

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: P647642

Luminaire Tested: **GALN-SA9D-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647642
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-SA9D-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 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: 49460.5 lumens
Efficiency: N/A
Efficacy: 89.6 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

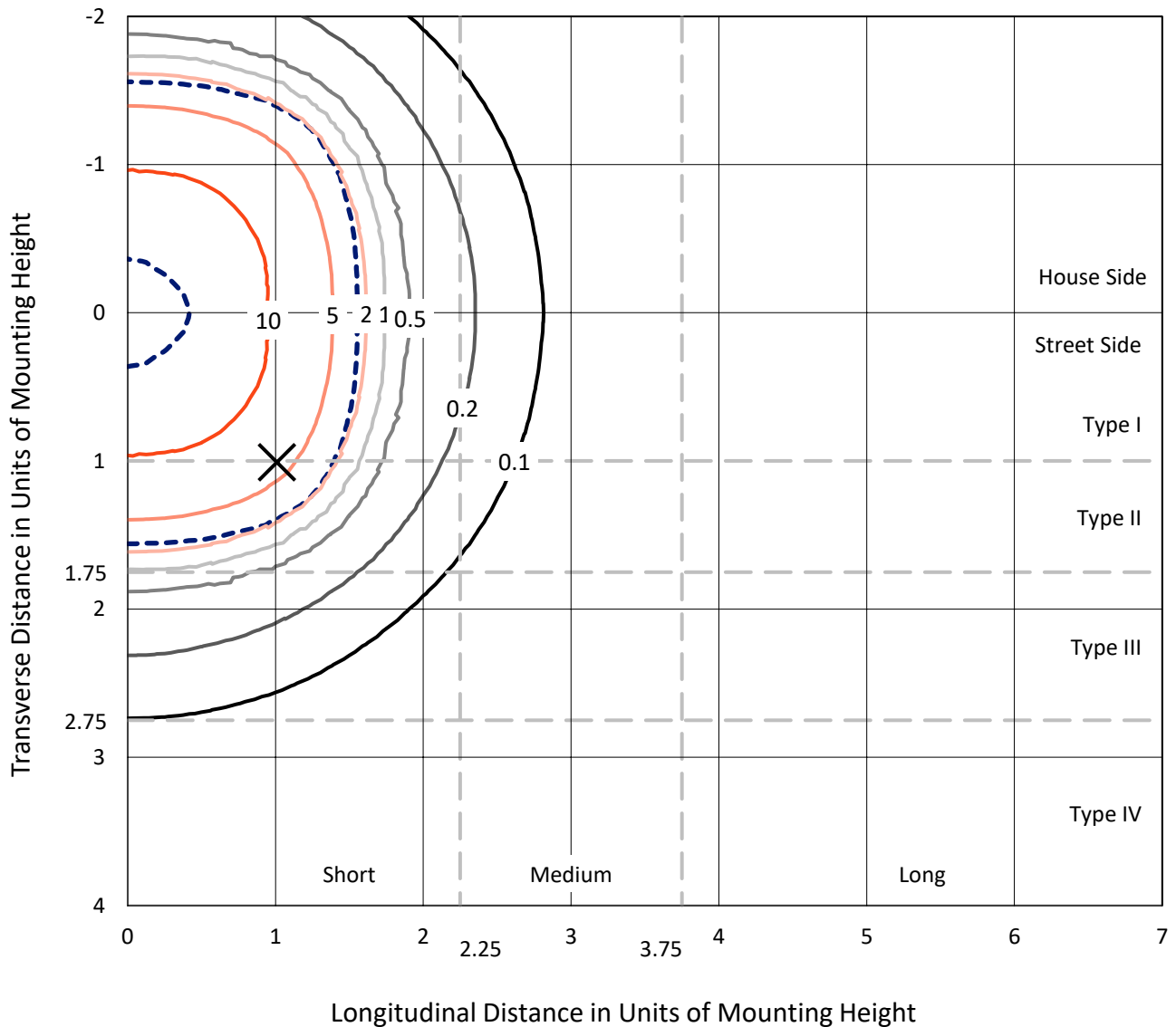
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647642
 CATALOG NUMBER: GALN-SA9D-835-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

