

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: P532384

Luminaire Tested: **GALN-SA7D-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44200 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

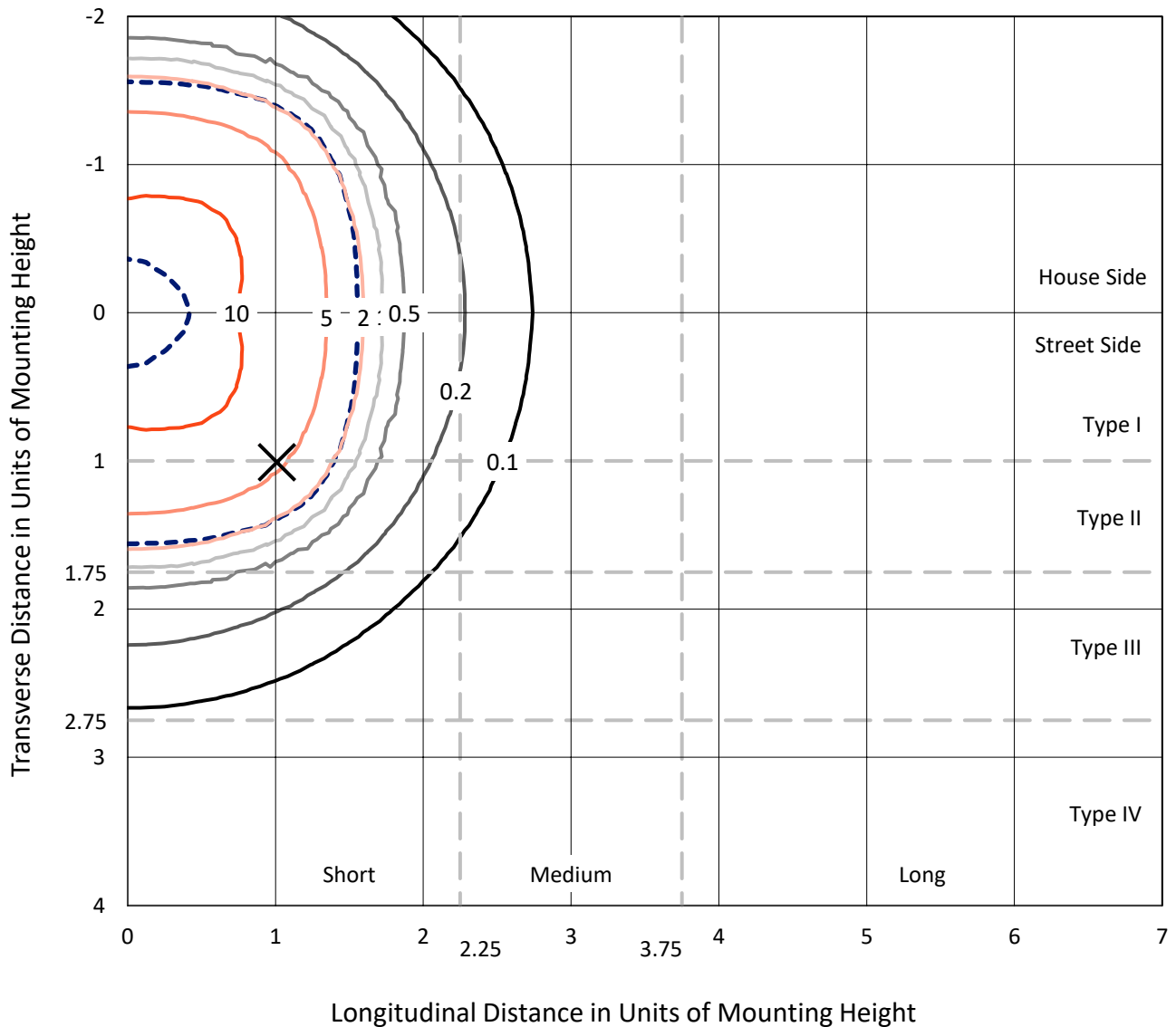
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

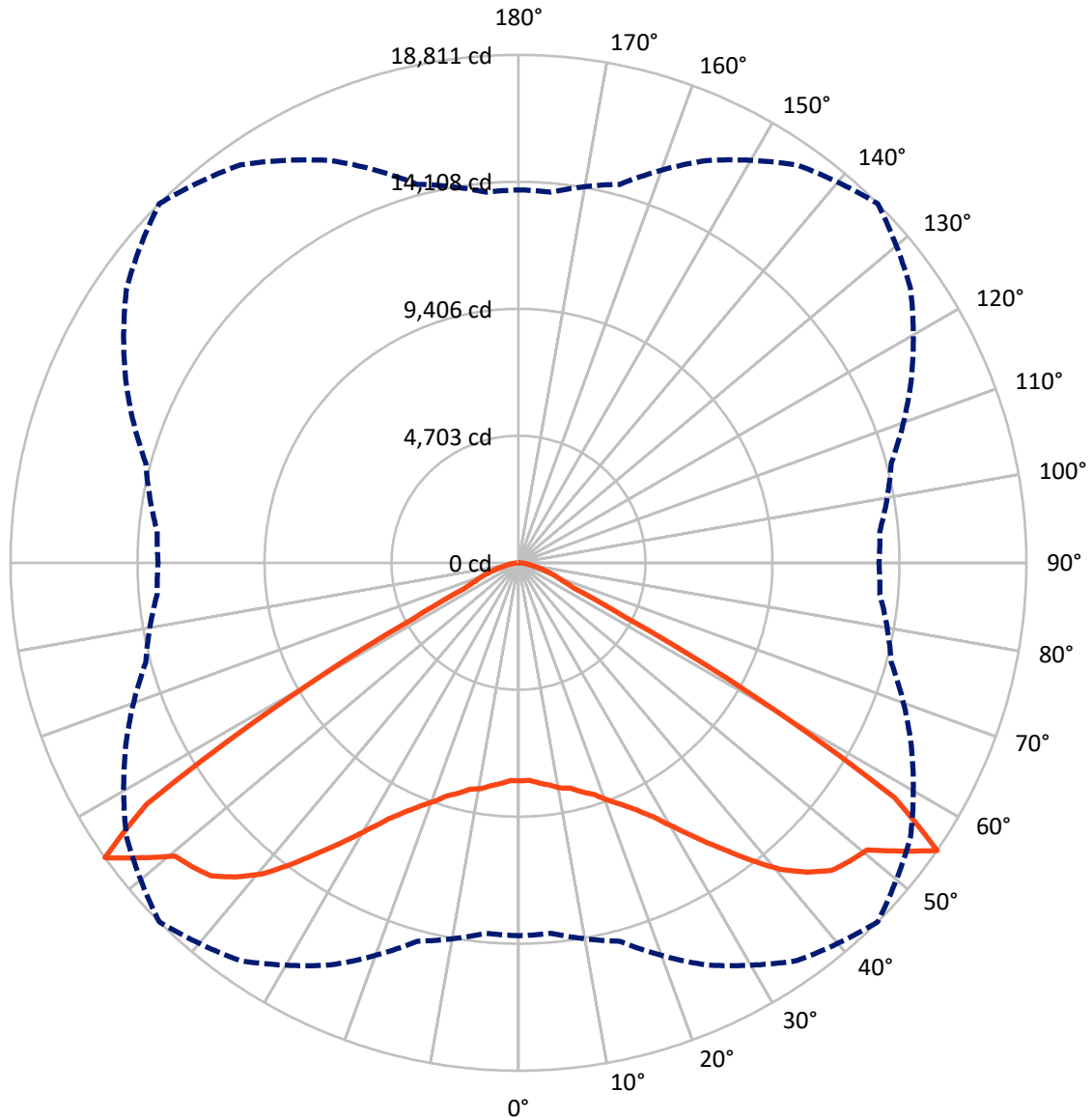
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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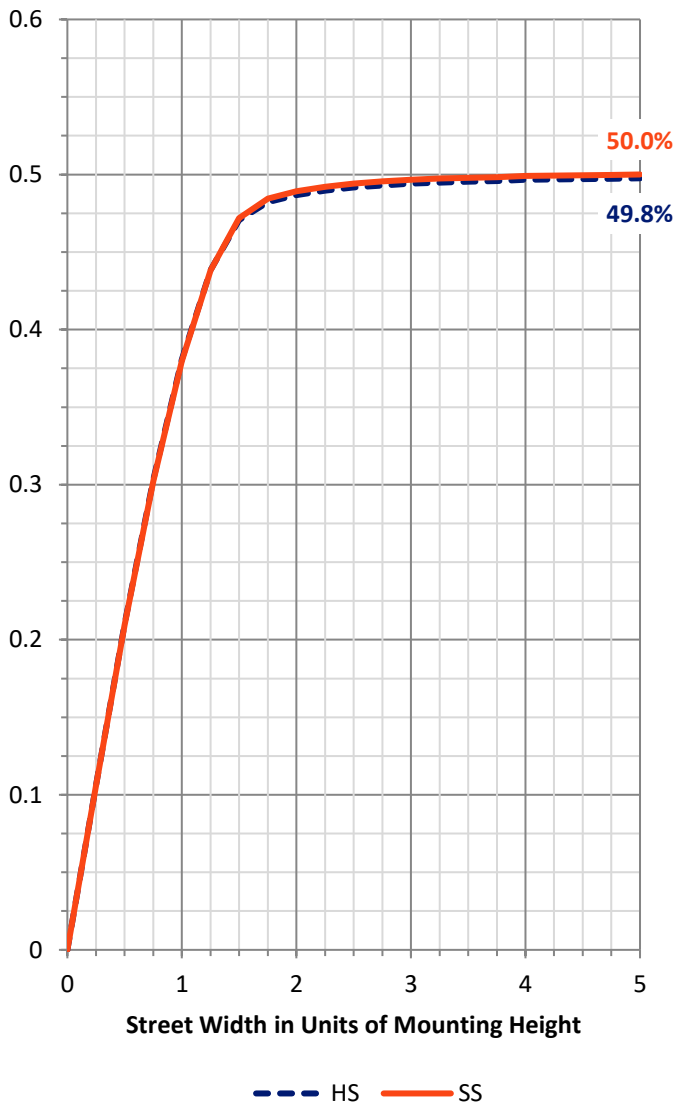
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22100.0	0.0	22100.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22100.0	0.0	22100.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44200.0	0.0	44200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.4	1.8
10°-20°	2498.0	5.7
20°-30°	4658.0	10.5
30°-40°	7799.0	17.6
40°-50°	12135.9	27.5
50°-60°	12600.8	28.5
60°-70°	2672.2	6.0
70°-80°	880.1	2.0
