

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: P823448

Luminaire Tested: **TTN-D3-740-U-MQ**

Issue Date: 4/16/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P823448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TTN-D3-740-U-MQ  
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE  
4000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION  
Light Source: -  
Ballast/Driver: -

**Summary**

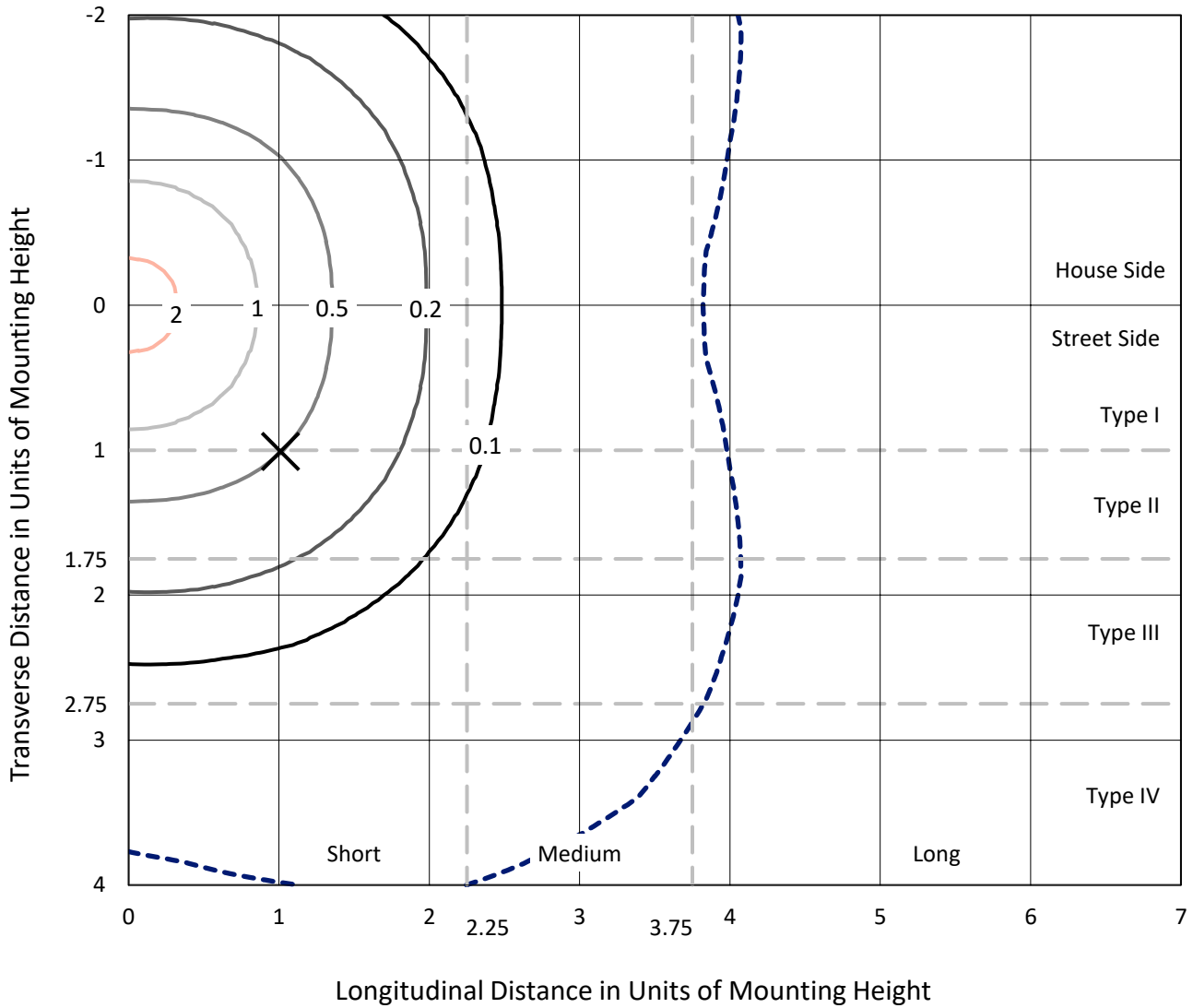
Lumens per Lamp: N/A  
Luminaire Lumens: 7377 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 59.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P823448  
 CATALOG NUMBER: TTN-D3-740-U-MQ

