

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: P534262

Luminaire Tested: **GALN-SA9D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55964 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

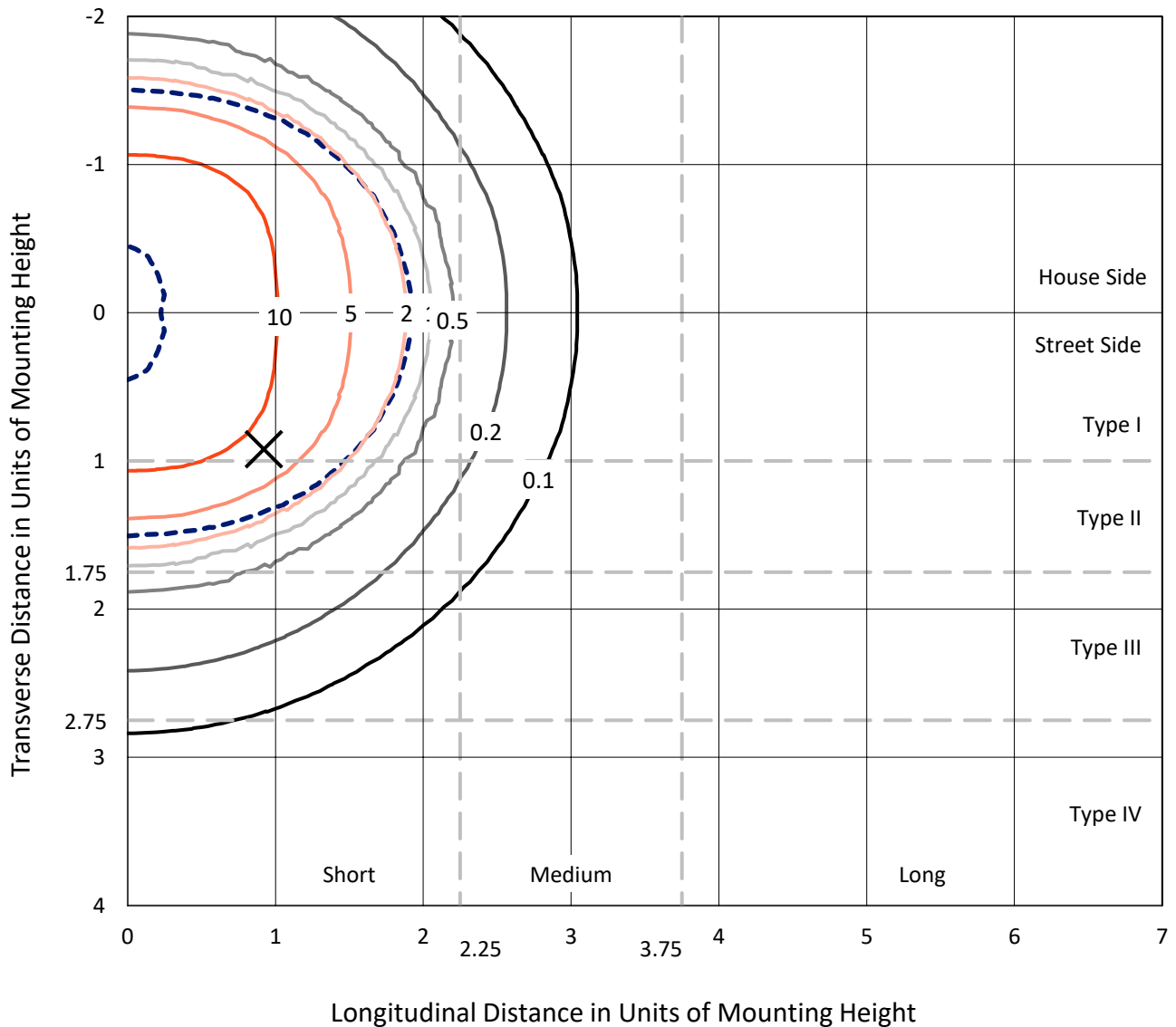
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

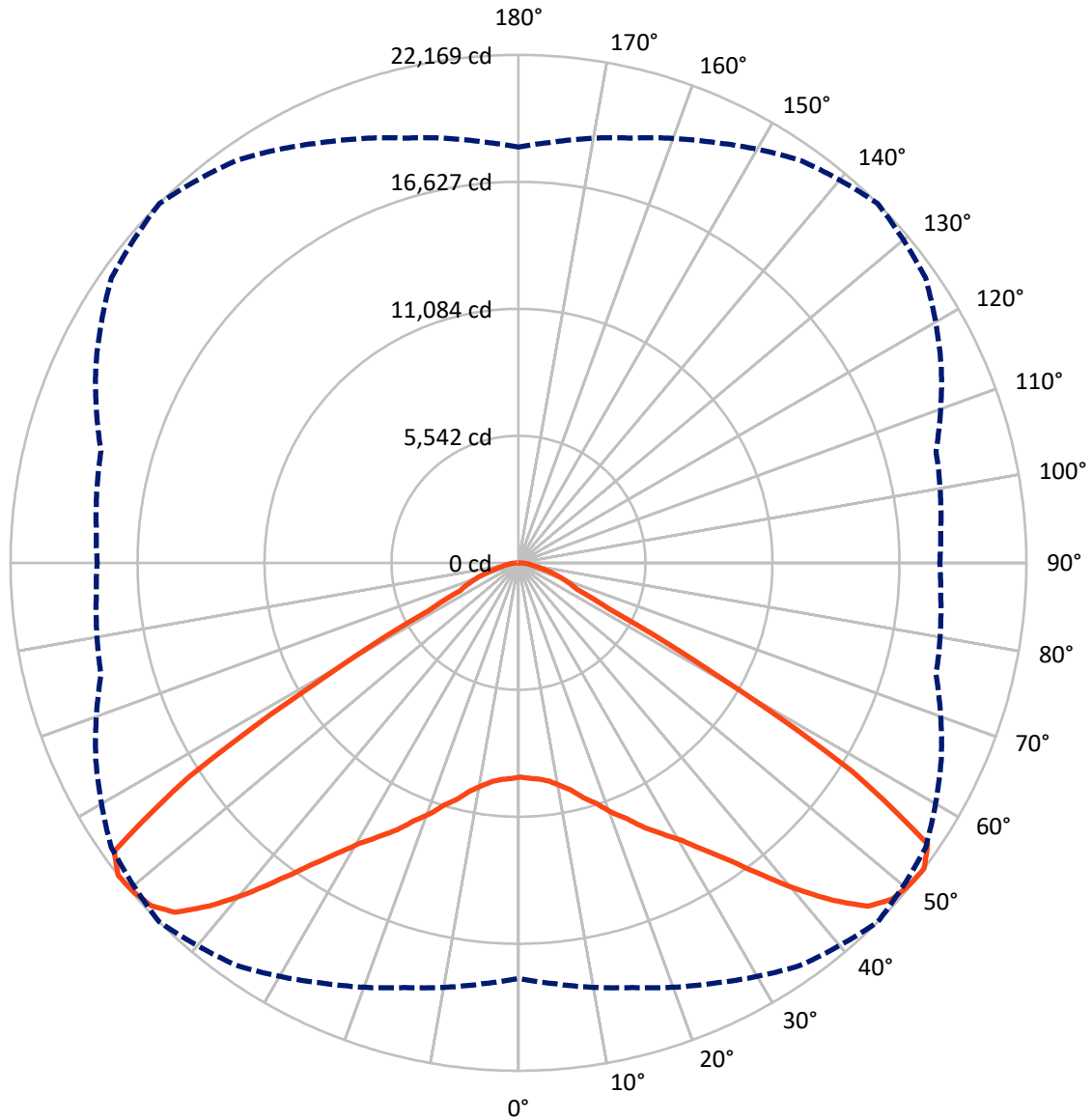
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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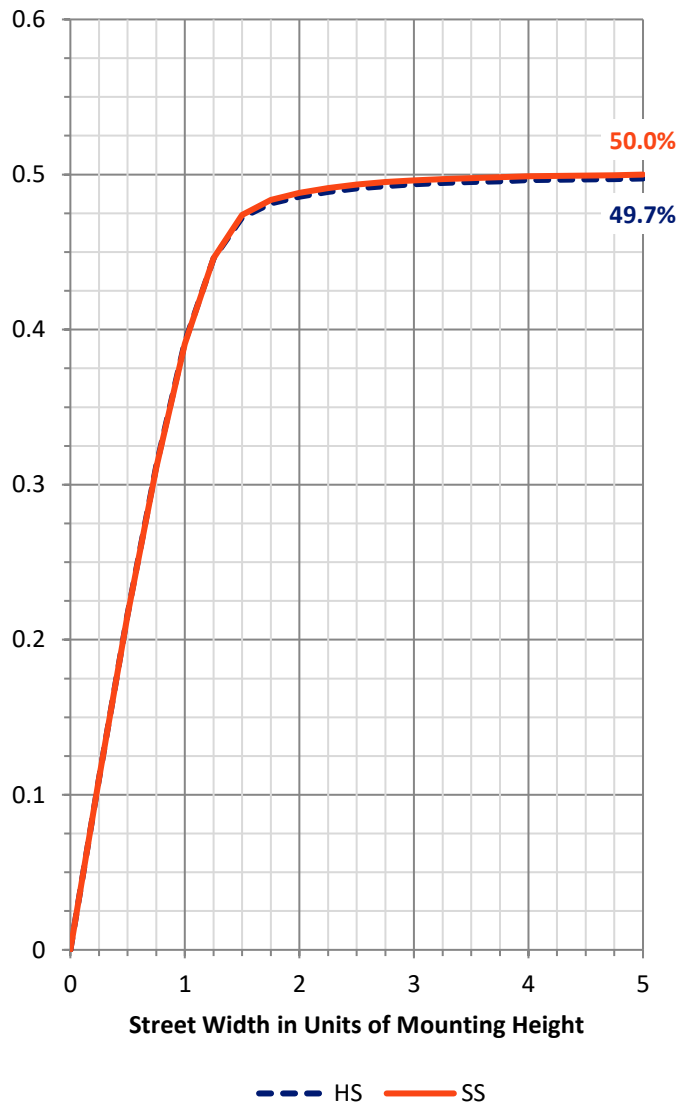
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27982.0	0.0	27982.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27982.0	0.0	27982.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	55964.0	0.0	55964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	919.1	1.6
10°-20°	3020.1	5.4
20°-30°	5749.9	10.3
30°-40°	9873.0	17.6
40°-50°	15175.1	27.1
50°-60°	15410.1	27.5
60°-70°	4294.6	7.7
70°-80°	1266.8	2.3