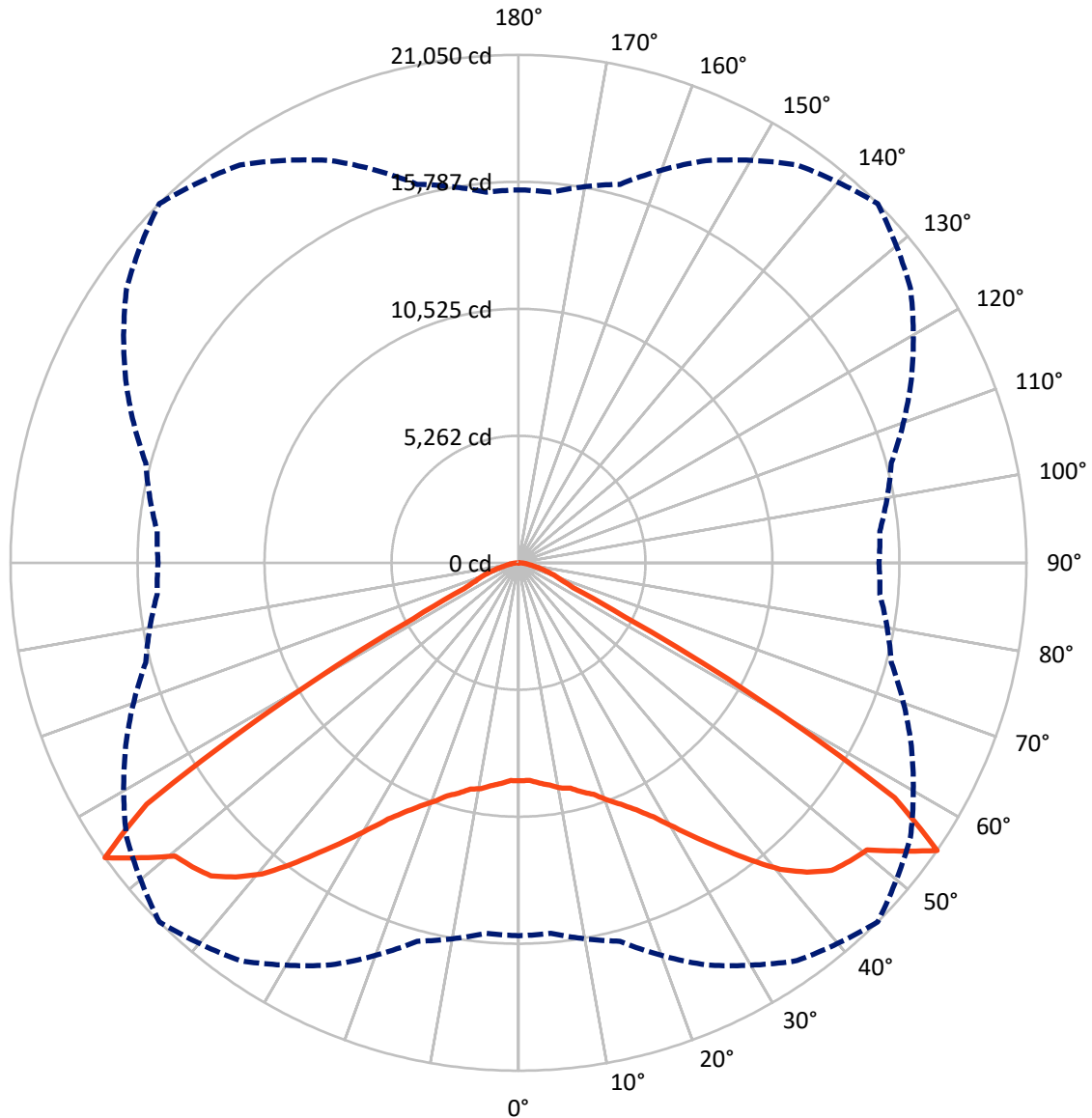
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
 Type V - Short - N/A

