

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: P383522

Luminaire Tested: **GLEON-SA8B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383522
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-SA8B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44818.6 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

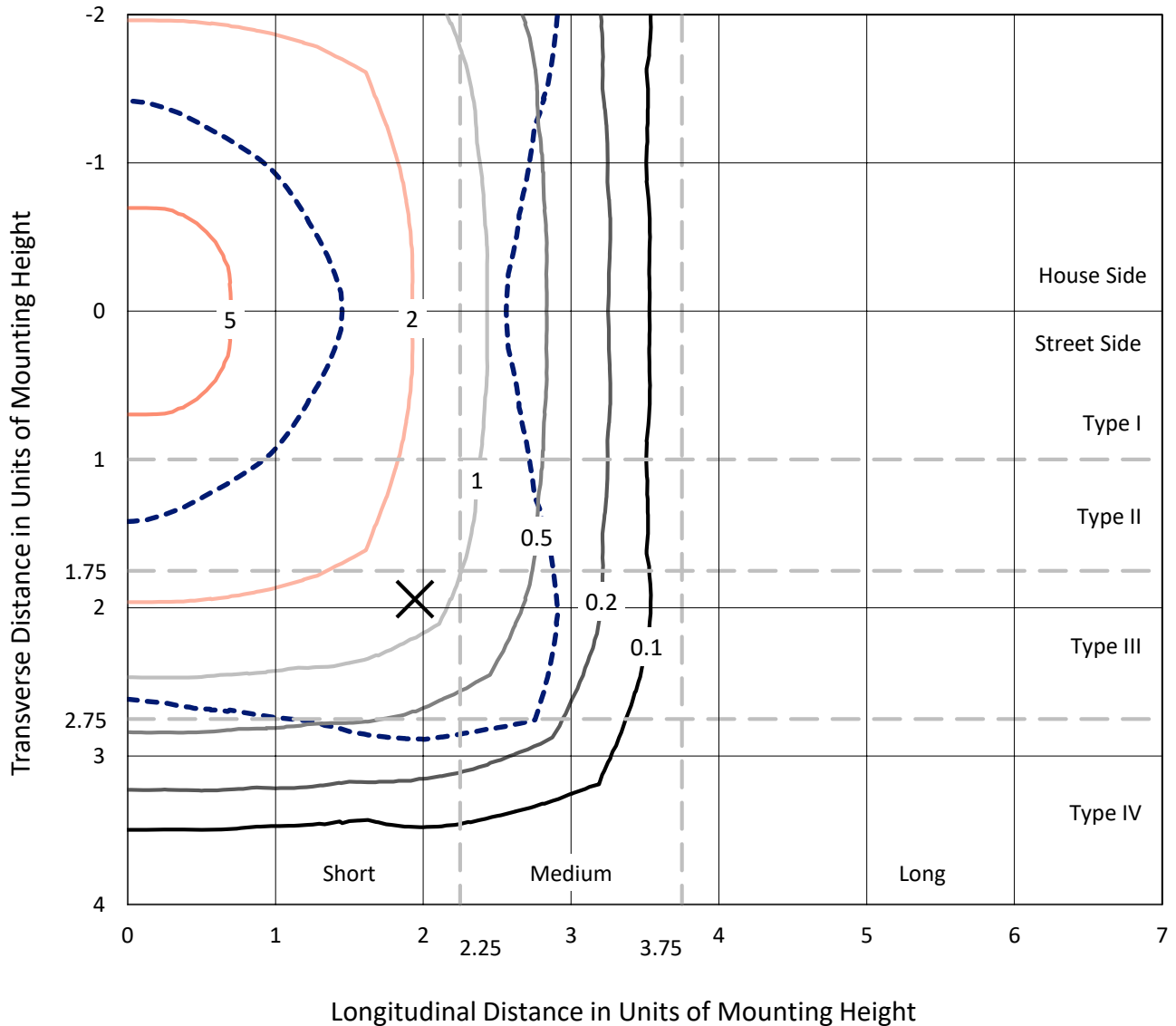
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

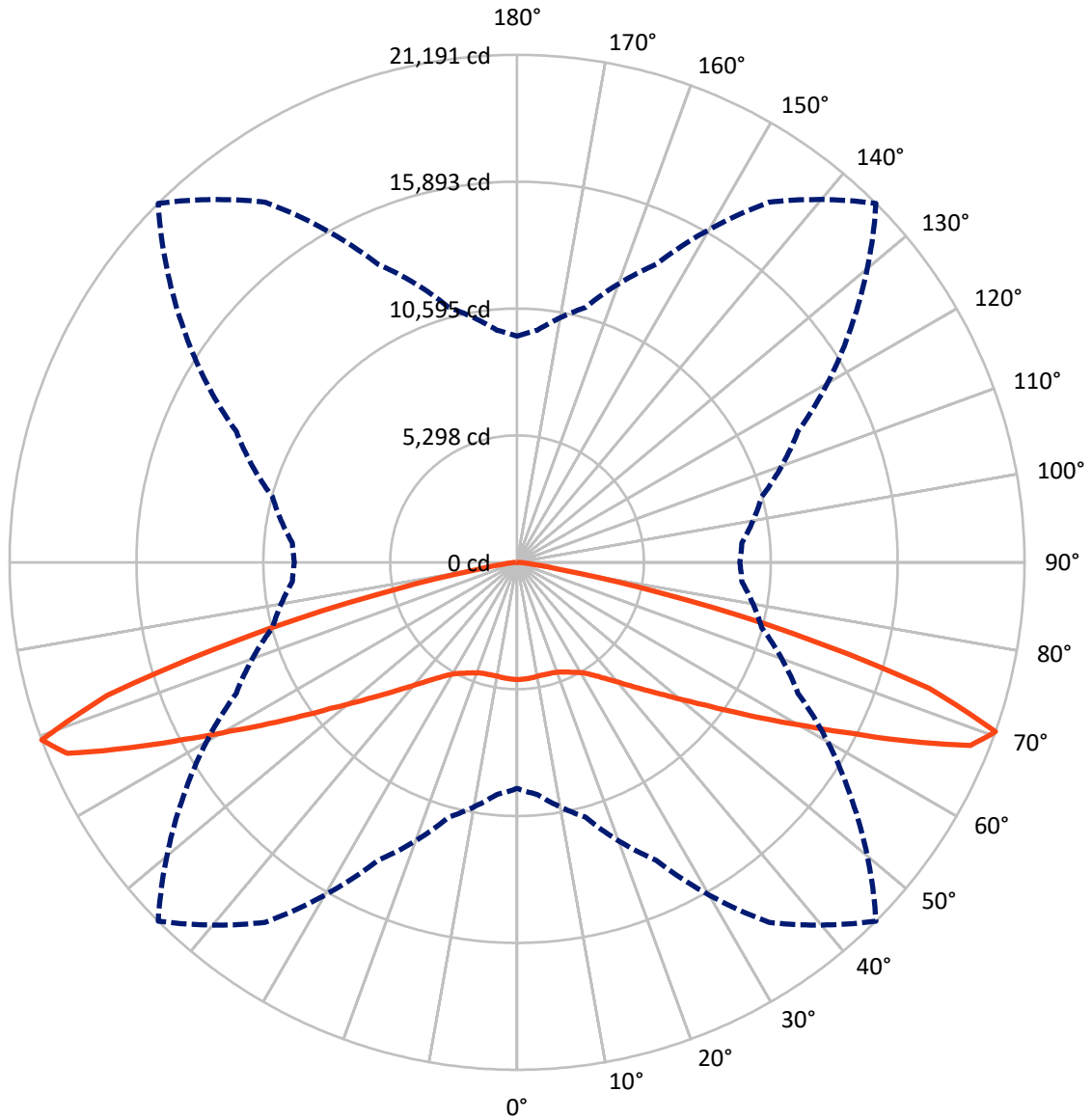
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	22409.3	0.0	22409.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22409.3	0.0	22409.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	44818.6	0.0	44818.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.6	1.0
10°-20°	1361.0	3.0
20°-30°	2316.9	5.2
30°-40°	3674.5	8.2
40°-50°	5979.6	13.3
50°-60°	9859.3	22.0
60°-70°	14473.7	32.3
70°-80°	6400.2	14.3
80°-90°	289.8	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°	44818.6	100.0
0°-180°	44818.6	100.0



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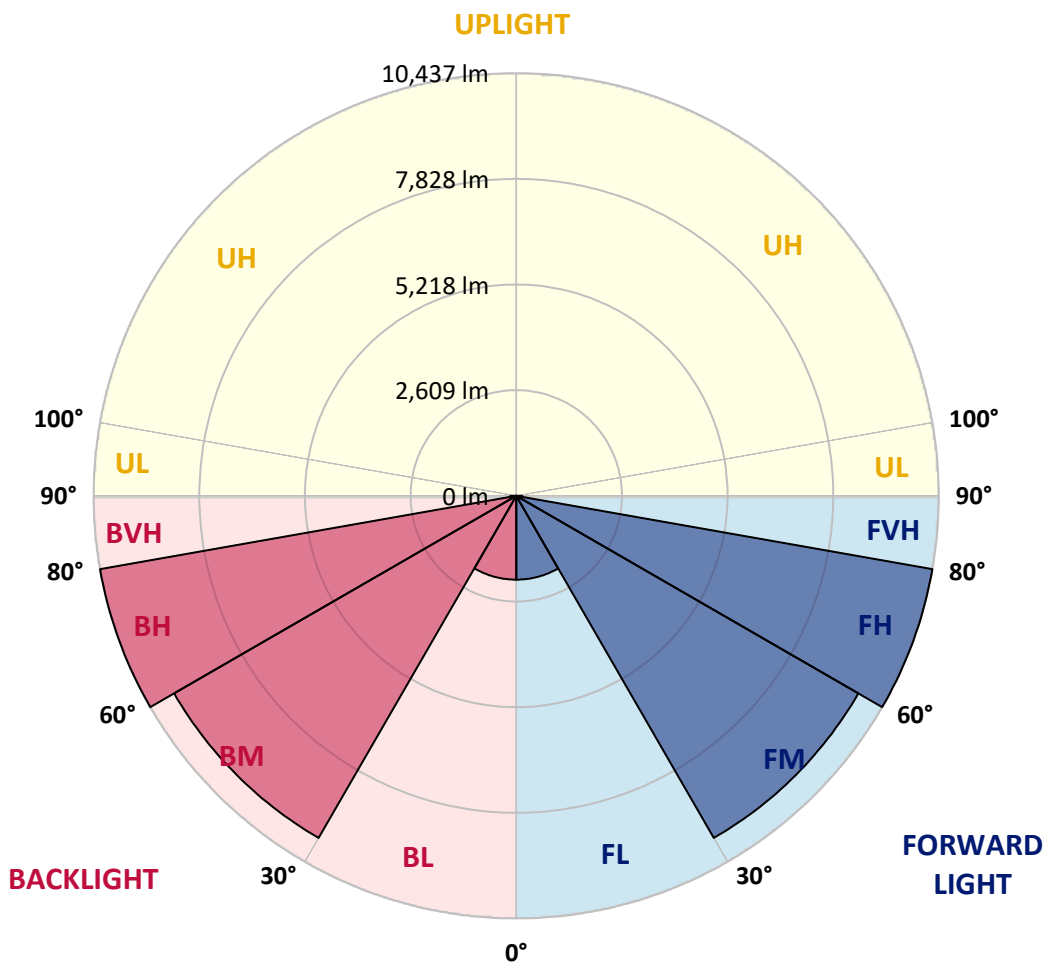