80°-90°	255.2	0.5
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°	55964.0	100.0
0°-180°	55964.0	100.0

Coefficient of Utilization



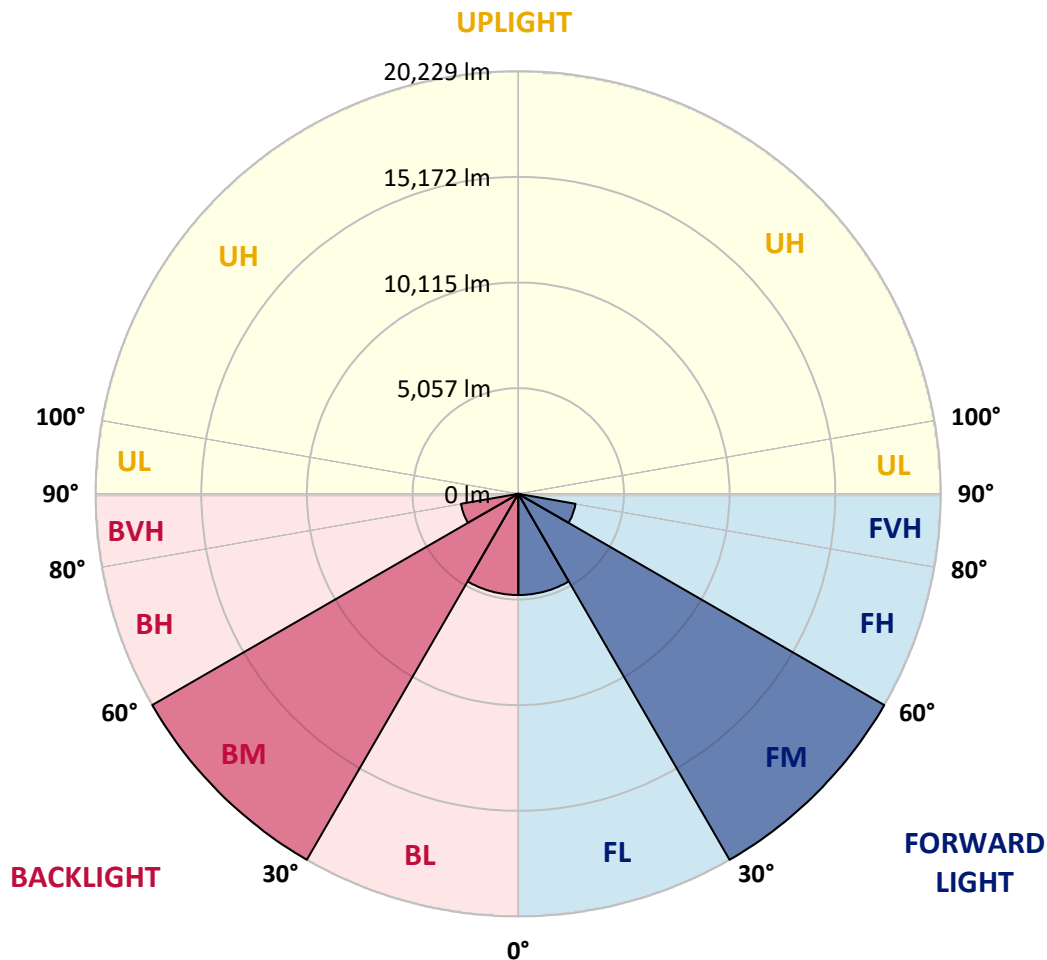
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4844.6	8.7			
FM (30°-60°)	20229.1	36.1			
FH (60°-80°)	2780.7	5.0			G2/5000
FVH (80°-90°)	127.6	0.2			G2/225
BL (0°-30°)	4844.6	8.7	B4/5000		
BM (30°-60°)	20229.1	36.1	B5		
BH (60°-80°)	2780.7	5.0	B4/5000		G2/5000
BVH (80°-90°)	127.6	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9355.1	9355.1	9355.1	9355.1	9355.1	9355.1	9355.1	9355.1	9355.1	9355.1	9355.1
2.5°	9376.0	9278.7	9313.4	9334.3	9424.6	9417.6	9396.8	9424.6	9452.4	9459.3	9445.4
5°	9369.0	9299.6	9327.3	9348.2	9438.5	9487.1	9473.2	9591.3	9674.6	9653.8	9757.9
7.5°	9313.4	9355.1	9320.4	9424.6	9501.0	9619.0	9744.0	9855.2	9959.3	10077.4	10098.3
10°	9438.5	9438.5	9501.0	9584.3	9785.7	9876.0	10056.6	10216.3	10417.7	10556.6	10501.1