### Iso-Footcandle Lines of Horizontal Illumination

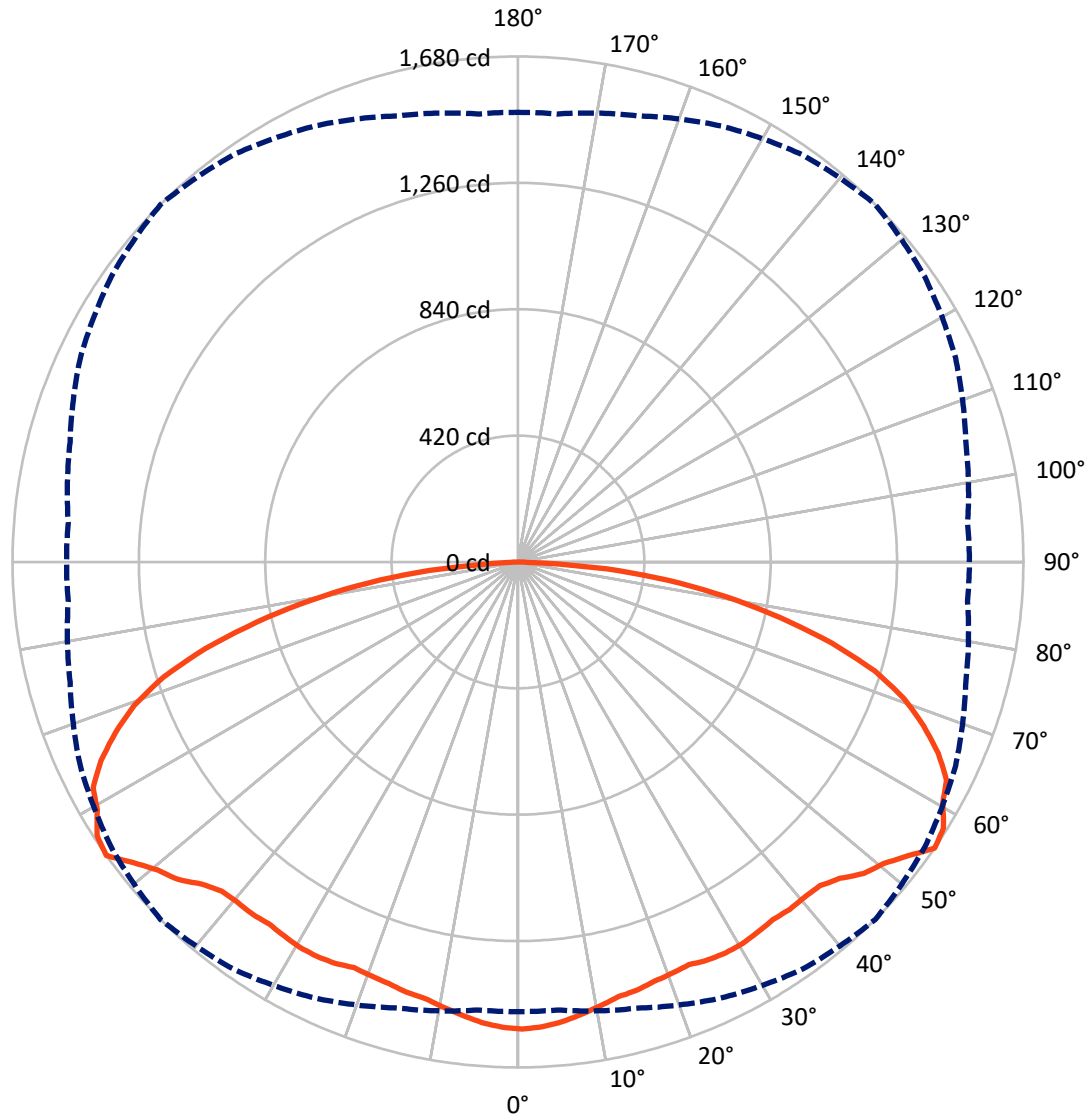
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P823448  
CATALOG NUMBER: TTN-D3-740-U-MQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P823448

