

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: P832625

Luminaire Tested: **TTN-D2-735-U-WQ-SG**

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-16)
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-WQ-SG
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION WITH SOLITE GLASS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4665 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

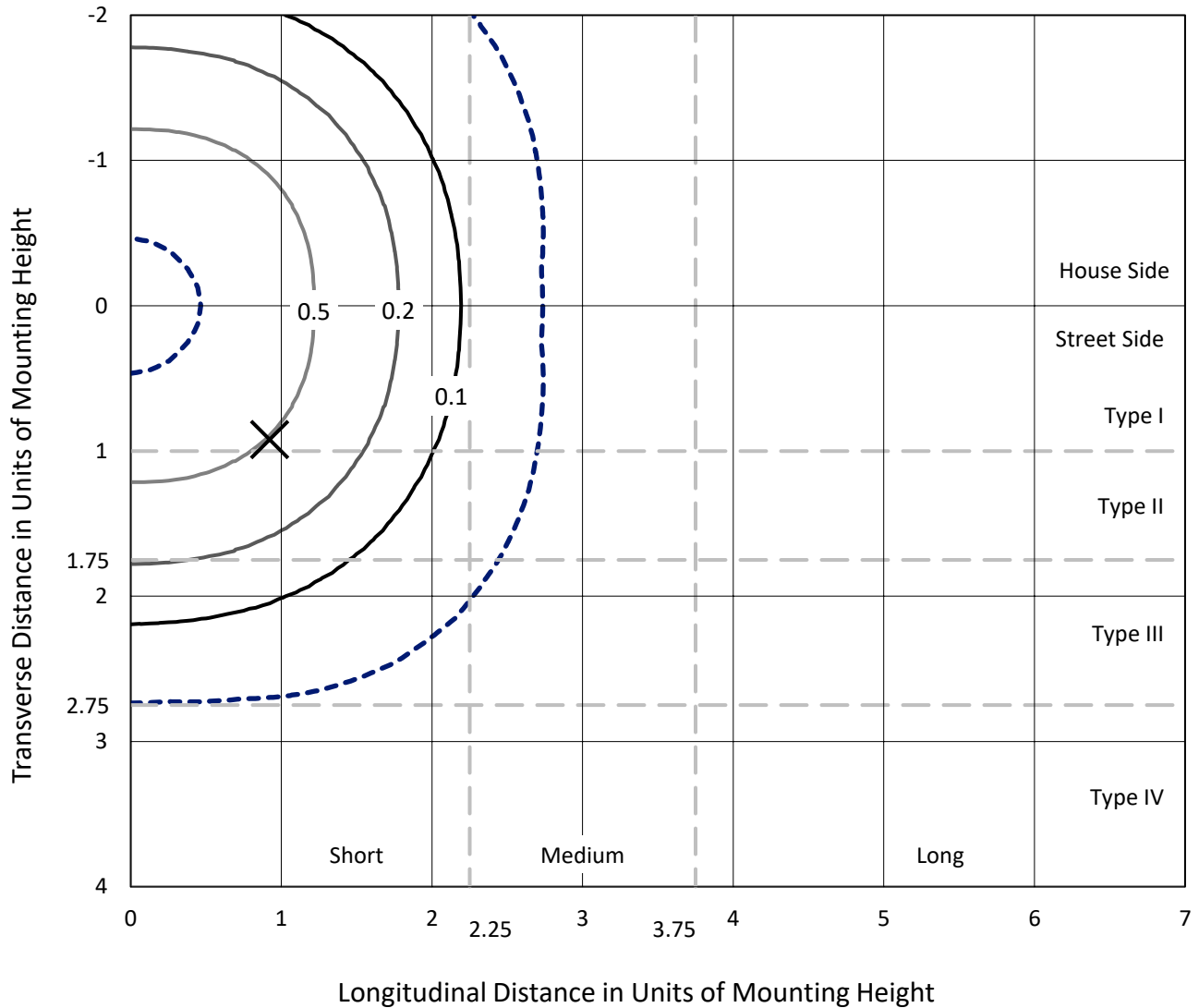
Input Watts (W): 42.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