12.5°	9570.4	9591.3	9591.3	9806.6	9973.2	10174.6	10341.3	10556.6	10841.4	11008.1	11091.4
15°	9702.4	9716.3	9785.7	10077.4	10327.4	10646.9	10799.7	10994.2	11153.9	11466.4	11473.4
17.5°	9820.4	9896.8	10105.2	10431.6	10744.2	11049.7	11292.8	11494.2	11633.1	11758.1	11730.4
20°	10264.9	10320.5	10535.8	10862.2	11327.5	11626.2	11709.5	11744.3	11834.5	12084.6	12008.2
22.5°	10695.5	10716.4	10917.8	11417.8	11744.3	12140.1	12230.4	12209.6	12244.3	12306.8	12417.9
25°	11140.0	11174.7	11452.6	11876.2	12334.6	12806.9	12883.3	12723.5	12674.9	12744.4	12751.3
27.5°	11709.5	11716.5	12070.7	12438.8	12959.7	13404.1	13522.2	13397.2	13168.0	13223.6	13313.9
30°	12431.8	12383.2	12737.4	13265.2	13813.9	14063.9	14265.3	14202.8	13952.8	13904.2	13827.8
32.5°	13265.2	13279.1	13598.6	14175.1	14536.2	14952.9	15168.2	15064.0	14904.3	14821.0	14869.6
35°	14439.0	14501.5	14716.8	15196.0	15779.4	15987.7	16328.1	16105.8	15689.1	15793.3	15883.6
