

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: P823383

Luminaire Tested: **TTN-D2-735-U-MQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823383
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-D2-735-U-MQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5254 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

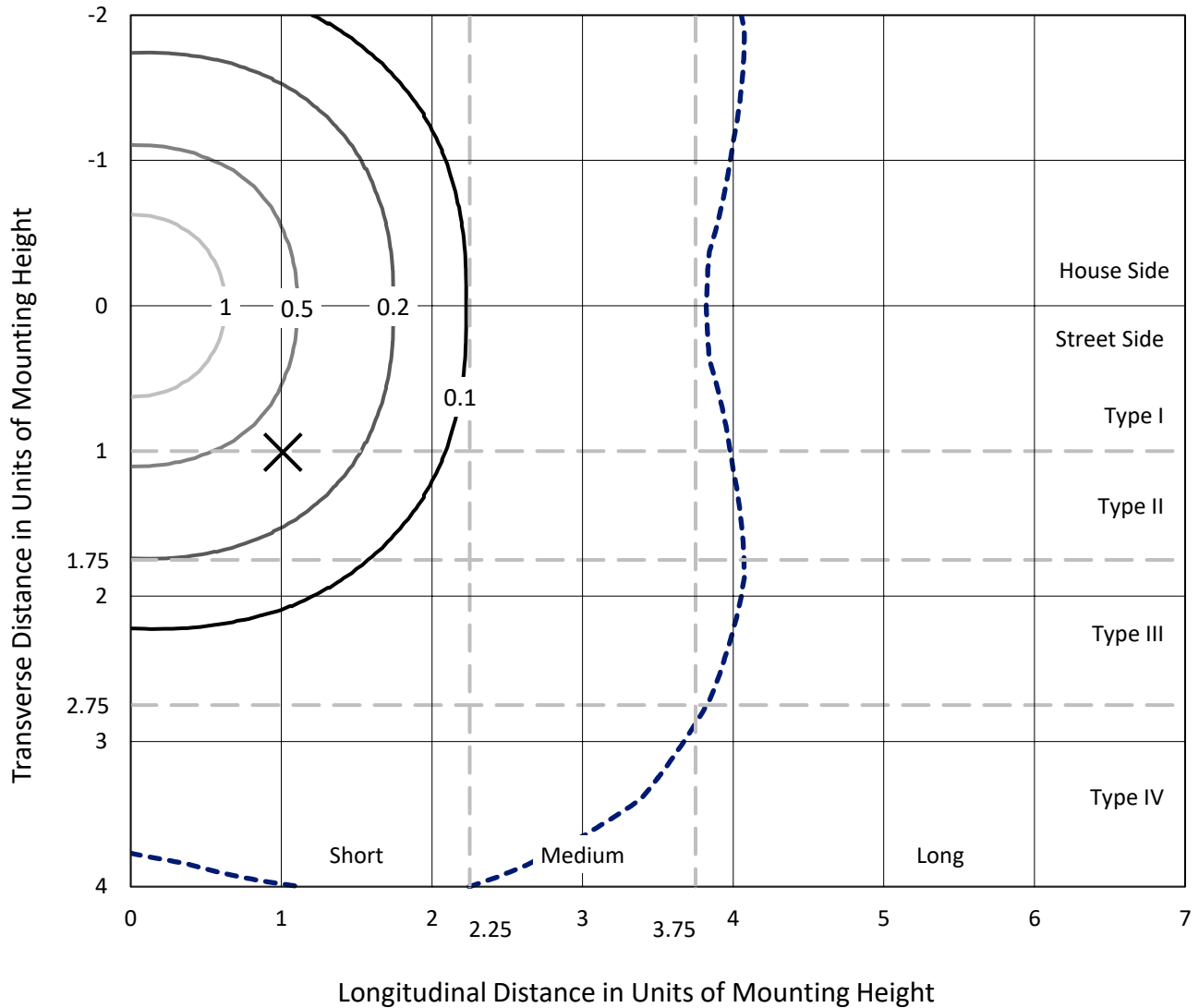
Input Watts (W): 42.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

