

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: P823350

Luminaire Tested: **TTN-D1-830-U-WQ**

Issue Date: 4/16/2024

Test Information

Test Method: LM-79-08
Report Number: P823350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-254-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TTN-D1-830-U-WQ
Description: TOPTIER NANO LED PARKING GARAGE LUMINAIRE
3000K, 80 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3011 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Circular (Dia: 0.71' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

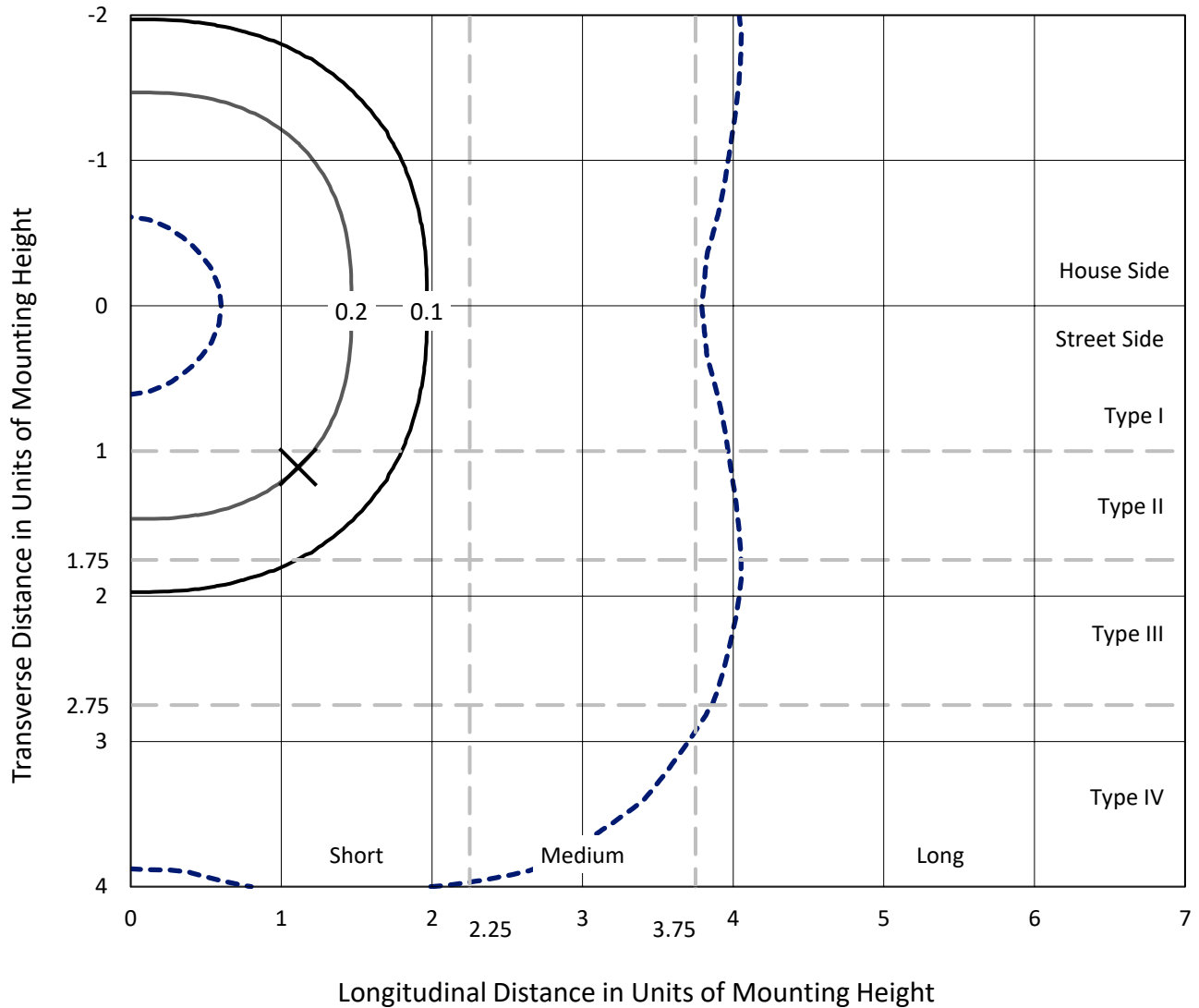
Input Watts (W): 26.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P823350
 CATALOG NUMBER: TTN-D1-830-U-WQ

