

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: P383331

Luminaire Tested: **GLEON-SA6C-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6C-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40282.9 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

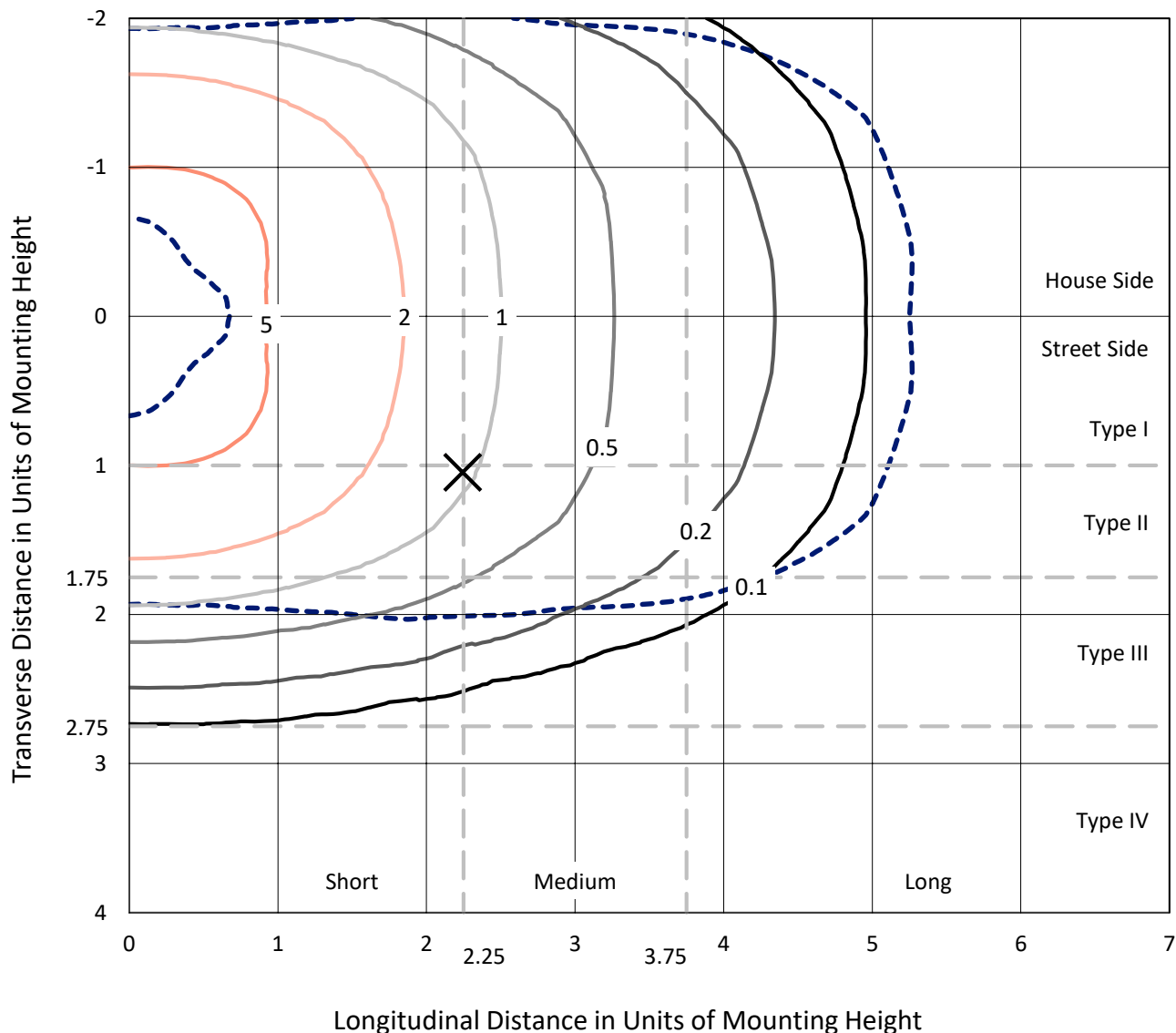
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

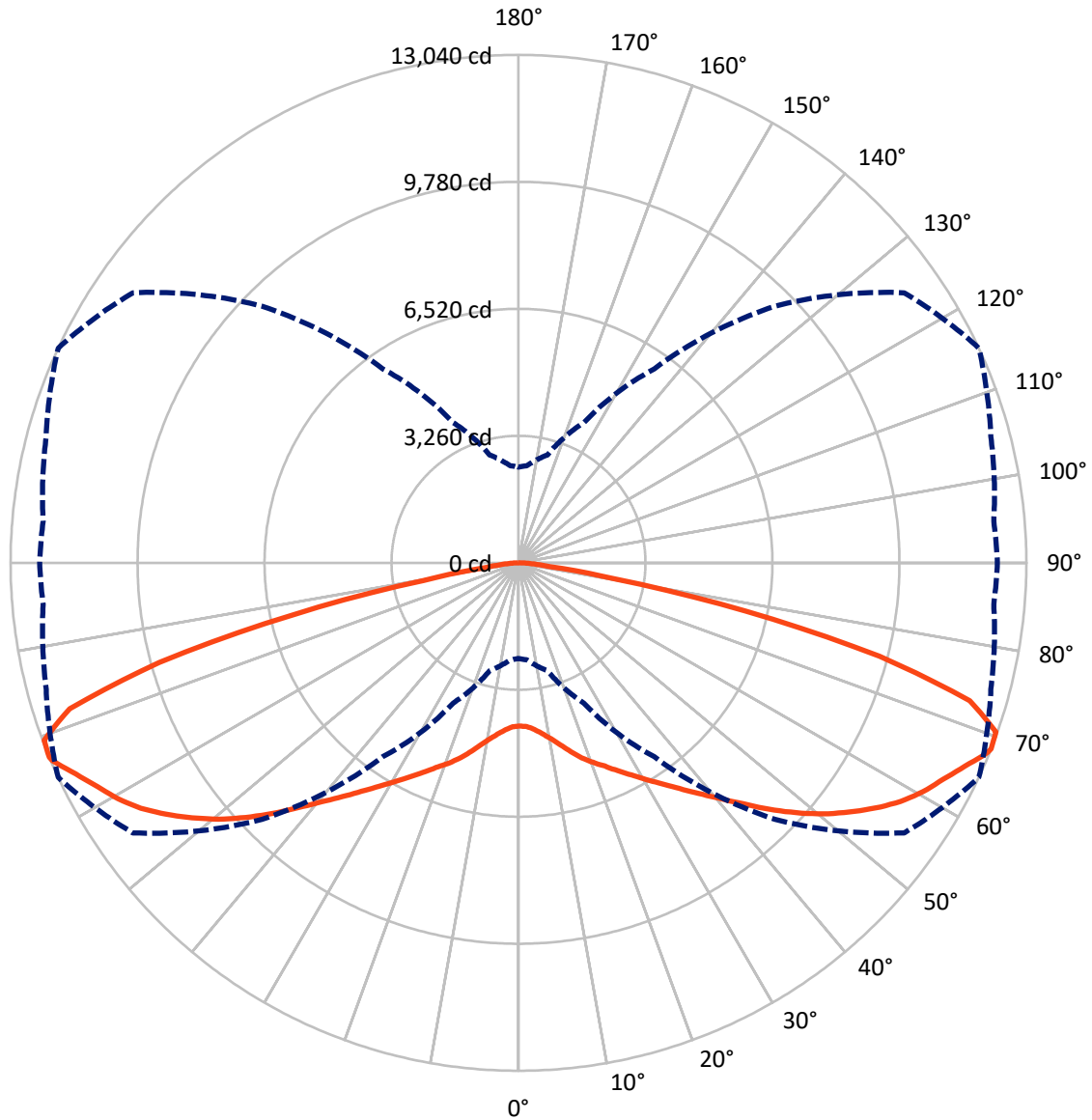
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20141.5	0.0	20141.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20141.5	0.0	20141.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40282.9	0.0	40282.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.1	1.0
10°-20°	1373.1	3.4
20°-30°	2677.2	6.6
30°-40°	4497.6	11.2
40°-50°	7086.6	17.6
50°-60°	9477.1	23.5
60°-70°	9212.9	22.9
70°-80°	5036.2	12.5
80°-90°	512.2	1.3
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°	40282.9	100.0
0°-180°	40282.9	100.0

**Coefficient of Utilization**



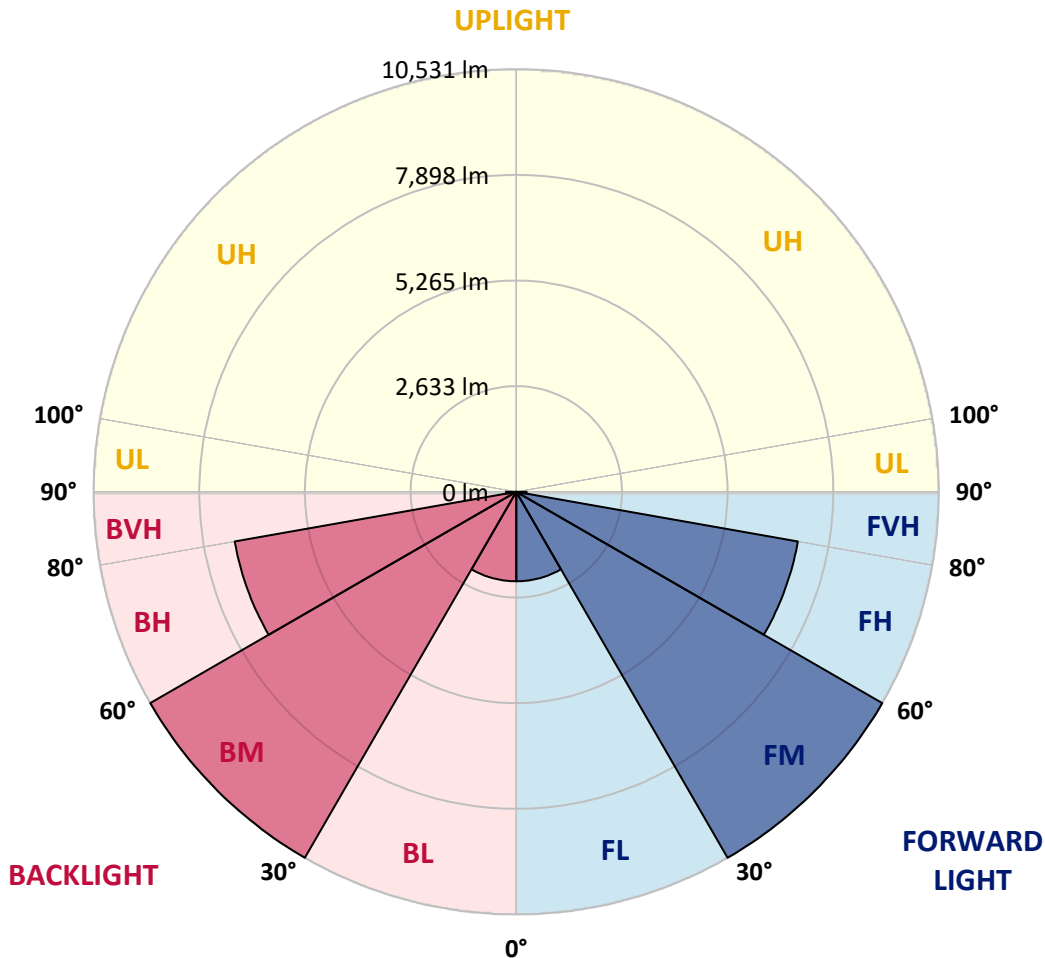
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2230.2	5.5			
FM (30°-60°)	10530.6	26.1			
