

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: P383664

Luminaire Tested: **GLEON-SA9C-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA9C-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62043.9 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

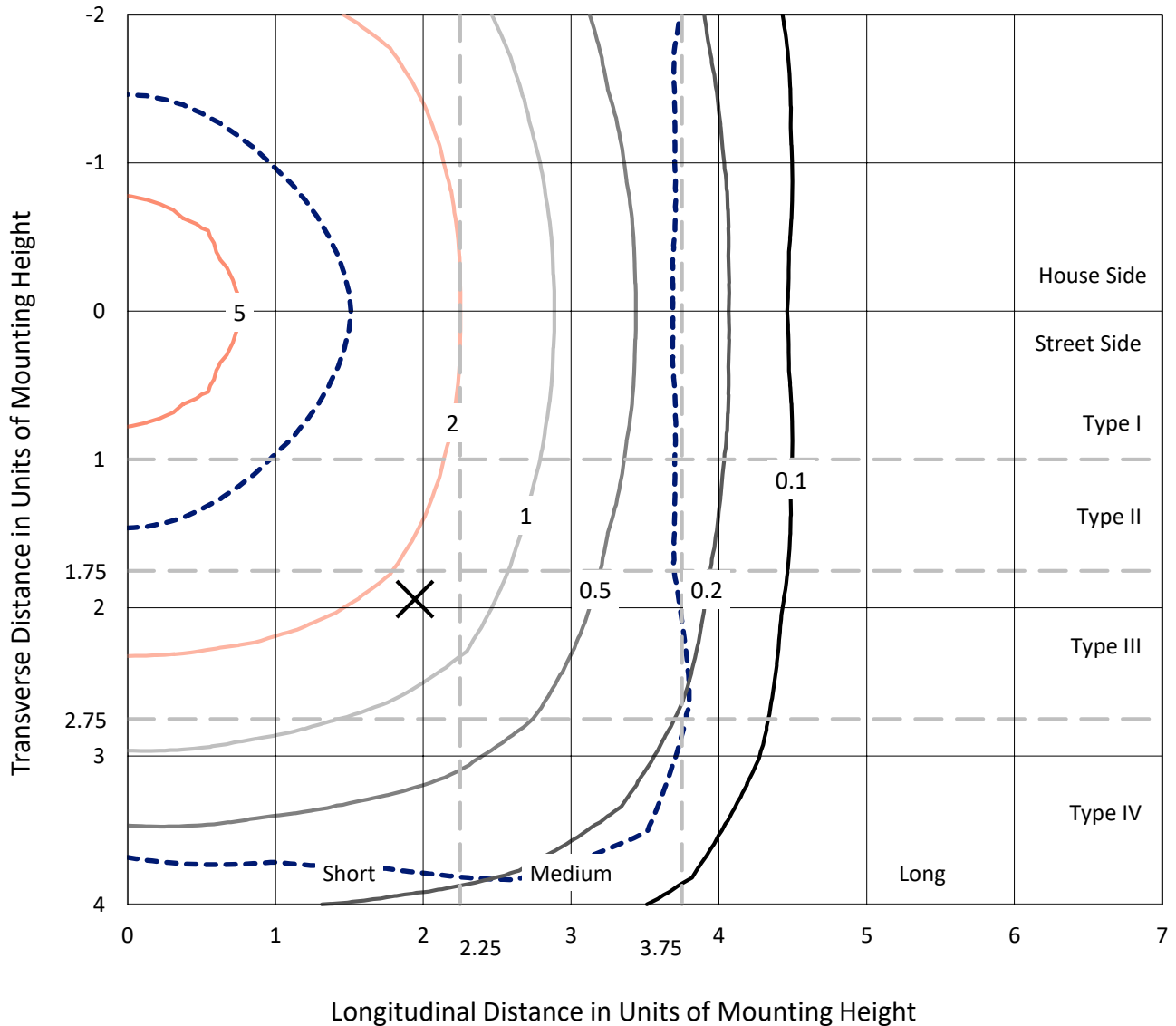
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

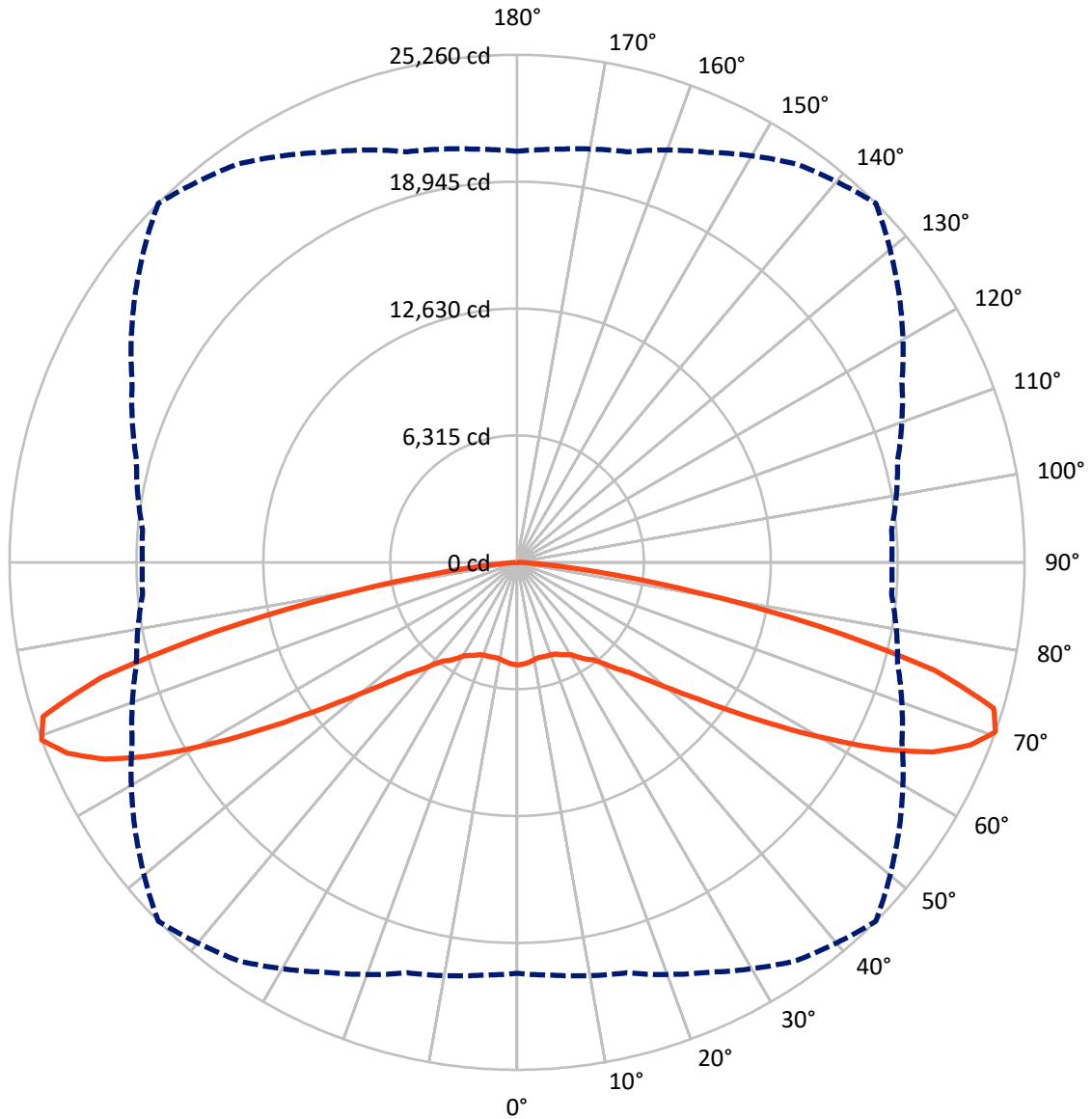
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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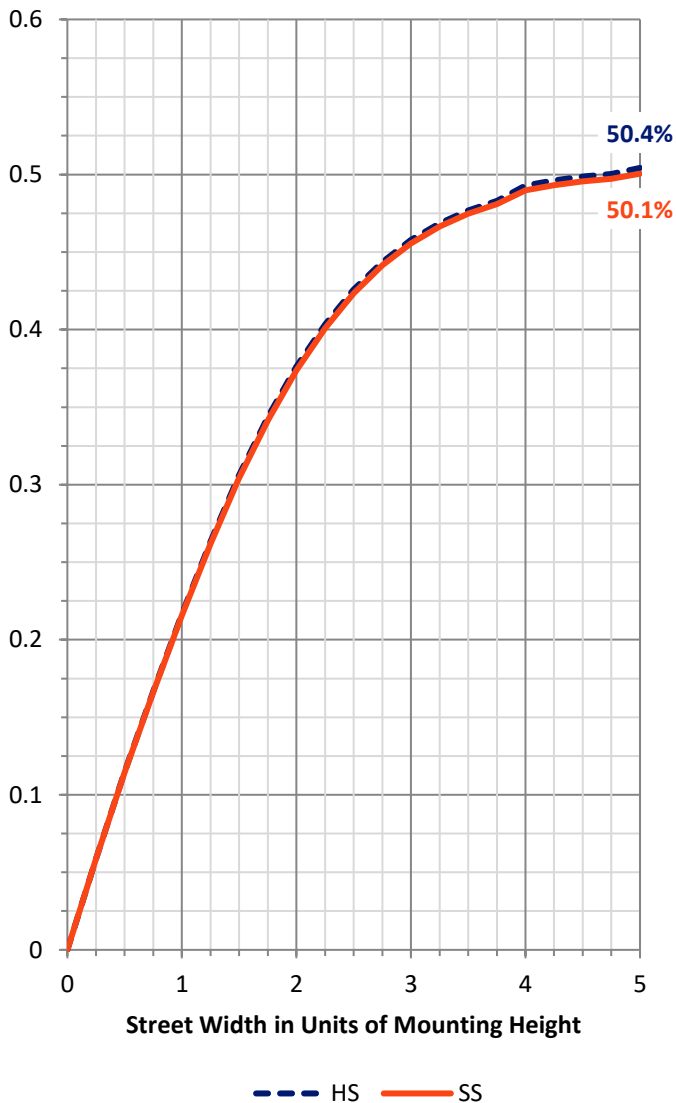
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31021.9	0.0	31021.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31021.9	0.0	31021.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	62043.9	0.0	62043.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.6	0.8
10°-20°	1392.1	2.2
20°-30°	2373.5	3.8
30°-40°	3708.7	6.0
40°-50°	6285.3	10.1
