

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: P832683

Luminaire Tested: **TTN-D3-735-U-RW-CG**

Issue Date: 5/14/2024

Test Information

Test Method: LM-79-08
Report Number: P832683
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-D3-735-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: 6098 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

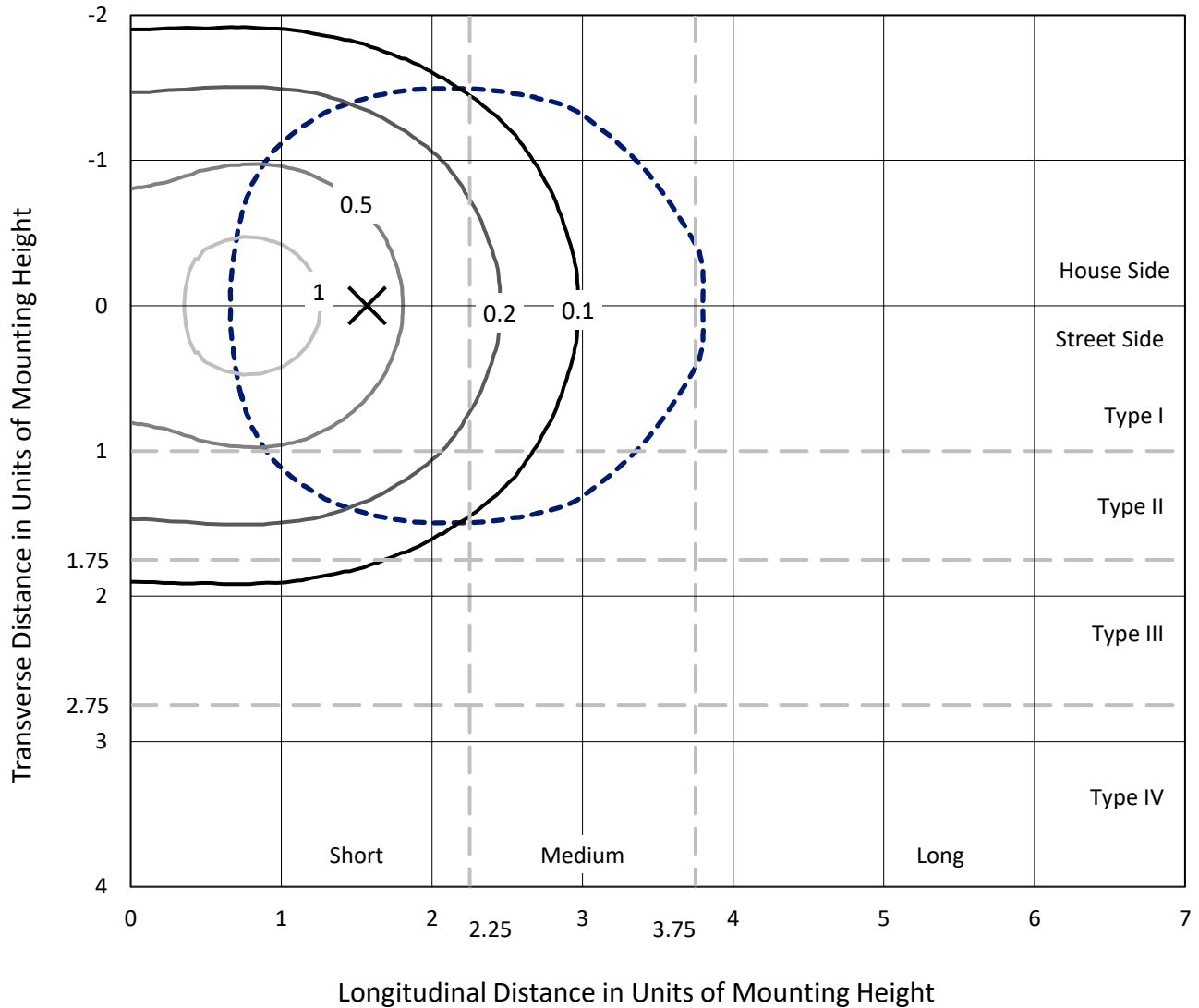
Input Watts (W): 59.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

