

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: P648577

Luminaire Tested: **GALN-SA8B-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648577
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-SA8B-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA 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: 32406 lumens
Efficiency: N/A
Efficacy: 99.7 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

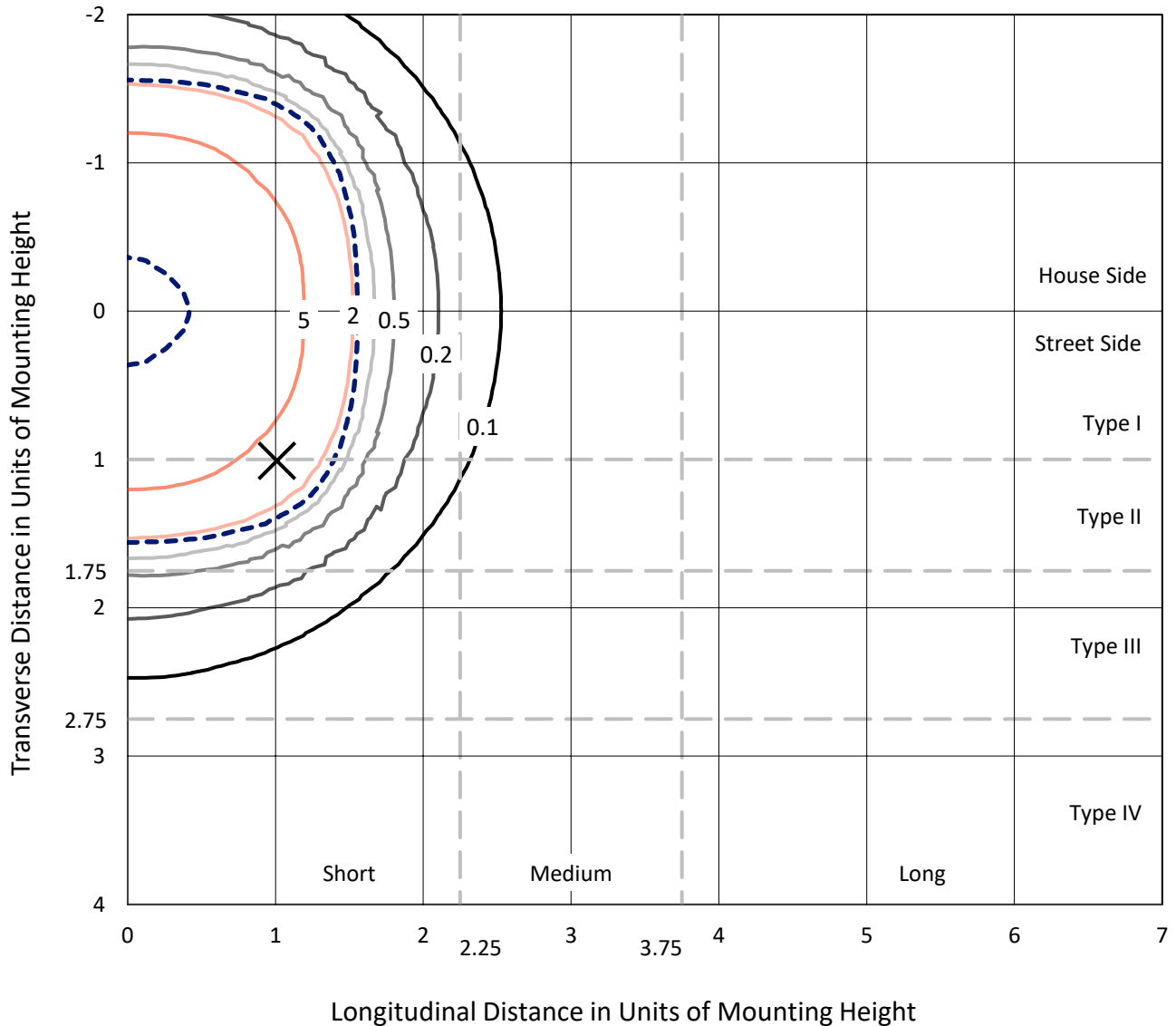
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

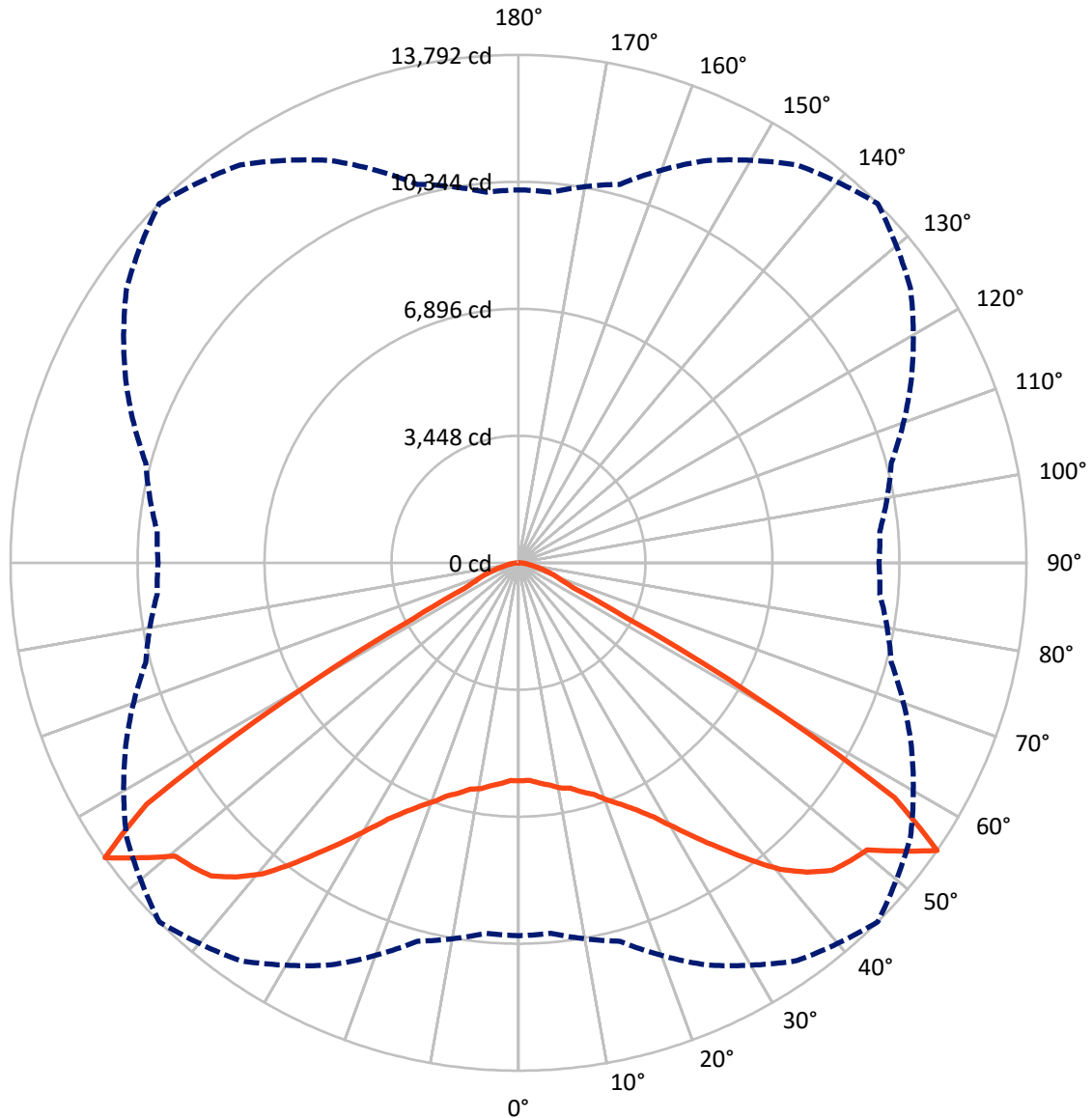
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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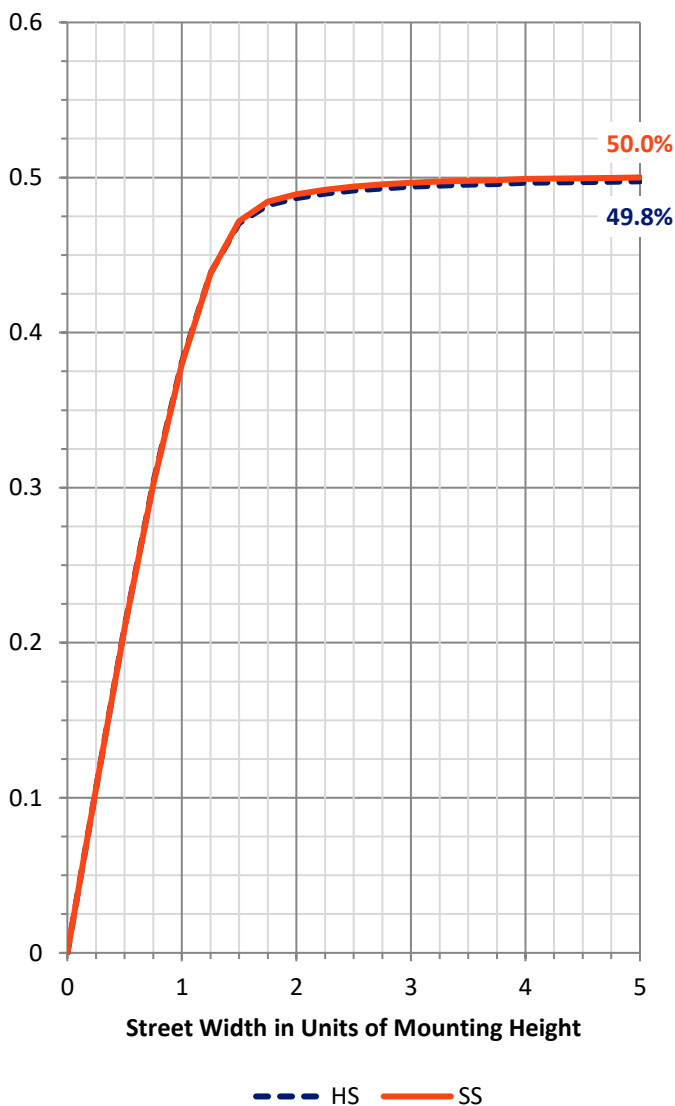
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16203.0	0.0	16203.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16203.0	0.0	16203.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32406.0	0.0	32406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.0	1.8