37.5°	15404.3	15584.9	15987.7	16557.2	16904.5	17286.5	17411.5	17112.9	16807.3	16682.3	16980.9
40°	16883.7	16828.1	17272.6	17842.1	18356.0	18738.0	18578.3	18279.6	17522.6	17529.6	17612.9
42.5°	18154.6	18182.4	18522.7	19203.3	19904.8	20140.9	19633.9	18904.7	18064.3	17974.1	18154.6
45°	19224.2	19335.3	19529.8	20439.6	21127.2	21384.1	20446.5	19585.3	18460.2	18085.2	18383.8
47.5°	19606.2	19786.7	20210.4	21043.8	21724.4	21932.8	21182.7	19946.5	18828.3	18217.1	18376.9
50°	19661.7	19599.2	20293.7	21057.7	21655.0	22106.4	21446.6	20210.4	18738.0	18418.5	18369.9
52.5°	18140.7	18446.3	19189.5	20238.2	21446.6	22168.9	21682.8	20356.2	18863.0	18501.9	18383.8
55°	14682.1	14320.9	15675.2	17439.3	19661.7	21668.9	21599.4	20432.6	18939.4	18640.8	18481.1
57.5°	8195.3	8299.5	9063.4	10980.3	13848.6	17182.3	19203.3	19627.0	18904.7	18731.1	18814.4
60°	3792.1	3826.8	4153.2	5049.1	6827.1	9744.0	12404.0	15105.7	16348.9	16598.9	16598.9
