

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: P383524

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383524  
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-SA8B-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 44938.8 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

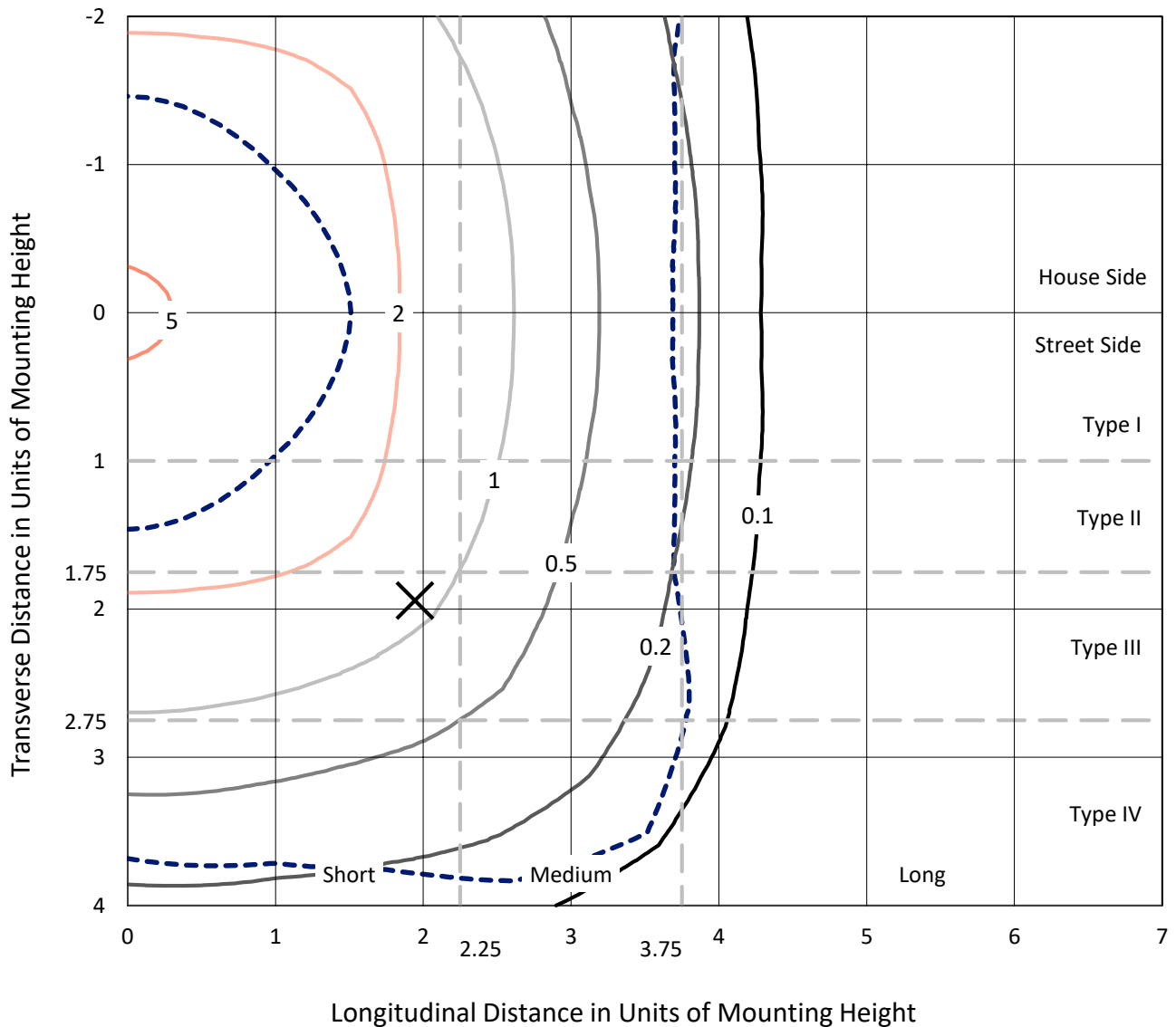
Input Watts (W): 334  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

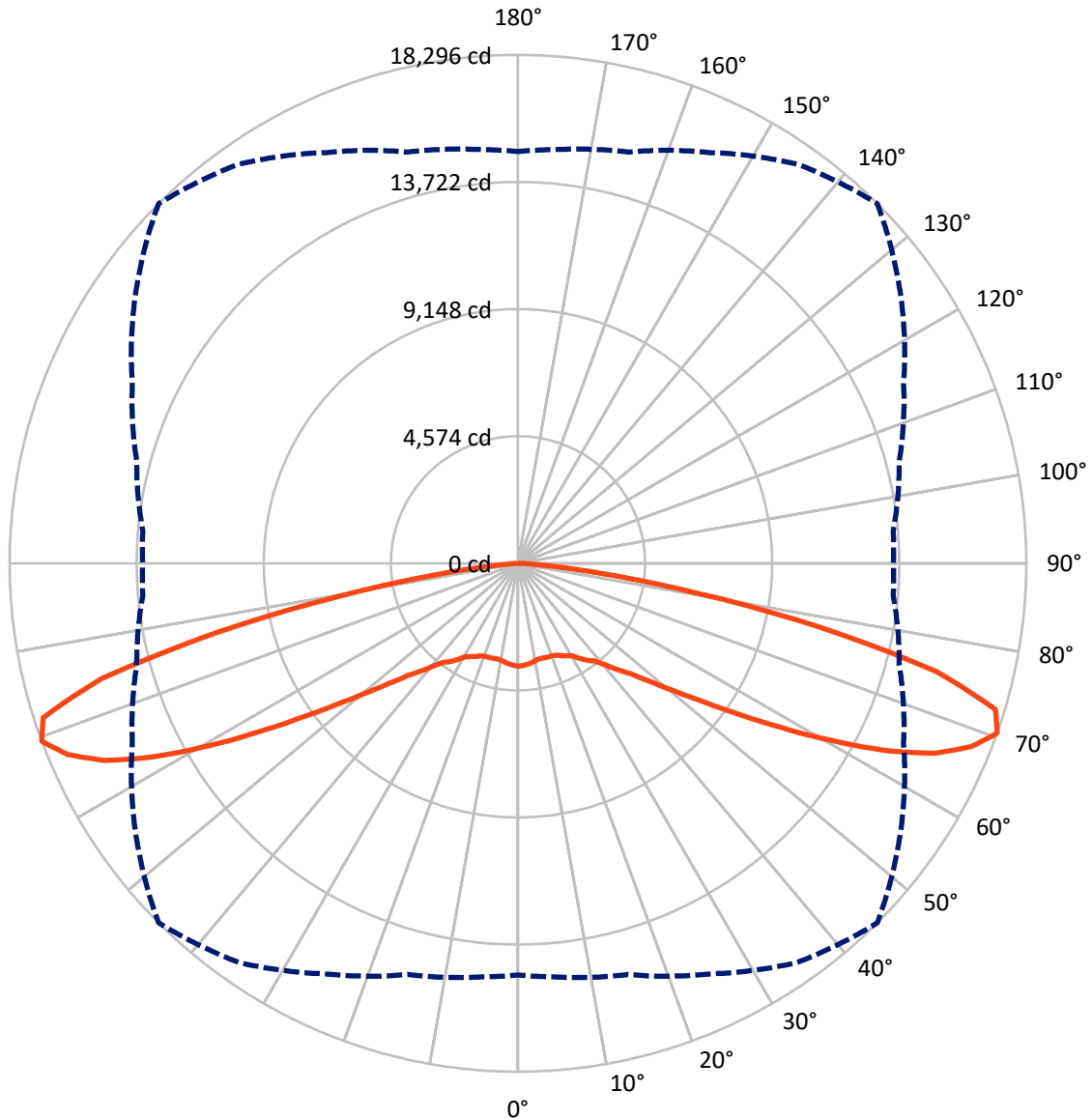
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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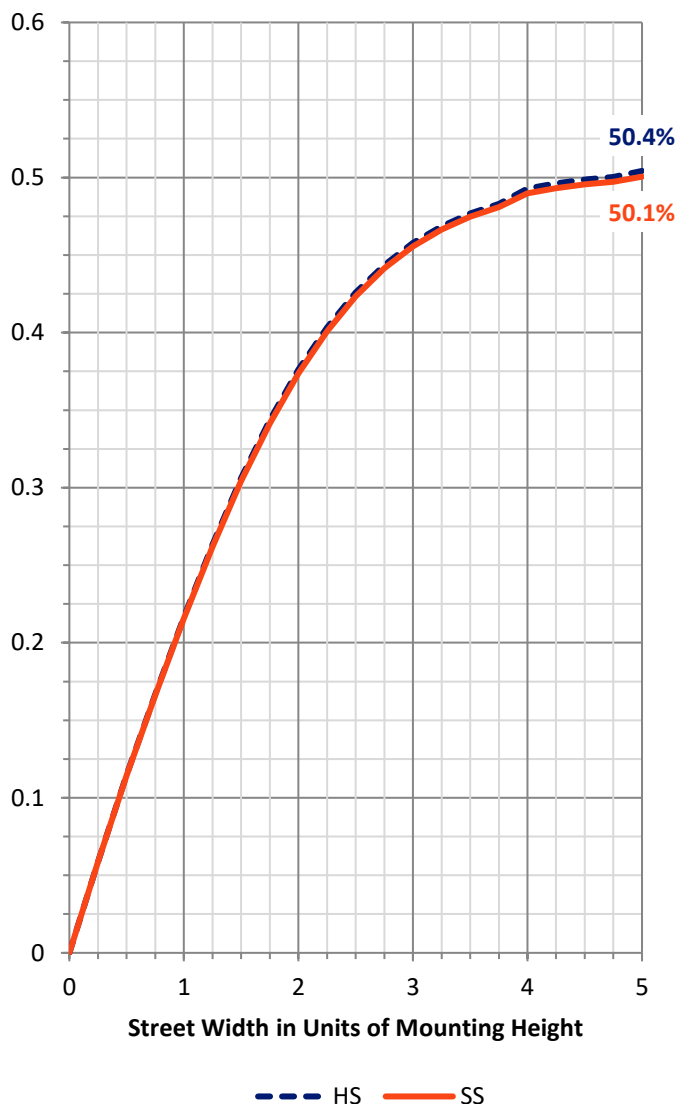
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22469.4	0.0	22469.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22469.4	0.0	22469.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44938.8	0.0	44938.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.2	0.8
10°-20°	1008.3	2.2
20°-30°	1719.1	3.8
30°-40°	2686.2	6.0