10°-20°	1831.5	5.7
20°-30°	3415.1	10.5
30°-40°	5718.0	17.6
40°-50°	8897.6	27.5
50°-60°	9238.5	28.5
60°-70°	1959.2	6.0
70°-80°	645.2	2.0
80°-90°	122.9	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°	32406.0	100.0
0°-180°	32406.0	100.0

Coefficient of Utilization

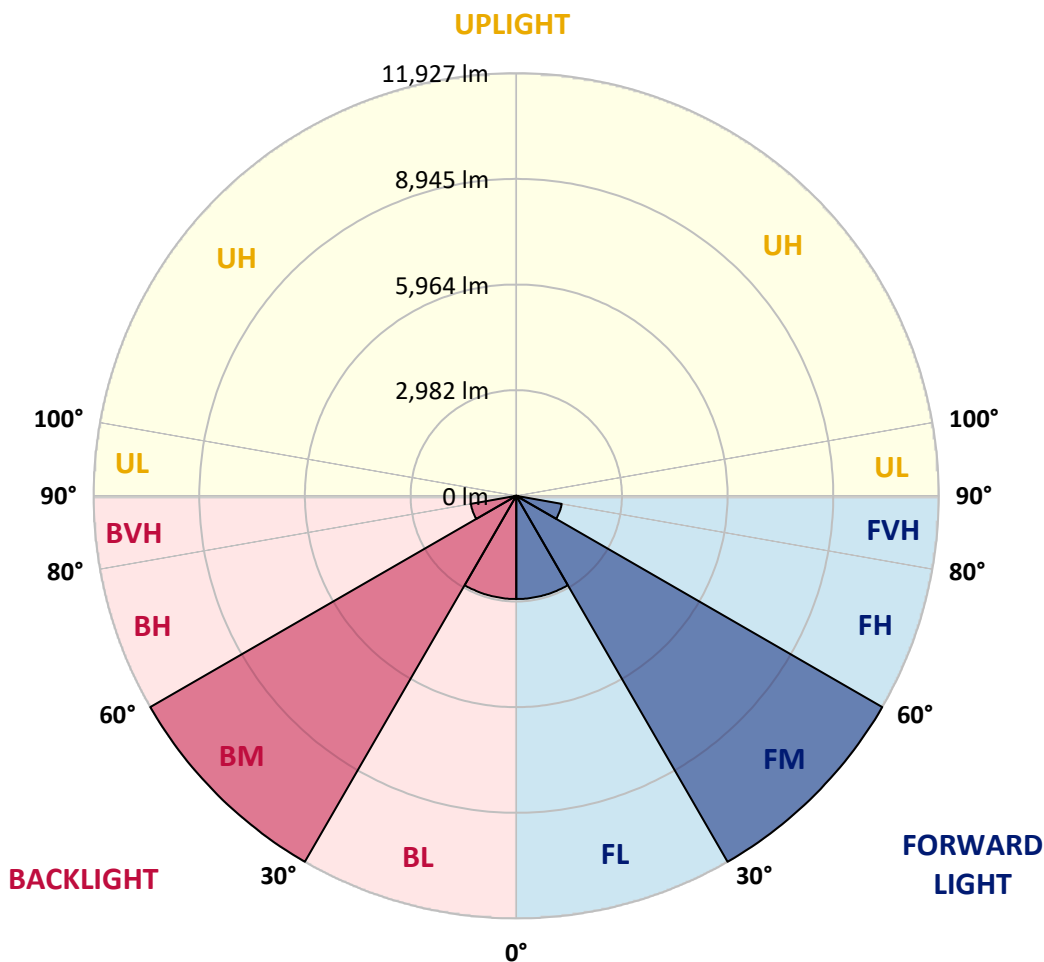


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2912.3	9.0			
FM (30°-60°)	11927.1	36.8			
FH (60°-80°)	1302.2	4.0			G1/1800
FVH (80°-90°)	61.4	0.2			G1/100
BL (0°-30°)	2912.3	9.0	B4/5000		
BM (30°-60°)	11927.1	36.8	B5		
BH (60°-80°)	1302.2	4.0	B3/2500		G1/1800
BVH (80°-90°)	61.4	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°	5916.8	5916.8	5916.8	5916.8	5916.8	5916.8	5916.8	5916.8	5916.8	5916.8	5916.8
2.5°	5987.4	5960.0	5912.9	5948.2	5975.6	5916.8	5940.4	5952.1	5944.3	5912.9	5924.7
5°	6073.5	6057.8	6018.7	6046.1	6010.9	6010.9	5987.4	5956.0	6003.0	5995.2	6014.8