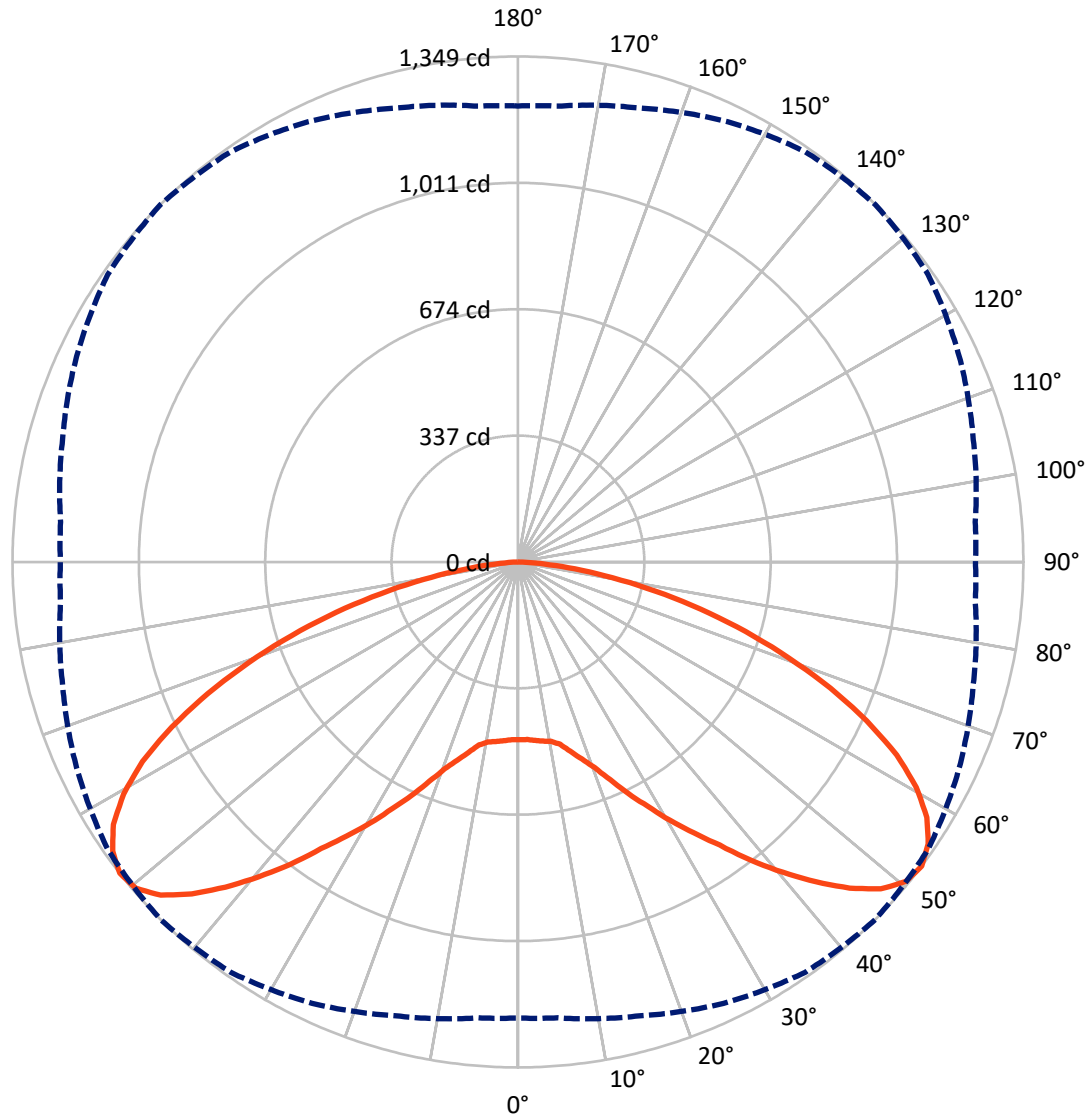
✕ Max cd
 - - - 1/2 Max cd



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 52.5-Deg Vertical

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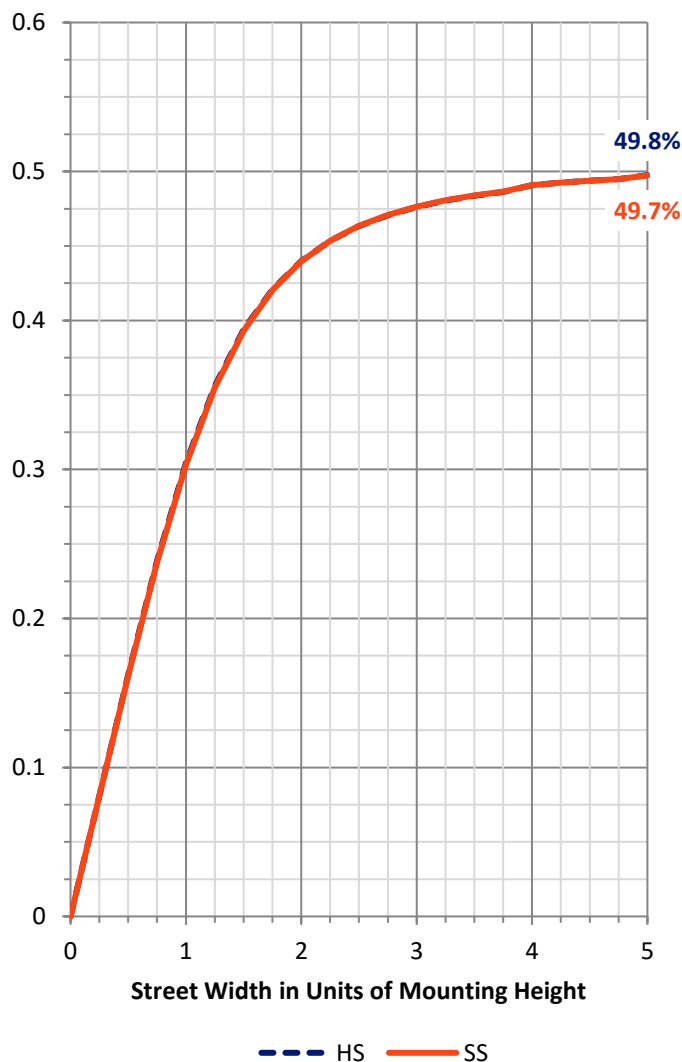
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2332.5	0.0	2332.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2332.5	0.0	2332.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4665.0	0.0	4665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	1.0
10°-20°	150.5	3.2
20°-30°	317.7	6.8
30°-40°	580.4	12.4
40°-50°	923.9	19.8
50°-60°	1117.2	23.9
60°-70°	939.4	20.1
70°-80°	497.9	10.7
80°-90°	92.1	2.0
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°	4665.0	100.0
0°-180°	4665.0	100.0

