

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: P383412

Luminaire Tested: **GLEON-SA7B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383412
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-SA7B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39660.7 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

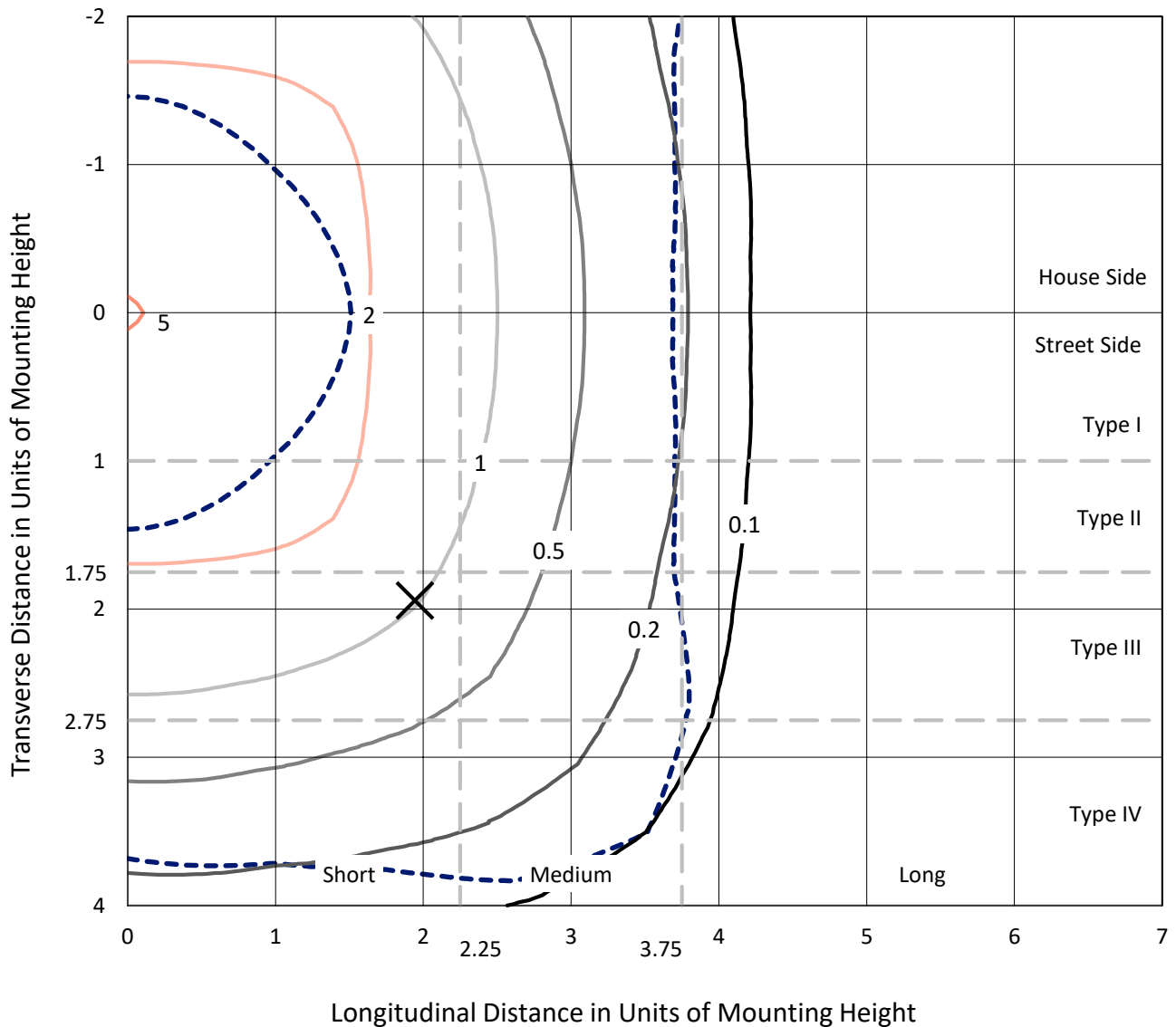
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

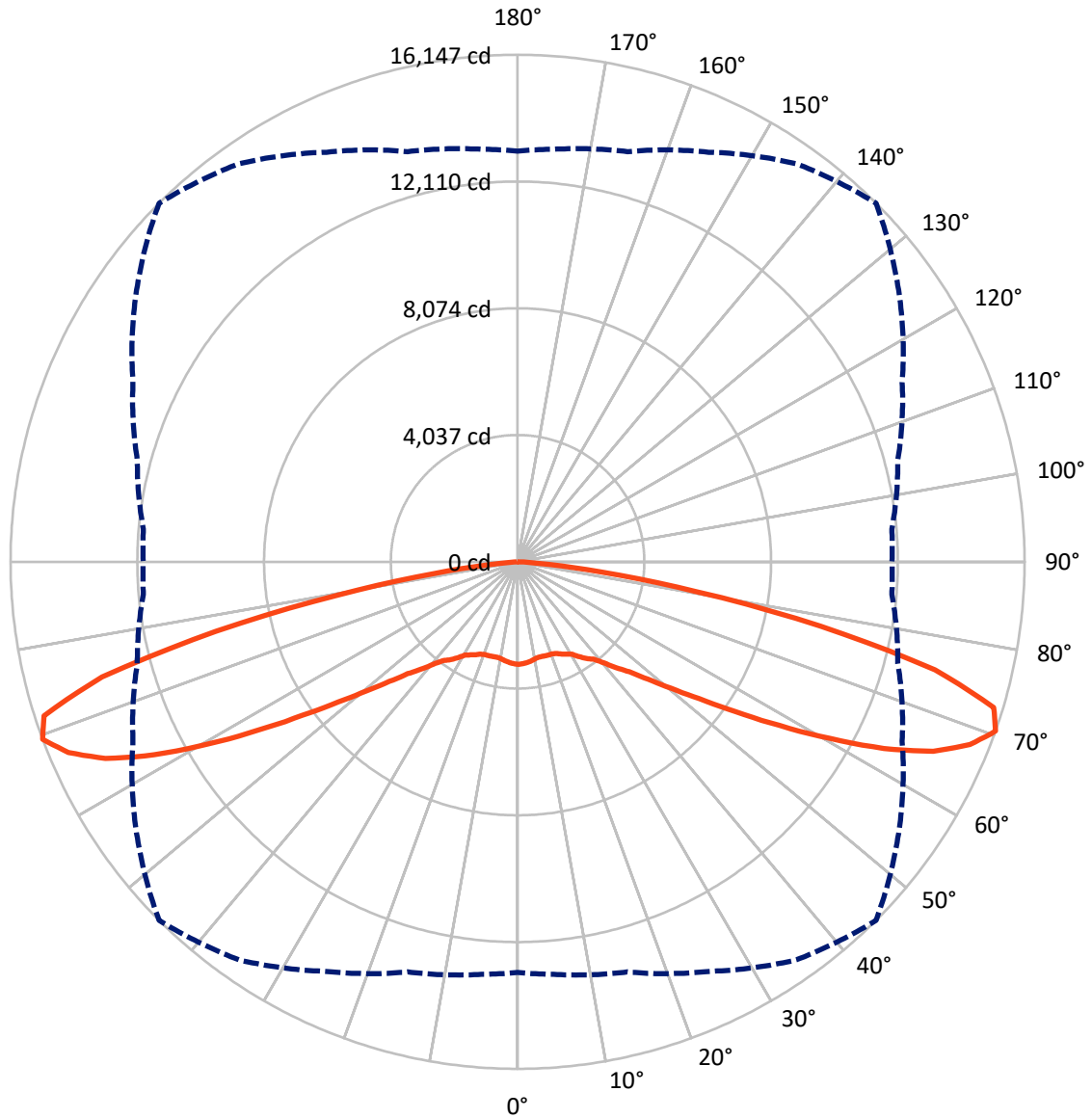
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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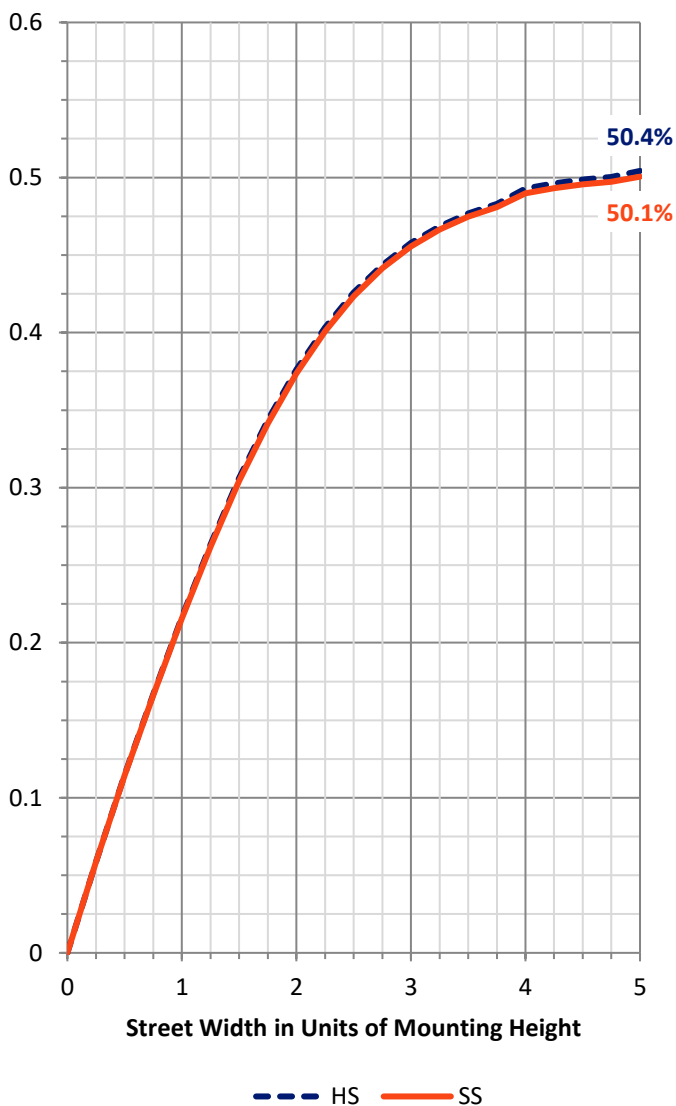
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19830.3	0.0	19830.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19830.3	0.0	19830.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	39660.7	0.0	39660.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.7	0.8
10°-20°	889.9	2.2
