

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: P533293

Luminaire Tested: **GALN-SA8D-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35889 lumens
Efficiency: N/A
Efficacy: 72.8 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

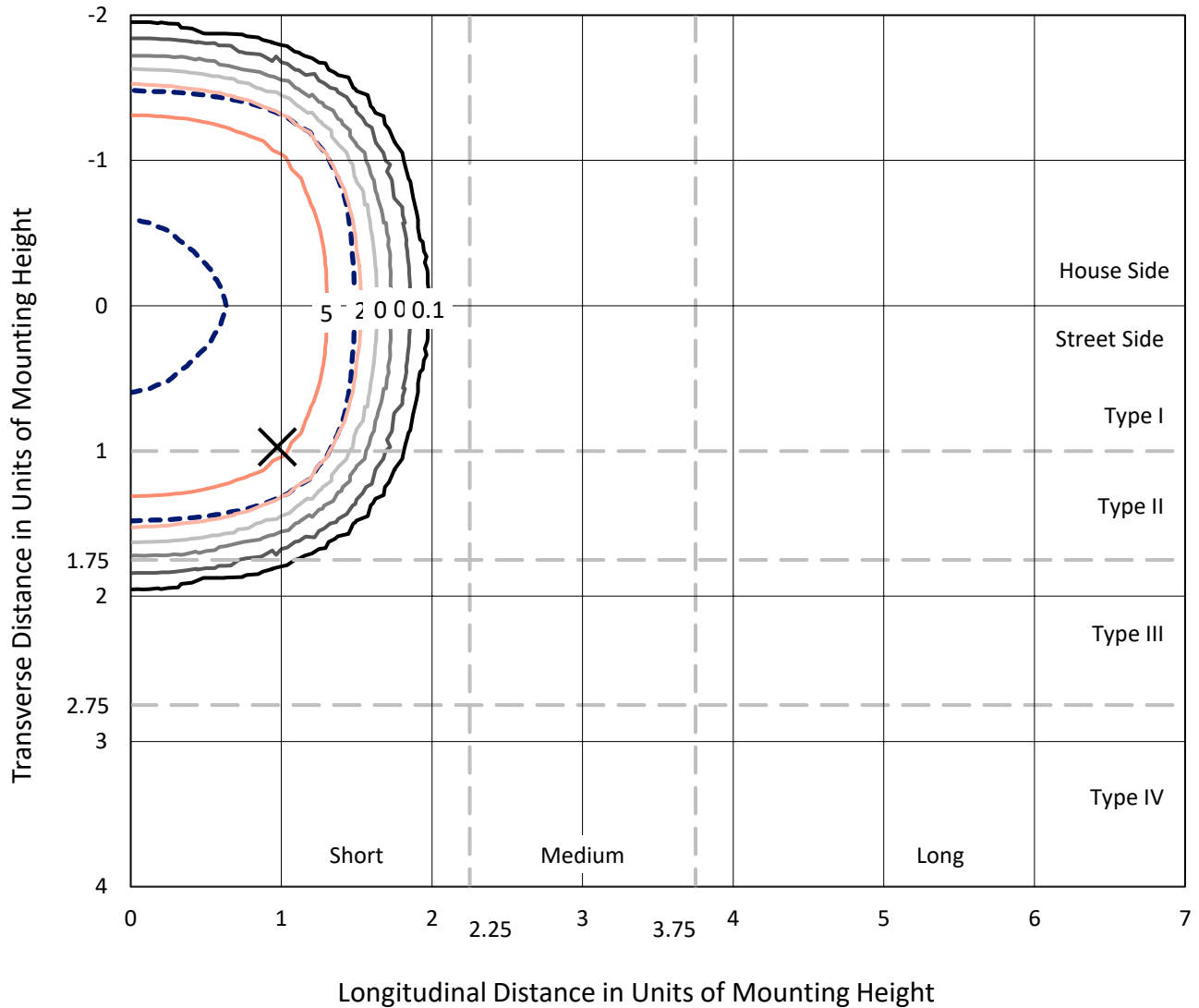
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

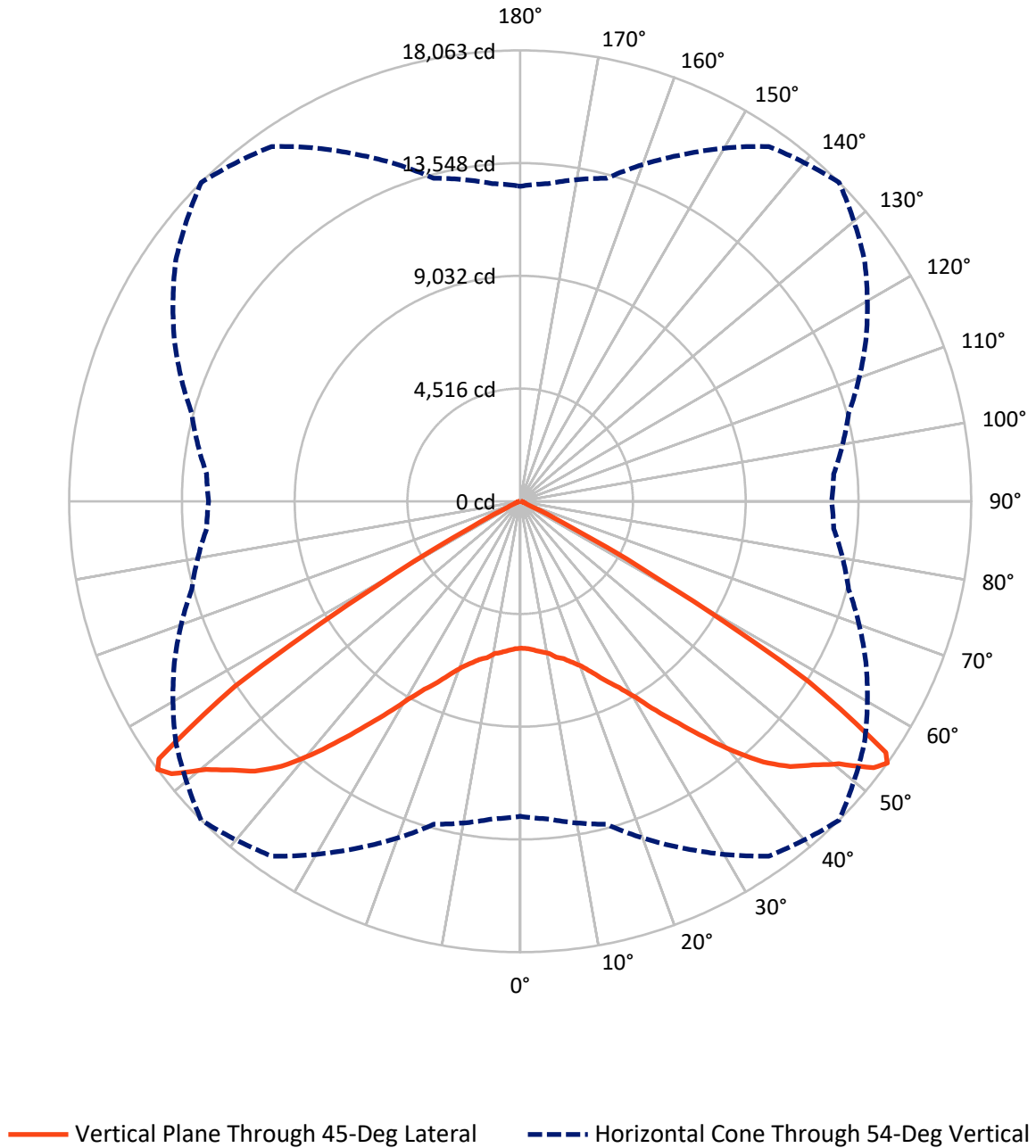
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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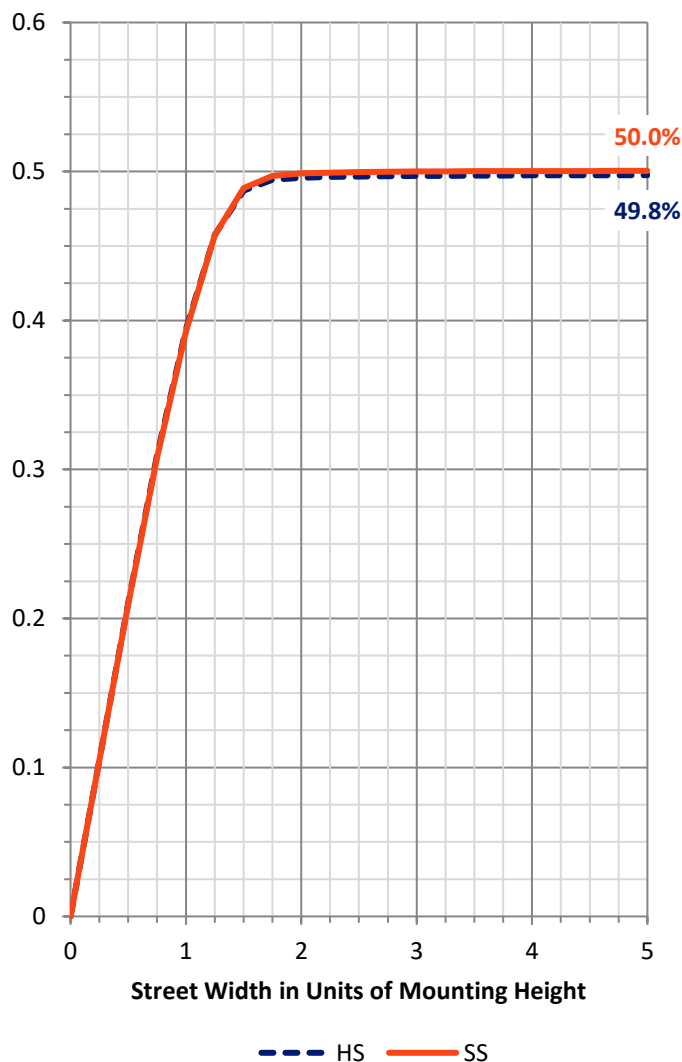
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17944.5	0.0	17944.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17944.5	0.0	17944.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35889.0	0.0	35889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.0	1.6
10°-20°	1865.2	5.2
20°-30°	3655.7	10.2
30°-40°	6573.7	18.3
40°-50°	11252.9	31.4