REPORT NUMBER: P647642
CATALOG NUMBER: GALN-SA9D-835-U-5NQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P647642
 CATALOG NUMBER: GALN-SA9D-835-U-5NQ-GRSWH

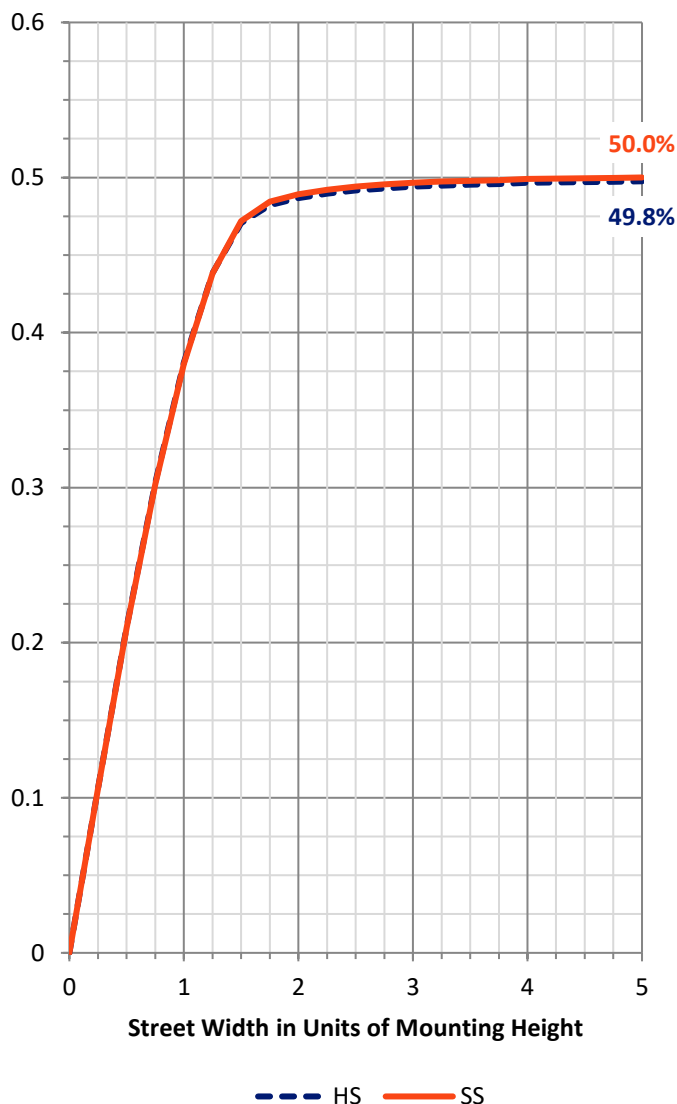
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24730.3	0.0	24730.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24730.3	0.0	24730.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	49460.5	0.0	49460.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	882.2	1.8
10°-20°	2795.3	5.7
20°-30°	5212.4	10.5
30°-40°	8727.2	17.6
40°-50°	13580.2	27.5
50°-60°	14100.5	28.5
60°-70°	2990.3	6.0
70°-80°	984.8	2.0
80°-90°	187.6	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°	49460.5	100.0
0°-180°	49460.5	100.0