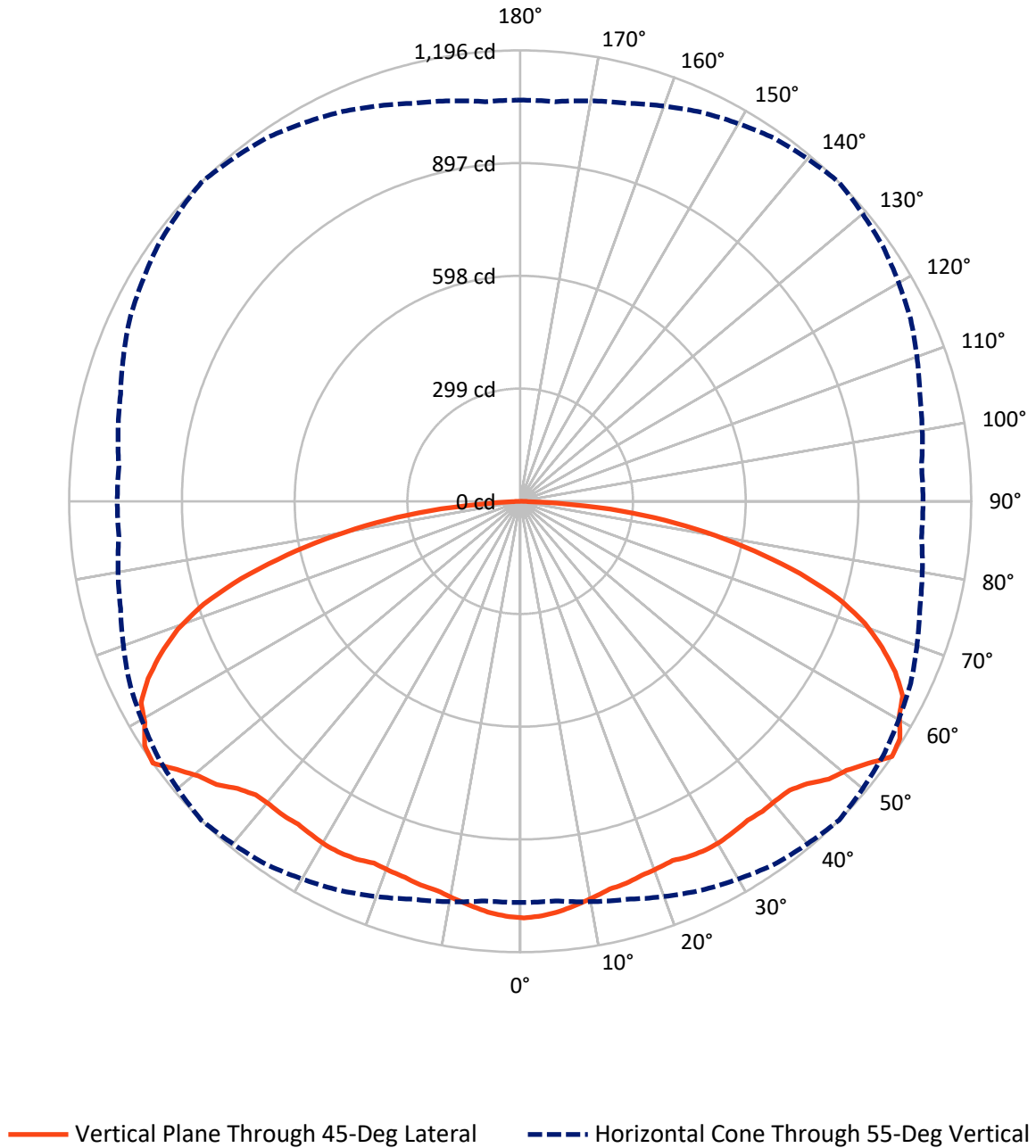
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

REPORT NUMBER: P823383
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Luminous Intensity Polar Plot



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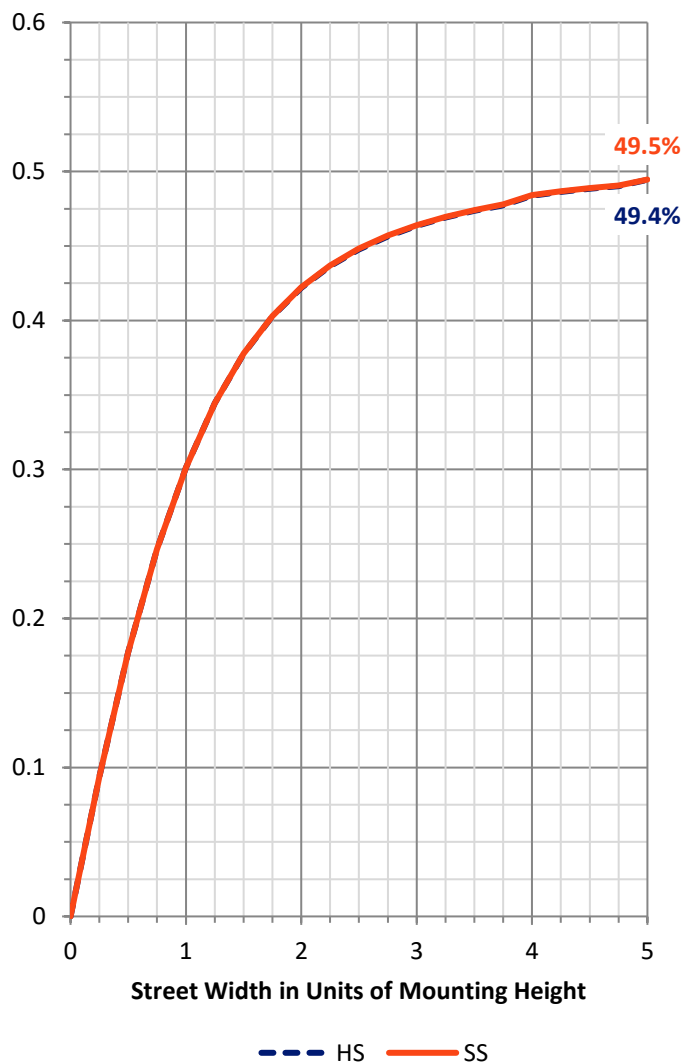
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2627.0	0.0	2627.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2627.0	0.0	2627.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5254.0	0.0	5254.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	2.0
10°-20°	297.0	5.7
20°-30°	480.1	9.1
30°-40°	649.6	12.4
40°-50°	813.7	15.5
50°-60°	997.1	19.0
60°-70°	999.5	19.0
70°-80°	721.3	13.7
80°-90°	192.3	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°	5254.0	100.0
0°-180°	5254.0	100.0