80°-90°	167.6	0.4
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°	44200.0	100.0
0°-180°	44200.0	100.0

Coefficient of Utilization

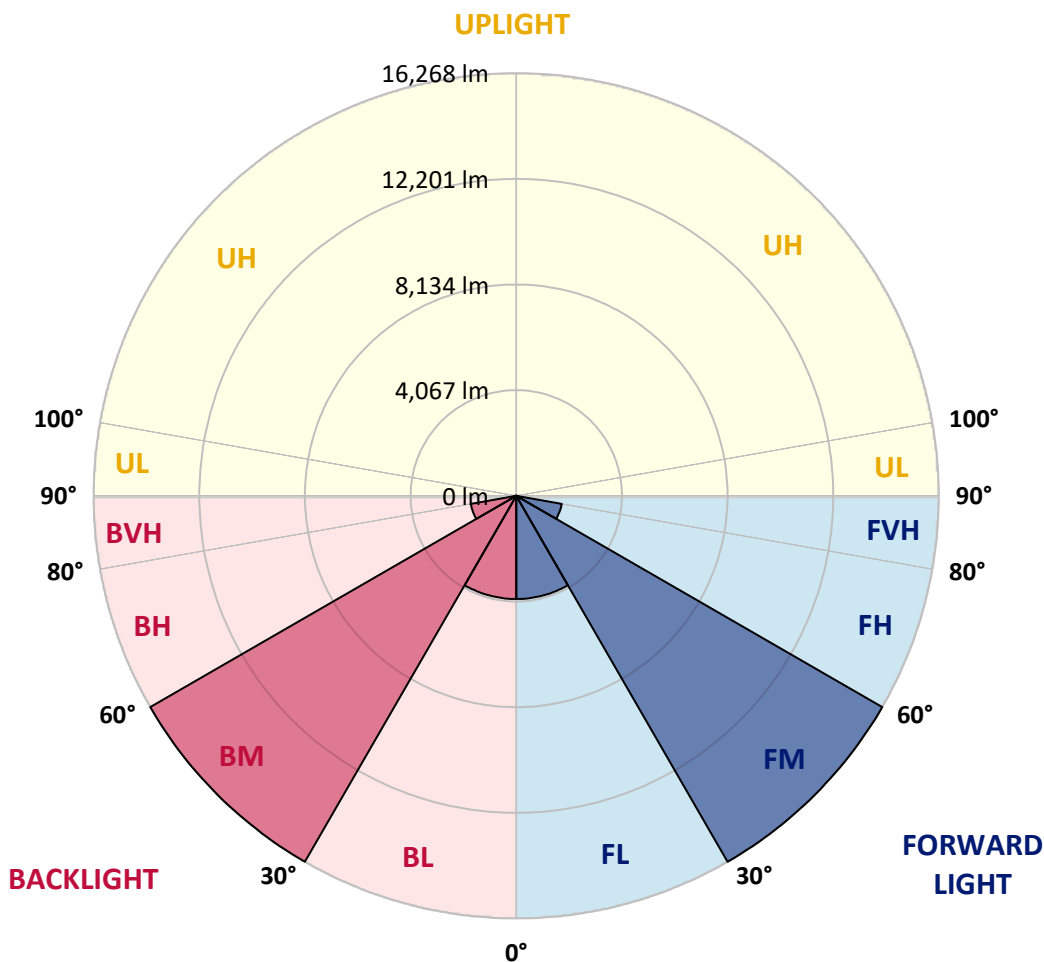


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3972.2	9.0			
FM (30°-60°)	16267.9	36.8			
FH (60°-80°)	1776.1	4.0			G1/1800
FVH (80°-90°)	83.8	0.2			G1/100
BL (0°-30°)	3972.2	9.0	B4/5000		
BM (30°-60°)	16267.9	36.8	B5		
BH (60°-80°)	1776.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	83.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8070.3	8070.3	8070.3	8070.3	8070.3	8070.3	8070.3	8070.3	8070.3	8070.3	8070.3
2.5°	8166.4	8129.0	8064.9	8113.0	8150.4	8070.3	8102.3	8118.3	8107.6	8064.9	8080.9
5°	8283.9	8262.5	8209.1	8246.5	8198.4	8198.4	8166.4	8123.7	8187.8	8177.1	8203.8
7.5°	8283.9	8257.2	8364.0	8294.6	8315.9	8315.9	8262.5	8219.8	8251.9	8203.8	8177.1
10°	8449.5	8486.9	8438.8	8454.8	8444.1	8481.5	8401.4	8374.7	8348.0	8332.0	8299.9
