

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: P832623

Luminaire Tested: **TTN-D2-735-U-RW-CG**

Issue Date: 5/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P832623  
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-D2-735-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**

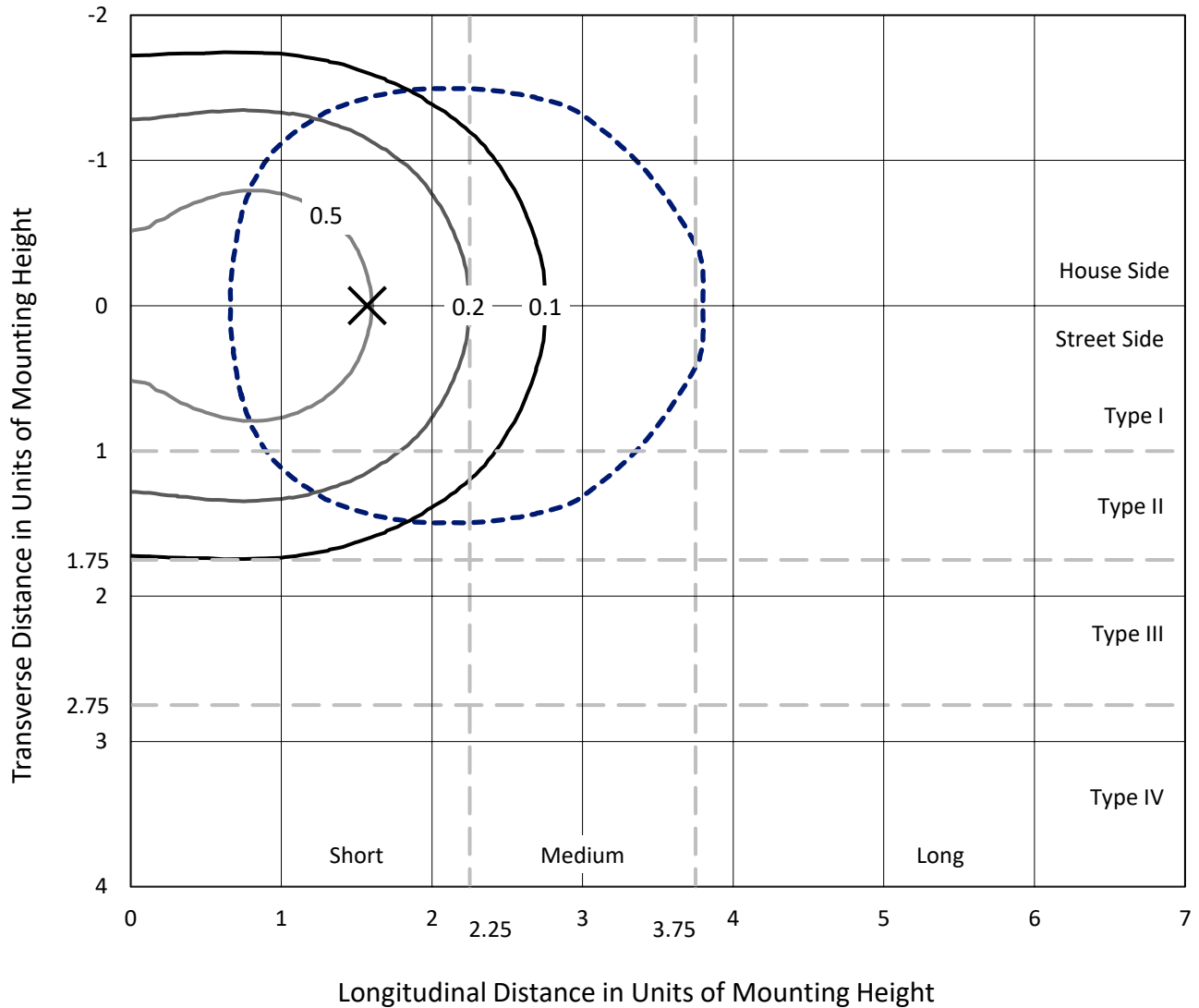
Lumens per Lamp: N/A  
Luminaire Lumens: 4582 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 42.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

