

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: P823334

Luminaire Tested: **TTN-D1-750-U-RW**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-10)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D1-750-U-RW
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
5000K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3278 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

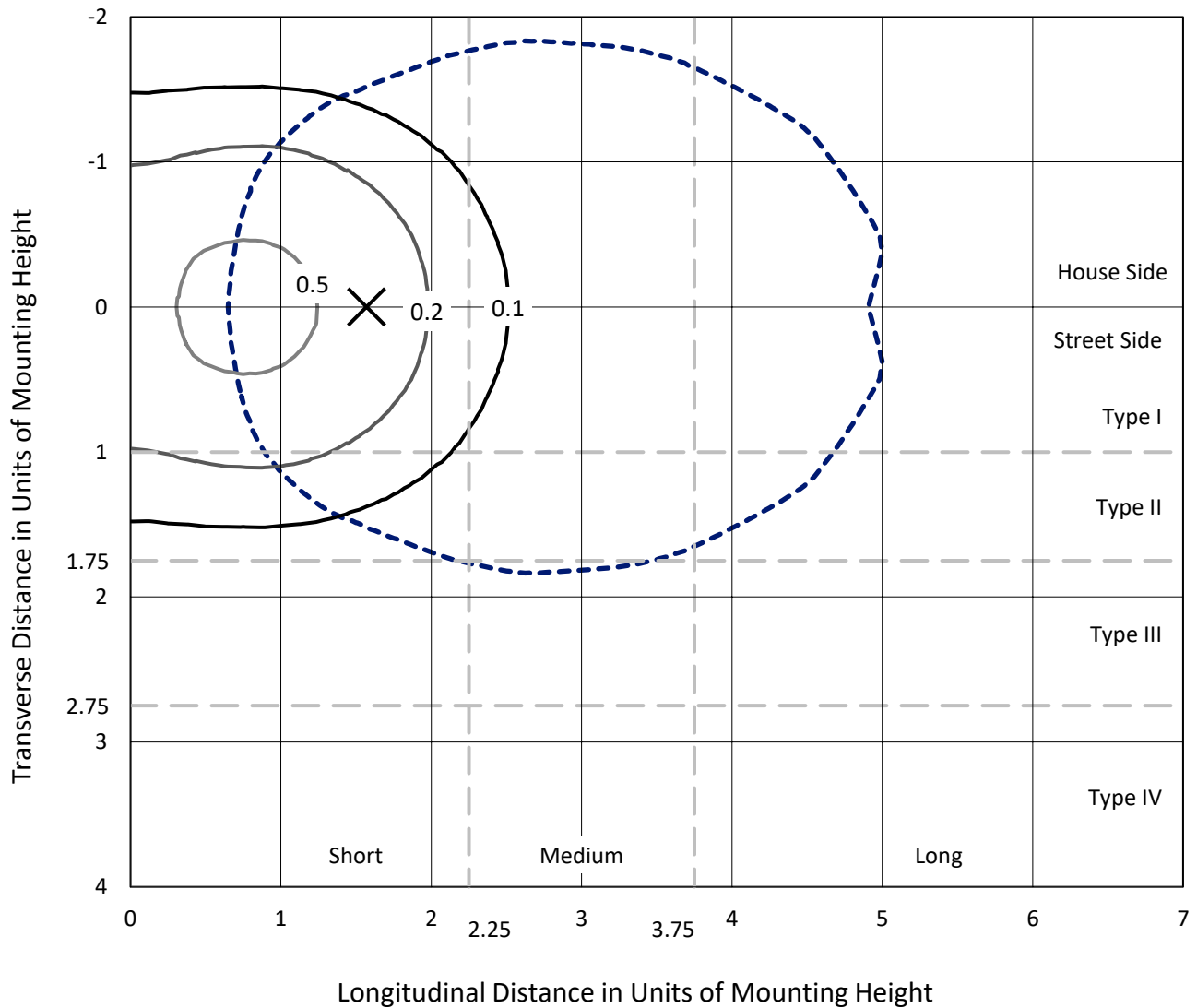
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P823334
 CATALOG NUMBER: TTN-D1-750-U-RW