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2070.7	4.6			
FM (30°-60°)	9756.7	21.8			
FH (60°-80°)	10437.0	23.3			G4/12000
FVH (80°-90°)	144.9	0.3			G2/225
BL (0°-30°)	2070.7	4.6	B3/2500		
BM (30°-60°)	9756.7	21.8	B5		
BH (60°-80°)	10437.0	23.3	B5		G4/12000
BVH (80°-90°)	144.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4894.9	4894.9	4894.9	4894.9	4894.9	4894.9	4894.9	4894.9	4894.9	4894.9	4894.9
2.5°	4887.5	4883.0	4893.4	4891.9	4883.0	4884.5	4884.5	4888.9	4888.9	4886.0	4886.0
5°	4869.7	4866.7	4878.6	4878.6	4869.7	4872.6	4875.6	4880.1	4878.6	4875.6	4874.1
7.5°	4847.4	4845.9	4857.8	4857.8	4851.9	4854.9	4851.9	4853.4	4850.4	4847.4	4842.9
10°	4810.3	4813.3	4823.6	4826.6	4826.6	4828.1	4825.1	4817.8	4813.3	4808.8	4804.4
12.5°	4776.2	4774.7	4789.6	4797.0	4808.8	4822.2	4813.3	4792.5	4783.7	4774.7	4771.8
15°	4754.0	4755.5	4770.3	4783.7	4804.4	4832.6	4822.2	4789.6	4771.8	4761.4	4758.4
17.5°	4749.5	4752.5	4771.8	4795.5	4817.8	4848.9	4842.9	4810.3	4780.7	4761.4	4756.9
20°	4759.9	4761.4	4791.0	4825.1	4863.7	4893.4	4880.1	4844.4	4804.4	4774.7	4767.3
22.5°	4779.2	4785.1	4822.2	4875.6	4935.0	4975.0	4958.6	4897.9	4835.6	4798.5	4788.1