FH (60°-80°)	7124.6	17.7			G3/7500
FVH (80°-90°)	256.1	0.6			G3/500
BL (0°-30°)	2230.2	5.5	B3/2500		
BM (30°-60°)	10530.6	26.1	B5		
BH (60°-80°)	7124.6	17.7	B5		G5
BVH (80°-90°)	256.1	0.6			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4188.5	4188.5	4188.5	4188.5	4188.5	4188.5	4188.5	4188.5	4188.5	4188.5	4188.5
2.5°	4158.8	4160.1	4166.9	4175.0	4181.7	4199.3	4203.3	4210.1	4212.8	4219.5	4219.5
5°	4122.3	4125.0	4141.2	4162.8	4187.1	4230.3	4261.5	4296.5	4314.1	4333.0	4331.6
7.5°	4118.3	4125.0	4148.0	4183.1	4223.6	4295.2	4360.0	4430.3	4477.5	4520.7	4518.0
10°	4160.1	4170.9	4203.3	4256.1	4316.8	4405.9	4501.8	4596.3	4678.8	4744.9	4747.6
12.5°	4223.6	4237.1	4288.4	4368.1	4460.0	4574.7	4688.2	4795.0	4908.4	5007.0	5015.1
15°	4307.3	4324.9	4401.8	4520.7	4661.2	4797.7	4919.2	5028.6	5159.7	5296.0	5309.5
17.5°	4431.6	4455.9	4557.2	4717.9	4903.0	5052.9	5179.9	5262.3	5371.7	5512.2	5537.8
20°	4620.7	4651.8	4780.1	4971.9	5197.5	5354.2	5451.3	5468.9	5523.0	5648.5	5678.2
22.5°	4866.5	4893.5	5036.7	5265.0	5517.6	5687.8	5739.1	5668.8	5663.4	5764.7	5793.1
25°	5140.7	5165.1	5331.2	5587.8	5859.2	6047.0	6045.7	5909.3	5814.7	5893.1	5922.8