12.5°	8647.1	8620.4	8636.4	8625.7	8663.1	8567.0	8518.9	8460.2	8508.2	8438.8	8486.9
15°	8807.3	8791.3	8807.3	8850.0	8812.7	8807.3	8721.9	8663.1	8588.3	8604.4	8529.6
17.5°	9026.3	9010.3	9015.6	9053.0	9047.7	9021.0	8956.9	8844.7	8818.0	8775.3	8727.2
20°	9352.1	9325.4	9314.7	9330.7	9357.4	9378.8	9250.6	9207.9	9117.1	9047.7	8967.5
22.5°	9629.8	9619.2	9661.9	9592.4	9651.2	9715.3	9592.4	9571.1	9346.8	9309.4	9223.9
25°	10014.4	9998.4	9971.7	10073.1	10142.6	10137.2	10019.7	9902.2	9731.3	9688.6	9688.6
27.5°	10420.3	10329.5	10468.4	10495.1	10617.9	10655.3	10553.8	10382.9	10222.7	10131.9	10153.3
30°	10927.7	10842.2	10874.3	11066.6	11226.8	11365.7	11109.3	10858.3	10633.9	10473.7	10447.0
32.5°	11435.1	11349.6	11445.8	11632.7	11953.2	12161.5	11910.4	11472.5	11210.8	10975.8	11023.8
35°	11846.4	11910.4	12065.3	12348.4	12679.5	13016.0	12615.5	12279.0	11905.1	11643.4	11680.8