Iso-Footcandle Lines of Horizontal Illumination

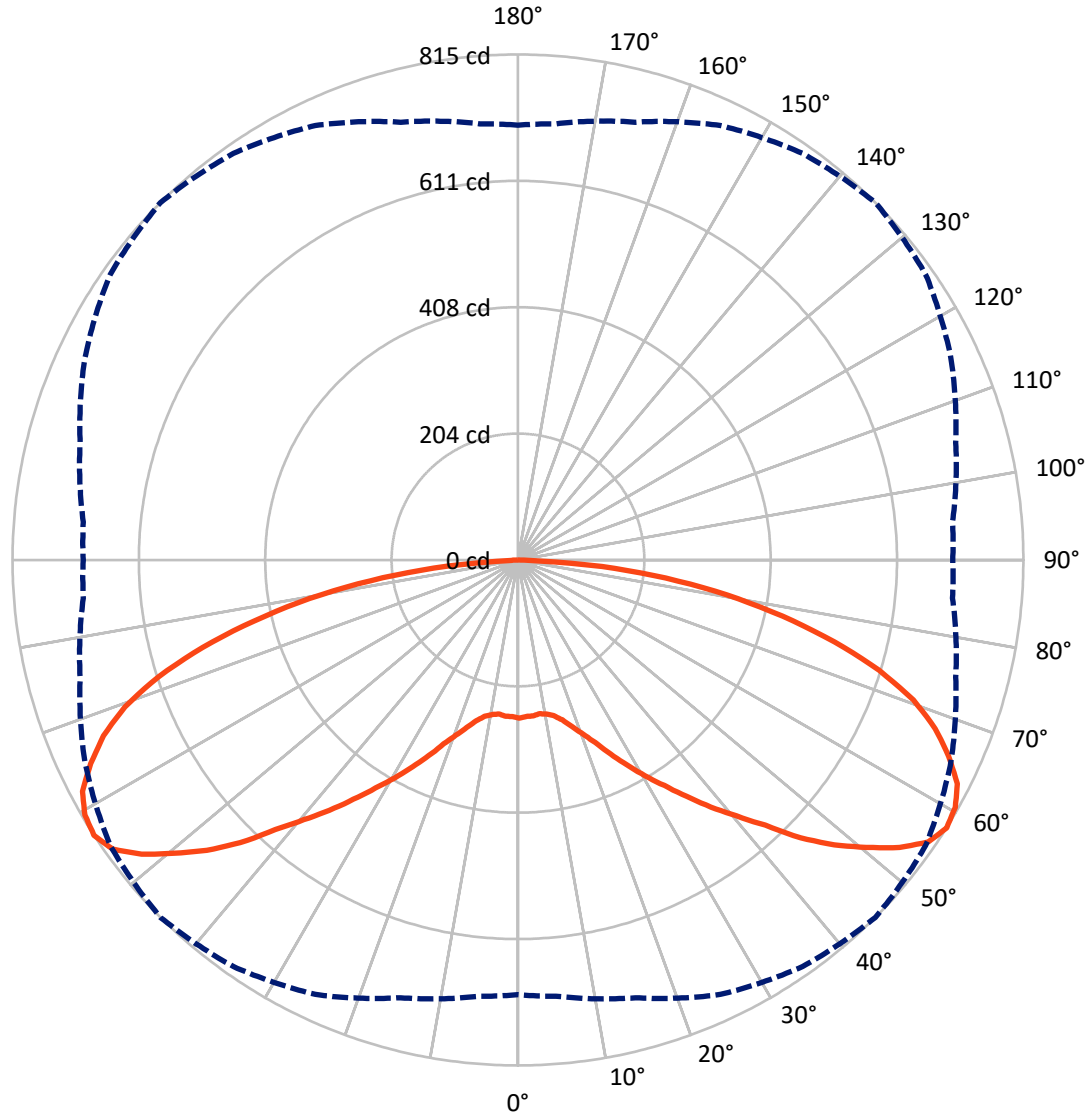
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