Coefficient of Utilization

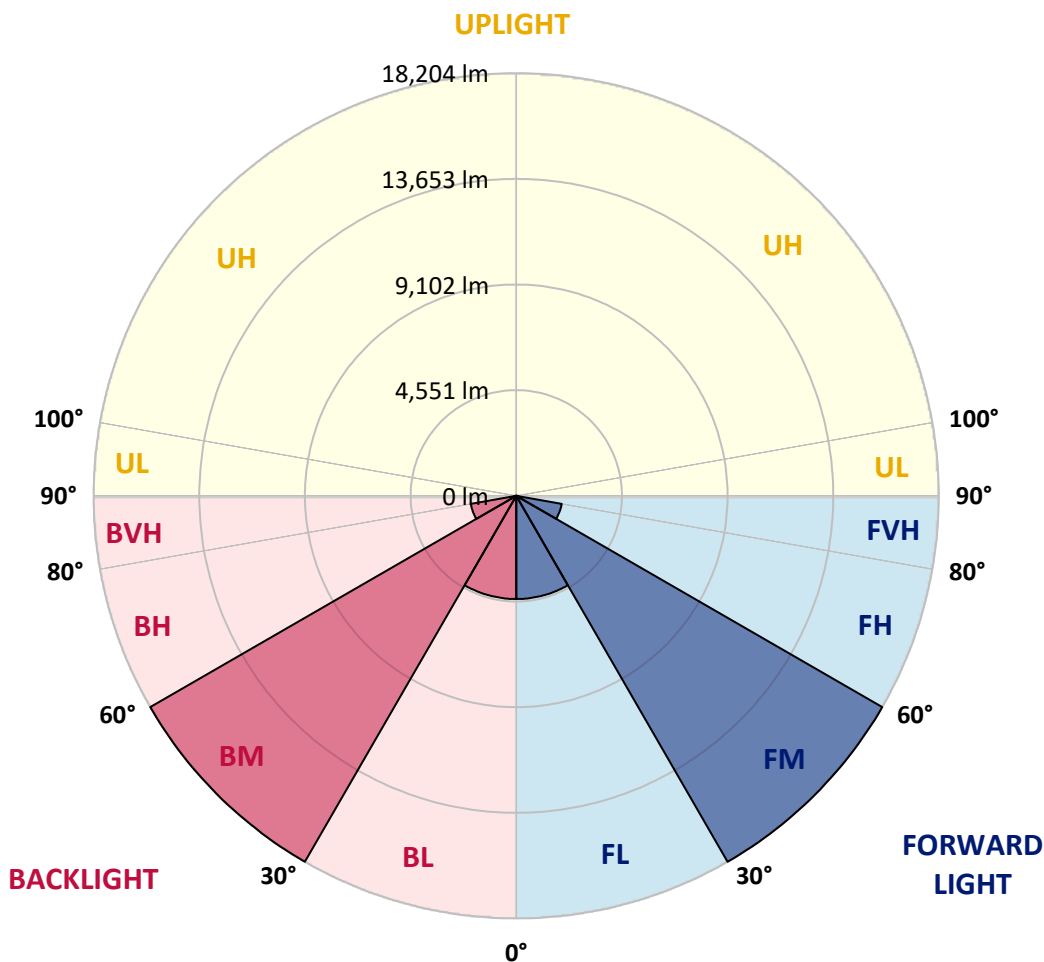


REPORT NUMBER: P647642
 CATALOG NUMBER: GALN-SA9D-835-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4445.0	9.0			
FM (30°-60°)	18204.0	36.8			
FH (60°-80°)	1987.5	4.0			G2/5000
FVH (80°-90°)	93.8	0.2			G1/100
BL (0°-30°)	4445.0	9.0	B4/5000		
BM (30°-60°)	18204.0	36.8	B5		
BH (60°-80°)	1987.5	4.0	B3/2500		G2/5000
BVH (80°-90°)	93.8	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-G2
 Type V Short





