

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: P316276

Luminaire Tested: **GLEON-SA2B-827-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316276  
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-SA2B-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 2700K, 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: 9054 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

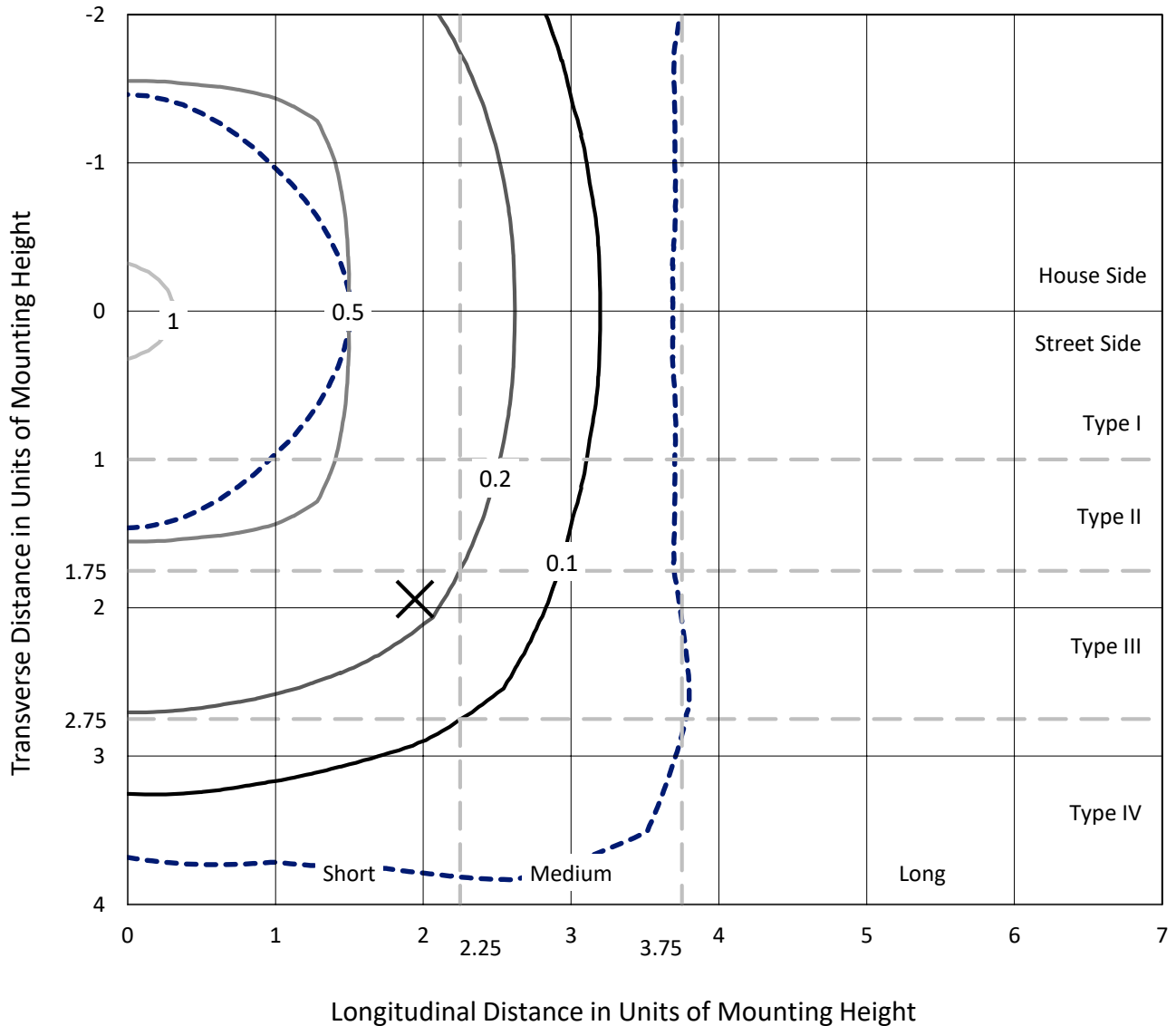
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

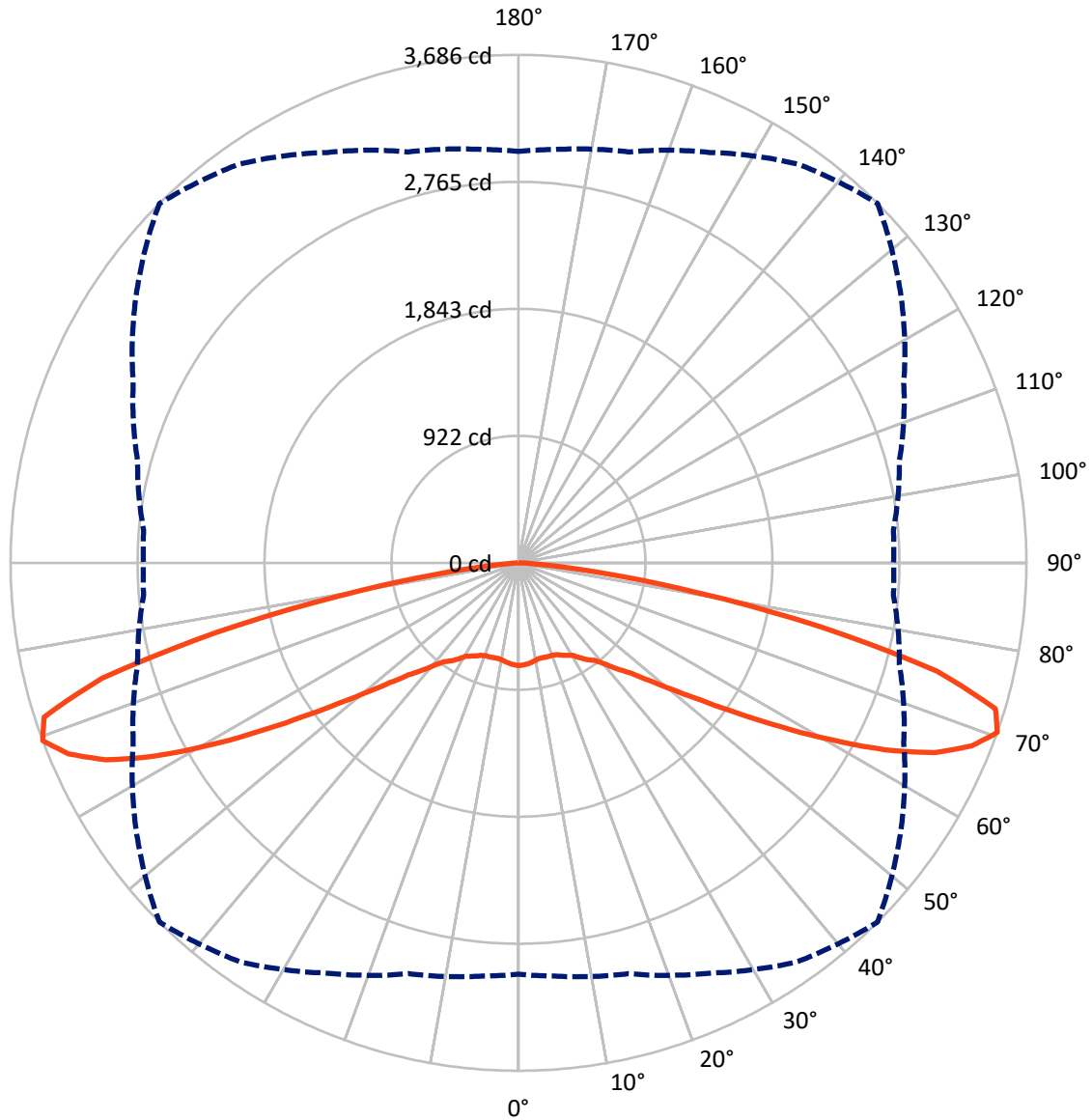
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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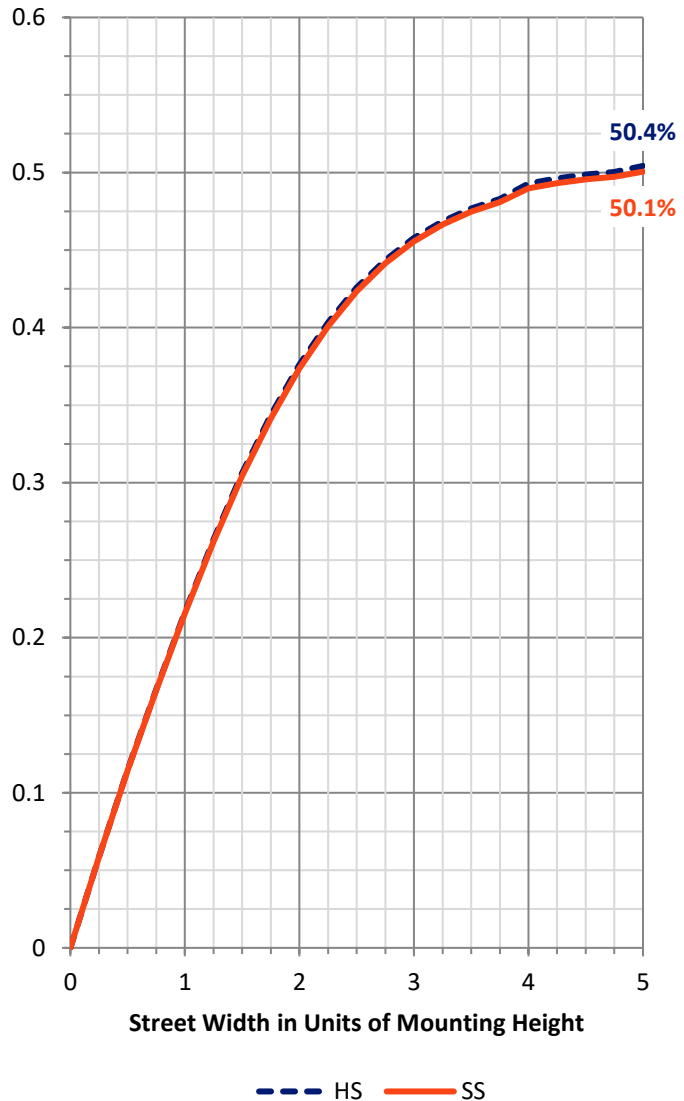
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4527.0	0.0	4527.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4527.0	0.0	4527.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9054.0	0.0	9054.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	0.8
