

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: P302878

Luminaire Tested: **GLNA-AF-10-LED-E1-T4W-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P191569)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLNA-AF-10-LED-E1-T4W-8030-800
Description: GALLEONNAIRE AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K CCT 800mA LIGHTSQUARE WITH 16 LEDS EACH AND Type IV
Wide OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38440.7 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 419
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: 25 FT

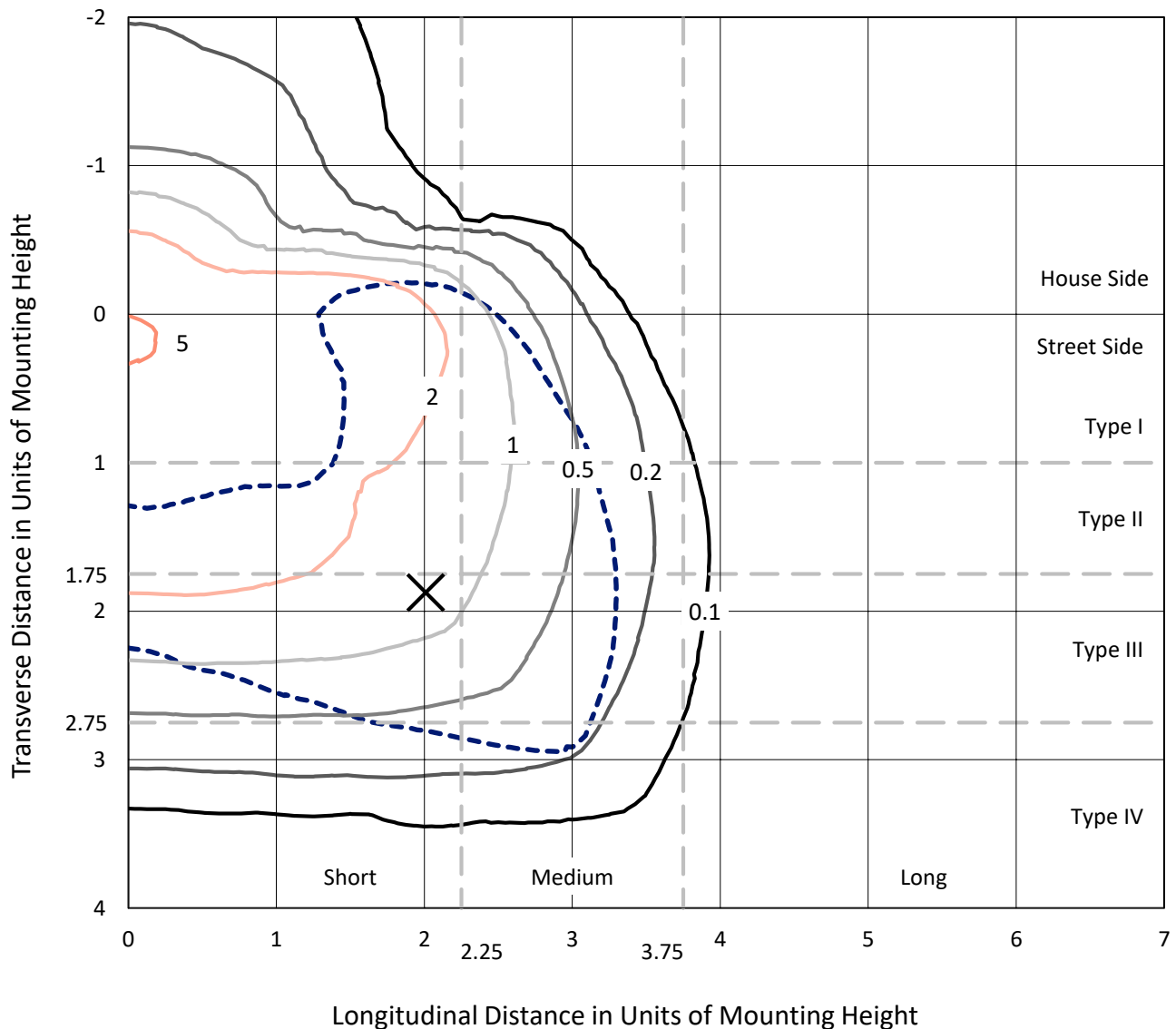


REPORT NUMBER: P302878

CATALOG NUMBER: GLNA-AF-10-LED-E1-T4W-8030-800

