

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: P383214

Luminaire Tested: **GLEON-SA5C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383214
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-SA5C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34594.9 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

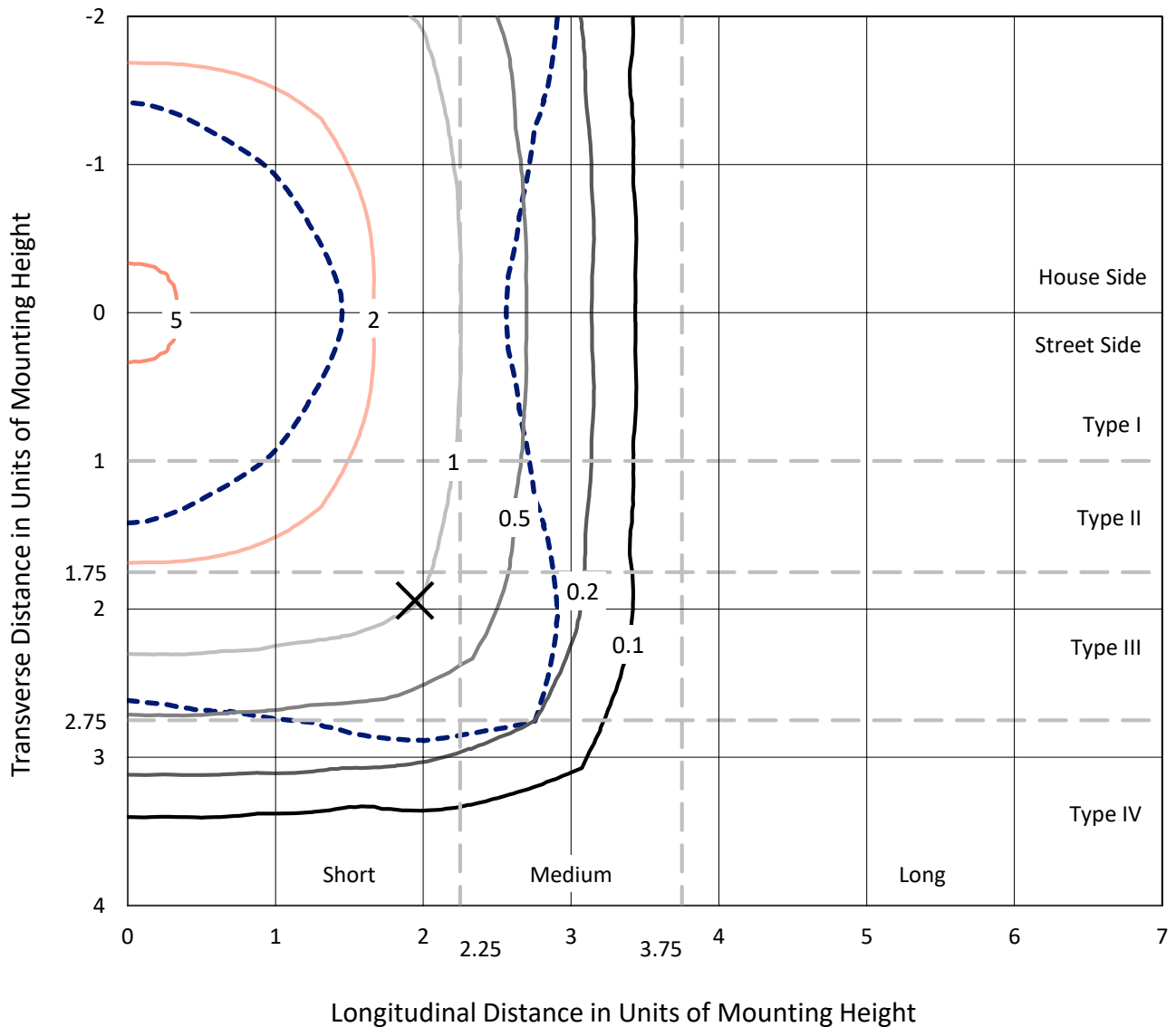
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

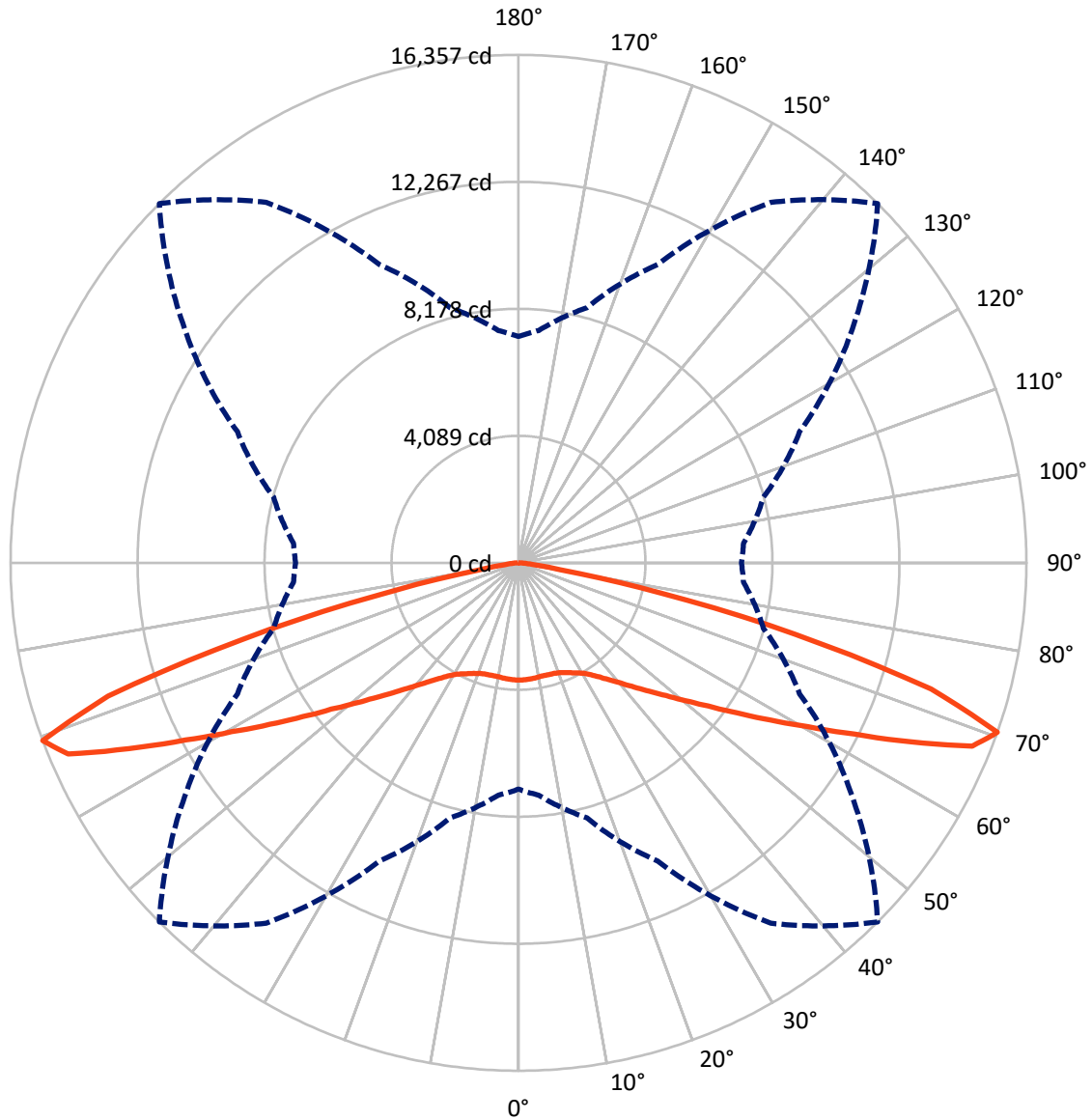
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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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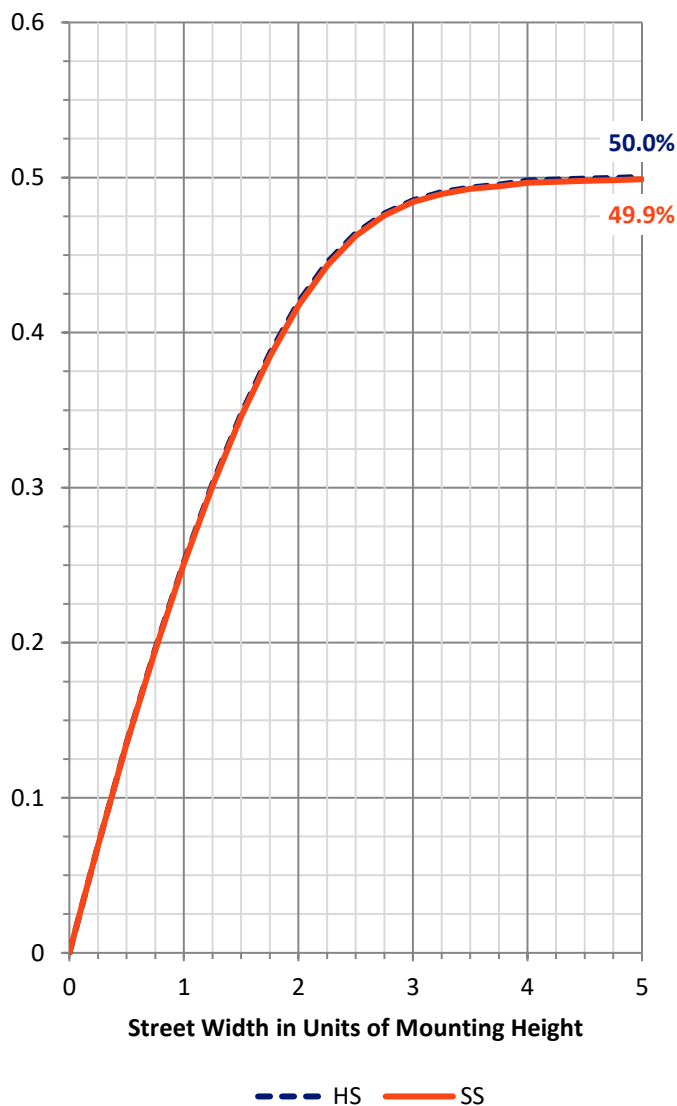
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17297.4	0.0	17297.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17297.4	0.0	17297.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	34594.9	0.0	34594.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.8	1.0