50°-60°	11461.8	18.5
60°-70°	19732.2	31.8
70°-80°	15466.9	24.9
80°-90°	1146.8	1.8
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°	62043.9	100.0
0°-180°	62043.9	100.0



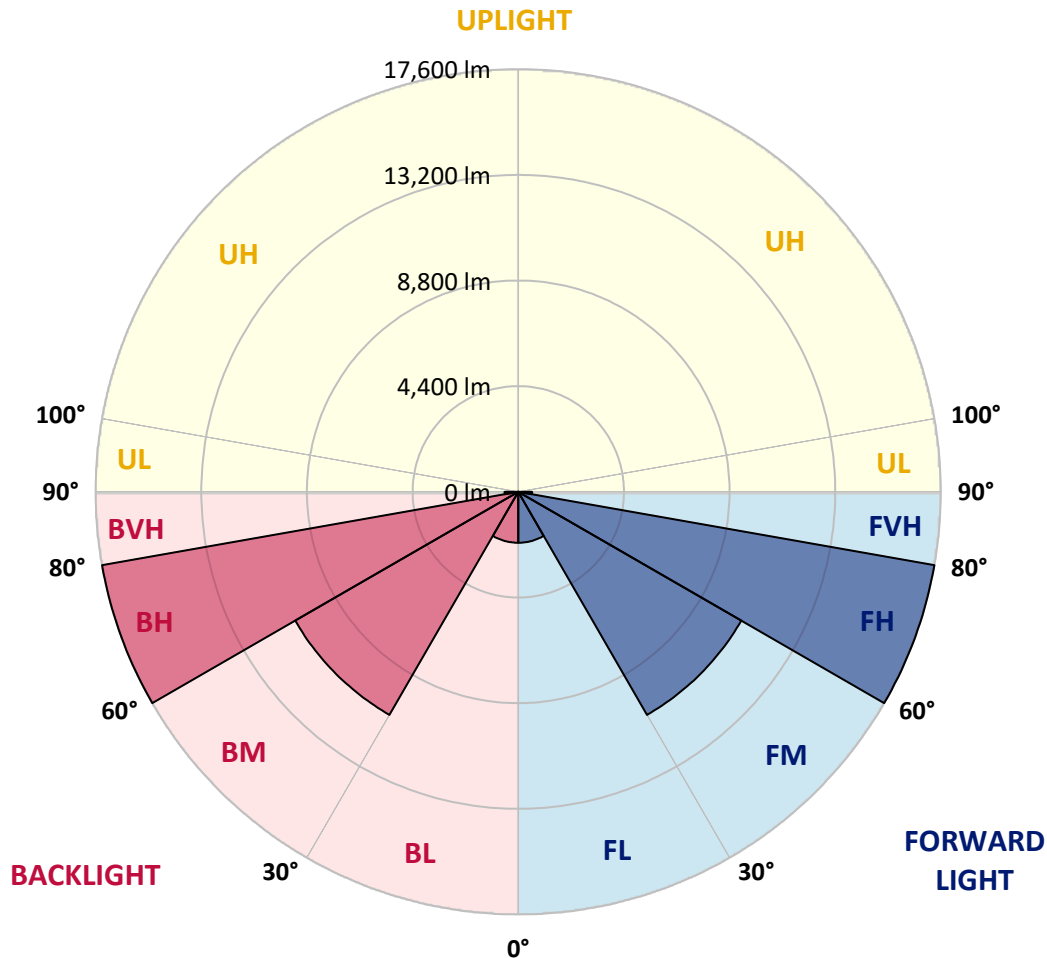
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2121.1	3.4			
FM (30°-60°)	10727.9	17.3			
FH (60°-80°)	17599.5	28.4			G5
FVH (80°-90°)	573.4	0.9			G4/750
BL (0°-30°)	2121.1	3.4	B3/2500		
BM (30°-60°)	10727.9	17.3	B5		
BH (60°-80°)	17599.5	28.4	B5		G5
BVH (80°-90°)	573.4	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5106.2	5106.2	5106.2	5106.2	5106.2	5106.2	5106.2	5106.2	5106.2	5106.2	5106.2
2.5°	5083.6	5089.8	5083.6	5087.7	5077.5	5081.6	5081.6	5081.6	5079.5	5081.6	5077.5
5°	5038.5	5042.6	5034.4	5038.5	5032.3	5038.5	5040.5	5038.5	5034.4	5036.4	5028.2
7.5°	4970.7	4974.8	4968.7	4974.8	4966.6	4976.9	4974.8	4968.7	4962.5	4962.5	4954.3
10°	4933.8	4935.9	4919.4	4913.3	4894.8	4898.9	4905.1	4911.2	4917.4	4929.7	4927.7