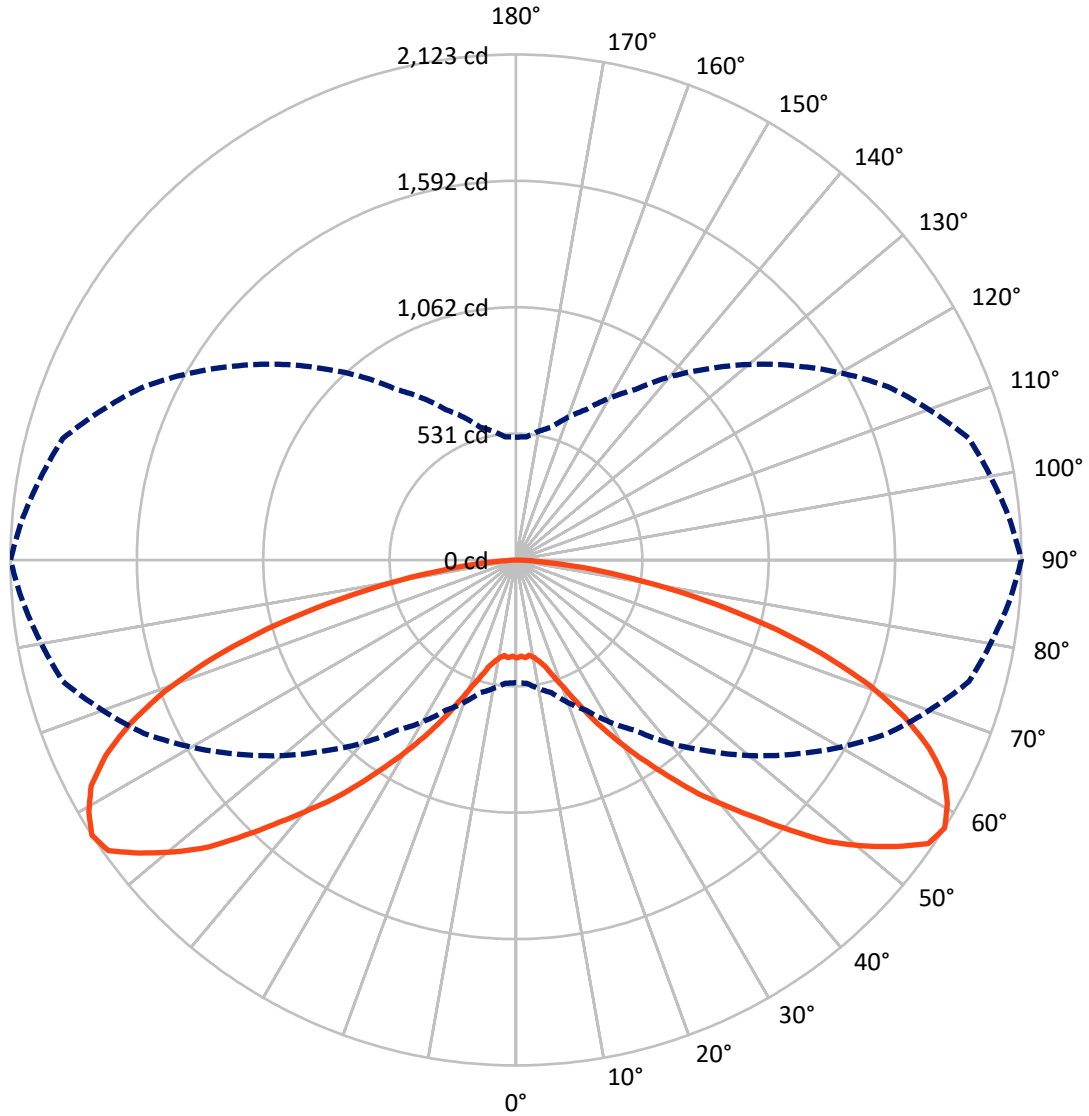
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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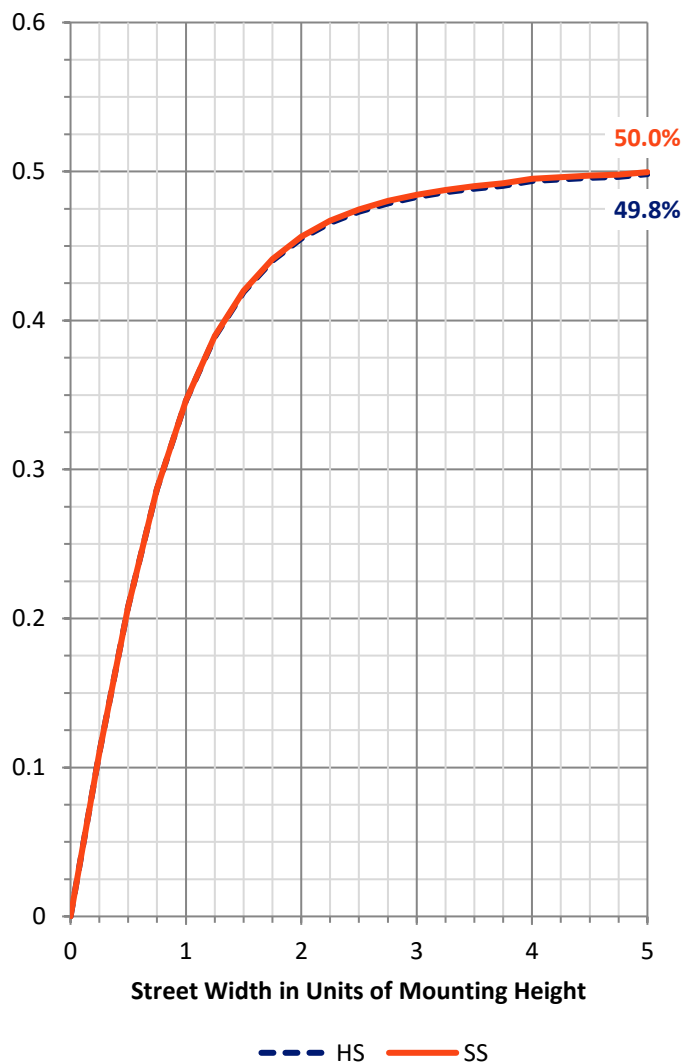
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2291.0	0.0	2291.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2291.0	0.0	2291.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4582.0	0.0	4582.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.3	0.9
10°-20°	126.6	2.8
20°-30°	269.5	5.9
30°-40°	496.6	10.8
40°-50°	799.6	17.5
50°-60°	1082.3	23.6
60°-70°	1052.3	23.0
70°-80°	612.3	13.4
80°-90°	103.5	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°	4582.0	100.0
0°-180°	4582.0	100.0