10°-20°	1050.5	3.0
20°-30°	1788.4	5.2
30°-40°	2836.3	8.2
40°-50°	4615.6	13.3
50°-60°	7610.2	22.0
60°-70°	11172.0	32.3
70°-80°	4940.2	14.3
80°-90°	223.7	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°	34594.9	100.0
0°-180°	34594.9	100.0

Coefficient of Utilization

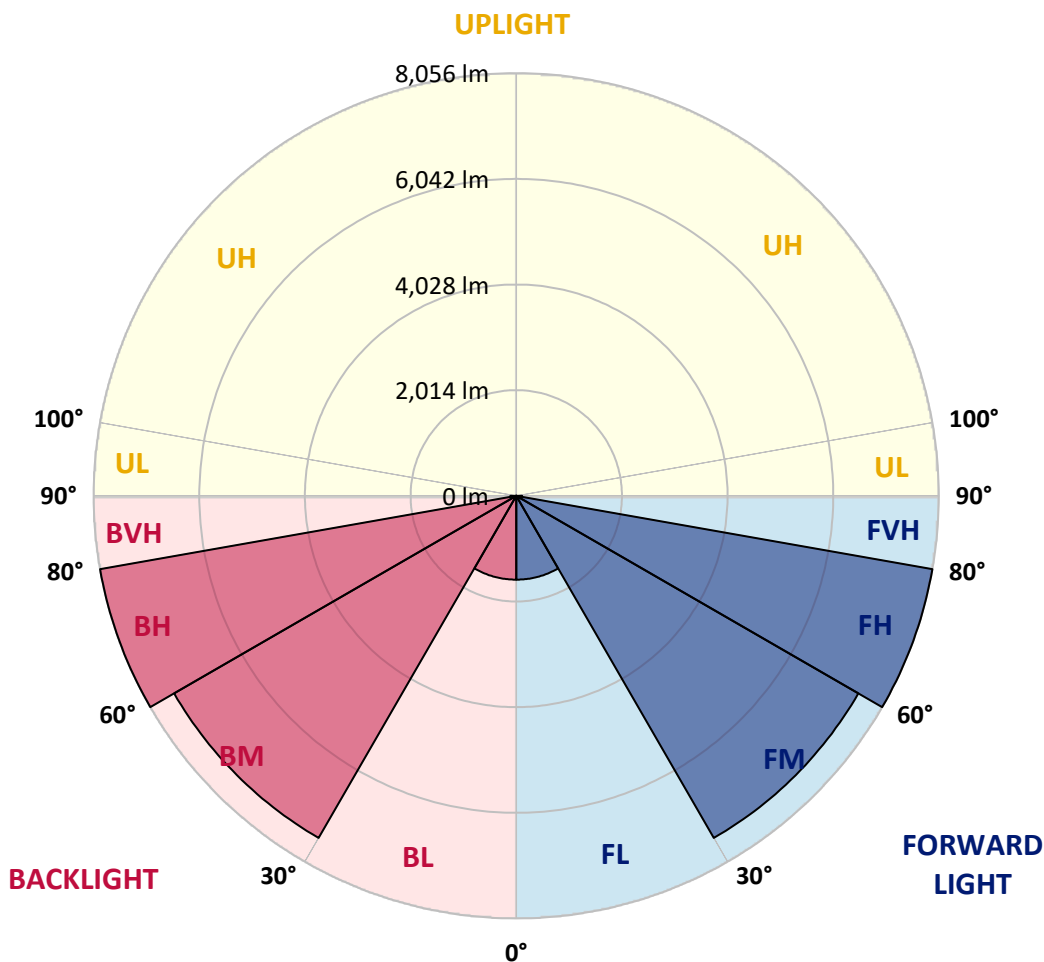


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1598.4	4.6			
FM (30°-60°)	7531.1	21.8			
FH (60°-80°)	8056.1	23.3			G4/12000
FVH (80°-90°)	111.9	0.3			G2/225
BL (0°-30°)	1598.4	4.6	B3/2500		
BM (30°-60°)	7531.1	21.8	B4/8500		
BH (60°-80°)	8056.1	23.3	B5		G4/12000
BVH (80°-90°)	111.9	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°	3778.3	3778.3	3778.3	3778.3	3778.3	3778.3	3778.3	3778.3	3778.3	3778.3	3778.3
2.5°	3772.6	3769.1	3777.1	3776.0	3769.1	3770.3	3770.3	3773.7	3773.7	3771.5	3771.5
5°	3758.8	3756.6	3765.7	3765.7	3758.8	3761.1	3763.5	3766.8	3765.7	3763.5	3762.2