40°-50°	4552.5	10.1
50°-60°	8301.8	18.5
60°-70°	14292.2	31.8
70°-80°	11202.7	24.9
80°-90°	830.7	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°	44938.8	100.0
0°-180°	44938.8	100.0

**Coefficient of Utilization**



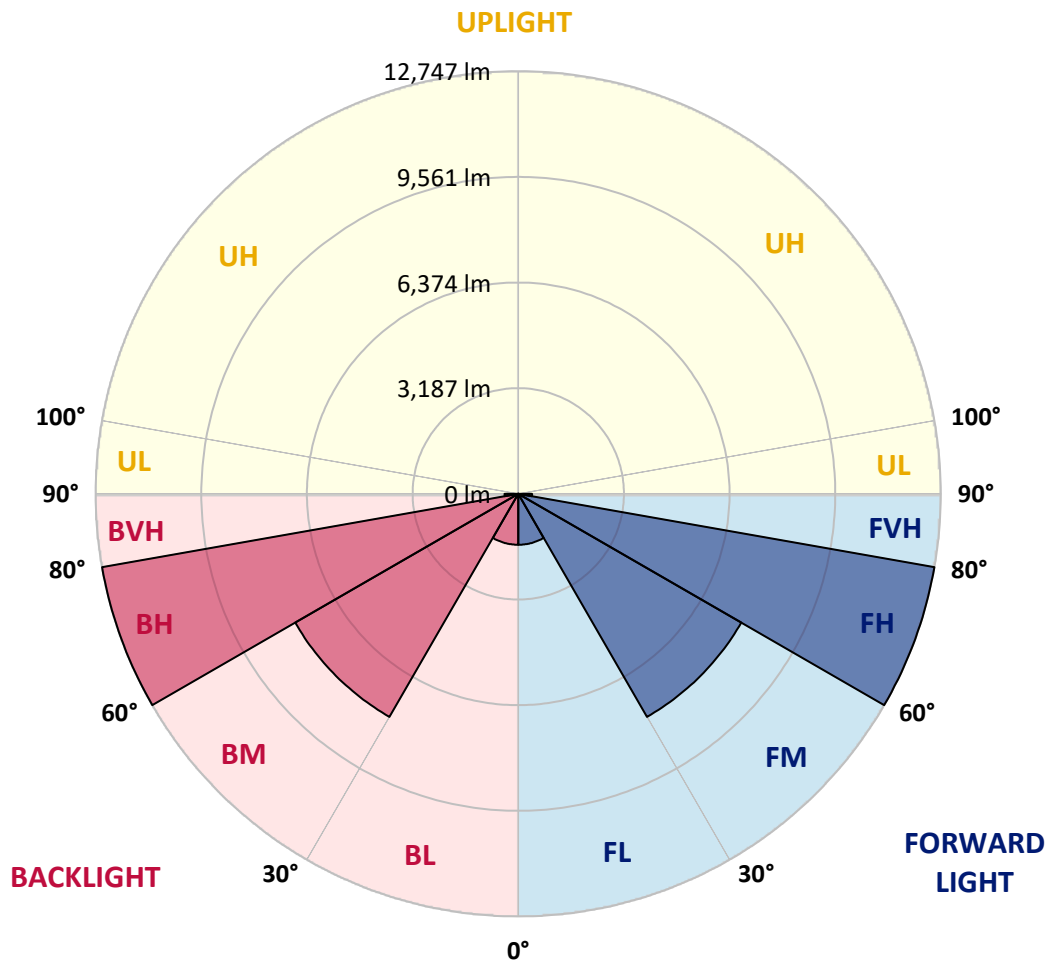
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 CATALOG NUMBER: GLEON-SA8B-735-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1536.3	3.4			
FM (30°-60°)	7770.3	17.3			
FH (60°-80°)	12747.5	28.4			G5
FVH (80°-90°)	415.3	0.9			G3/500
BL (0°-30°)	1536.3	3.4	B3/2500		
BM (30°-60°)	7770.3	17.3	B4/8500		
BH (60°-80°)	12747.5	28.4	B5		G5
BVH (80°-90°)	415.3	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-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3698.4	3698.4	3698.4	3698.4	3698.4	3698.4	3698.4	3698.4	3698.4	3698.4	3698.4
2.5°	3682.1	3686.6	3682.1	3685.1	3677.7	3680.6	3680.6	3680.6	3679.1	3680.6	3677.7
5°	3649.4	3652.4	3646.4	3649.4	3645.0	3649.4	3650.9	3649.4	3646.4	3647.9	3642.0