Iso-Footcandle Lines of Horizontal Illumination

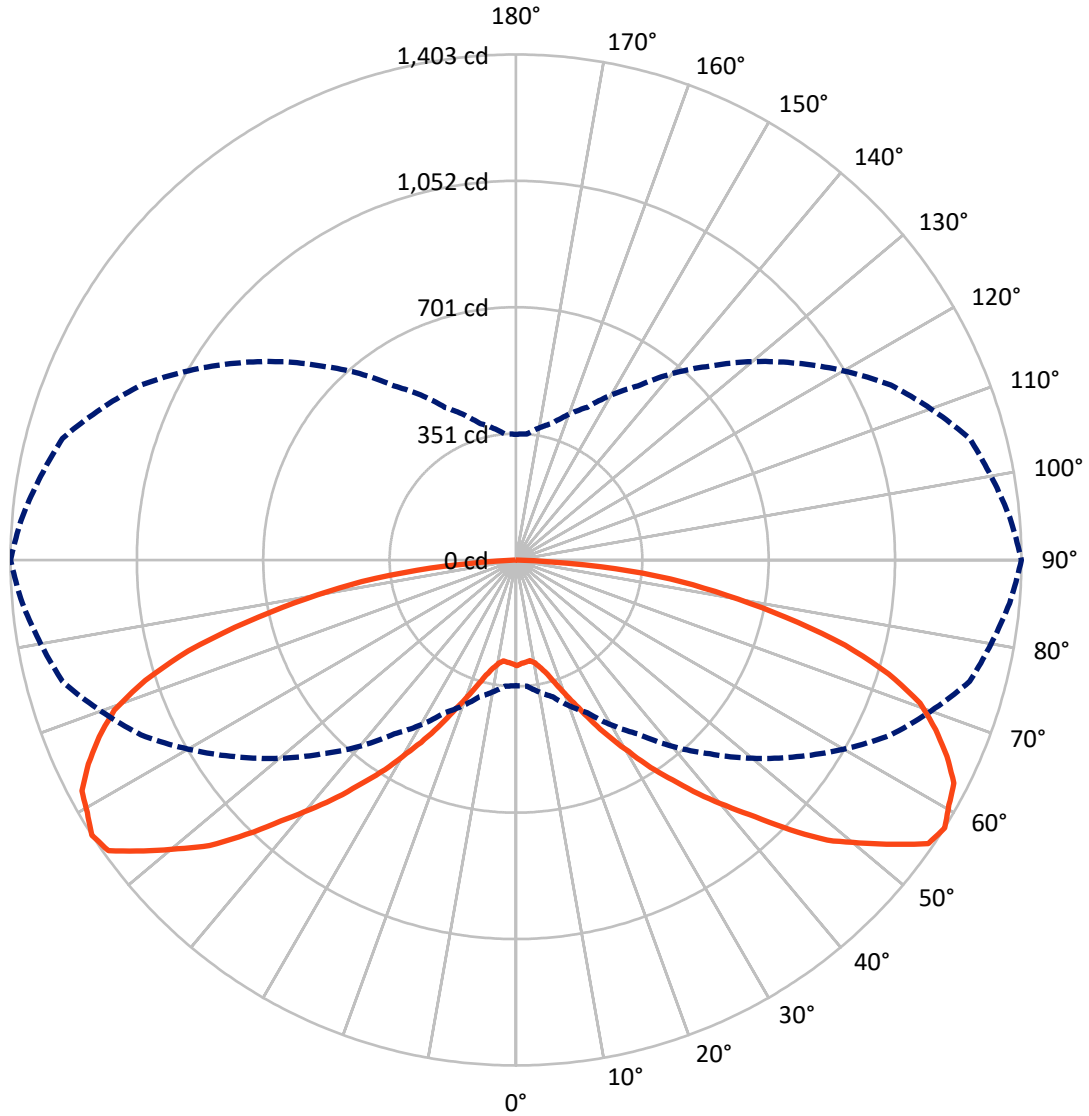
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

REPORT NUMBER: P823334
CATALOG NUMBER: TTN-D1-750-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P823334