37.5°	12508.6	12706.3	12829.1	13154.9	13624.9	13972.1	13555.5	13117.5	12716.9	12375.1	12257.6
40°	13373.9	13507.4	13646.3	14030.8	14586.3	14933.5	14538.2	13966.7	13571.5	13219.0	13203.0
42.5°	14324.6	14452.8	14597.0	15067.0	15398.1	15659.8	15296.6	14992.2	14554.2	14276.5	14260.5
45°	15430.2	15339.4	15499.6	15809.4	16087.1	16258.0	16023.0	15873.5	15558.4	15302.0	15275.3
47.5°	16167.2	16087.1	16375.5	16653.3	16696.0	16509.1	16557.1	16696.0	16364.8	15942.9	16076.4
50°	16594.5	16594.5	16786.8	17043.2	16963.0	16722.7	17101.9	17112.6	16781.4	16407.6	16407.6
52.5°	15852.1	16017.7	16562.5	17401.0	17668.0	17737.5	17652.0	17288.8	16423.6	15659.8	15622.4
55°	13811.8	13774.5	14511.5	16434.3	17988.5	18811.0	17721.5	16049.7	14292.5	13432.6	13347.2
57.5°	8983.6	9026.3	10126.5	12086.7	14890.7	16423.6	14586.3	12236.2	10126.5	8940.8	9053.0
60°	4043.1	4187.3	4855.0	6318.4	8727.2	9977.0	8748.6	6638.9	5095.3	4422.4	4481.1