50°-60°	10888.3	30.3
60°-70°	932.1	2.6
70°-80°	110.5	0.3
80°-90°	34.7	0.1
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°	35889.0	100.0
0°-180°	35889.0	100.0

Coefficient of Utilization

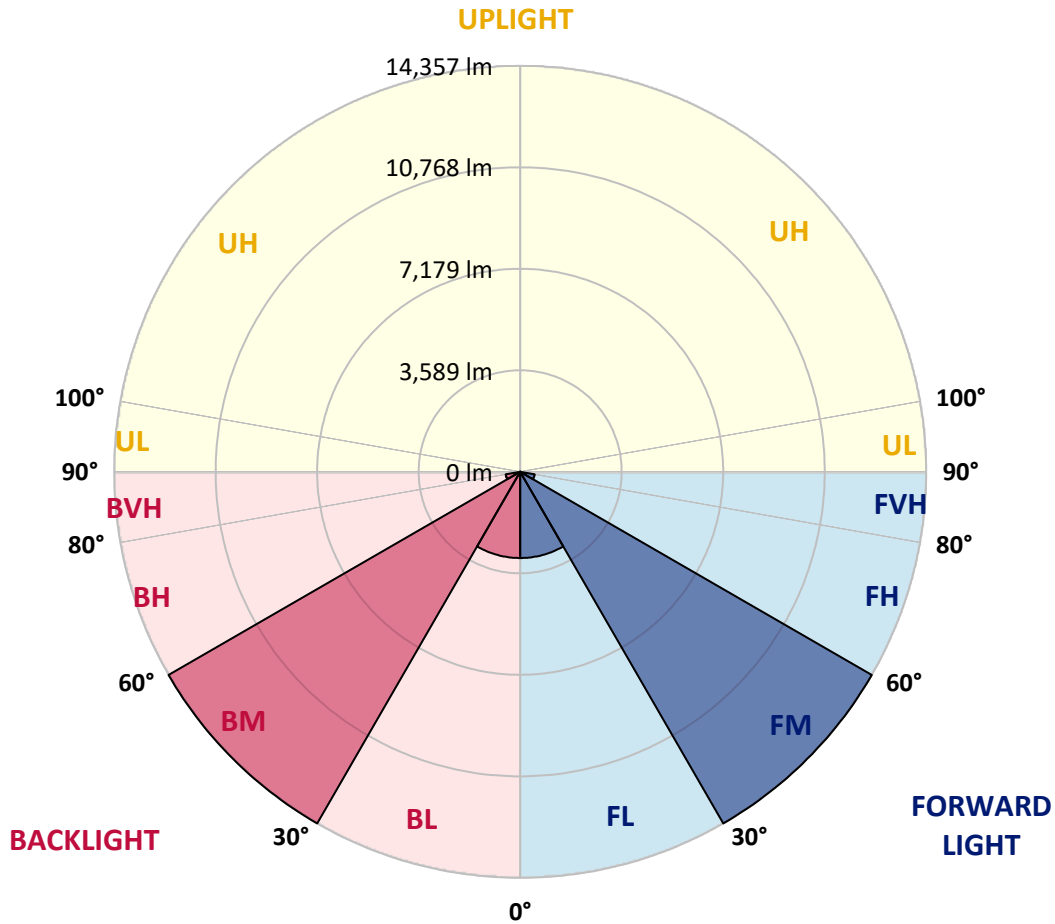


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3048.4	8.5			
FM (30°-60°)	14357.5	40.0			
FH (60°-80°)	521.3	1.5			G0/660
FVH (80°-90°)	17.3	0.0			G1/100
BL (0°-30°)	3048.4	8.5	B4/5000		
BM (30°-60°)	14357.5	40.0	B5		
BH (60°-80°)	521.3	1.5	B2/1000		G0/660
BVH (80°-90°)	17.3	0.0			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°	5884.7	5884.7	5884.7	5884.7	5884.7	5884.7	5884.7	5884.7	5884.7	5884.7	5884.7
2.5°	5913.1	5947.2	5924.5	5941.5	5941.5	5913.1	5930.2	5861.9	5907.4	5873.3	5879.0
5°	6004.1	5998.4	5998.4	6004.1	5981.3	5992.7	5970.0	5947.2	5930.2	5907.4	5975.6
7.5°	6117.8	6117.8	6078.0	6089.4	6078.0	6095.0	6049.6	6004.1	5987.0	5970.0	5958.6