Coefficient of Utilization



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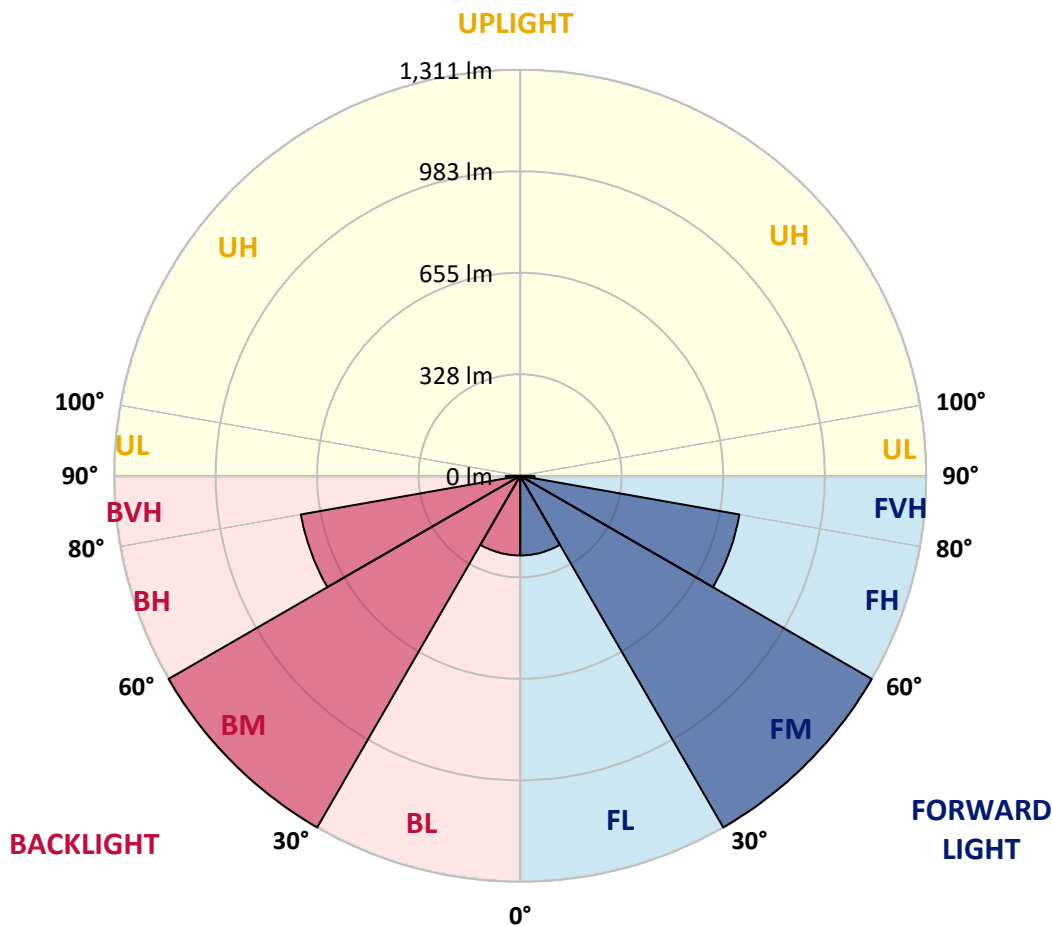
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.0	5.5			
FM (30°-60°)	1310.7	28.1			
FH (60°-80°)	718.7	15.4			G1/1800
FVH (80°-90°)	46.1	1.0			G1/100
BL (0°-30°)	257.0	5.5	B1/500		
BM (30°-60°)	1310.7	28.1	B2/2500		
BH (60°-80°)	718.7	15.4	B2/1000		G1/1800
BVH (80°-90°)	46.1	1.0			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°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3
5°	478.4	478.4	474.3	478.4	478.4	478.4	478.4	478.4	478.4	478.4	478.4
7.5°	478.4	478.4	478.4	482.5	482.5	482.5	482.5	478.4	478.4	478.4	478.4
10°	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7	486.7
12.5°	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0	499.0
15°	519.6	519.6	519.6	519.6	523.8	523.8	523.8	519.6	519.6	519.6	519.6
17.5°	544.4	544.4	548.5	548.5	552.6	552.6	552.6	548.5	544.4	548.5	544.4
20°	581.5	581.5	581.5	585.6	589.8	589.8	589.8	581.5	581.5	581.5	581.5
22.5°	622.7	622.7	622.7	626.9	631.0	631.0	631.0	622.7	622.7	622.7	622.7
25°	672.2	672.2	672.2	676.4	680.5	684.6	684.6	676.4	672.2	672.2	668.1
27.5°	721.7	721.7	730.0	734.1	738.2	738.2	738.2	730.0	725.9	725.9	725.9
30°	779.5	779.5	787.7	791.8	800.1	800.1	800.1	787.7	783.6	779.5	779.5
32.5°	833.1	837.2	845.5	853.7	861.9	861.9	866.1	849.6	841.3	837.2	837.2
35°	890.8	894.9	903.2	915.6	923.8	927.9	932.1	915.6	903.2	899.1	899.1
37.5°	956.8	960.9	973.3	985.7	1002.2	1010.4	1014.5	989.8	969.2	960.9	960.9