CATALOG NUMBER: TTN-D3-740-U-MQ

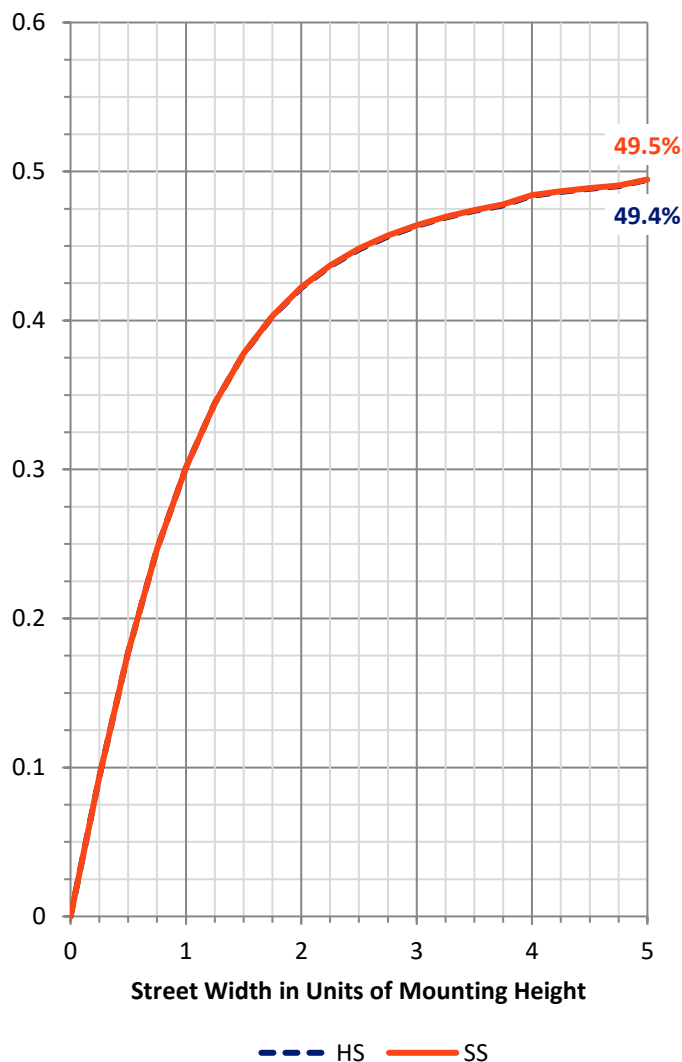
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3688.5	0.0	3688.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3688.5	0.0	3688.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7377.0	0.0	7377.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.3	2.0
10°-20°	417.0	5.7
20°-30°	674.0	9.1
30°-40°	912.1	12.4
40°-50°	1142.4	15.5
50°-60°	1400.0	19.0
60°-70°	1403.4	19.0
70°-80°	1012.7	13.7
80°-90°	270.0	3.7
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°	7377.0	100.0
0°-180°	7377.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P823448