10°	6225.8	6214.4	6197.4	6248.6	6208.8	6186.0	6163.3	6134.8	6072.3	6049.6	6026.8
12.5°	6385.0	6379.3	6356.6	6407.8	6385.0	6407.8	6322.5	6248.6	6237.2	6163.3	6203.1
15°	6572.6	6623.8	6584.0	6584.0	6572.6	6544.2	6510.1	6476.0	6373.6	6345.2	6350.9
17.5°	6817.1	6800.1	6805.8	6805.8	6862.6	6788.7	6720.5	6635.2	6584.0	6567.0	6510.1
20°	7050.2	7073.0	7067.3	7107.1	7141.2	7061.6	6987.7	6976.3	6834.2	6856.9	6777.3
22.5°	7459.6	7442.6	7471.0	7499.4	7476.7	7465.3	7397.1	7311.8	7186.7	7129.8	7118.5
25°	7891.7	7863.3	7812.1	7880.4	7914.5	7965.6	7834.9	7789.4	7596.1	7510.8	7516.5
27.5°	8261.3	8301.1	8357.9	8386.4	8471.7	8454.6	8363.6	8215.8	8068.0	7971.3	7908.8
30°	8767.3	8790.1	8886.7	8926.5	9074.3	9114.1	8972.0	8801.4	8539.9	8414.8	8340.9
32.5°	9233.5	9392.7	9387.1	9586.1	9824.9	9989.7	9733.9	9472.3	9210.8	9063.0	8932.2
35°	9989.7	9961.3	10126.2	10336.6	10723.2	10910.8	10632.2	10330.9	9932.9	9694.1	9591.7