7.5°	3600.3	3603.3	3598.8	3603.3	3597.4	3604.8	3603.3	3598.8	3594.4	3594.4	3588.5
10°	3573.6	3575.1	3563.2	3558.7	3545.4	3548.4	3552.8	3557.2	3561.7	3570.6	3569.1
12.5°	3575.1	3575.1	3557.2	3537.9	3518.6	3523.0	3530.5	3546.9	3564.7	3581.1	3582.5
15°	3590.0	3588.5	3561.7	3530.5	3517.2	3530.5	3534.9	3545.4	3573.6	3601.8	3603.3
17.5°	3600.3	3600.3	3558.7	3523.0	3521.5	3542.4	3540.9	3545.4	3576.6	3618.2	3619.7
20°	3619.7	3619.7	3566.2	3527.5	3527.5	3549.8	3551.3	3558.7	3590.0	3636.0	3643.5
22.5°	3662.8	3664.2	3607.8	3576.6	3579.6	3592.9	3597.4	3609.3	3637.5	3688.1	3696.9
25°	3723.8	3726.7	3668.7	3650.9	3661.3	3686.6	3683.6	3692.6	3723.8	3772.8	3781.7
27.5°	3808.4	3801.0	3747.5	3740.1	3750.5	3768.3	3766.8	3768.3	3793.6	3838.2	3848.6
30°	3918.5	3915.5	3876.8	3881.3	3876.8	3870.9	3872.4	3884.3	3897.7	3933.4	3943.7
32.5°	4025.5	4028.5	4004.7	4027.0	4059.7	4081.9	4047.8	4015.1	4000.3	4019.5	4028.5
