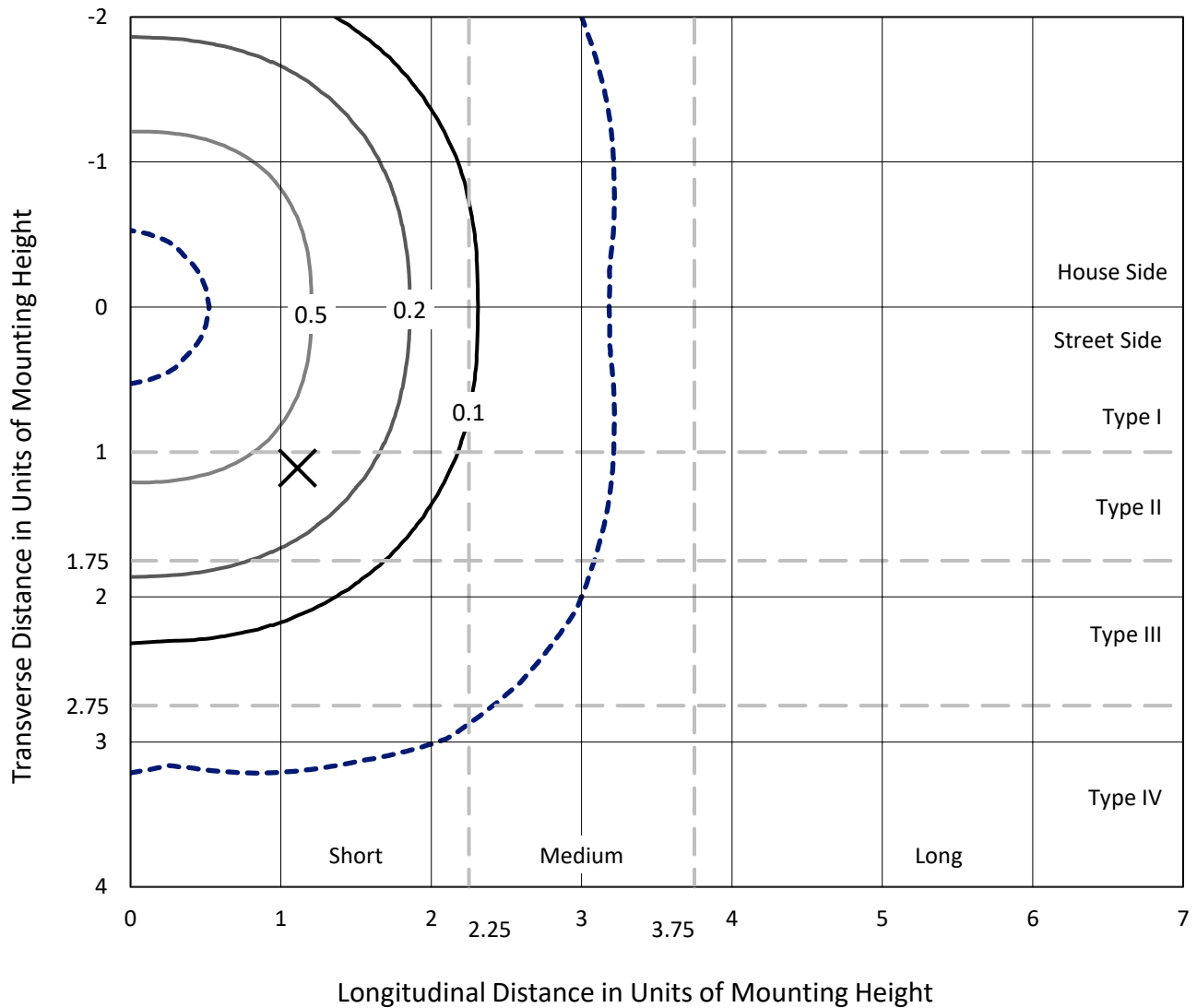
Lumens per Lamp: N/A  
Luminaire Lumens: 5021 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 42.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

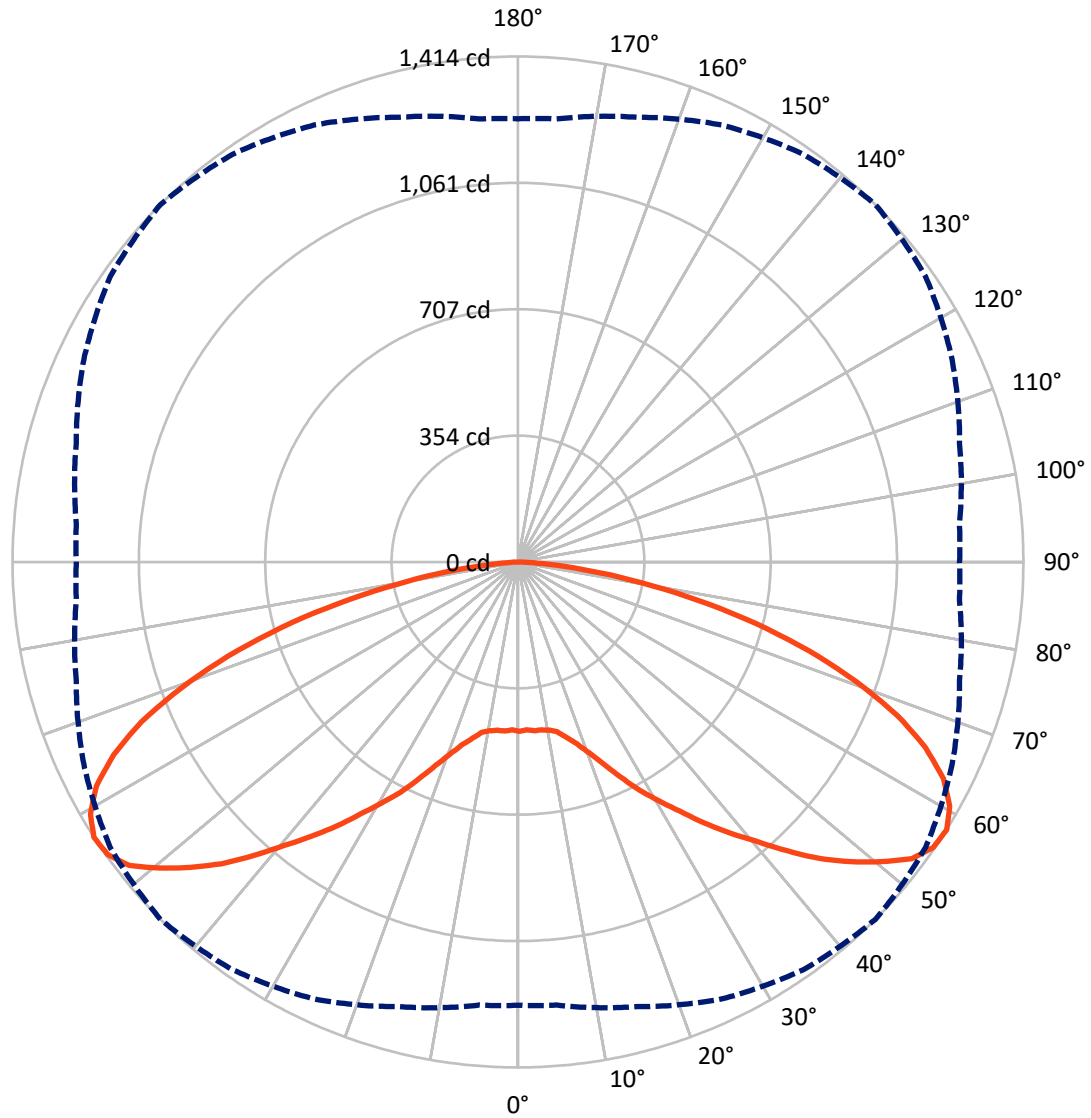
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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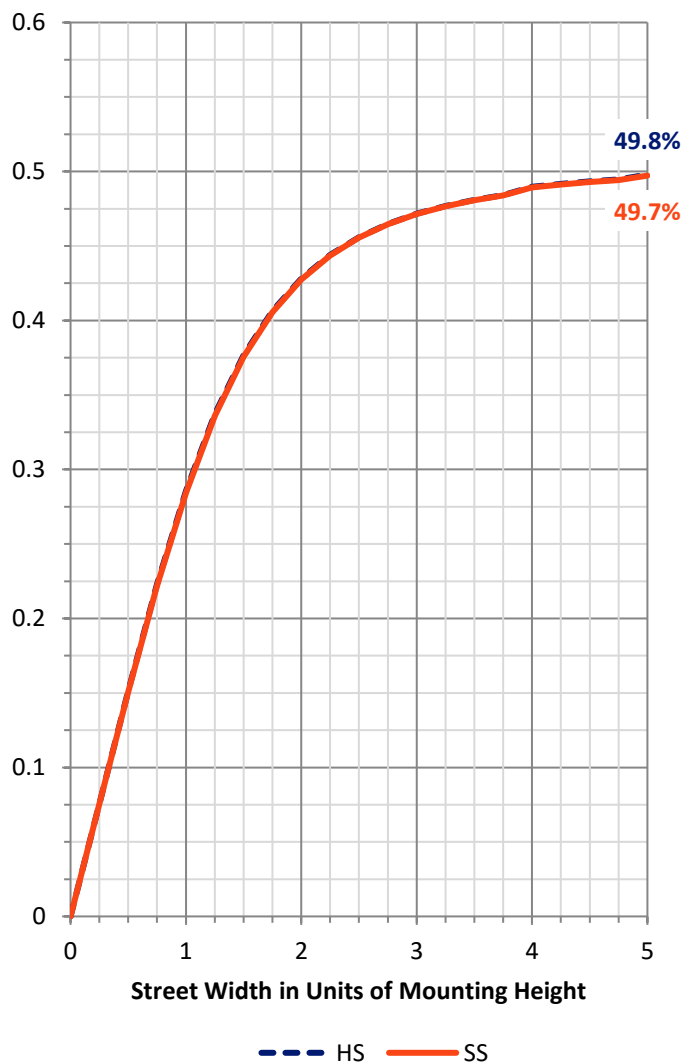
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2510.5	0.0	2510.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2510.5	0.0	2510.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5021.0	0.0	5021.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	0.9
10°-20°	146.3	2.9
20°-30°	307.7	6.1
30°-40°	554.7	11.0
40°-50°	881.8	17.6
50°-60°	1176.5	23.4
60°-70°	1136.7	22.6
70°-80°	658.7	13.1
80°-90°	113.5	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°	5021.0	100.0
0°-180°	5021.0	100.0

**Coefficient of Utilization**



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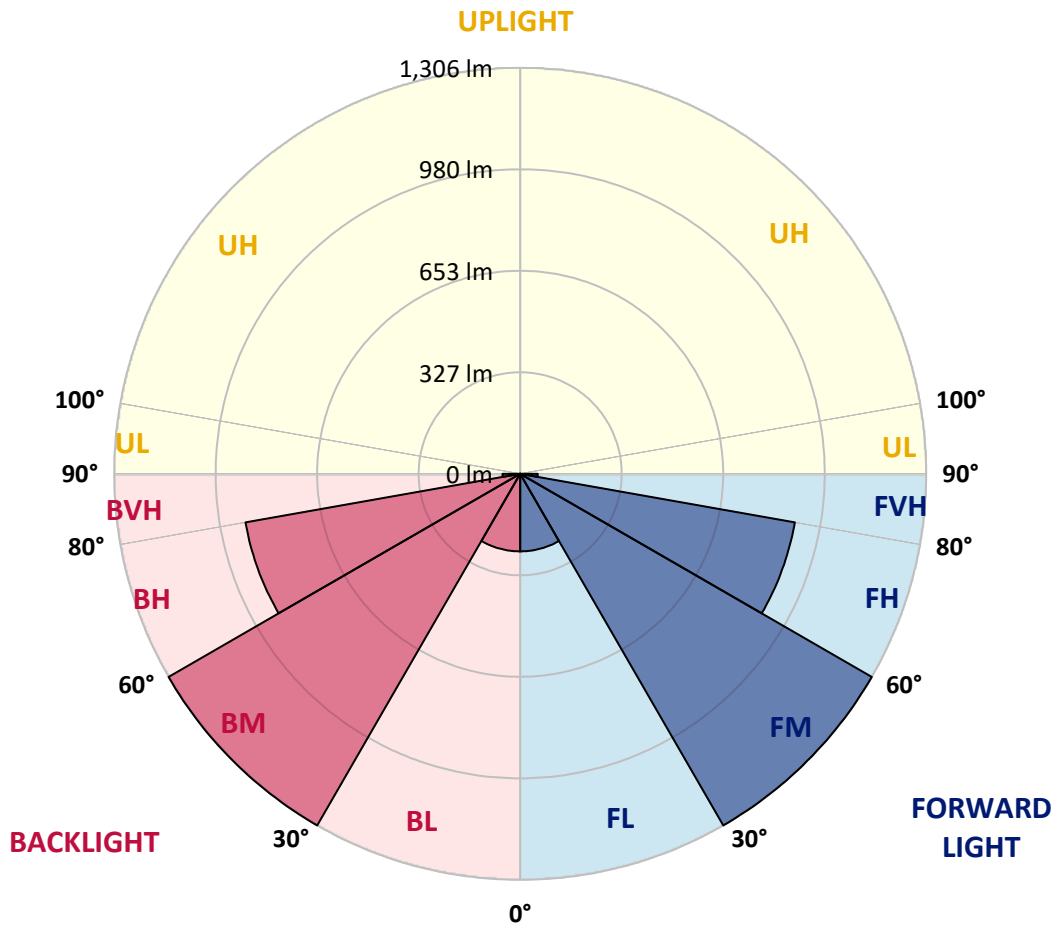