37.5°	10694.8	10706.1	10927.9	11263.3	11706.8	11996.8	11752.3	11257.6	10848.3	10541.2	10399.1
40°	11718.2	11740.9	11968.4	12349.3	12849.6	13162.3	12878.1	12377.7	11831.9	11593.1	11593.1
42.5°	12917.9	13014.5	13162.3	13492.1	13941.3	14288.1	14032.3	13639.9	13088.4	12781.4	12826.9
45°	14151.7	14197.1	14293.8	14782.8	14993.1	15163.7	14924.9	14743.0	14373.4	13998.1	13935.6
47.5°	15305.8	15322.9	15607.2	15760.7	15925.6	15783.4	15937.0	15698.2	15283.1	14919.2	14845.3
50°	15817.6	15789.1	16192.8	16659.0	16784.1	16534.0	16403.2	16244.0	15612.9	15175.1	14981.8
52.5°	14327.9	14492.8	15243.3	16539.6	17517.6	17727.9	16966.1	16232.6	15055.7	14202.8	14072.1
54°	12622.2	12775.7	13395.5	15317.2	17352.7	18063.4	16835.3	15277.4	13617.2	12605.2	12474.4
55°	10933.6	10763.0	11888.8	13850.3	16579.4	17767.7	16317.9	14043.6	12144.6	11217.8	11035.9