7.5°	6073.5	6053.9	6132.2	6081.3	6097.0	6097.0	6057.8	6026.5	6050.0	6014.8	5995.2
10°	6194.9	6222.3	6187.0	6198.8	6190.9	6218.4	6159.6	6140.1	6120.5	6108.7	6085.2
12.5°	6339.8	6320.2	6332.0	6324.1	6351.5	6281.1	6245.8	6202.7	6237.9	6187.0	6222.3
15°	6457.2	6445.5	6457.2	6488.6	6461.2	6457.2	6394.6	6351.5	6296.7	6308.5	6253.6
17.5°	6617.8	6606.0	6609.9	6637.3	6633.4	6613.8	6566.9	6484.6	6465.1	6433.8	6398.5
20°	6856.7	6837.1	6829.2	6841.0	6860.6	6876.2	6782.3	6750.9	6684.4	6633.4	6574.7
22.5°	7060.3	7052.5	7083.8	7032.9	7076.0	7123.0	7032.9	7017.2	6852.7	6825.3	6762.7
25°	7342.2	7330.4	7310.9	7385.3	7436.2	7432.3	7346.1	7260.0	7134.7	7103.4	7103.4
27.5°	7639.8	7573.3	7675.0	7694.6	7784.7	7812.1	7737.8	7612.4	7495.0	7428.4	7444.1
30°	8011.8	7949.2	7972.7	8113.7	8231.1	8332.9	8145.0	7960.9	7796.5	7679.0	7659.4
32.5°	8383.8	8321.2	8391.6	8528.7	8763.6	8916.4	8732.3	8411.2	8219.4	8047.0	8082.4