20°-30°	1517.2	3.8
30°-40°	2370.7	6.0
40°-50°	4017.8	10.1
50°-60°	7326.8	18.5
60°-70°	12613.5	31.8
70°-80°	9887.0	24.9
80°-90°	733.1	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°	39660.7	100.0
0°-180°	39660.7	100.0

Coefficient of Utilization



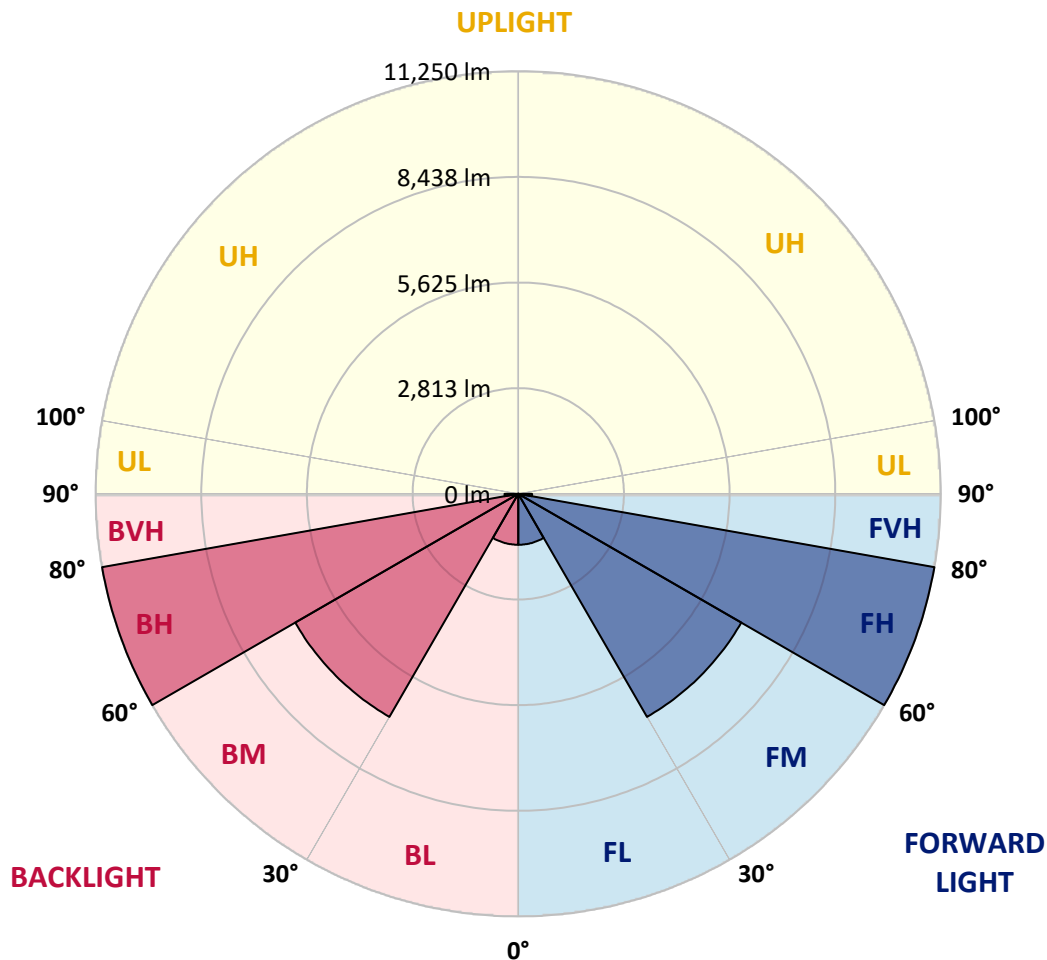
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.9	3.4			
FM (30°-60°)	6857.6	17.3			
FH (60°-80°)	11250.3	28.4			G4/12000
FVH (80°-90°)	366.6	0.9			G3/500
BL (0°-30°)	1355.9	3.4	B3/2500		
BM (30°-60°)	6857.6	17.3	B4/8500		
BH (60°-80°)	11250.3	28.4	B5		G4/12000
BVH (80°-90°)	366.6	0.9			G3/500
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°	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0	3264.0
2.5°	3249.6	3253.6	3249.6	3252.3	3245.7	3248.3	3248.3	3248.3	3247.0	3248.3	3245.7
5°	3220.8	3223.4	3218.1	3220.8	3216.8	3220.8	3222.1	3220.8	3218.1	3219.4	3214.2
7.5°	3177.5	3180.1	3176.2	3180.1	3174.9	3181.4	3180.1	3176.2	3172.2	3172.2	3167.0