12.5°	4935.9	4935.9	4911.2	4884.6	4857.9	4864.1	4874.3	4896.9	4921.6	4944.1	4946.1
15°	4956.4	4954.3	4917.4	4874.3	4855.9	4874.3	4880.5	4894.8	4933.8	4972.8	4974.8
17.5°	4970.7	4970.7	4913.3	4864.1	4862.0	4890.7	4888.7	4894.8	4937.9	4995.4	4997.5
20°	4997.5	4997.5	4923.6	4870.2	4870.2	4901.0	4903.0	4913.3	4956.4	5020.0	5030.3
22.5°	5057.0	5059.0	4981.0	4937.9	4942.0	4960.5	4966.6	4983.0	5022.1	5091.8	5104.1
25°	5141.1	5145.2	5065.2	5040.5	5054.9	5089.8	5085.7	5098.0	5141.1	5208.8	5221.1
27.5°	5258.1	5247.9	5173.9	5163.7	5178.0	5202.7	5200.6	5202.7	5237.5	5299.1	5313.5
30°	5410.0	5405.9	5352.5	5358.6	5352.5	5344.3	5346.3	5362.7	5381.3	5430.5	5444.9
32.5°	5557.7	5561.8	5529.0	5559.8	5604.9	5635.7	5588.5	5543.4	5522.9	5549.5	5561.8
35°	5824.5	5834.8	5783.5	5762.9	5824.5	5914.9	5781.5	5707.6	5748.6	5783.5	5793.8
37.5°	6278.1	6284.2	6198.1	6116.0	6070.8	6157.0	6023.6	6029.8	6173.5	6239.1	6237.1
