

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: P382598

Luminaire Tested: **GLEON-SA0A-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA0A-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45140 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

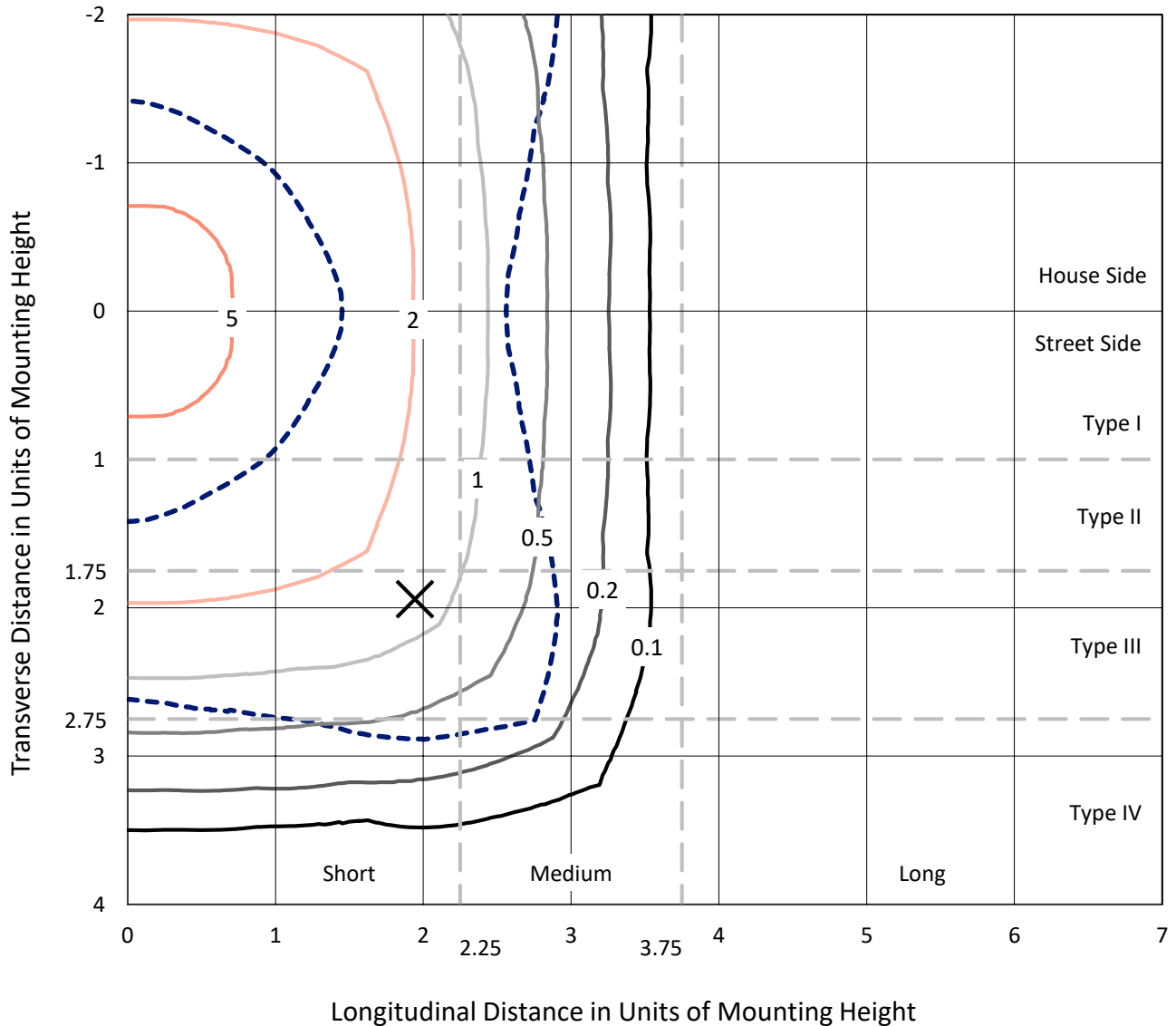
Input Watts (W): 323
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P382598
 CATALOG NUMBER: GLEON-SA0A-735-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

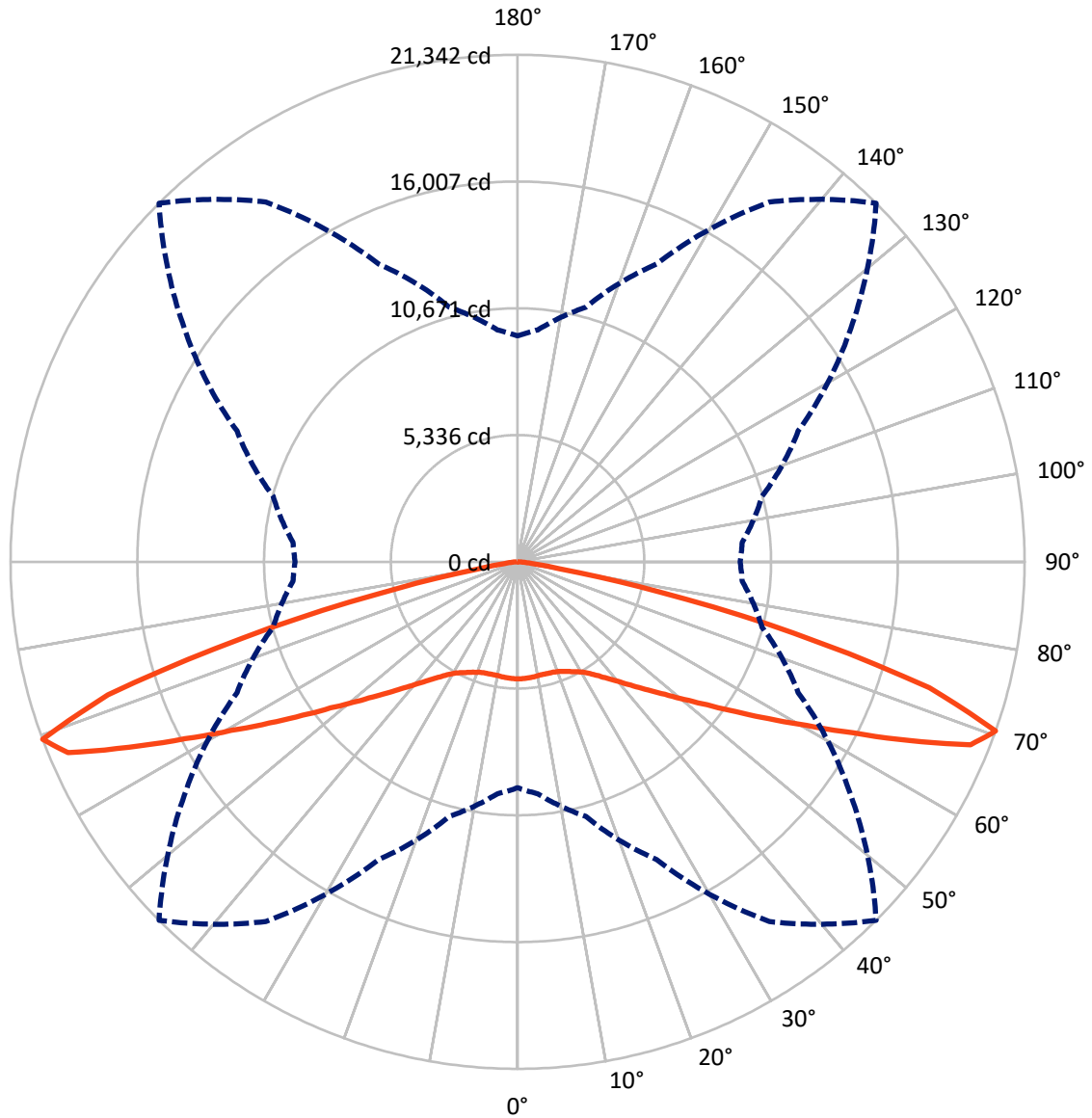
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

REPORT NUMBER: P382598
CATALOG NUMBER: GLEON-SA0A-735-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P382598
 CATALOG NUMBER: GLEON-SA0A-735-U-5MQ

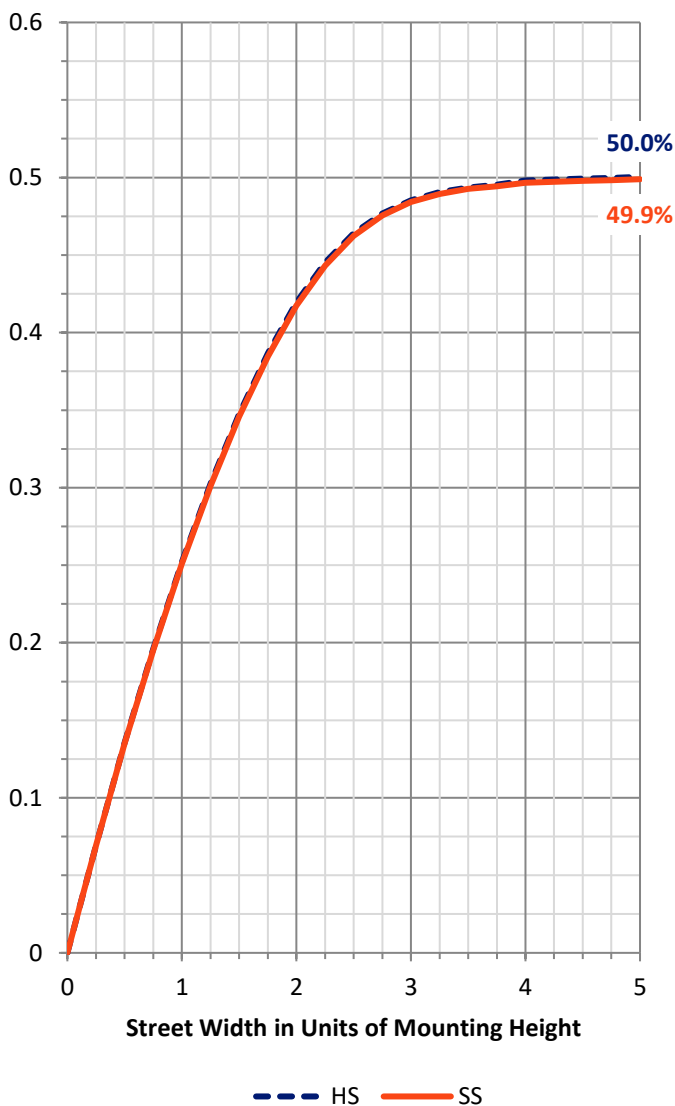
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22570.0	0.0	22570.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22570.0	0.0	22570.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45140.0	0.0	45140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.9	1.0