10°	3153.8	3155.2	3144.7	3140.7	3129.0	3131.6	3135.5	3139.4	3143.4	3151.2	3149.9
12.5°	3155.2	3155.2	3139.4	3122.4	3105.3	3109.2	3115.8	3130.3	3146.0	3160.5	3161.8
15°	3168.3	3167.0	3143.4	3115.8	3104.0	3115.8	3119.8	3129.0	3153.8	3178.8	3180.1
17.5°	3177.5	3177.5	3140.7	3109.2	3107.9	3126.4	3125.0	3129.0	3156.5	3193.3	3194.6
20°	3194.6	3194.6	3147.3	3113.2	3113.2	3132.9	3134.2	3140.7	3168.3	3209.0	3215.5
22.5°	3232.6	3233.9	3184.0	3156.5	3159.2	3170.9	3174.9	3185.3	3210.3	3254.9	3262.7
25°	3286.4	3289.0	3237.9	3222.1	3231.3	3253.6	3250.9	3258.8	3286.4	3329.6	3337.5
27.5°	3361.1	3354.6	3307.4	3300.8	3310.0	3325.7	3324.4	3325.7	3348.1	3387.4	3396.6
30°	3458.3	3455.6	3421.5	3425.5	3421.5	3416.3	3417.6	3428.1	3439.8	3471.3	3480.5
32.5°	3552.7	3555.3	3534.3	3554.0	3582.9	3602.6	3572.4	3543.5	3530.4	3547.4	3555.3
35°	3723.2	3729.8	3697.0	3683.9	3723.2	3781.0	3695.7	3648.5	3674.7	3697.0	3703.6