40°	6795.3	6797.3	6739.8	6668.0	6590.0	6610.5	6557.3	6573.7	6668.0	6727.5	6743.9
42.5°	7411.0	7404.9	7314.5	7211.9	7189.3	7209.9	7119.5	7107.2	7216.0	7322.7	7324.8
45°	8209.4	8195.0	8078.0	7965.1	7856.4	7811.2	7788.7	7848.1	7998.0	8096.5	8098.5
47.5°	9069.3	9030.3	8968.8	8878.4	8784.0	8738.8	8702.0	8730.7	8839.5	8878.4	8882.5
50°	9953.9	9962.1	9974.4	9939.5	9904.6	9890.2	9793.7	9738.3	9771.2	9699.4	9689.1
52.5°	11002.6	11019.0	11138.0	11238.6	11298.1	11328.9	11146.2	10955.4	10848.6	10709.1	10668.1
55°	12240.2	12266.8	12441.3	12720.4	13007.8	13159.6	12829.2	12472.0	12141.6	11881.0	11796.8
57.5°	13619.3	13666.5	13906.6	14442.3	15031.4	15390.5	14832.3	14183.7	13545.4	13169.8	13104.2
60°	15236.6	15281.8	15614.2	16381.7	17336.1	17875.8	17030.3	15969.2	15175.0	14815.8	14694.8
62.5°	17161.6	17165.7	17574.2	18471.0	19731.2	20482.3	19337.2	17919.0	17100.0	16667.1	16550.1