REPORT NUMBER: P823350
CATALOG NUMBER: TTN-D1-830-U-WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P823350
 CATALOG NUMBER: TTN-D1-830-U-WQ

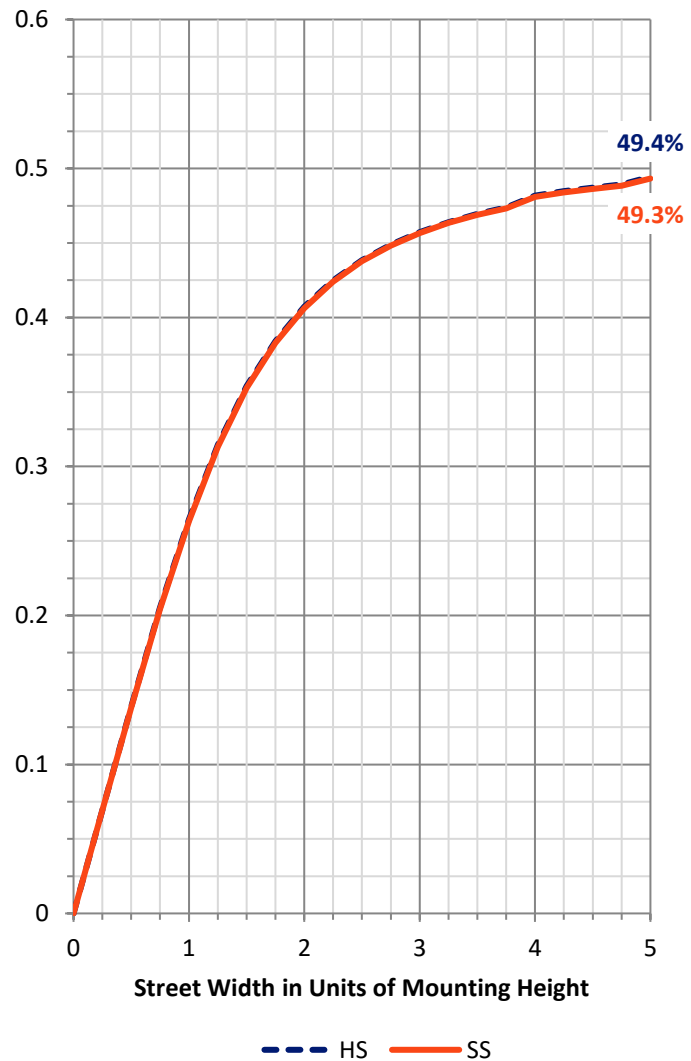
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1505.5	0.0	1505.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1505.5	0.0	1505.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3011.0	0.0	3011.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.8
10°-20°	76.5	2.5
20°-30°	160.6	5.3
30°-40°	291.4	9.7
40°-50°	475.0	15.8
50°-60°	664.9	22.1
60°-70°	694.2	23.1
70°-80°	496.0	16.5
80°-90°	128.3	4.3
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°	3011.0	100.0
0°-180°	3011.0	100.0