35°	4218.8	4226.2	4189.0	4174.2	4218.8	4284.2	4187.5	4134.0	4163.7	4189.0	4196.4
37.5°	4547.3	4551.7	4489.3	4429.9	4397.1	4459.6	4362.9	4367.4	4471.4	4519.0	4517.5
40°	4921.8	4923.3	4881.8	4829.7	4773.2	4788.1	4749.4	4761.3	4829.7	4872.8	4884.8
42.5°	5367.9	5363.4	5298.0	5223.7	5207.3	5222.2	5156.8	5147.8	5226.6	5304.0	5305.4
45°	5946.1	5935.7	5851.0	5769.2	5690.5	5657.7	5641.4	5684.5	5793.0	5864.4	5865.9
47.5°	6568.9	6540.7	6496.1	6430.7	6362.3	6329.6	6302.9	6323.6	6402.4	6430.7	6433.6
50°	7209.6	7215.6	7224.5	7199.2	7173.9	7163.5	7093.6	7053.6	7077.3	7025.3	7017.9
52.5°	7969.2	7981.1	8067.4	8140.2	8183.3	8205.6	8073.4	7935.0	7857.8	7756.7	7726.9
55°	8865.6	8884.9	9011.3	9213.5	9421.6	9531.6	9292.3	9033.6	8794.3	8605.5	8544.5
57.5°	9864.5	9898.7	10072.6	10460.6	10887.3	11147.5	10743.1	10273.4	9811.1	9539.0	9491.4
60°	11036.0	11068.6	11309.5	11865.4	12556.7	12947.6	12335.2	11566.7	10991.3	10731.2	10643.5