10°-20°	1370.8	3.0
20°-30°	2333.5	5.2
30°-40°	3700.9	8.2
40°-50°	6022.5	13.3
50°-60°	9930.0	22.0
60°-70°	14577.5	32.3
70°-80°	6446.1	14.3
80°-90°	291.9	0.6
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°	45140.0	100.0
0°-180°	45140.0	100.0

Coefficient of Utilization



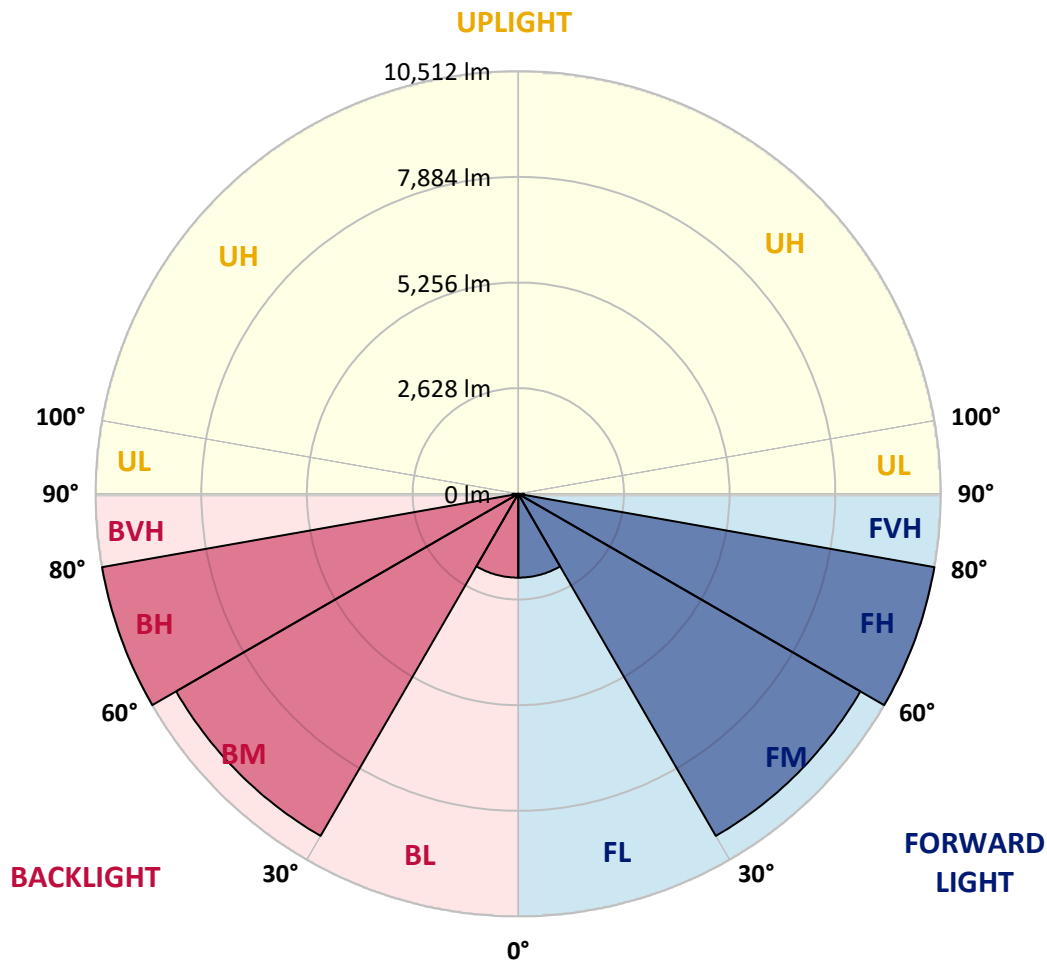
REPORT NUMBER: P382598
 CATALOG NUMBER: GLEON-SA0A-735-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.6	4.6			
FM (30°-60°)	9826.7	21.8			
FH (60°-80°)	10511.8	23.3			G4/12000
FVH (80°-90°)	146.0	0.3			G2/225
BL (0°-30°)	2085.6	4.6	B3/2500		
BM (30°-60°)	9826.7	21.8	B5		
BH (60°-80°)	10511.8	23.3	B5		G4/12000
BVH (80°-90°)	146.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P382598
 CATALOG NUMBER: GLEON-SA0A-735-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4930.0	4930.0	4930.0	4930.0	4930.0	4930.0	4930.0	4930.0	4930.0	4930.0	4930.0