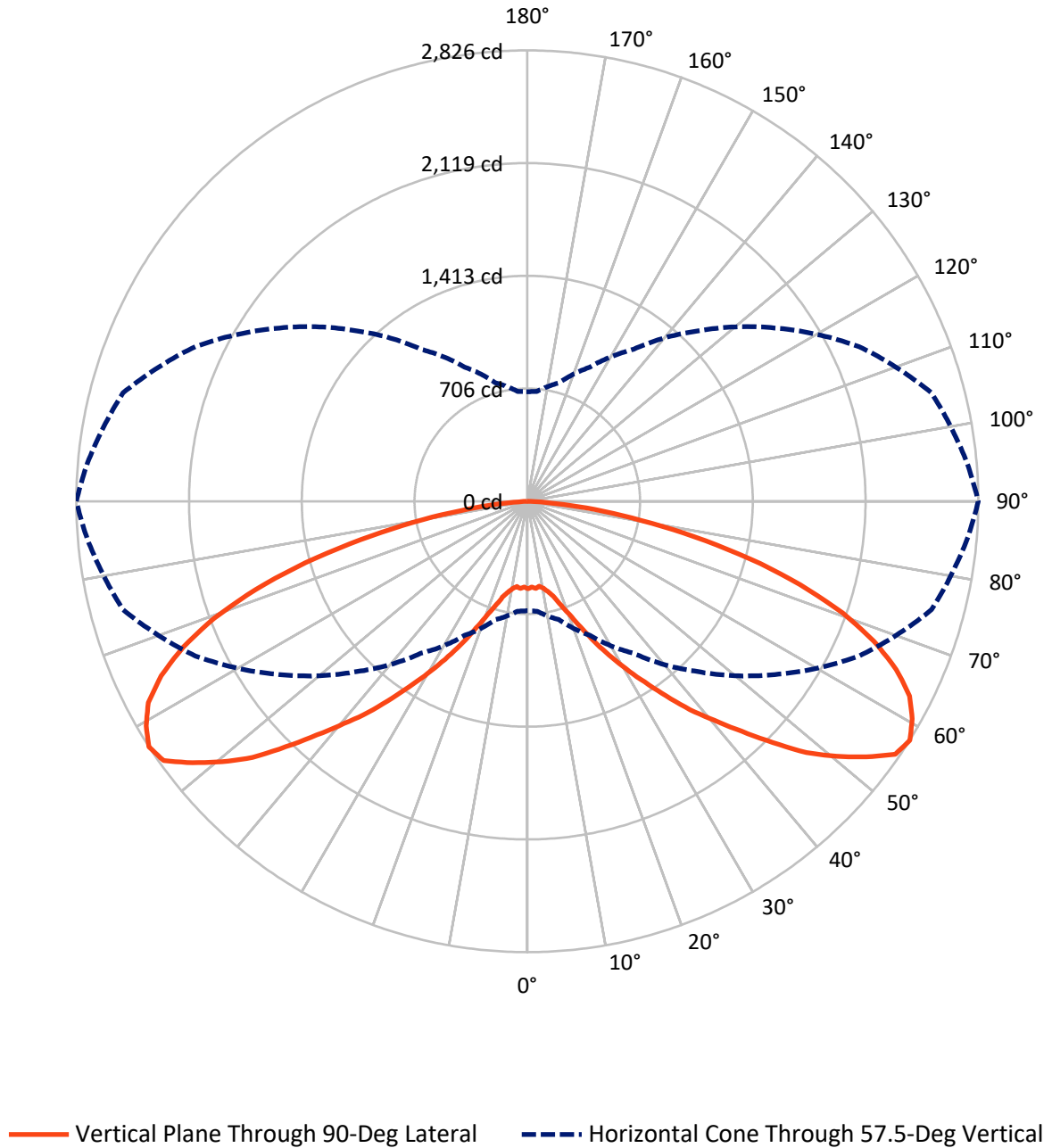
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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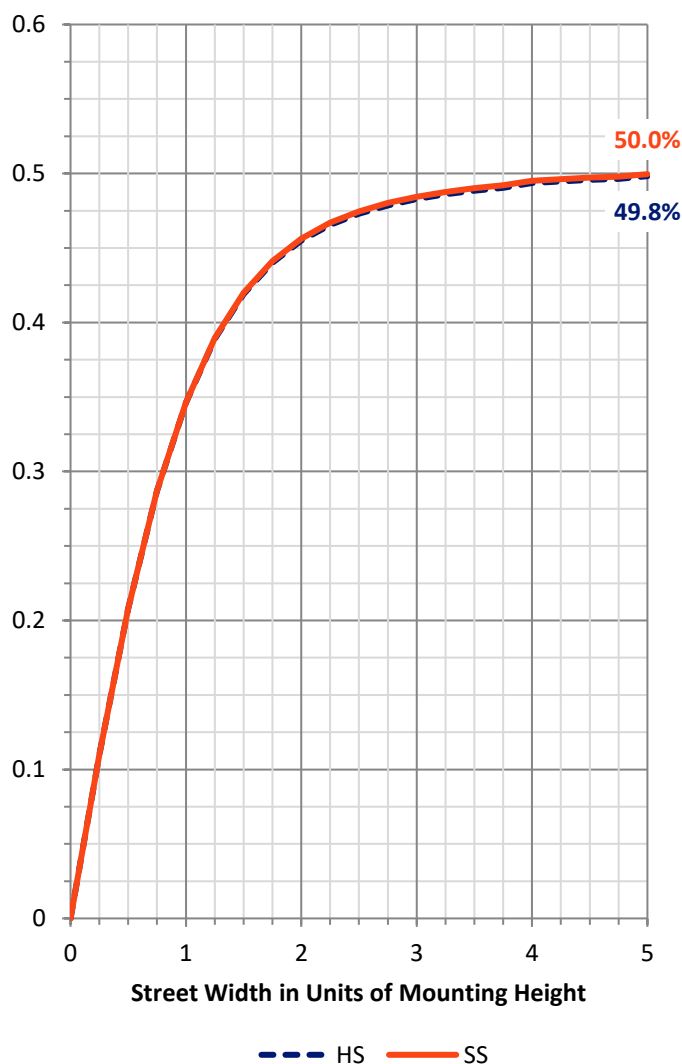
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3049.0	0.0	3049.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3049.0	0.0	3049.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6098.0	0.0	6098.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	0.9
10°-20°	168.5	2.8
20°-30°	358.6	5.9
30°-40°	661.0	10.8
40°-50°	1064.2	17.5
50°-60°	1440.4	23.6
60°-70°	1400.5	23.0
70°-80°	814.8	13.4
80°-90°	137.7	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°	6098.0	100.0
0°-180°	6098.0	100.0