10°-20°	203.2	2.2
20°-30°	346.4	3.8
30°-40°	541.2	6.0
40°-50°	917.2	10.1
50°-60°	1672.6	18.5
60°-70°	2879.5	31.8
70°-80°	2257.1	24.9
80°-90°	167.4	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°	9054.0	100.0
0°-180°	9054.0	100.0

**Coefficient of Utilization**

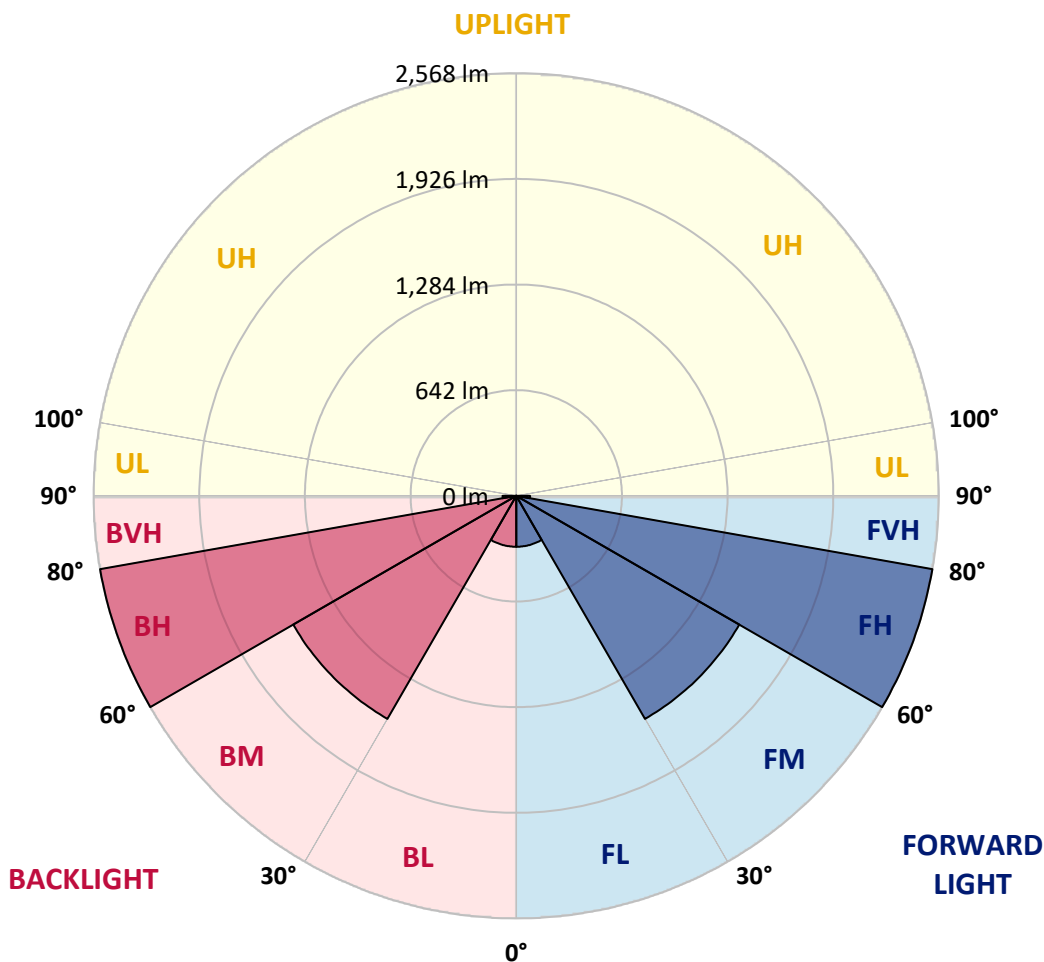


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.5	3.4			
FM (30°-60°)	1565.5	17.3			
FH (60°-80°)	2568.3	28.4			G2/5000
FVH (80°-90°)	83.7	0.9			G1/100
BL (0°-30°)	309.5	3.4	B1/500		
BM (30°-60°)	1565.5	17.3	B2/2500		
BH (60°-80°)	2568.3	28.4	B4/5000		G2/5000
BVH (80°-90°)	83.7	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	745.1	745.1	745.1	745.1	745.1	745.1	745.1	745.1	745.1	745.1	745.1
2.5°	741.9	742.7	741.9	742.4	741.0	741.6	741.6	741.6	741.3	741.6	741.0
