

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: P316265

Luminaire Tested: **GLEON-SA1A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316265
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-SA1A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3778 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

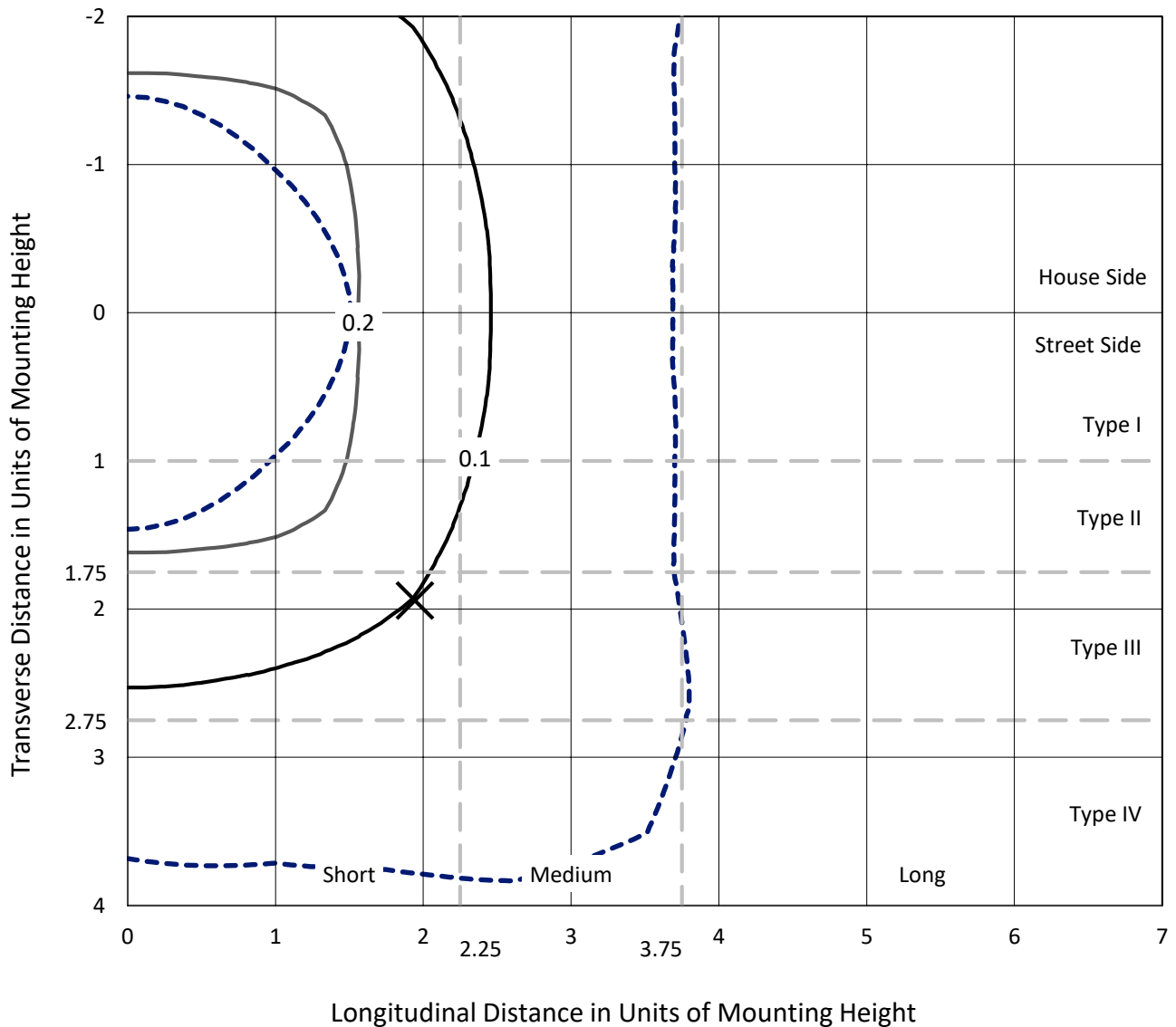
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GLEON-SA1A-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