62.5°	2323.3	2350.0	2376.7	2820.1	3717.3	4395.6	3861.5	2980.3	2627.8	2510.3	2510.3
65°	1960.1	1944.1	1949.5	1986.9	2083.0	2221.9	2163.1	2083.0	2093.7	2083.0	2067.0
67.5°	1666.4	1687.8	1671.7	1698.4	1703.8	1725.1	1762.5	1794.6	1799.9	1810.6	1799.9
70°	1367.3	1372.6	1383.3	1404.7	1410.0	1426.0	1479.5	1506.2	1522.2	1522.2	1543.6
72.5°	1046.8	1041.5	1052.2	1073.5	1100.2	1105.6	1153.7	1191.0	1212.4	1185.7	1191.0
75°	689.0	694.3	710.4	726.4	763.8	801.2	817.2	854.6	859.9	870.6	843.9
77.5°	411.3	421.9	438.0	470.0	502.1	534.1	571.5	598.2	608.9	598.2	566.1
80°	267.1	267.1	288.4	315.1	352.5	379.2	400.6	421.9	438.0	421.9	411.3
82.5°	165.6	165.6	192.3	224.3	251.0	267.1	299.1	325.8	341.8	331.1	315.1
85°	85.5	90.8	112.2	138.9	160.2	170.9	165.6	149.5	133.5	128.2	117.5
87.5°	26.7	26.7	32.0	32.0	26.7	26.7	32.0	26.7	32.0	32.0	32.0
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)