7.5°	3741.7	3740.5	3749.7	3749.7	3745.1	3747.4	3745.1	3746.2	3744.0	3741.7	3738.2
10°	3713.1	3715.3	3723.3	3725.6	3725.6	3726.7	3724.5	3718.7	3715.3	3711.9	3708.5
12.5°	3686.7	3685.6	3697.0	3702.7	3711.9	3722.2	3715.3	3699.3	3692.5	3685.6	3683.2
15°	3669.6	3670.7	3682.1	3692.5	3708.5	3730.2	3722.2	3697.0	3683.2	3675.2	3673.0
17.5°	3666.1	3668.3	3683.2	3701.6	3718.7	3742.8	3738.2	3713.1	3690.1	3675.2	3671.8
20°	3674.1	3675.2	3698.2	3724.5	3754.2	3777.1	3766.8	3739.3	3708.5	3685.6	3679.8
22.5°	3689.0	3693.6	3722.2	3763.5	3809.2	3840.1	3827.5	3780.6	3732.5	3703.8	3695.8
25°	3736.0	3737.1	3776.0	3832.1	3887.1	3922.6	3907.7	3841.2	3779.5	3747.4	3737.1
27.5°	3833.2	3836.7	3875.6	3940.9	3987.9	4010.7	4001.6	3947.7	3895.1	3860.7	3864.2
30°	3974.1	3978.6	4022.1	4094.3	4122.9	4128.6	4126.4	4101.1	4053.1	4007.3	4010.7
32.5°	4145.9	4148.1	4206.5	4271.8	4294.6	4299.3	4294.6	4271.8	4214.5	4152.7	4156.1