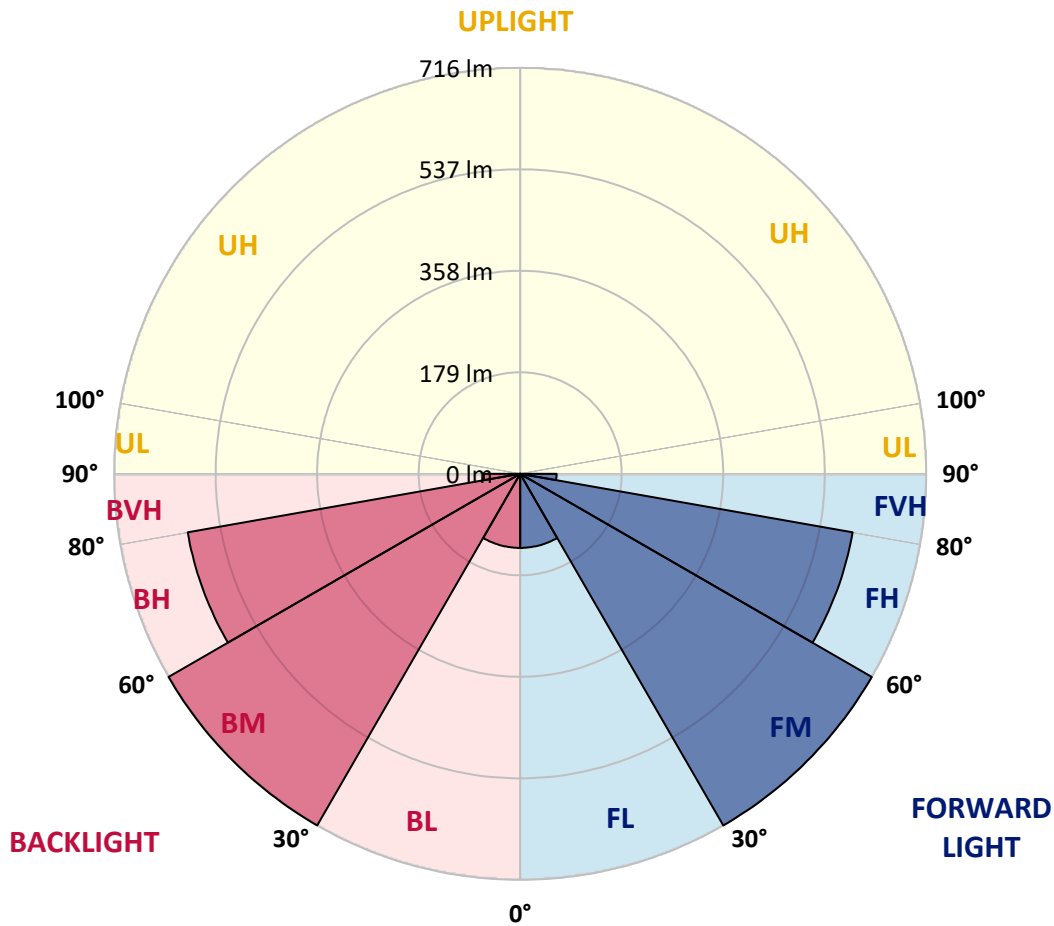


REPORT NUMBER: P823350
 CATALOG NUMBER: TTN-D1-830-U-WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.6	4.3			
FM (30°-60°)	715.7	23.8			
FH (60°-80°)	595.1	19.8			G0/660
FVH (80°-90°)	64.2	2.1			G1/100
BL (0°-30°)	130.6	4.3	B1/500		
BM (30°-60°)	715.7	23.8	B1/1000		
BH (60°-80°)	595.1	19.8	B2/1000		G0/660
BVH (80°-90°)	64.2	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-G1
 Type V Short