65°	19232.5	19242.7	19665.5	20634.2	21937.5	22754.3	21461.3	19983.7	18982.1	18343.8	18253.5
67.5°	20695.8	20738.9	21184.2	22350.0	23569.1	24305.8	22967.7	21297.1	20139.6	19378.1	19302.2
70°	20461.8	20630.1	21153.5	22514.2	24209.4	25260.2	23211.9	21141.1	19614.2	18715.3	18651.6
72.5°	17845.1	18167.3	18865.1	20650.6	23361.8	24808.7	21880.0	18934.9	17206.8	16441.3	16326.4
75°	12151.9	12675.3	13728.1	16303.8	19959.0	21479.8	18419.8	15097.0	13471.6	12412.5	12334.5
77.5°	5418.2	5537.2	6871.2	9836.9	13773.2	15425.4	13383.3	9875.9	7413.1	5912.8	5596.7
80°	1510.5	1528.9	2040.0	3663.4	6893.8	9063.1	7400.8	3848.1	2163.1	1524.9	1436.6
82.5°	480.2	521.3	636.2	950.3	2317.1	4135.4	2378.7	1026.2	730.6	582.9	525.4
85°	234.0	232.0	322.2	385.8	591.1	915.3	630.1	476.1	416.6	277.0	250.4
87.5°	98.6	100.6	149.8	135.4	172.4	147.7	203.2	213.4	223.7	123.2	106.8
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)