Coefficient of Utilization



REPORT NUMBER: P823383

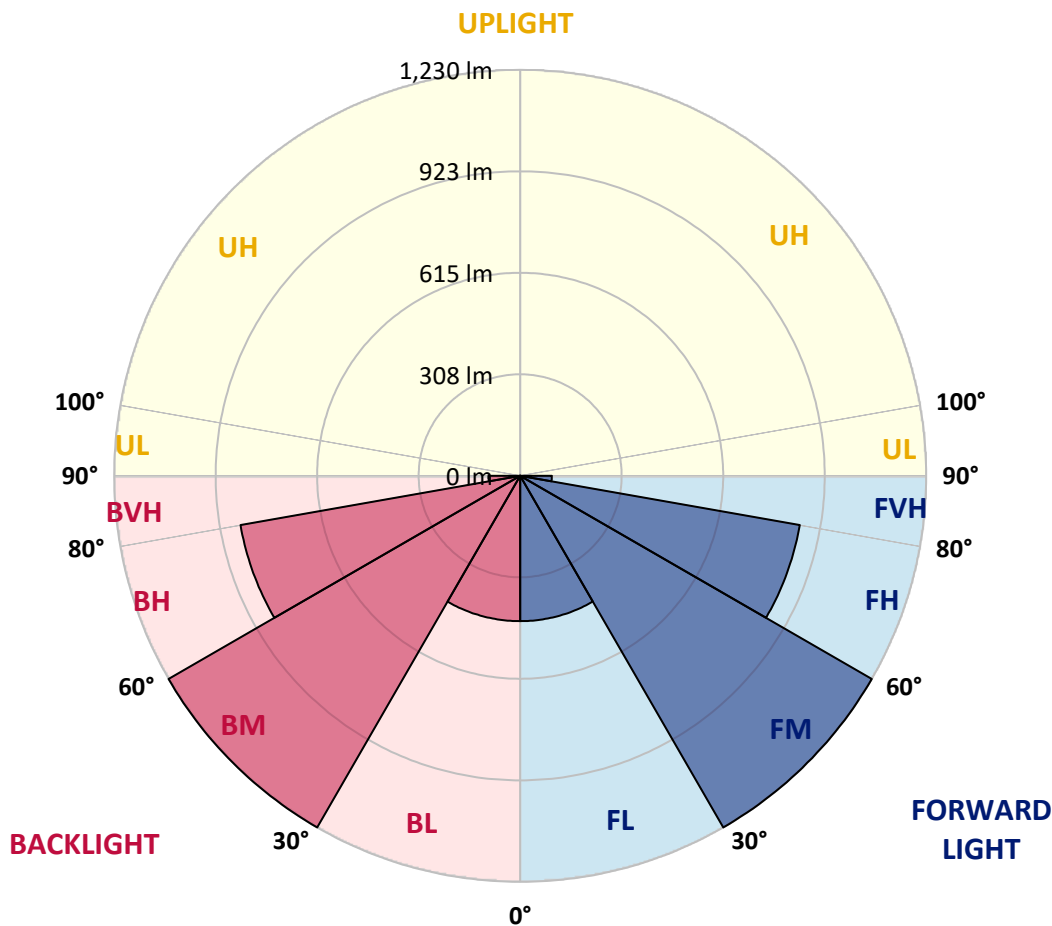
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	440.3	8.4			
FM (30°-60°)	1230.2	23.4			
FH (60°-80°)	860.4	16.4			G1/1800
FVH (80°-90°)	96.2	1.8			G1/100
BL (0°-30°)	440.3	8.4	B1/500		
BM (30°-60°)	1230.2	23.4	B2/2500		
BH (60°-80°)	860.4	16.4	B2/1000		G1/1800
BVH (80°-90°)	96.2	1.8			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1101.3	1101.3	1101.3	1097.2	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3	1101.3
5°	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0	1093.0
7.5°	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7	1080.7
10°	1064.2	1064.2	1064.2	1064.2	1068.3	1068.3	1068.3	1068.3	1064.2	1064.2	1064.2
12.5°	1051.8	1051.8	1051.8	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1051.8
15°	1047.7	1047.7	1047.7	1047.7	1051.8	1051.8	1051.8	1051.8	1047.7	1047.7	1047.7
17.5°	1039.4	1039.4	1039.4	1043.5	1043.5	1043.5	1043.5	1043.5	1039.4	1039.4	1039.4
20°	1031.2	1031.2	1035.3	1035.3	1039.4	1039.4	1039.4	1035.3	1035.3	1031.2	1035.3
22.5°	1031.2	1031.2	1031.2	1035.3	1035.3	1035.3	1035.3	1031.2	1031.2	1031.2	1031.2
25°	1031.2	1031.2	1035.3	1039.4	1039.4	1043.5	1039.4	1035.3	1031.2	1031.2	1031.2
27.5°	1035.3	1035.3	1039.4	1043.5	1043.5	1047.7	1043.5	1039.4	1035.3	1035.3	1035.3
30°	1035.3	1035.3	1039.4	1043.5	1043.5	1047.7	1043.5	1039.4	1035.3	1035.3	1035.3
32.5°	1027.0	1031.2	1035.3	1039.4	1043.5	1043.5	1043.5	1039.4	1035.3	1031.2	1031.2
35°	1022.9	1027.0	1031.2	1035.3	1039.4	1039.4	1039.4	1035.3	1031.2	1027.0	1027.0
37.5°	1018.8	1018.8	1027.0	1031.2	1035.3	1043.5	1039.4	1031.2	1027.0	1022.9	1022.9