37.5°	4013.2	4017.1	3962.1	3909.5	3880.6	3935.8	3850.6	3854.5	3946.3	3988.2	3986.9
40°	4343.8	4345.1	4308.4	4262.5	4212.6	4225.7	4191.6	4202.1	4262.5	4300.5	4311.0
42.5°	4737.4	4733.5	4675.7	4610.1	4595.7	4608.8	4551.1	4543.3	4612.7	4680.9	4682.2
45°	5247.7	5238.6	5163.8	5091.6	5022.1	4993.2	4978.7	5016.8	5112.6	5175.6	5176.9
47.5°	5797.4	5772.5	5733.1	5675.4	5615.1	5586.2	5562.6	5580.9	5650.5	5675.4	5678.1
50°	6362.8	6368.1	6376.0	6353.6	6331.4	6322.1	6260.6	6225.1	6246.1	6200.2	6193.6
52.5°	7033.3	7043.7	7119.8	7184.1	7222.2	7241.9	7125.0	7003.1	6934.8	6845.7	6819.4
55°	7824.3	7841.4	7952.9	8131.3	8315.0	8412.1	8200.9	7972.6	7761.4	7594.7	7541.0
57.5°	8706.0	8736.1	8889.7	9232.0	9608.5	9838.2	9481.3	9066.8	8658.7	8418.7	8376.7
60°	9739.8	9768.6	9981.2	10471.8	11081.9	11426.9	10886.3	10208.1	9700.4	9470.8	9393.4
62.5°	10970.4	10973.0	11234.0	11807.4	12612.9	13093.0	12361.0	11454.4	10931.0	10654.2	10579.4