27.5°	5448.6	5486.4	5645.8	5916.0	6206.4	6391.4	6380.6	6169.9	5990.3	6010.5	6036.2
30°	5802.5	5844.4	5999.7	6274.0	6564.3	6745.3	6731.8	6453.6	6183.4	6129.4	6148.3
32.5°	6241.6	6291.5	6438.7	6708.8	6965.5	7128.9	7089.7	6761.5	6415.8	6298.3	6315.8
35°	6769.6	6799.4	6954.7	7220.8	7428.8	7540.9	7458.5	7118.1	6710.2	6568.3	6568.3
37.5°	7304.5	7327.5	7501.7	7759.7	7960.9	8020.3	7859.7	7508.5	7095.1	6893.9	6897.9
40°	7817.7	7879.9	8075.8	8340.5	8539.0	8555.2	8341.8	7954.2	7523.3	7315.4	7339.7
42.5°	8354.0	8414.8	8648.4	8948.3	9123.9	9150.9	8901.0	8454.0	8006.8	7838.0	7865.1
45°	8832.1	8880.7	9150.9	9499.4	9718.2	9788.4	9492.7	9026.6	8529.6	8364.8	8371.5
47.5°	9165.8	9229.2	9526.4	9937.0	10255.8	10363.8	10073.4	9584.5	9044.2	8844.3	8861.8
50°	9468.3	9502.1	9803.2	10251.7	10656.9	10879.7	10631.3	10135.5	9564.2	9352.2	9371.1
52.5°	9637.1	9680.4	9972.1	10439.5	10918.9	11278.2	11127.0	10631.3	10066.7	9860.0	9883.0
55°	9519.7	9552.1	9901.9	10481.3	11081.0	11524.1	11547.0	11116.2	10559.7	10378.7	10443.5
57.5°	8984.8	9025.3	9452.1	10211.2	11101.3	11690.2	11863.1	11565.9	11020.2	10873.0	10910.8