40°	1014.7	1018.8	1022.9	1031.2	1035.3	1043.5	1039.4	1031.2	1022.9	1018.8	1018.8
42.5°	1014.7	1014.7	1022.9	1031.2	1039.4	1047.7	1043.5	1035.3	1022.9	1018.8	1014.7
45°	1018.8	1022.9	1035.3	1051.8	1060.0	1068.3	1064.2	1051.8	1031.2	1022.9	1018.8
47.5°	1035.3	1039.4	1051.8	1068.3	1088.9	1101.3	1088.9	1068.3	1051.8	1039.4	1035.3
50°	1043.5	1047.7	1068.3	1088.9	1117.8	1121.9	1117.8	1088.9	1068.3	1047.7	1047.7
52.5°	1060.0	1060.0	1084.8	1121.9	1146.6	1154.9	1146.6	1126.0	1084.8	1064.2	1060.0
55°	1064.2	1064.2	1093.0	1138.4	1175.5	1196.1	1175.5	1142.5	1097.2	1068.3	1068.3
57.5°	1039.4	1047.7	1084.8	1130.1	1175.5	1187.9	1175.5	1134.3	1088.9	1051.8	1047.7
60°	1010.5	1022.9	1055.9	1109.5	1142.5	1154.9	1146.6	1109.5	1060.0	1022.9	1018.8
62.5°	981.7	998.2	1035.3	1076.5	1126.0	1138.4	1126.0	1076.5	1035.3	998.2	981.7
65°	919.8	936.3	989.9	1039.4	1084.8	1093.0	1088.9	1039.4	989.9	936.3	928.0
67.5°	857.9	870.3	907.4	985.8	1022.9	1035.3	1027.0	981.7	911.5	870.3	866.2
70°	791.9	804.3	837.3	911.5	948.7	969.3	952.8	911.5	837.3	804.3	800.2
72.5°	705.3	721.8	758.9	824.9	862.0	882.7	866.2	824.9	758.9	717.7	709.4
75°	602.2	614.6	659.9	713.6	750.7	767.2	754.8	717.7	659.9	614.6	610.4
77.5°	490.8	503.2	544.5	598.1	618.7	635.2	622.8	593.9	544.5	503.2	499.1
80°	371.2	383.6	420.7	462.0	482.6	499.1	486.7	457.8	420.7	383.6	379.5
82.5°	243.4	255.7	288.7	321.7	342.3	358.8	346.5	317.6	292.8	255.7	251.6
85°	103.1	115.5	144.4	177.4	193.9	210.4	198.0	173.2	144.4	119.6	115.5
87.5°	8.2	12.4	12.4	16.5	12.4	20.6	12.4	12.4	12.4	12.4	12.4
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)