

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: P823466

Luminaire Tested: **TTN-D3-830-U-CQ**

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D3-830-U-CQ  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
3000K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

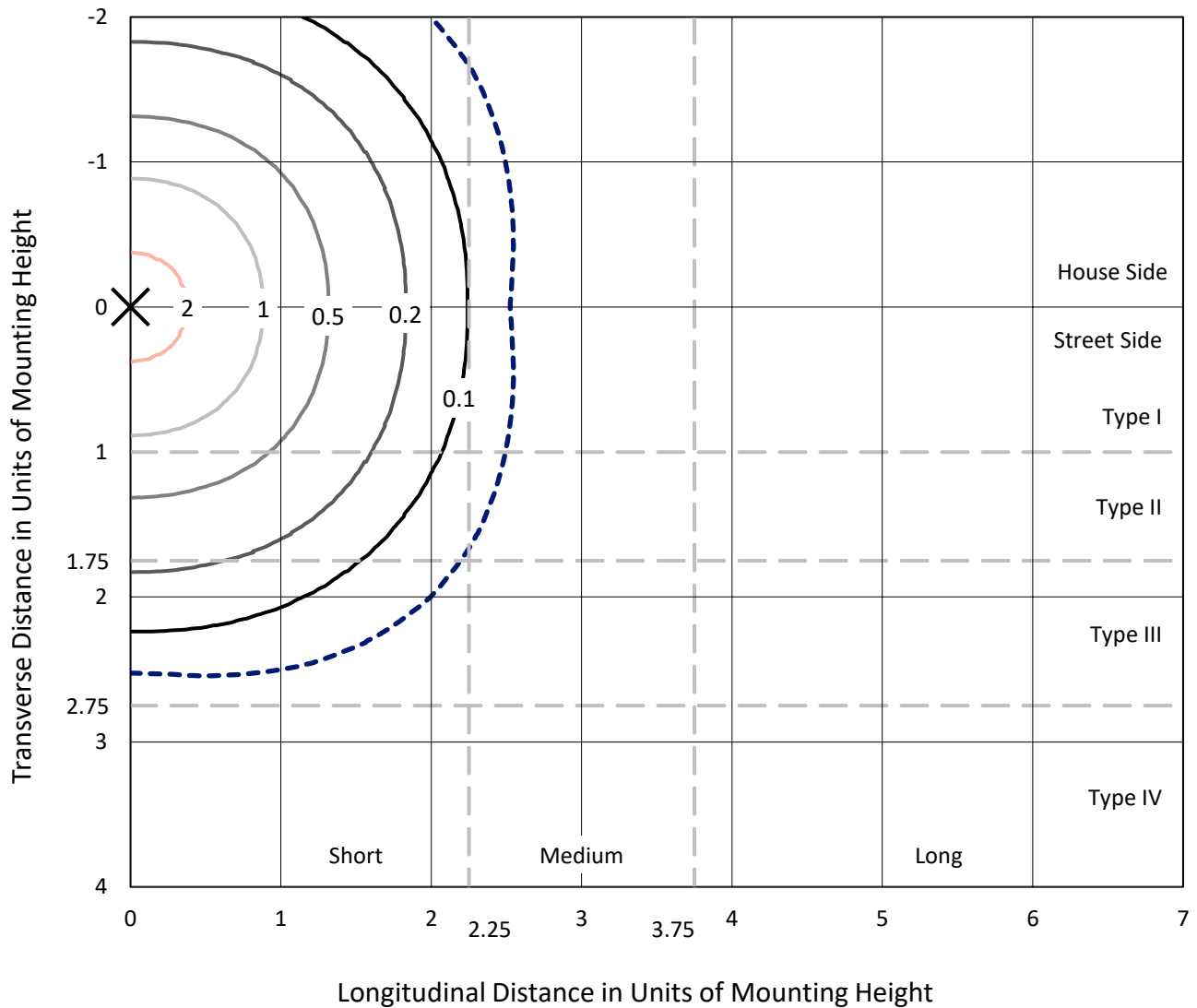
Lumens per Lamp: N/A  
Luminaire Lumens: 6340 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 59.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