**Coefficient of Utilization**



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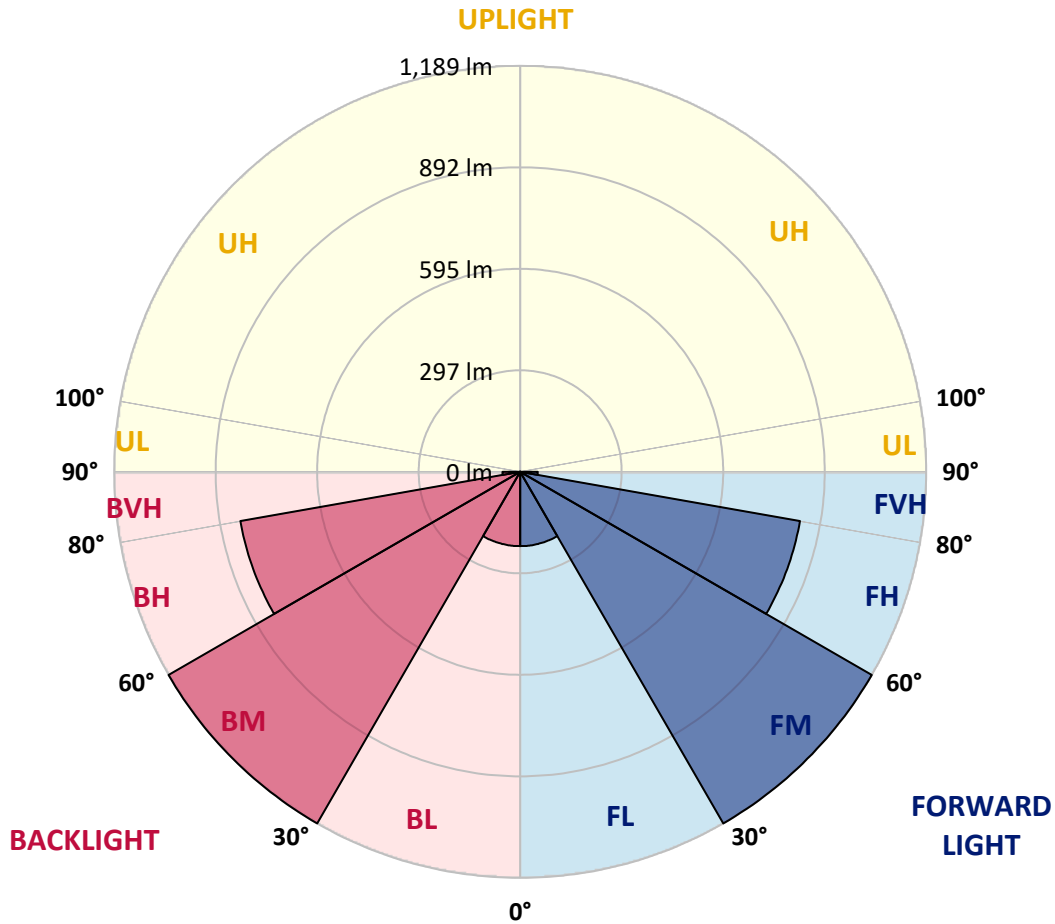
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.7	4.8			
FM (30°-60°)	1189.3	26.0			
FH (60°-80°)	832.3	18.2			G1/1800
FVH (80°-90°)	51.7	1.1			G1/100
BL (0°-30°)	217.7	4.8	B1/500		
BM (30°-60°)	1189.3	26.0	B2/2500		
BH (60°-80°)	832.3	18.2	B2/1000		G2/1000
BVH (80°-90°)	51.7	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°	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3	412.3
2.5°	412.3	412.3	412.3	412.3	408.1	408.1	408.1	404.0	404.0	404.0	404.0
5°	412.3	412.3	412.3	416.4	416.4	416.4	412.3	412.3	412.3	412.3	412.3
7.5°	412.3	416.4	416.4	412.3	412.3	408.1	408.1	408.1	404.0	404.0	404.0
10°	412.3	412.3	412.3	412.3	408.1	408.1	412.3	412.3	416.4	416.4	416.4
12.5°	408.1	408.1	412.3	412.3	412.3	416.4	424.6	428.8	432.9	437.0	437.0
15°	412.3	412.3	416.4	420.5	424.6	432.9	445.2	457.6	465.9	470.0	465.9
17.5°	412.3	416.4	420.5	428.8	441.1	453.5	474.1	490.6	507.1	511.2	515.3
20°	420.5	420.5	424.6	441.1	461.7	482.3	511.2	540.1	560.7	568.9	568.9
22.5°	424.6	428.8	432.9	453.5	486.5	519.5	560.7	593.7	622.5	639.0	643.1
25°	437.0	437.0	445.2	474.1	515.3	564.8	618.4	667.9	705.0	725.6	729.7
27.5°	445.2	449.4	461.7	498.8	552.4	614.3	688.5	746.2	791.5	816.3	820.4
30°	453.5	457.6	482.3	523.6	589.5	663.7	750.3	824.5	882.2	911.1	915.2
32.5°	465.9	470.0	498.8	544.2	622.5	713.2	812.2	902.9	985.3	1010.0	1014.2
35°	478.2	482.3	515.3	568.9	659.6	762.7	878.1	985.3	1084.3	1117.2	1125.5