Coefficient of Utilization



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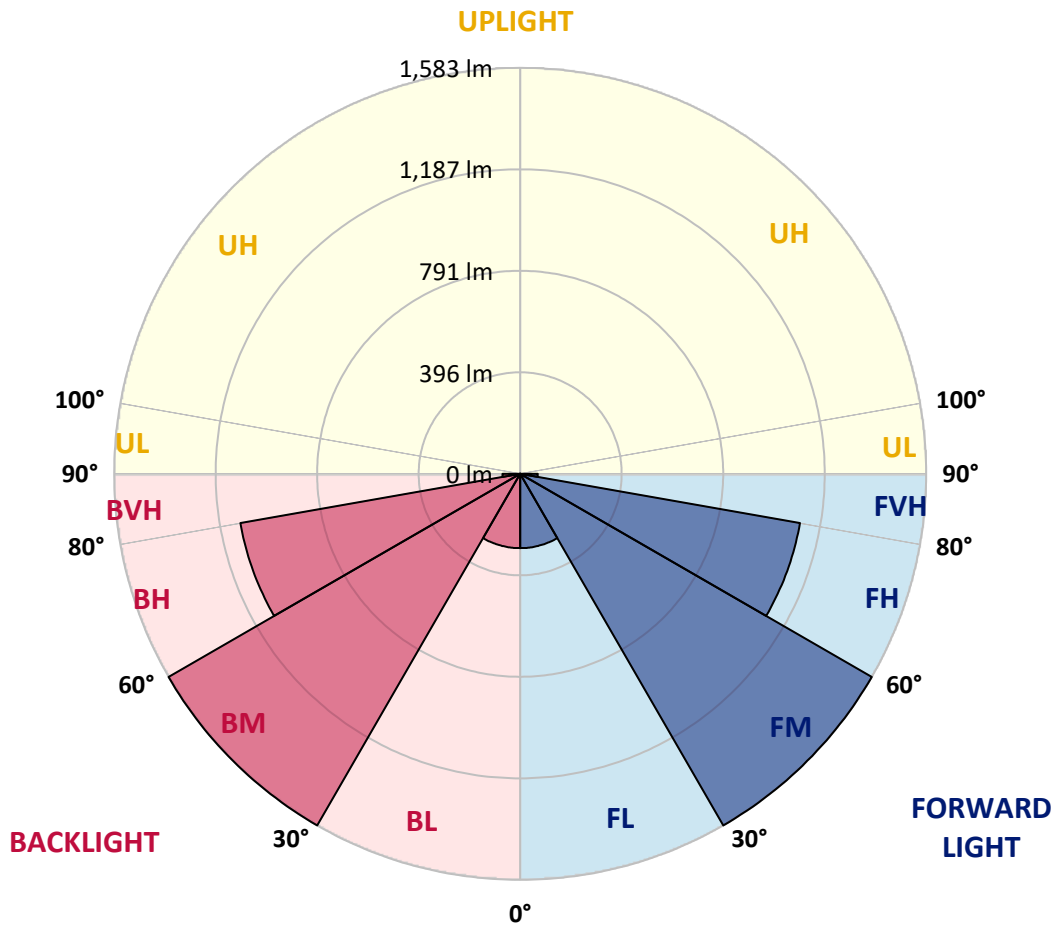
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.7	4.8			
FM (30°-60°)	1582.8	26.0			
FH (60°-80°)	1107.7	18.2			G1/1800
FVH (80°-90°)	68.9	1.1			G1/100
BL (0°-30°)	289.7	4.8	B1/500		
BM (30°-60°)	1582.8	26.0	B2/2500		
BH (60°-80°)	1107.7	18.2	B3/2500		G3/2500
BVH (80°-90°)	68.9	1.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7
2.5°	548.7	548.7	548.7	548.7	543.2	543.2	543.2	537.7	537.7	537.7	537.7
5°	548.7	548.7	548.7	554.2	554.2	554.2	548.7	548.7	548.7	548.7	548.7
7.5°	548.7	554.2	554.2	548.7	548.7	543.2	543.2	543.2	537.7	537.7	537.7
10°	548.7	548.7	548.7	548.7	543.2	543.2	548.7	548.7	554.2	554.2	554.2
12.5°	543.2	543.2	548.7	548.7	548.7	554.2	565.1	570.6	576.1	581.6	581.6
15°	548.7	548.7	554.2	559.6	565.1	576.1	592.6	609.0	620.0	625.5	620.0
17.5°	548.7	554.2	559.6	570.6	587.1	603.5	631.0	652.9	674.9	680.3	685.8
20°	559.6	559.6	565.1	587.1	614.5	641.9	680.3	718.7	746.2	757.2	757.2
22.5°	565.1	570.6	576.1	603.5	647.4	691.3	746.2	790.1	828.5	850.4	855.9
25°	581.6	581.6	592.6	631.0	685.8	751.7	823.0	888.8	938.2	965.6	971.1
27.5°	592.6	598.0	614.5	663.9	735.2	817.5	916.3	993.1	1053.4	1086.4	1091.8
30°	603.5	609.0	641.9	696.8	784.6	883.3	998.6	1097.3	1174.1	1212.5	1218.0
32.5°	620.0	625.5	663.9	724.2	828.5	949.2	1080.9	1201.6	1311.3	1344.2	1349.7
35°	636.4	641.9	685.8	757.2	877.9	1015.0	1168.7	1311.3	1443.0	1486.9	1497.9
37.5°	652.9	658.4	702.3	790.1	927.2	1086.4	1267.4	1437.5	1580.2	1640.5	1657.0