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.6	5.0			
FM (30°-60°)	1306.5	26.0			
FH (60°-80°)	897.7	17.9			G1/1800
FVH (80°-90°)	56.8	1.1			G1/100
BL (0°-30°)	249.6	5.0	B1/500		
BM (30°-60°)	1306.5	26.0	B2/2500		
BH (60°-80°)	897.7	17.9	B2/1000		G1/1800
BVH (80°-90°)	56.8	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3
2.5°	470.0	470.0	470.0	470.0	470.0	470.0	470.0	470.0	470.0	470.0	470.0
5°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3
7.5°	470.0	470.0	474.3	474.3	474.3	474.3	474.3	474.3	474.3	470.0	470.0
10°	474.3	474.3	474.3	478.7	478.7	478.7	478.7	478.7	474.3	474.3	474.3
12.5°	483.0	483.0	487.4	487.4	487.4	487.4	487.4	487.4	487.4	483.0	483.0
15°	504.8	504.8	504.8	509.1	509.1	509.1	509.1	509.1	504.8	504.8	504.8
17.5°	526.5	526.5	530.9	530.9	535.2	535.2	535.2	530.9	530.9	530.9	530.9
20°	557.0	557.0	561.4	561.4	565.7	570.1	570.1	565.7	561.4	561.4	561.4
22.5°	596.2	600.5	600.5	600.5	604.9	613.6	609.2	604.9	600.5	600.5	600.5