62.5°	12430.3	12433.3	12729.1	13378.7	14291.4	14835.5	14006.0	12978.8	12385.7	12072.0	11987.3
65°	13930.2	13937.6	14243.8	14945.5	15889.4	16481.0	15544.5	14474.3	13748.8	13286.6	13221.2
67.5°	14990.1	15021.3	15343.9	16188.2	17071.3	17604.9	16635.7	15425.7	14587.3	14035.7	13980.8
70°	14820.6	14942.5	15321.6	16307.1	17535.0	18296.2	16812.6	15312.7	14206.7	13555.6	13509.5
72.5°	12925.3	13158.7	13664.1	14957.4	16921.1	17969.1	15847.9	13714.6	12463.0	11908.5	11825.3
75°	8801.7	9180.8	9943.3	11808.9	14456.4	15558.0	13341.5	10934.9	9757.5	8990.5	8934.0
77.5°	3924.4	4010.6	4976.9	7124.9	9976.0	11172.7	9693.6	7153.2	5369.3	4282.7	4053.7
80°	1094.1	1107.4	1477.6	2653.4	4993.2	6564.5	5360.4	2787.2	1566.8	1104.4	1040.5
82.5°	347.8	377.6	460.8	688.2	1678.3	2995.3	1722.9	743.3	529.2	422.2	380.5
85°	169.4	168.0	233.4	279.5	428.1	663.0	456.4	344.9	301.7	200.7	181.4
87.5°	71.4	72.8	108.5	98.1	124.8	107.0	147.2	154.6	162.0	89.1	77.3
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)