REPORT NUMBER: P823466  
 CATALOG NUMBER: TTN-D3-830-U-CQ

### Iso-Footcandle Lines of Horizontal Illumination

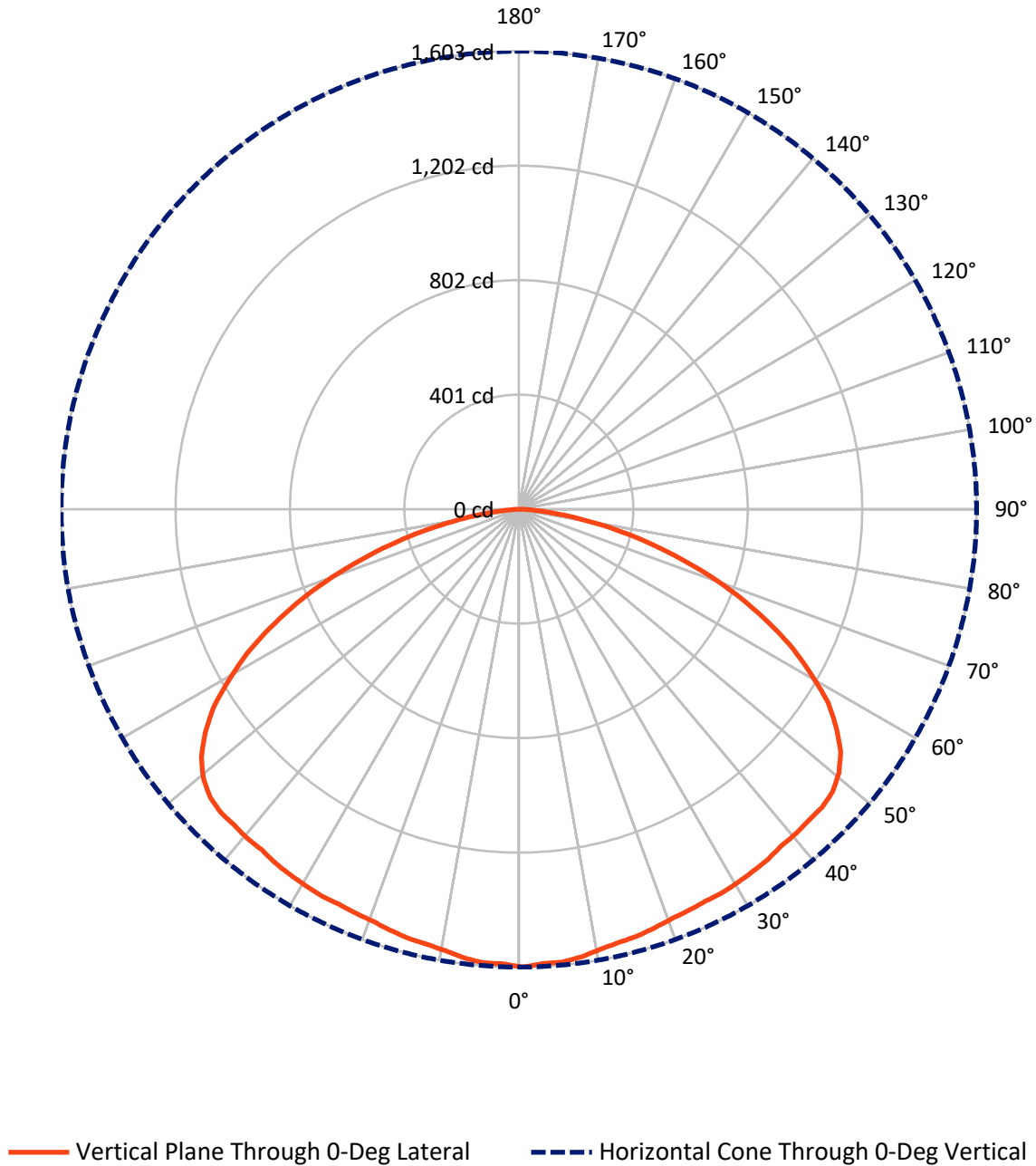
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P823466  
CATALOG NUMBER: TTN-D3-830-U-CQ