2.5°	4922.5	4918.0	4928.5	4927.0	4918.0	4919.5	4919.5	4924.0	4924.0	4921.0	4921.0
5°	4904.6	4901.6	4913.5	4913.5	4904.6	4907.6	4910.6	4915.0	4913.5	4910.6	4909.1
7.5°	4882.1	4880.7	4892.7	4892.7	4886.7	4889.7	4886.7	4888.2	4885.1	4882.1	4877.7
10°	4844.8	4847.9	4858.3	4861.3	4861.3	4862.8	4859.8	4852.3	4847.9	4843.3	4838.8
12.5°	4810.5	4809.0	4823.9	4831.4	4843.3	4856.8	4847.9	4826.9	4818.0	4809.0	4806.0
15°	4788.1	4789.6	4804.5	4818.0	4838.8	4867.2	4856.8	4823.9	4806.0	4795.5	4792.5
17.5°	4783.6	4786.6	4806.0	4829.9	4852.3	4883.6	4877.7	4844.8	4815.0	4795.5	4791.0
20°	4794.0	4795.5	4825.4	4859.8	4898.6	4928.5	4915.0	4879.2	4838.8	4809.0	4801.5
22.5°	4813.5	4819.5	4856.8	4910.6	4970.4	5010.7	4994.2	4933.0	4870.2	4832.9	4822.4
25°	4874.7	4876.2	4927.0	5000.2	5071.9	5118.2	5098.8	5012.2	4931.5	4889.7	4876.2
27.5°	5001.7	5006.1	5057.0	5142.1	5203.3	5233.2	5221.3	5151.1	5082.3	5037.5	5042.0
30°	5185.5	5191.4	5248.2	5342.3	5379.7	5387.1	5384.2	5351.3	5288.6	5228.8	5233.2