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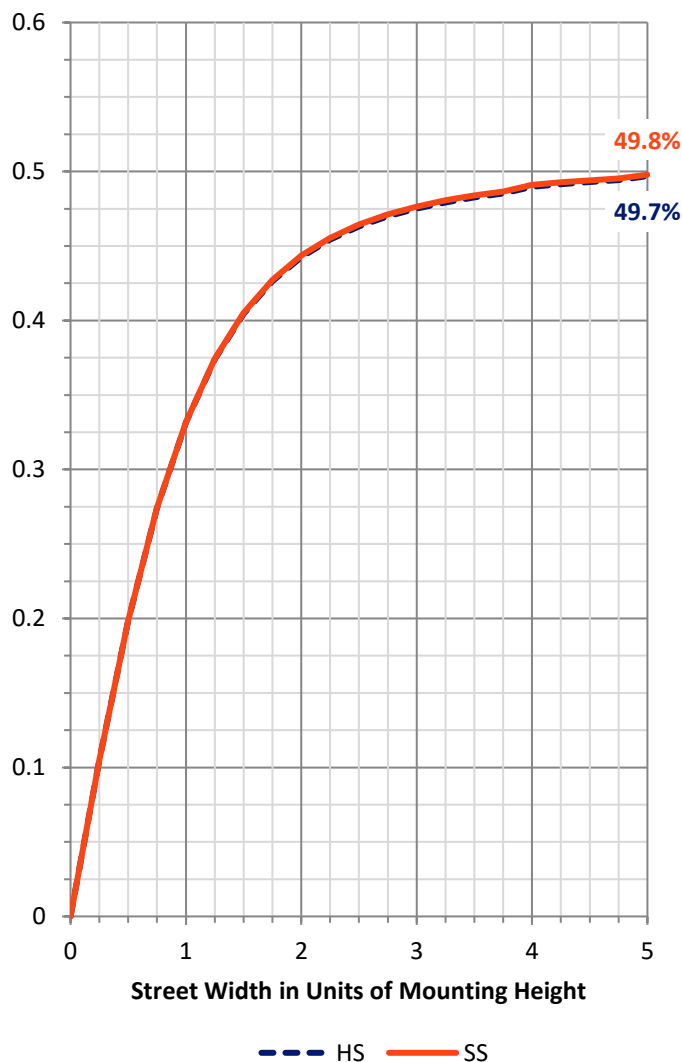
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1639.0	0.0	1639.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1639.0	0.0	1639.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3278.0	0.0	3278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	0.8
10°-20°	87.9	2.7
20°-30°	183.4	5.6
30°-40°	328.9	10.0
40°-50°	525.6	16.0
50°-60°	719.5	22.0
60°-70°	742.2	22.6
70°-80°	527.8	16.1
80°-90°	135.1	4.1
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°	3278.0	100.0
0°-180°	3278.0	100.0