25°	644.0	648.4	652.7	652.7	657.1	665.8	665.8	652.7	652.7	652.7	652.7
27.5°	700.6	705.0	709.3	709.3	713.7	722.4	718.0	709.3	709.3	705.0	705.0
30°	752.8	757.2	761.5	765.9	770.2	774.6	774.6	765.9	761.5	757.2	752.8
32.5°	805.0	805.0	813.7	822.4	831.1	831.1	835.5	822.4	813.7	805.0	800.7
35°	857.3	861.6	866.0	879.0	892.1	896.4	892.1	879.0	866.0	857.3	857.3
37.5°	913.8	918.2	922.5	939.9	953.0	961.7	953.0	939.9	922.5	913.8	909.5
40°	974.7	979.1	983.5	1005.2	1018.3	1027.0	1013.9	1000.9	983.5	974.7	970.4
42.5°	1031.3	1040.0	1048.7	1074.8	1096.6	1105.3	1092.2	1070.5	1053.1	1031.3	1027.0
45°	1100.9	1109.6	1122.7	1148.8	1170.6	1183.6	1166.2	1144.5	1118.4	1100.9	1096.6
47.5°	1157.5	1166.2	1179.3	1214.1	1244.5	1253.2	1235.8	1209.7	1174.9	1153.2	1148.8
50°	1201.0	1209.7	1235.8	1275.0	1309.8	1318.5	1301.1	1266.3	1227.1	1196.7	1192.3
52.5°	1235.8	1244.5	1275.0	1327.2	1366.4	1379.4	1357.7	1318.5	1266.3	1231.5	1227.1
55°	1253.2	1257.6	1296.8	1353.3	1392.5	1409.9	1388.1	1344.6	1288.1	1248.9	1244.5