32.5°	5409.6	5412.6	5488.7	5573.9	5603.7	5609.7	5603.7	5573.9	5499.2	5418.5	5423.0
35°	5697.9	5706.8	5780.1	5862.2	5886.1	5898.1	5887.6	5848.7	5771.0	5691.9	5688.9
37.5°	6053.5	6055.0	6131.1	6216.3	6246.1	6249.1	6237.2	6211.7	6114.7	6042.9	6038.5
40°	6465.8	6471.7	6561.4	6652.5	6664.5	6651.0	6667.5	6652.5	6552.4	6470.3	6483.7
42.5°	6967.7	6981.2	7088.7	7178.3	7144.0	7136.5	7147.0	7151.5	7070.8	6970.7	6961.7
45°	7551.9	7563.8	7698.2	7769.9	7747.6	7698.2	7719.2	7755.0	7643.0	7519.0	7530.9
47.5°	8218.1	8248.0	8391.5	8458.6	8403.4	8336.1	8376.5	8430.3	8298.8	8145.0	8137.4
50°	8959.2	8996.5	9187.7	9281.8	9226.5	9102.5	9169.8	9205.6	9015.9	8817.2	8800.8
52.5°	9749.4	9786.7	10027.3	10221.5	10185.6	9992.9	10087.1	10049.7	9831.6	9564.2	9543.2
55°	10644.3	10659.2	10919.2	11232.9	11268.7	11126.9	11120.9	11059.6	10736.9	10427.7	10412.7
57.5°	11564.6	11575.0	11911.1	12281.6	12450.5	12450.5	12283.1	12153.2	11724.5	11365.9	11328.6
60°	12558.0	12595.4	12967.3	13470.8	13865.2	13981.8	13685.9	13331.8	12865.8	12428.1	12384.7