### Luminous Intensity Polar Plot



REPORT NUMBER: P823466  
 CATALOG NUMBER: TTN-D3-830-U-CQ

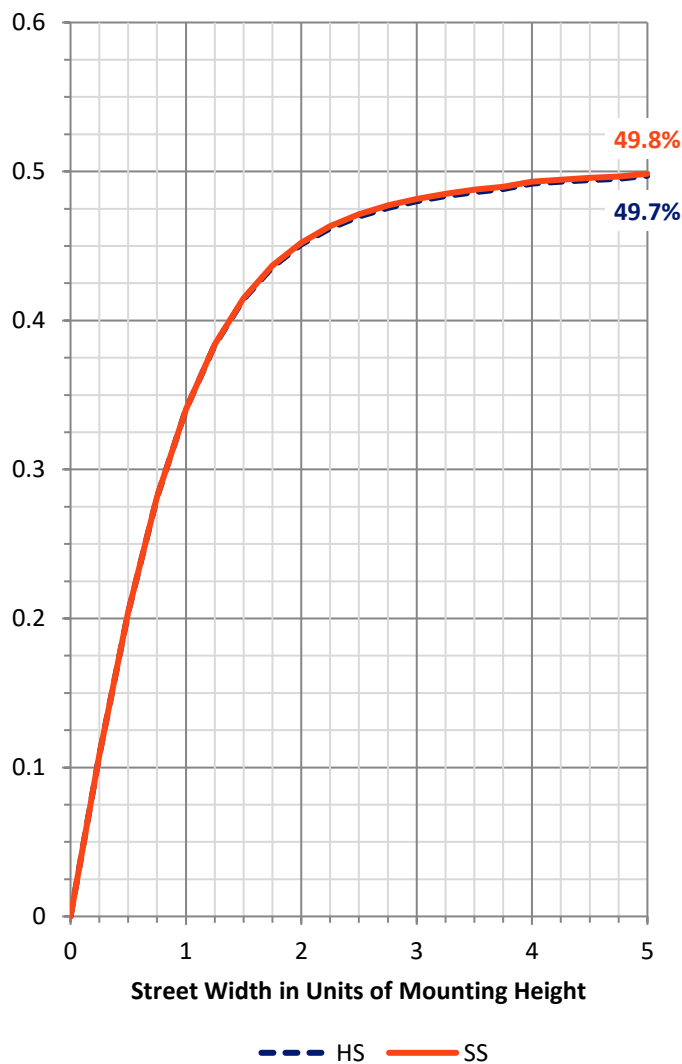
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3170.0	0.0	3170.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3170.0	0.0	3170.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6340.0	0.0	6340.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.1	2.4
10°-20°	438.9	6.9
20°-30°	706.8	11.1
30°-40°	950.6	15.0
40°-50°	1172.9	18.5
50°-60°	1258.3	19.8
60°-70°	1020.4	16.1
70°-80°	540.8	8.5
80°-90°	100.0	1.6
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°	6340.0	100.0
0°-180°	6340.0	100.0