5°	735.3	735.9	734.7	735.3	734.4	735.3	735.6	735.3	734.7	735.0	733.8
7.5°	725.4	726.0	725.1	726.0	724.8	726.3	726.0	725.1	724.2	724.2	723.0
10°	720.0	720.3	717.9	717.0	714.3	714.9	715.8	716.7	717.6	719.4	719.1
12.5°	720.3	720.3	716.7	712.8	708.9	709.8	711.3	714.6	718.2	721.5	721.8
15°	723.3	723.0	717.6	711.3	708.6	711.3	712.2	714.3	720.0	725.7	726.0
17.5°	725.4	725.4	717.0	709.8	709.5	713.7	713.4	714.3	720.6	729.0	729.3
20°	729.3	729.3	718.5	710.7	710.7	715.2	715.5	717.0	723.3	732.6	734.1
22.5°	738.0	738.3	726.9	720.6	721.2	723.9	724.8	727.2	732.9	743.0	744.8
25°	750.2	750.8	739.2	735.6	737.7	742.7	742.2	743.9	750.2	760.1	761.9
27.5°	767.3	765.8	755.0	753.5	755.6	759.2	758.9	759.2	764.3	773.3	775.4
30°	789.5	788.9	781.1	782.0	781.1	779.9	780.2	782.6	785.3	792.5	794.6
32.5°	811.0	811.6	806.8	811.3	817.9	822.4	815.5	808.9	805.9	809.8	811.6