REPORT NUMBER: P823350
 CATALOG NUMBER: TTN-D1-830-U-WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2	255.2
2.5°	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7
5°	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7
7.5°	247.8	247.8	250.3	250.3	250.3	250.3	250.3	250.3	250.3	250.3	250.3
10°	247.8	247.8	250.3	250.3	252.7	252.7	252.7	250.3	250.3	247.8	247.8
12.5°	252.7	252.7	252.7	255.2	257.7	257.7	257.7	255.2	255.2	252.7	252.7
15°	260.2	262.7	262.7	265.1	267.6	267.6	267.6	265.1	265.1	262.7	262.7
17.5°	275.0	275.0	275.0	277.5	280.0	282.5	282.5	277.5	277.5	275.0	277.5
20°	289.9	292.4	292.4	294.9	297.3	299.8	297.3	294.9	292.4	292.4	292.4
22.5°	312.2	312.2	314.7	314.7	319.6	319.6	319.6	314.7	314.7	314.7	314.7
25°	337.0	337.0	339.5	341.9	346.9	346.9	344.4	339.5	339.5	339.5	341.9
27.5°	366.7	366.7	369.2	369.2	374.2	374.2	371.7	369.2	369.2	369.2	371.7
30°	394.0	394.0	398.9	401.4	403.9	403.9	403.9	398.9	398.9	396.5	396.5
32.5°	418.8	421.2	423.7	431.2	436.1	433.6	436.1	431.2	426.2	423.7	423.7
35°	446.0	448.5	453.5	460.9	468.3	468.3	468.3	460.9	455.9	451.0	453.5
37.5°	478.2	478.2	485.7	493.1	503.0	505.5	503.0	495.6	488.1	483.2	483.2
40°	512.9	512.9	520.4	527.8	540.2	542.7	540.2	530.3	520.4	517.9	517.9
42.5°	547.6	547.6	557.5	565.0	579.8	584.8	579.8	567.4	557.5	550.1	552.6
45°	584.8	587.3	599.7	614.5	631.9	639.3	631.9	617.0	602.1	587.3	587.3
47.5°	626.9	626.9	641.8	659.1	678.9	686.4	676.5	661.6	641.8	629.4	629.4
50°	654.2	656.6	676.5	698.8	723.5	728.5	721.1	698.8	676.5	659.1	656.6
52.5°	681.4	683.9	706.2	738.4	763.2	770.6	760.7	738.4	706.2	683.9	683.9
55°	698.8	703.7	728.5	763.2	790.4	802.8	788.0	763.2	726.0	701.2	698.8
57.5°	701.2	706.2	731.0	773.1	800.4	815.2	802.8	770.6	731.0	703.7	701.2
60°	696.3	698.8	723.5	768.1	800.4	810.3	800.4	765.7	721.1	698.8	693.8
62.5°	683.9	688.9	713.6	750.8	788.0	795.4	785.5	748.3	711.2	683.9	678.9
65°	644.3	649.2	686.4	723.5	755.8	763.2	755.8	723.5	683.9	644.3	639.3
67.5°	599.7	602.1	639.3	683.9	713.6	726.0	713.6	686.4	636.8	599.7	594.7
70°	552.6	555.0	584.8	631.9	661.6	676.5	664.1	634.3	582.3	550.1	547.6
72.5°	498.1	498.1	527.8	565.0	594.7	609.6	599.7	562.5	522.8	490.6	485.7
75°	423.7	426.2	458.4	485.7	517.9	527.8	517.9	488.1	451.0	418.8	413.8
77.5°	346.9	349.4	376.6	398.9	428.7	436.1	428.7	403.9	369.2	341.9	339.5
80°	262.7	265.1	287.4	307.3	332.0	341.9	334.5	309.7	282.5	257.7	250.3
82.5°	171.0	173.5	195.8	210.6	232.9	240.4	235.4	213.1	190.8	166.0	163.5
85°	76.8	79.3	99.1	111.5	128.9	136.3	131.3	111.5	94.2	71.9	66.9
87.5°	7.4	7.4	7.4	7.4	7.4	9.9	9.9	7.4	7.4	7.4	7.4
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)