65°	12294.1	12300.6	12570.9	13190.2	14023.2	14545.4	13718.8	12774.2	12134.1	11726.0	11668.3
67.5°	13229.5	13257.0	13541.7	14286.9	15066.2	15537.2	14681.7	13613.9	12874.0	12387.3	12338.7
70°	13080.0	13187.5	13522.1	14391.9	15475.5	16147.2	14837.9	13514.1	12538.1	11963.5	11922.8
72.5°	11407.2	11613.1	12059.3	13200.6	14933.6	15858.6	13986.4	12103.9	10999.2	10509.8	10436.4
75°	7767.9	8102.5	8775.5	10422.0	12758.5	13730.6	11774.6	9650.6	8611.5	7934.5	7884.7
77.5°	3463.5	3539.6	4392.3	6288.0	8804.3	9860.4	8555.1	6313.0	4738.7	3779.7	3577.6
80°	965.5	977.4	1304.1	2341.8	4406.8	5793.5	4730.8	2459.8	1382.8	974.8	918.3
82.5°	306.9	333.2	406.7	607.5	1481.2	2643.5	1520.6	656.0	467.1	372.6	335.8
85°	149.5	148.2	206.0	246.7	377.8	585.1	402.8	304.3	266.3	177.1	160.0
87.5°	63.0	64.3	95.8	86.5	110.2	94.5	129.9	136.5	143.0	78.7	68.2
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)