40°	1031.0	1035.2	1047.5	1064.0	1080.5	1088.8	1092.9	1068.2	1047.5	1039.3	1035.2
42.5°	1092.9	1101.2	1113.5	1138.3	1154.8	1167.1	1167.1	1138.3	1113.5	1101.2	1101.2
45°	1150.6	1158.9	1179.5	1204.3	1229.0	1241.4	1237.2	1208.4	1179.5	1163.0	1158.9
47.5°	1196.0	1204.3	1229.0	1257.9	1290.9	1303.2	1299.1	1266.1	1229.0	1208.4	1204.3
50°	1220.8	1224.9	1253.7	1295.0	1328.0	1340.4	1332.1	1299.1	1257.9	1229.0	1224.9
52.5°	1216.6	1220.8	1253.7	1299.1	1336.2	1348.6	1336.2	1299.1	1257.9	1224.9	1220.8
55°	1191.9	1196.0	1229.0	1278.5	1315.6	1328.0	1315.6	1278.5	1233.1	1200.1	1196.0
57.5°	1146.5	1150.6	1183.6	1233.1	1274.4	1286.7	1270.2	1229.0	1183.6	1150.6	1150.6
60°	1080.5	1084.7	1117.6	1171.3	1208.4	1220.8	1200.1	1167.1	1121.8	1084.7	1080.5
62.5°	993.9	993.9	1031.0	1084.7	1117.6	1134.1	1113.5	1076.4	1035.2	993.9	998.0
65°	890.8	886.7	923.8	973.3	1010.4	1022.8	1002.2	969.2	927.9	890.8	890.8
67.5°	783.6	783.6	812.5	853.7	886.7	899.1	878.4	849.6	816.6	783.6	783.6
70°	668.1	668.1	688.7	730.0	758.8	767.1	754.7	725.9	697.0	668.1	668.1
72.5°	552.6	548.5	569.1	602.1	626.9	635.1	622.7	606.3	573.3	552.6	552.6
75°	437.2	433.0	445.4	474.3	494.9	503.1	490.8	478.4	453.7	437.2	437.2
77.5°	325.8	321.7	334.1	358.8	371.2	375.3	367.1	358.8	338.2	325.8	325.8
80°	222.7	218.6	226.8	243.3	255.7	255.7	251.6	247.4	231.0	222.7	226.8
82.5°	132.0	127.8	136.1	148.5	156.7	152.6	152.6	148.5	136.1	132.0	132.0
85°	57.7	53.6	57.7	66.0	74.2	70.1	70.1	70.1	61.9	57.7	57.7
87.5°	8.2	8.2	8.2	12.4	16.5	12.4	12.4	12.4	8.2	8.2	8.2
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)