57.5°	5918.8	5947.2	6896.7	8750.3	11650.0	13622.9	12030.9	9500.8	7175.3	6134.8	6043.9
60°	1876.3	1921.8	2336.8	3536.5	5566.3	6646.6	5697.1	3815.1	2638.2	2115.1	2029.8
62.5°	585.6	608.4	665.2	989.3	1523.8	2177.6	1705.7	1023.4	761.9	699.3	710.7
65°	358.2	358.2	363.9	386.6	454.9	528.8	511.7	449.2	432.1	420.7	415.1
67.5°	233.1	227.4	238.8	255.9	267.2	272.9	290.0	307.0	301.3	290.0	290.0
70°	142.1	136.5	147.8	170.6	176.3	187.6	204.7	227.4	221.7	210.4	216.1
72.5°	79.6	79.6	85.3	102.3	119.4	130.8	147.8	164.9	170.6	164.9	164.9
75°	28.4	34.1	45.5	62.5	73.9	91.0	108.0	125.1	142.1	130.8	125.1
77.5°	11.4	11.4	22.7	39.8	56.9	73.9	102.3	119.4	130.8	119.4	108.0
80°	5.7	5.7	17.1	34.1	51.2	68.2	85.3	102.3	108.0	96.7	85.3
82.5°	5.7	5.7	17.1	34.1	51.2	62.5	91.0	102.3	113.7	102.3	85.3
85°	0.0	5.7	17.1	34.1	45.5	51.2	51.2	34.1	28.4	17.1	17.1
87.5°	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)