**Coefficient of Utilization**

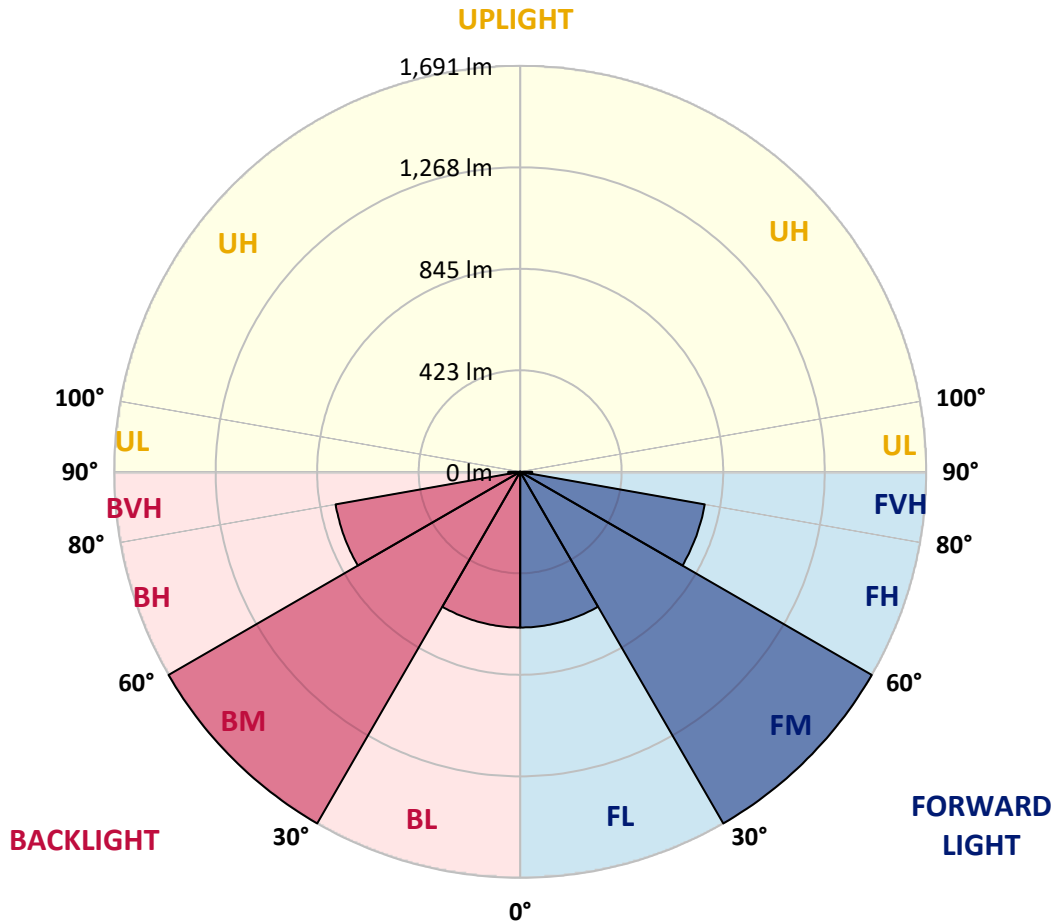


REPORT NUMBER: P823466  
 CATALOG NUMBER: TTN-D3-830-U-CQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.4	10.2			
FM (30°-60°)	1690.9	26.7			
FH (60°-80°)	780.6	12.3			G1/1800
FVH (80°-90°)	50.0	0.8			G1/100
BL (0°-30°)	648.4	10.2	B2/1000		
BM (30°-60°)	1690.9	26.7	B2/2500		
BH (60°-80°)	780.6	12.3	B2/1000		G1/1800
BVH (80°-90°)	50.0	0.8			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