35°	850.0	851.5	844.0	841.0	850.0	863.1	843.7	832.9	838.9	844.0	845.5
37.5°	916.2	917.1	904.5	892.5	885.9	898.5	879.0	879.9	900.9	910.5	910.2
40°	991.6	991.9	983.5	973.1	961.7	964.7	956.9	959.3	973.1	981.7	984.1
42.5°	1081.5	1080.6	1067.4	1052.4	1049.1	1052.1	1039.0	1037.2	1053.0	1068.6	1068.9
45°	1198.0	1195.9	1178.8	1162.3	1146.5	1139.9	1136.6	1145.3	1167.1	1181.5	1181.8
47.5°	1323.5	1317.8	1308.8	1295.6	1281.8	1275.3	1269.9	1274.1	1289.9	1295.6	1296.2
50°	1452.6	1453.8	1455.5	1450.5	1445.4	1443.3	1429.2	1421.1	1425.9	1415.4	1413.9
52.5°	1605.6	1608.0	1625.4	1640.0	1648.7	1653.2	1626.6	1598.7	1583.1	1562.8	1556.8
55°	1786.2	1790.1	1815.5	1856.3	1898.2	1920.4	1872.1	1820.0	1771.8	1733.8	1721.5
57.5°	1987.5	1994.3	2029.4	2107.6	2193.5	2245.9	2164.5	2069.8	1976.7	1921.9	1912.3
60°	2223.5	2230.0	2278.6	2390.6	2529.8	2608.6	2485.2	2330.4	2214.5	2162.1	2144.4