35°	4366.8	4373.7	4429.8	4492.8	4511.0	4520.2	4512.2	4482.4	4422.9	4362.3	4359.9
37.5°	4639.3	4640.4	4698.8	4764.1	4787.0	4789.3	4780.1	4760.7	4686.2	4631.3	4627.8
40°	4955.3	4959.8	5028.6	5098.5	5107.6	5097.2	5109.8	5098.5	5021.7	4958.7	4969.1
42.5°	5340.0	5350.3	5432.7	5501.4	5475.1	5469.4	5477.4	5480.9	5419.0	5342.3	5335.4
45°	5787.7	5796.8	5899.9	5954.8	5937.7	5899.9	5915.9	5943.4	5857.5	5762.5	5771.7
47.5°	6298.3	6321.2	6431.1	6482.6	6440.3	6388.7	6419.7	6460.9	6360.1	6242.2	6236.5
50°	6866.2	6894.8	7041.4	7113.5	7071.2	6976.1	7027.6	7055.1	6909.8	6757.4	6744.9
52.5°	7471.9	7500.5	7684.8	7833.7	7806.2	7658.5	7730.6	7702.0	7534.8	7329.9	7313.9
55°	8157.7	8169.1	8368.4	8608.8	8636.3	8527.5	8522.9	8476.0	8228.6	7991.7	7980.2
57.5°	8862.9	8871.0	9128.6	9412.5	9541.9	9541.9	9413.7	9314.1	8985.5	8710.7	8682.1
60°	9624.4	9653.0	9938.0	10323.9	10626.2	10715.5	10488.8	10217.4	9860.2	9524.8	9491.5