37.5°	490.6	494.7	527.7	593.7	696.7	816.3	952.3	1080.1	1187.3	1232.7	1245.0
40°	503.0	507.1	544.2	618.4	733.8	874.0	1030.7	1170.8	1294.5	1348.1	1356.3
42.5°	511.2	515.3	556.6	639.0	770.9	927.6	1113.1	1269.8	1401.7	1471.8	1480.0
45°	523.6	527.7	573.0	667.9	803.9	989.4	1191.4	1381.1	1533.6	1611.9	1620.2
47.5°	531.8	535.9	585.4	684.4	841.0	1047.1	1273.9	1480.0	1661.4	1743.9	1768.6
50°	535.9	540.1	593.7	700.8	865.8	1088.4	1339.9	1579.0	1772.7	1875.8	1888.2
52.5°	535.9	544.2	597.8	713.2	882.2	1125.5	1393.4	1661.4	1879.9	1995.4	1999.5
55°	531.8	535.9	593.7	709.1	890.5	1142.0	1430.6	1710.9	1954.1	2065.4	2102.5
57.5°	515.3	519.5	577.2	696.7	874.0	1133.7	1422.3	1723.3	1970.6	2077.8	2123.2
60°	490.6	498.8	552.4	667.9	849.3	1104.9	1397.6	1698.5	1945.9	2077.8	2081.9
62.5°	461.7	465.9	519.5	630.8	812.2	1059.5	1352.2	1649.0	1888.2	2024.2	2020.1
65°	420.5	424.6	470.0	585.4	746.2	972.9	1261.5	1570.7	1776.9	1921.1	1908.8
67.5°	375.2	379.3	420.5	523.6	667.9	878.1	1137.8	1438.8	1620.2	1768.6	1760.4
70°	325.7	325.7	362.8	449.4	585.4	770.9	1001.8	1265.6	1447.0	1570.7	1574.8
72.5°	268.0	268.0	301.0	375.2	490.6	647.3	845.1	1080.1	1228.5	1335.7	1344.0
75°	210.3	206.1	235.0	296.8	387.5	515.3	667.9	869.9	985.3	1088.4	1084.3
77.5°	148.4	148.4	164.9	214.4	280.3	383.4	494.7	655.5	733.8	820.4	803.9
80°	94.8	94.8	103.1	140.2	185.5	255.6	325.7	445.2	498.8	564.8	544.2
82.5°	49.5	45.3	53.6	74.2	98.9	140.2	181.4	259.7	284.5	333.9	317.4
85°	16.5	16.5	16.5	24.7	37.1	53.6	70.1	111.3	115.4	148.4	136.0
87.5°	4.1	0.0	0.0	4.1	4.1	4.1	4.1	12.4	12.4	24.7	16.5
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)