62.5°	2504.4	2505.0	2564.6	2695.5	2879.4	2989.0	2821.8	2614.9	2495.4	2432.2	2415.1
65°	2806.6	2808.1	2869.8	3011.1	3201.3	3320.5	3131.8	2916.2	2770.0	2676.9	2663.7
67.5°	3020.1	3026.4	3091.4	3261.5	3439.4	3546.9	3351.7	3107.9	2939.0	2827.8	2816.8
70°	2986.0	3010.5	3086.9	3285.5	3532.9	3686.2	3387.3	3085.1	2862.3	2731.1	2721.8
72.5°	2604.1	2651.1	2753.0	3013.5	3409.2	3620.3	3192.9	2763.1	2511.0	2399.3	2382.5
75°	1773.3	1849.7	2003.3	2379.2	2912.6	3134.5	2688.0	2203.1	1965.9	1811.4	1800.0
77.5°	790.7	808.0	1002.7	1435.5	2009.9	2251.0	1953.0	1441.2	1081.8	862.8	816.7
80°	220.4	223.1	297.7	534.6	1006.0	1322.6	1080.0	561.6	315.7	222.5	209.6
82.5°	70.1	76.1	92.8	138.7	338.1	603.5	347.1	149.7	106.6	85.1	76.7
85°	34.1	33.8	47.0	56.3	86.3	133.6	91.9	69.5	60.8	40.4	36.5
87.5°	14.4	14.7	21.9	19.8	25.2	21.6	29.7	31.1	32.6	18.0	15.6
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)