25°	4840.0	4841.5	4891.9	4964.6	5035.8	5081.8	5062.5	4976.5	4896.4	4854.9	4841.5
27.5°	4966.1	4970.6	5020.9	5105.5	5166.4	5196.0	5184.2	5114.4	5046.2	5001.7	5006.1
30°	5148.6	5154.4	5210.8	5304.3	5341.4	5348.8	5345.8	5313.2	5250.9	5191.5	5196.0
32.5°	5371.0	5374.0	5449.6	5534.2	5563.9	5569.8	5563.9	5534.2	5460.0	5380.0	5384.3
35°	5657.3	5666.2	5738.9	5820.5	5844.2	5856.1	5845.6	5807.1	5729.9	5651.4	5648.4
37.5°	6010.3	6011.8	6087.5	6172.0	6201.7	6204.7	6192.7	6167.6	6071.2	5999.9	5995.5
40°	6419.8	6425.6	6514.7	6605.1	6617.0	6603.6	6619.9	6605.1	6505.7	6424.1	6437.6
42.5°	6918.1	6931.5	7038.2	7127.3	7093.2	7085.7	7096.1	7100.5	7020.4	6921.1	6912.2
45°	7498.1	7510.0	7643.4	7714.6	7692.4	7643.4	7664.2	7699.8	7588.6	7465.4	7477.3
47.5°	8159.6	8189.3	8331.7	8398.5	8343.6	8276.8	8316.9	8370.2	8239.7	8087.0	8079.5
50°	8895.3	8932.4	9122.3	9215.7	9160.8	9037.8	9104.5	9140.1	8951.7	8754.4	8738.1
52.5°	9680.0	9717.1	9955.9	10148.7	10113.2	9921.8	10015.3	9978.2	9761.6	9496.1	9475.3
55°	10568.5	10583.3	10841.4	11153.0	11188.5	11047.6	11041.7	10980.9	10660.4	10353.4	10338.6