REPORT NUMBER: P647642

CATALOG NUMBER: GALN-SA9D-835-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9030.7	9030.7	9030.7	9030.7	9030.7	9030.7	9030.7	9030.7	9030.7	9030.7	9030.7
2.5°	9138.3	9096.5	9024.8	9078.6	9120.4	9030.7	9066.6	9084.5	9072.6	9024.8	9042.7
5°	9269.9	9245.9	9186.2	9228.0	9174.2	9174.2	9138.3	9090.6	9162.3	9150.3	9180.2
7.5°	9269.9	9239.9	9359.5	9281.8	9305.7	9305.7	9245.9	9198.1	9234.0	9180.2	9150.3
10°	9455.1	9496.9	9443.1	9461.1	9449.1	9491.0	9401.3	9371.4	9341.6	9323.7	9287.8
12.5°	9676.2	9646.3	9664.3	9652.4	9694.2	9586.6	9532.8	9467.0	9520.8	9443.1	9496.9
15°	9855.5	9837.6	9855.5	9903.4	9861.5	9855.5	9759.9	9694.2	9610.5	9628.4	9544.8
17.5°	10100.6	10082.7	10088.6	10130.5	10124.5	10094.6	10022.9	9897.4	9867.5	9819.7	9765.9
20°	10465.2	10435.3	10423.3	10441.2	10471.1	10495.0	10351.6	10303.8	10202.2	10124.5	10034.8
22.5°	10776.0	10764.0	10811.8	10734.1	10799.8	10871.6	10734.1	10710.2	10459.2	10417.3	10321.7
25°	11206.3	11188.4	11158.5	11272.0	11349.7	11343.7	11212.2	11080.8	10889.5	10841.7	10841.7
27.5°	11660.5	11558.9	11714.3	11744.1	11881.6	11923.4	11809.9	11618.6	11439.4	11337.8	11361.6
30°	12228.3	12132.7	12168.5	12383.7	12563.0	12718.3	12431.5	12150.6	11899.6	11720.3	11690.3
32.5°	12796.1	12700.4	12808.0	13017.2	13375.8	13608.9	13328.0	12837.9	12545.1	12282.1	12335.9
35°	13256.3	13328.0	13501.3	13818.1	14188.7	14565.1	14116.9	13740.4	13322.0	13029.1	13071.0
37.5°	13997.4	14218.5	14356.0	14720.6	15246.5	15635.0	15168.8	14678.7	14230.5	13848.0	13716.4
40°	14965.6	15115.0	15270.4	15700.7	16322.3	16710.8	16268.5	15629.0	15186.8	14792.3	14774.3
42.5°	16029.4	16172.9	16334.2	16860.2	17230.8	17523.6	17117.2	16776.6	16286.5	15975.6	15957.7
45°	17266.6	17165.0	17344.3	17690.9	18001.7	18193.0	17930.0	17762.7	17410.1	17123.2	17093.3
47.5°	18091.4	18001.7	18324.5	18635.2	18683.1	18473.9	18527.7	18683.1	18312.6	17840.3	17989.8
50°	18569.5	18569.5	18784.7	19071.6	18982.0	18713.0	19137.3	19149.3	18778.7	18360.3	18360.3
52.5°	17738.8	17924.0	18533.7	19472.0	19770.8	19848.6	19752.9	19346.5	18378.3	17523.6	17481.8
55°	15455.7	15413.8	16238.6	18390.2	20129.4	21049.9	19830.6	17959.9	15993.6	15031.3	14935.7
57.5°	10052.8	10100.6	11331.8	13525.2	16662.9	18378.3	16322.3	13692.6	11331.8	10004.9	10130.5
60°	4524.3	4685.7	5432.8	7070.4	9765.9	11164.4	9789.8	7429.0	5701.7	4948.7	5014.4
62.5°	2599.9	2629.7	2659.6	3155.6	4159.8	4918.8	4321.1	3335.0	2940.6	2809.0	2809.0
65°	2193.4	2175.5	2181.5	2223.3	2330.9	2486.3	2420.6	2330.9	2342.9	2330.9	2313.0
67.5°	1864.7	1888.6	1870.7	1900.6	1906.5	1930.5	1972.3	2008.2	2014.1	2026.1	2014.1
70°	1530.1	1536.0	1548.0	1571.9	1577.8	1595.8	1655.6	1685.4	1703.3	1703.3	1727.3
72.5°	1171.4	1165.4	1177.4	1201.3	1231.2	1237.1	1290.9	1332.8	1356.7	1326.8	1332.8
75°	771.0	777.0	794.9	812.8	854.6	896.5	914.5	956.3	962.2	974.2	944.3
77.5°	460.2	472.1	490.1	525.9	561.8	597.7	639.5	669.4	681.4	669.4	633.5
80°	298.9	298.9	322.8	352.6	394.5	424.3	448.3	472.1	490.1	472.1	460.2
82.5°	185.3	185.3	215.2	251.0	280.9	298.9	334.7	364.6	382.5	370.5	352.6
85°	95.6	101.6	125.5	155.4	179.3	191.3	185.3	167.3	149.4	143.4	131.5
87.5°	29.9	29.9	35.9	35.9	29.9	29.9	35.9	29.9	35.9	35.9	35.9
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)