REPORT NUMBER: P823466  
 CATALOG NUMBER: TTN-D3-830-U-CQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1603.2	1603.2	1603.2	1603.2	1603.2	1603.2	1603.2	1603.2	1603.2	1603.2	1603.2
2.5°	1592.8	1592.8	1592.8	1592.8	1592.8	1592.8	1592.8	1592.8	1592.8	1592.8	1598.0
5°	1592.8	1592.8	1592.8	1592.8	1587.6	1592.8	1592.8	1592.8	1592.8	1592.8	1592.8
7.5°	1582.4	1582.4	1582.4	1582.4	1582.4	1582.4	1582.4	1582.4	1582.4	1582.4	1582.4
10°	1566.8	1566.8	1566.8	1566.8	1566.8	1566.8	1566.8	1566.8	1566.8	1566.8	1566.8
12.5°	1556.5	1556.5	1556.5	1556.5	1556.5	1556.5	1556.5	1556.5	1556.5	1556.5	1556.5
15°	1551.3	1551.3	1551.3	1551.3	1551.3	1551.3	1551.3	1551.3	1551.3	1546.1	1546.1
17.5°	1540.9	1540.9	1540.9	1540.9	1546.1	1546.1	1546.1	1540.9	1540.9	1540.9	1540.9
20°	1530.5	1530.5	1530.5	1535.7	1535.7	1535.7	1535.7	1535.7	1530.5	1530.5	1530.5
22.5°	1525.3	1525.3	1525.3	1525.3	1530.5	1530.5	1530.5	1530.5	1525.3	1525.3	1525.3
25°	1520.1	1520.1	1525.3	1525.3	1530.5	1530.5	1530.5	1525.3	1525.3	1520.1	1520.1
27.5°	1520.1	1520.1	1525.3	1525.3	1530.5	1530.5	1530.5	1530.5	1525.3	1520.1	1520.1
30°	1515.0	1520.1	1520.1	1525.3	1530.5	1530.5	1530.5	1525.3	1520.1	1515.0	1515.0
32.5°	1509.8	1509.8	1515.0	1520.1	1525.3	1525.3	1525.3	1520.1	1515.0	1509.8	1504.6
35°	1504.6	1504.6	1504.6	1515.0	1520.1	1520.1	1520.1	1515.0	1504.6	1499.4	1499.4
37.5°	1494.2	1499.4	1504.6	1509.8	1520.1	1520.1	1520.1	1509.8	1499.4	1494.2	1489.0
40°	1494.2	1494.2	1504.6	1509.8	1525.3	1525.3	1520.1	1509.8	1499.4	1489.0	1483.8
42.5°	1489.0	1494.2	1504.6	1520.1	1535.7	1535.7	1530.5	1515.0	1499.4	1489.0	1483.8
45°	1489.0	1489.0	1504.6	1525.3	1546.1	1551.3	1540.9	1525.3	1504.6	1483.8	1483.8
47.5°	1478.6	1478.6	1499.4	1525.3	1551.3	1556.5	1551.3	1525.3	1499.4	1483.8	1478.6
50°	1452.7	1452.7	1478.6	1509.8	1540.9	1551.3	1540.9	1520.1	1483.8	1463.1	1457.9
52.5°	1411.2	1411.2	1437.1	1478.6	1509.8	1525.3	1515.0	1489.0	1452.7	1421.6	1416.4
55°	1348.9	1354.1	1380.1	1426.8	1463.1	1478.6	1468.3	1437.1	1395.6	1364.5	1354.1
57.5°	1276.3	1276.3	1312.6	1359.3	1395.6	1411.2	1400.8	1369.7	1323.0	1291.9	1281.5
60°	1177.7	1182.9	1214.0	1276.3	1312.6	1328.2	1317.8	1281.5	1229.6	1193.3	1182.9
62.5°	1079.1	1084.3	1115.5	1167.3	1208.9	1219.2	1208.9	1172.5	1125.8	1089.5	1079.1
65°	965.0	970.2	1006.5	1053.2	1084.3	1099.9	1084.3	1053.2	1011.7	975.4	970.2
67.5°	845.7	850.9	887.2	928.7	959.8	970.2	954.6	928.7	887.2	856.1	845.7
70°	721.2	726.4	757.5	793.8	819.7	830.1	819.7	788.6	757.5	726.4	721.2
72.5°	591.5	596.6	627.8	658.9	679.7	690.0	674.5	653.7	622.6	596.6	591.5
75°	466.9	466.9	492.9	518.8	539.6	544.8	534.4	518.8	492.9	472.1	461.8
77.5°	347.6	347.6	373.6	389.1	399.5	409.9	399.5	383.9	368.4	347.6	347.6
80°	233.5	233.5	254.2	264.6	275.0	280.2	275.0	264.6	254.2	238.7	233.5
82.5°	140.1	140.1	150.5	160.8	160.8	166.0	166.0	160.8	150.5	140.1	140.1
85°	62.3	57.1	67.4	72.6	72.6	77.8	77.8	72.6	67.4	62.3	62.3
87.5°	5.2	10.4	10.4	15.6	15.6	15.6	15.6	15.6	10.4	10.4	10.4
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)