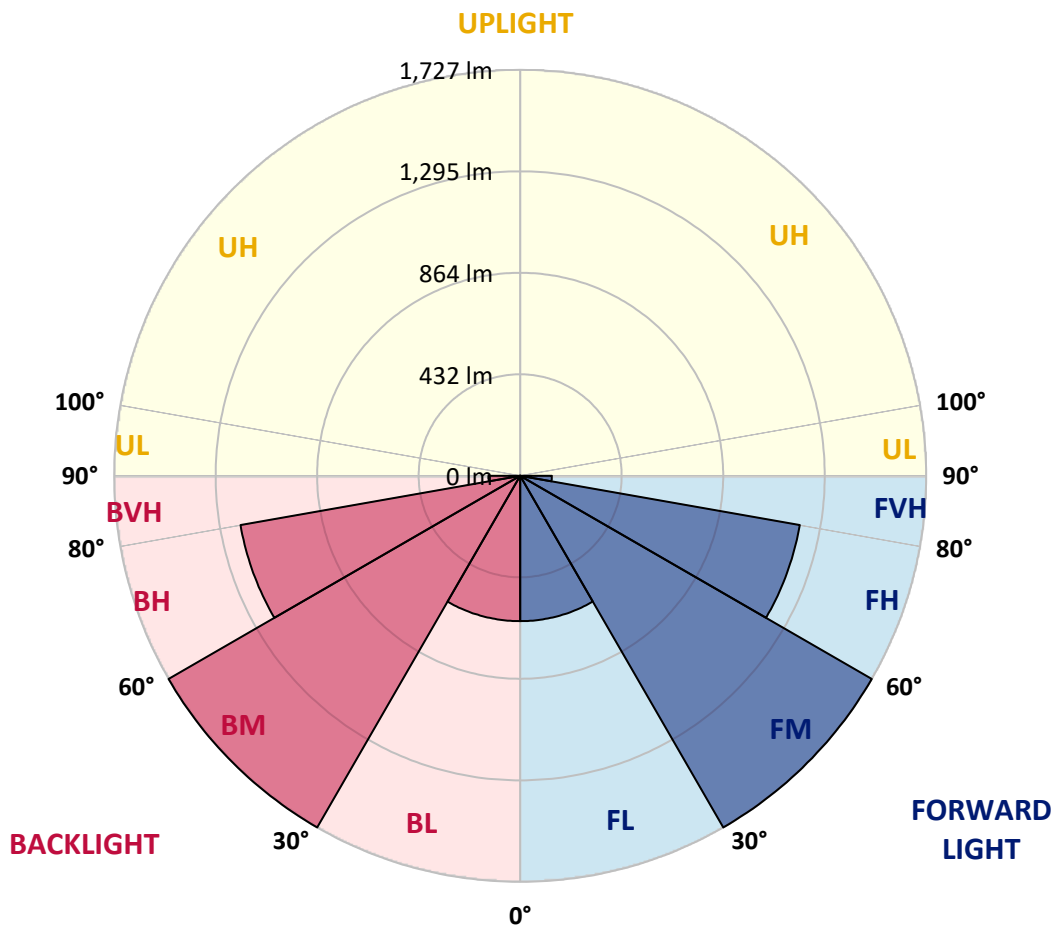
CATALOG NUMBER: TTN-D3-740-U-MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.2	8.4			
FM (30°-60°)	1727.2	23.4			
FH (60°-80°)	1208.1	16.4			G1/1800
FVH (80°-90°)	135.0	1.8			G2/225
BL (0°-30°)	618.2	8.4	B2/1000		
BM (30°-60°)	1727.2	23.4	B2/2500		
BH (60°-80°)	1208.1	16.4	B3/2500		G1/1800
BVH (80°-90°)	135.0	1.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