35°	8685.3	8732.3	8845.9	9053.4	9296.2	9543.0	9249.3	9002.5	8728.4	8536.6	8564.0
37.5°	9171.0	9315.8	9405.9	9644.8	9989.4	10243.9	9938.5	9617.4	9323.7	9073.0	8986.9
40°	9805.3	9903.2	10005.0	10287.0	10694.2	10948.8	10659.0	10240.0	9950.2	9691.7	9680.0
42.5°	10502.3	10596.3	10702.0	11046.6	11289.4	11481.3	11215.0	10991.8	10670.7	10467.1	10455.3
45°	11312.9	11246.3	11363.8	11590.9	11794.6	11919.8	11747.6	11637.9	11406.9	11218.9	11199.3
47.5°	11853.3	11794.6	12006.0	12209.6	12241.0	12103.9	12139.2	12241.0	11998.1	11688.9	11786.7
50°	12166.6	12166.6	12307.5	12495.5	12436.8	12260.5	12538.6	12546.4	12303.6	12029.5	12029.5
52.5°	11622.2	11743.7	12143.1	12757.9	12953.6	13004.5	12941.9	12675.6	12041.3	11481.3	11453.9
55°	10126.4	10099.0	10639.4	12049.1	13188.6	13791.6	12992.8	11767.2	10478.8	9848.3	9785.7
57.5°	6586.4	6617.8	7424.5	8861.6	10917.4	12041.3	10694.2	8971.2	7424.5	6555.1	6637.3