57.5°	11482.3	11492.6	11826.4	12194.2	12361.8	12361.8	12195.7	12066.6	11640.9	11285.0	11247.9
60°	12468.6	12505.7	12875.0	13374.9	13766.5	13882.2	13588.5	13237.0	12774.2	12339.6	12296.5
62.5°	13346.7	13389.8	13954.9	14699.5	15328.4	15749.7	15031.7	14459.2	13616.7	12919.5	12837.9
65°	13458.0	13573.7	14396.9	15745.2	17152.9	17994.0	16617.4	15206.8	13671.6	12703.0	12620.0
67.5°	12290.7	12486.5	13598.9	15697.8	18606.5	20411.7	17630.5	14779.6	12686.7	11615.7	11523.8
70°	9444.2	9729.0	11012.0	13730.9	18355.9	21190.5	16995.6	12938.8	10577.4	9424.9	9295.8
72.5°	5181.2	5298.4	6452.4	9402.7	14715.8	18007.3	14175.9	9567.3	7014.6	5707.8	5491.2
75°	1643.5	1685.0	2272.4	3847.7	8324.3	11927.3	9005.1	4696.1	2585.4	1906.0	1883.8
77.5°	729.8	734.2	821.7	1122.9	2867.2	6042.9	3444.2	1278.6	881.1	769.8	795.1
80°	461.3	461.3	508.8	556.2	780.2	1754.8	931.5	608.1	519.2	482.1	492.4
82.5°	221.1	244.7	330.8	356.0	428.7	590.3	477.6	397.5	347.1	258.1	240.3
85°	145.3	121.7	209.1	235.9	249.2	283.3	277.4	262.5	226.9	129.0	143.9
87.5°	65.3	62.3	108.2	99.4	93.4	71.2	106.8	132.0	127.5	63.8	63.8
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)