40°	669.4	674.9	724.2	823.0	976.6	1163.2	1371.7	1558.2	1722.8	1794.1	1805.1
42.5°	680.3	685.8	740.7	850.4	1026.0	1234.5	1481.4	1689.9	1865.5	1958.7	1969.7
45°	696.8	702.3	762.6	888.8	1069.9	1316.8	1585.6	1838.0	2041.0	2145.3	2156.2
47.5°	707.8	713.3	779.1	910.8	1119.3	1393.6	1695.4	1969.7	2211.1	2320.8	2353.8
50°	713.3	718.7	790.1	932.7	1152.2	1448.5	1783.2	2101.4	2359.3	2496.4	2512.9
52.5°	713.3	724.2	795.6	949.2	1174.1	1497.9	1854.5	2211.1	2501.9	2655.5	2661.0
55°	707.8	713.3	790.1	943.7	1185.1	1519.8	1903.9	2277.0	2600.7	2748.8	2798.2
57.5°	685.8	691.3	768.1	927.2	1163.2	1508.8	1892.9	2293.4	2622.6	2765.3	2825.6
60°	652.9	663.9	735.2	888.8	1130.2	1470.4	1860.0	2260.5	2589.7	2765.3	2770.8
62.5°	614.5	620.0	691.3	839.5	1080.9	1410.1	1799.6	2194.7	2512.9	2693.9	2688.5
65°	559.6	565.1	625.5	779.1	993.1	1294.8	1678.9	2090.4	2364.7	2556.8	2540.3
67.5°	499.3	504.8	559.6	696.8	888.8	1168.7	1514.3	1914.8	2156.2	2353.8	2342.8
70°	433.4	433.4	482.8	598.0	779.1	1026.0	1333.3	1684.4	1925.8	2090.4	2095.9
72.5°	356.6	356.6	400.5	499.3	652.9	861.4	1124.8	1437.5	1635.0	1777.7	1788.6
75°	279.8	274.3	312.7	395.0	515.7	685.8	888.8	1157.7	1311.3	1448.5	1443.0
77.5°	197.5	197.5	219.5	285.3	373.1	510.3	658.4	872.4	976.6	1091.8	1069.9
80°	126.2	126.2	137.2	186.5	246.9	340.2	433.4	592.6	663.9	751.7	724.2
82.5°	65.8	60.4	71.3	98.8	131.7	186.5	241.4	345.7	378.6	444.4	422.5
85°	21.9	21.9	21.9	32.9	49.4	71.3	93.3	148.1	153.6	197.5	181.1
87.5°	5.5	0.0	0.0	5.5	5.5	5.5	5.5	16.5	16.5	32.9	21.9
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)