60°	2964.3	3070.1	3559.5	4632.5	6398.5	7314.8	6414.2	4867.4	3735.7	3242.3	3285.4
62.5°	1703.4	1723.0	1742.6	2067.6	2725.5	3222.7	2831.2	2185.0	1926.6	1840.4	1840.4
65°	1437.1	1425.4	1429.3	1456.7	1527.2	1629.0	1585.9	1527.2	1535.0	1527.2	1515.4
67.5°	1221.7	1237.4	1225.6	1245.2	1249.1	1264.9	1292.3	1315.8	1319.7	1327.5	1319.7
70°	1002.5	1006.4	1014.2	1029.9	1033.8	1045.5	1084.7	1104.3	1116.0	1116.0	1131.7
72.5°	767.5	763.6	771.4	787.1	806.6	810.6	845.8	873.2	888.9	869.3	873.2
75°	505.1	509.0	520.8	532.5	560.0	587.4	599.2	626.6	630.5	638.3	618.7
77.5°	301.5	309.4	321.1	344.6	368.1	391.6	419.0	438.6	446.4	438.6	415.1
80°	195.8	195.8	211.5	231.1	258.5	278.0	293.7	309.4	321.1	309.4	301.5
82.5°	121.4	121.4	140.9	164.4	184.1	195.8	219.3	238.9	250.6	242.8	231.1
85°	62.6	66.6	82.2	101.8	117.4	125.3	121.4	109.6	97.9	94.0	86.1
87.5°	19.6	19.6	23.5	23.5	19.6	19.6	23.5	19.6	23.5	23.5	23.5
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)