62.5°	10302.2	10335.3	10771.6	11346.3	11831.8	12157.0	11602.8	11160.9	10510.6	9972.4	9909.4
65°	10388.1	10477.3	11112.8	12153.5	13240.1	13889.3	12826.8	11737.9	10552.9	9805.3	9741.1
67.5°	9487.0	9638.1	10496.8	12116.9	14362.1	15755.5	13608.8	11408.2	9792.7	8966.1	8895.1
70°	7289.8	7509.7	8500.0	10598.7	14168.7	16356.6	13118.7	9987.3	8164.5	7274.9	7175.3
72.5°	3999.2	4089.7	4980.5	7257.8	11358.9	13899.5	10942.1	7384.8	5414.4	4405.8	4238.5
75°	1268.6	1300.6	1754.0	2970.0	6425.4	9206.5	6950.9	3624.8	1995.7	1471.3	1454.1
77.5°	563.3	566.8	634.3	866.7	2213.2	4664.4	2658.5	987.0	680.1	594.2	613.7
80°	356.0	356.0	392.7	429.4	602.2	1354.5	719.1	469.4	400.8	372.1	380.2
82.5°	170.6	188.9	255.3	274.8	330.9	455.7	368.7	306.9	267.9	199.3	185.5
85°	112.2	93.9	161.4	182.0	192.4	218.7	214.1	202.6	175.1	99.6	111.0
87.5°	50.4	48.1	83.6	76.7	72.1	55.0	82.4	101.9	98.5	49.3	49.3
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)