REPORT NUMBER: P823448

CATALOG NUMBER: TTN-D3-740-U-MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1	1552.1
2.5°	1546.3	1546.3	1546.3	1540.5	1546.3	1546.3	1546.3	1546.3	1546.3	1546.3	1546.3
5°	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7
7.5°	1517.3	1517.3	1517.3	1517.3	1517.3	1517.3	1517.3	1517.3	1517.3	1517.3	1517.3
10°	1494.2	1494.2	1494.2	1494.2	1499.9	1499.9	1499.9	1499.9	1494.2	1494.2	1494.2
12.5°	1476.8	1476.8	1476.8	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1476.8
15°	1471.0	1471.0	1471.0	1471.0	1476.8	1476.8	1476.8	1476.8	1471.0	1471.0	1471.0
17.5°	1459.4	1459.4	1459.4	1465.2	1465.2	1465.2	1465.2	1465.2	1459.4	1459.4	1459.4
20°	1447.8	1447.8	1453.6	1453.6	1459.4	1459.4	1459.4	1453.6	1453.6	1447.8	1453.6
22.5°	1447.8	1447.8	1447.8	1453.6	1453.6	1453.6	1453.6	1447.8	1447.8	1447.8	1447.8
25°	1447.8	1447.8	1453.6	1459.4	1459.4	1465.2	1459.4	1453.6	1447.8	1447.8	1447.8
27.5°	1453.6	1453.6	1459.4	1465.2	1465.2	1471.0	1465.2	1459.4	1453.6	1453.6	1453.6
30°	1453.6	1453.6	1459.4	1465.2	1465.2	1471.0	1465.2	1459.4	1453.6	1453.6	1453.6
32.5°	1442.0	1447.8	1453.6	1459.4	1465.2	1465.2	1465.2	1459.4	1453.6	1447.8	1447.8
35°	1436.2	1442.0	1447.8	1453.6	1459.4	1459.4	1459.4	1453.6	1447.8	1442.0	1442.0
37.5°	1430.4	1430.4	1442.0	1447.8	1453.6	1465.2	1459.4	1447.8	1442.0	1436.2	1436.2
40°	1424.7	1430.4	1436.2	1447.8	1453.6	1465.2	1459.4	1447.8	1436.2	1430.4	1430.4
42.5°	1424.7	1424.7	1436.2	1447.8	1459.4	1471.0	1465.2	1453.6	1436.2	1430.4	1424.7
45°	1430.4	1436.2	1453.6	1476.8	1488.4	1499.9	1494.2	1476.8	1447.8	1436.2	1430.4
47.5°	1453.6	1459.4	1476.8	1499.9	1528.9	1546.3	1528.9	1499.9	1476.8	1459.4	1453.6
50°	1465.2	1471.0	1499.9	1528.9	1569.4	1575.2	1569.4	1528.9	1499.9	1471.0	1471.0
52.5°	1488.4	1488.4	1523.1	1575.2	1610.0	1621.6	1610.0	1581.0	1523.1	1494.2	1488.4
55°	1494.2	1494.2	1534.7	1598.4	1650.5	1679.5	1650.5	1604.2	1540.5	1499.9	1499.9
57.5°	1459.4	1471.0	1523.1	1586.8	1650.5	1667.9	1650.5	1592.6	1528.9	1476.8	1471.0
60°	1418.9	1436.2	1482.6	1557.9	1604.2	1621.6	1610.0	1557.9	1488.4	1436.2	1430.4
62.5°	1378.3	1401.5	1453.6	1511.5	1581.0	1598.4	1581.0	1511.5	1453.6	1401.5	1378.3
65°	1291.5	1314.6	1389.9	1459.4	1523.1	1534.7	1528.9	1459.4	1389.9	1314.6	1303.0
67.5°	1204.6	1222.0	1274.1	1384.1	1436.2	1453.6	1442.0	1378.3	1279.9	1222.0	1216.2
70°	1111.9	1129.3	1175.6	1279.9	1332.0	1361.0	1337.8	1279.9	1175.6	1129.3	1123.5
72.5°	990.3	1013.5	1065.6	1158.3	1210.4	1239.3	1216.2	1158.3	1065.6	1007.7	996.1
75°	845.5	862.9	926.6	1001.9	1054.0	1077.2	1059.8	1007.7	926.6	862.9	857.1
77.5°	689.2	706.5	764.4	839.7	868.7	891.9	874.5	833.9	764.4	706.5	700.7
80°	521.2	538.6	590.7	648.6	677.6	700.7	683.4	642.8	590.7	538.6	532.8
82.5°	341.7	359.1	405.4	451.7	480.7	503.8	486.5	445.9	411.2	359.1	353.3
85°	144.8	162.2	202.7	249.0	272.2	295.4	278.0	243.2	202.7	167.9	162.2
87.5°	11.6	17.4	17.4	23.2	17.4	29.0	17.4	17.4	17.4	17.4	17.4
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)