57.5°	1240.2	1244.5	1288.1	1349.0	1392.5	1414.3	1392.5	1340.3	1279.4	1240.2	1235.8
60°	1214.1	1214.1	1253.2	1322.9	1375.1	1388.1	1366.4	1314.2	1248.9	1209.7	1205.4
62.5°	1166.2	1161.9	1209.7	1270.7	1322.9	1335.9	1318.5	1266.3	1201.0	1161.9	1157.5
65°	1074.8	1066.1	1135.8	1192.3	1240.2	1253.2	1240.2	1192.3	1131.4	1070.5	1061.8
67.5°	966.0	953.0	1018.3	1083.5	1127.1	1144.5	1127.1	1087.9	1018.3	957.3	953.0
70°	852.9	839.9	892.1	948.6	996.5	1005.2	987.8	948.6	883.4	844.2	844.2
72.5°	718.0	705.0	752.8	796.3	844.2	852.9	835.5	800.7	752.8	713.7	709.3
75°	570.1	557.0	600.5	635.3	683.2	687.5	678.8	639.7	600.5	561.4	561.4
77.5°	422.1	409.0	443.9	474.3	513.5	513.5	509.1	478.7	443.9	417.7	417.7
80°	278.5	269.8	300.3	313.3	348.1	348.1	343.8	322.0	295.9	278.5	274.1
82.5°	156.7	148.0	174.1	178.4	204.5	204.5	200.2	182.8	165.4	152.3	152.3
85°	60.9	52.2	69.6	74.0	87.0	87.0	82.7	78.3	65.3	56.6	56.6
87.5°	4.4	4.4	8.7	8.7	13.1	13.1	13.1	8.7	8.7	4.4	4.4
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)