60°	8148.7	8174.3	8629.5	9483.2	10706.9	11759.1	12064.3	11933.3	11471.4	11324.2	11375.5
62.5°	6658.9	6696.7	7241.0	8385.0	9873.5	11555.1	12258.8	12237.2	11891.4	11756.4	11802.2
65°	4551.8	4618.0	5220.4	6667.0	8589.0	10931.1	12435.8	12591.1	12262.9	12092.7	12153.4
67.5°	2748.6	2797.3	3233.5	4401.8	6572.4	9672.3	12253.4	12993.6	12524.9	12250.7	12300.7
68°	2456.9	2501.5	2866.2	3972.4	6079.5	9317.1	12087.3	13039.5	12553.3	12248.0	12292.6
70°	1484.4	1514.1	1758.6	2455.6	4053.4	7391.0	10954.1	13001.7	12734.3	12285.8	12311.5
72.5°	967.1	976.5	1017.1	1260.2	2070.6	4133.1	8221.7	12115.6	13005.7	12506.0	12501.9
75°	803.6	798.2	802.3	830.7	1021.2	1812.6	4804.4	9571.0	12398.0	12158.8	12073.8
77.5°	679.4	675.4	674.0	675.4	683.5	875.3	2085.5	5961.9	9487.3	10755.5	10831.1
80°	549.7	544.3	561.9	553.8	529.5	544.3	873.9	2479.9	4472.1	4811.2	4508.6
82.5°	399.8	379.5	455.2	433.5	413.3	383.6	482.2	800.9	1067.1	732.1	514.6
85°	308.0	286.4	345.8	332.3	283.7	195.8	286.4	391.7	432.2	247.1	194.5
87.5°	125.6	132.4	249.8	197.2	166.1	94.6	117.5	156.7	210.7	105.4	81.0
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)