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

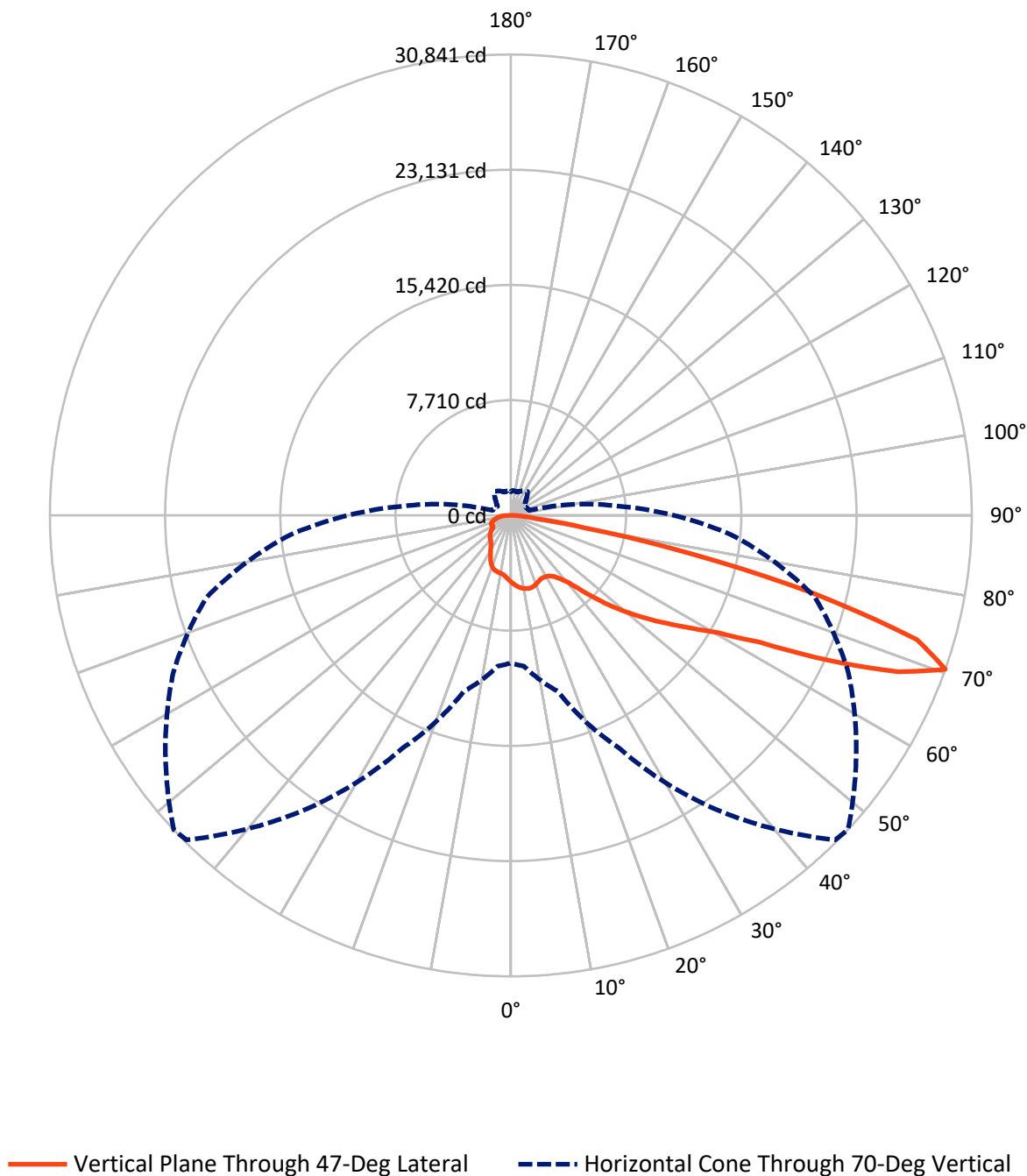


Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P302878

CATALOG NUMBER: GLNA-AF-10-LED-E1-T4W-8030-800

Luminous Intensity Polar Plot



REPORT NUMBER: P302878

CATALOG NUMBER: GLNA-AF-10-LED-E1-T4W-8030-800

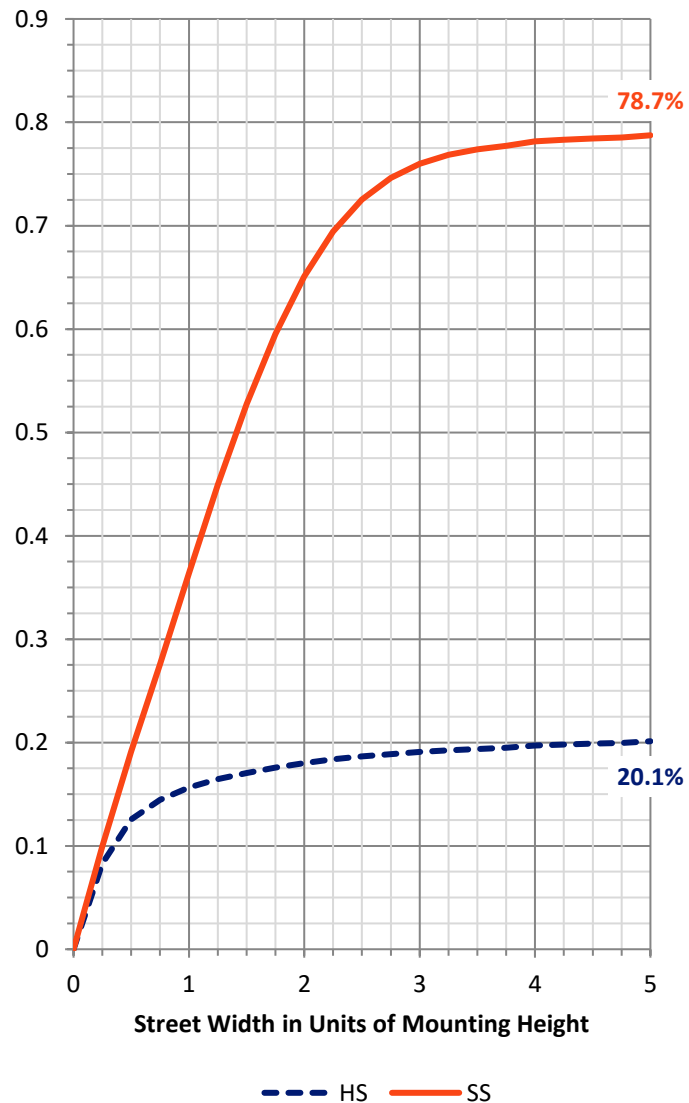
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8019.5	0.0	8019.5
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	30421.2	0.0	30421.2
	% Fixture	79.1	0.0	79.1
Total	Lumens	38440.7	0.0	38440.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.4	1.1
10°-20°	1253.8	3.3
20°-30°	1851.5	4.8
30°-40°	2691.2	7.0
40°-50°	4843.1	12.6
50°-60°	8390.3	21.8
60°-70°	11975.3	31.2
70°-80°	6147.5	16.0
80°-90°	860.7	2.2
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°	38440.7	100.0
0°-180°	38440.7	100.0

Coefficient of Utilization



REPORT NUMBER: P302878

CATALOG NUMBER: GLNA-AF-10-LED-E1-T4W-8030-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2005.8	5.2			
FM	(30°-60°)	12202.2	31.7			
FH	(60°-80°)	15754.1	41.0			G5
FVH	(80°-90°)	459.3	1.2			G3/500
BL	(0°-30°)	1526.9	4.0	B3/2500		
BM	(30°-60°)	3722.4	9.7	B3/5000		
BH	(60°-80°)	2368.7	6.2	B3/2500		G3/2500
BVH	(80°-90°)	401.4	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short