Coefficient of Utilization



REPORT NUMBER: P823334

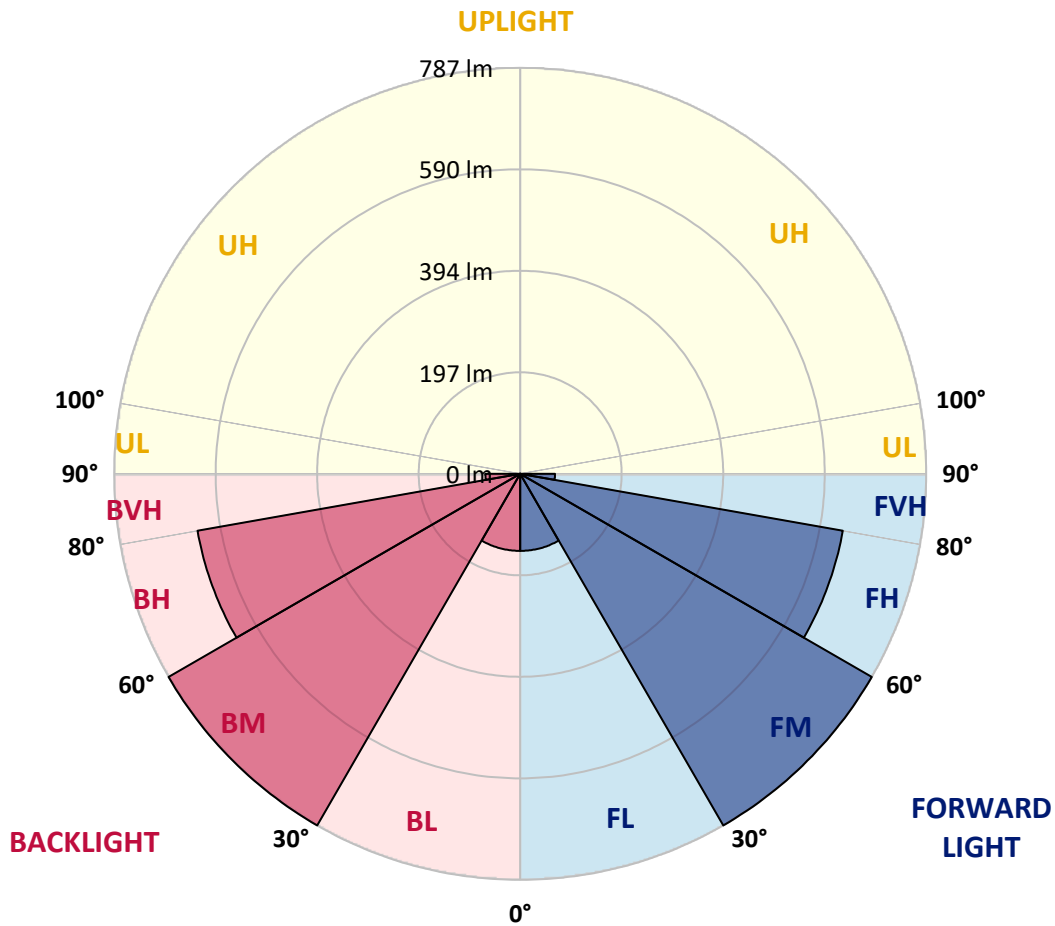
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.4	4.6			
FM	(30°-60°)	787.0	24.0			
FH	(60°-80°)	635.0	19.4			G0/660
FVH	(80°-90°)	67.5	2.1			G1/100
BL	(0°-30°)	149.4	4.6	B1/500		
BM	(30°-60°)	787.0	24.0	B1/1000		
BH	(60°-80°)	635.0	19.4	B2/1000		G2/1000
BVH	(80°-90°)	67.5	2.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
2.5°	293.2	293.2	290.5	290.5	290.5	287.7	287.7	287.7	287.7	284.9	287.7
5°	293.2	293.2	293.2	293.2	290.5	287.7	287.7	287.7	284.9	284.9	284.9
7.5°	290.5	290.5	290.5	290.5	287.7	284.9	284.9	284.9	282.2	282.2	282.2
10°	287.7	290.5	287.7	287.7	284.9	284.9	287.7	287.7	290.5	290.5	290.5
12.5°	284.9	284.9	284.9	287.7	287.7	290.5	296.0	301.5	304.3	307.1	307.1
15°	284.9	284.9	287.7	290.5	296.0	301.5	309.8	318.1	323.7	329.2	329.2
17.5°	284.9	284.9	287.7	296.0	304.3	315.4	329.2	340.3	351.3	359.6	362.4
20°	284.9	284.9	290.5	301.5	318.1	334.7	354.1	370.7	387.3	401.1	401.1
22.5°	287.7	290.5	296.0	309.8	334.7	359.6	384.5	409.4	428.8	445.4	445.4
25°	293.2	293.2	301.5	323.7	354.1	387.3	423.2	453.7	478.6	500.7	500.7
27.5°	296.0	298.8	309.8	337.5	376.2	417.7	467.5	503.5	536.7	556.0	558.8
30°	301.5	304.3	320.9	348.6	395.6	448.1	506.2	556.0	592.0	611.4	616.9
32.5°	304.3	307.1	329.2	362.4	414.9	475.8	542.2	605.8	655.6	677.7	686.0
35°	312.6	315.4	337.5	376.2	437.1	506.2	583.7	658.4	716.5	744.1	749.7
37.5°	320.9	323.7	345.8	390.1	459.2	539.4	628.0	713.7	780.1	813.3	824.4
40°	326.4	329.2	354.1	406.6	484.1	575.4	677.7	771.8	846.5	888.0	896.3
42.5°	334.7	337.5	365.2	420.5	506.2	611.4	730.3	835.4	915.7	962.7	973.7
45°	343.0	345.8	376.2	437.1	531.1	650.1	782.9	910.1	1001.4	1056.7	1067.8
47.5°	351.3	354.1	387.3	453.7	556.0	688.8	838.2	976.5	1087.2	1139.7	1161.9
50°	354.1	359.6	392.8	464.7	572.6	722.0	885.2	1042.9	1159.1	1228.2	1233.8
52.5°	356.9	362.4	398.4	473.0	586.5	746.9	924.0	1098.2	1233.8	1316.8	1311.2
55°	359.6	359.6	398.4	473.0	592.0	763.5	951.6	1134.2	1283.6	1350.0	1388.7
57.5°	348.6	351.3	392.8	467.5	589.2	760.7	951.6	1148.0	1302.9	1374.9	1402.5
60°	334.7	340.3	379.0	453.7	578.2	752.4	946.1	1142.5	1311.2	1388.7	1380.4
62.5°	315.4	326.4	359.6	434.3	561.6	733.1	937.8	1128.7	1291.9	1372.1	1363.8
65°	293.2	304.3	334.7	414.9	525.6	686.0	893.5	1101.0	1239.3	1330.6	1314.0
67.5°	271.1	279.4	309.8	381.8	484.1	636.3	835.4	1040.1	1164.6	1264.2	1255.9
70°	246.2	249.0	279.4	343.0	442.6	586.5	780.1	954.4	1098.2	1172.9	1189.5
72.5°	215.8	215.8	246.2	301.5	392.8	520.1	705.4	857.6	993.1	1056.7	1081.6
75°	177.0	179.8	204.7	254.5	329.2	445.4	600.3	755.2	868.6	935.0	943.3
77.5°	138.3	141.1	160.4	201.9	265.6	359.6	495.2	616.9	724.8	782.9	766.3
80°	99.6	102.4	116.2	146.6	196.4	268.3	381.8	489.6	567.1	614.1	592.0
82.5°	60.9	63.6	71.9	91.3	124.5	174.3	260.0	340.3	401.1	439.8	431.5
85°	30.4	30.4	36.0	41.5	52.6	77.5	124.5	171.5	218.5	246.2	237.9
87.5°	5.5	8.3	8.3	8.3	8.3	5.5	8.3	8.3	8.3	13.8	5.5
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)