62.5°	13442.4	13485.7	14054.9	14804.9	15438.4	15862.6	15139.5	14562.9	13714.3	13012.2	12930.1
65°	13554.5	13671.0	14500.2	15858.1	17275.9	18123.0	16736.6	15315.9	13769.6	12794.1	12710.4
67.5°	12378.8	12576.0	13696.5	15810.3	18739.9	20558.0	17757.0	14885.6	12777.7	11699.0	11606.4
70°	9511.9	9798.8	11091.0	13829.4	18487.5	21342.4	17117.6	13031.6	10653.3	9492.5	9362.5
72.5°	5218.3	5336.4	6498.7	9470.0	14821.4	18136.4	14277.6	9635.9	7064.9	5748.7	5530.6
75°	1655.3	1697.1	2288.7	3875.2	8383.9	12012.8	9069.7	4729.8	2604.0	1919.7	1897.3
77.5°	735.0	739.5	827.7	1130.9	2887.8	6086.3	3468.9	1287.8	887.4	775.3	800.8
80°	464.7	464.7	512.4	560.2	785.9	1767.3	938.2	612.5	522.9	485.5	496.0
82.5°	222.6	246.5	333.1	358.6	431.8	594.6	481.1	400.4	349.6	259.9	242.0
85°	146.4	122.5	210.6	237.5	251.0	285.3	279.4	264.5	228.6	130.0	144.9
87.5°	65.8	62.8	109.1	100.0	94.1	71.7	107.6	132.9	128.5	64.3	64.3
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)