62.5°	2826.7	2812.8	2896.1	3055.9	3430.9	4479.6	5979.8	8125.8	9834.3	11028.9	11341.4
65°	2555.8	2548.9	2590.5	2646.1	2673.9	2819.7	3153.1	3812.9	4368.5	4688.0	4632.4
67.5°	2236.3	2229.4	2243.3	2278.0	2326.6	2403.0	2486.4	2625.3	2819.7	2805.8	2771.1
70°	1805.7	1805.7	1826.6	1854.4	1909.9	2000.2	2097.4	2194.7	2361.4	2396.1	2389.1
72.5°	1333.5	1312.6	1354.3	1409.9	1465.4	1576.5	1680.7	1771.0	1889.1	1923.8	1909.9
75°	847.3	861.2	889.0	951.5	1048.7	1125.1	1236.2	1312.6	1389.0	1416.8	1423.8
77.5°	472.3	486.2	534.8	611.2	708.4	791.7	889.0	951.5	1000.1	1007.0	1014.0
80°	284.8	291.7	340.3	409.8	493.1	583.4	659.8	722.3	764.0	743.1	736.2
82.5°	173.6	180.6	222.2	284.8	354.2	423.7	507.0	562.6	604.2	576.4	548.7
85°	90.3	97.2	132.0	173.6	229.2	263.9	263.9	236.1	229.2	215.3	208.4
87.5°	27.8	27.8	34.7	41.7	34.7	41.7	48.6	55.6	55.6	62.5	55.6
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)