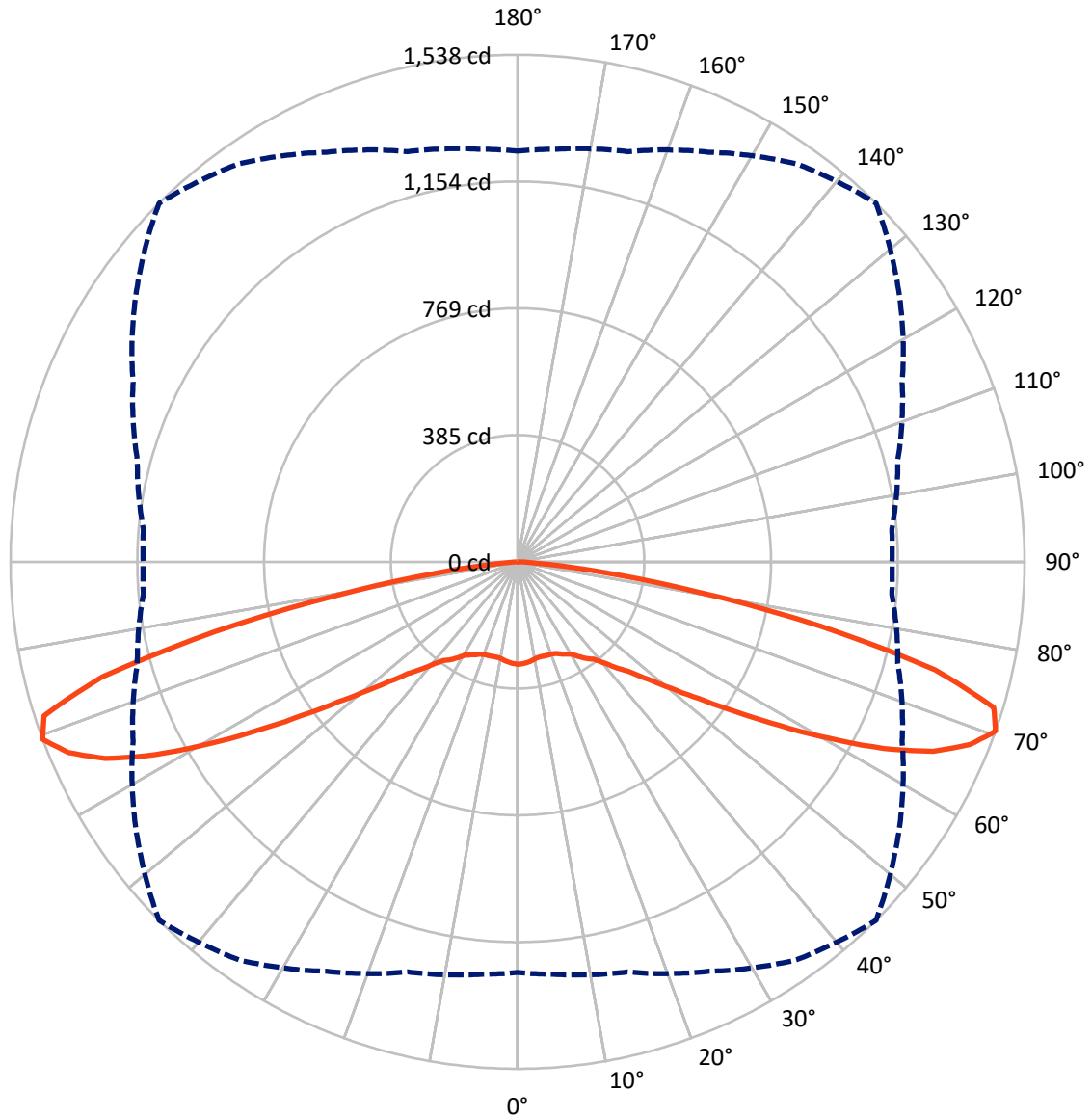
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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CATALOG NUMBER: GLEON-SA1A-827-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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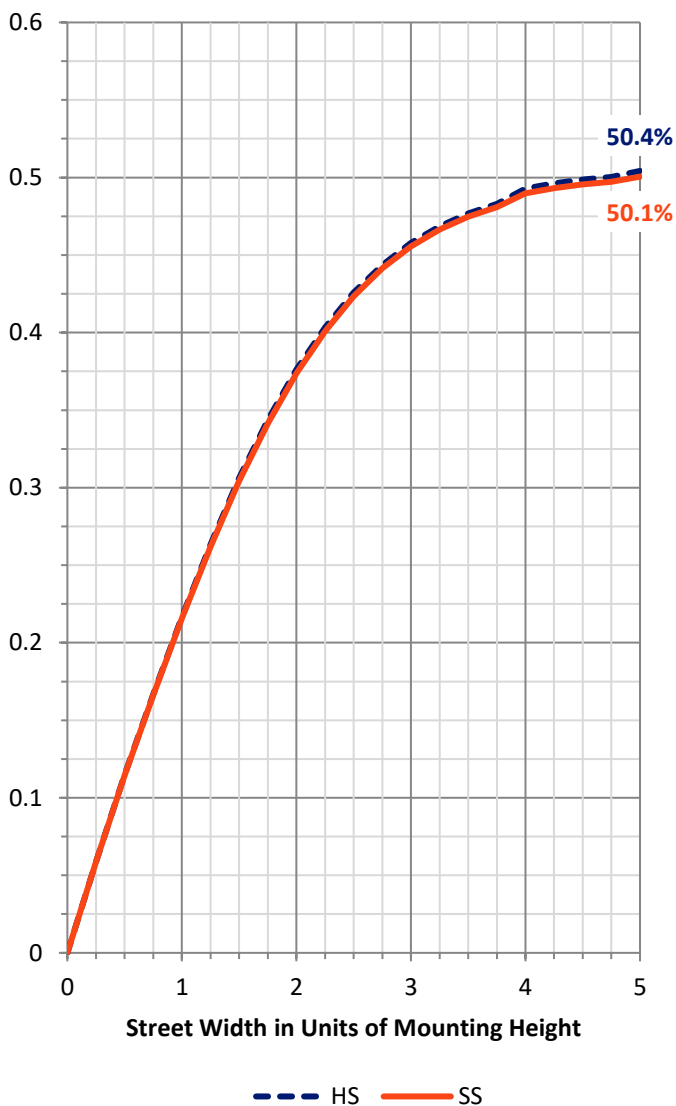
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1889.0	0.0	1889.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1889.0	0.0	1889.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3778.0	0.0	3778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.8
10°-20°	84.8	2.2
20°-30°	144.5	3.8
30°-40°	225.8	6.0
40°-50°	382.7	10.1
50°-60°	697.9	18.5
60°-70°	1201.5	31.8
70°-80°	941.8	24.9
80°-90°	69.8	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°	3778.0	100.0
0°-180°	3778.0	100.0

Coefficient of Utilization



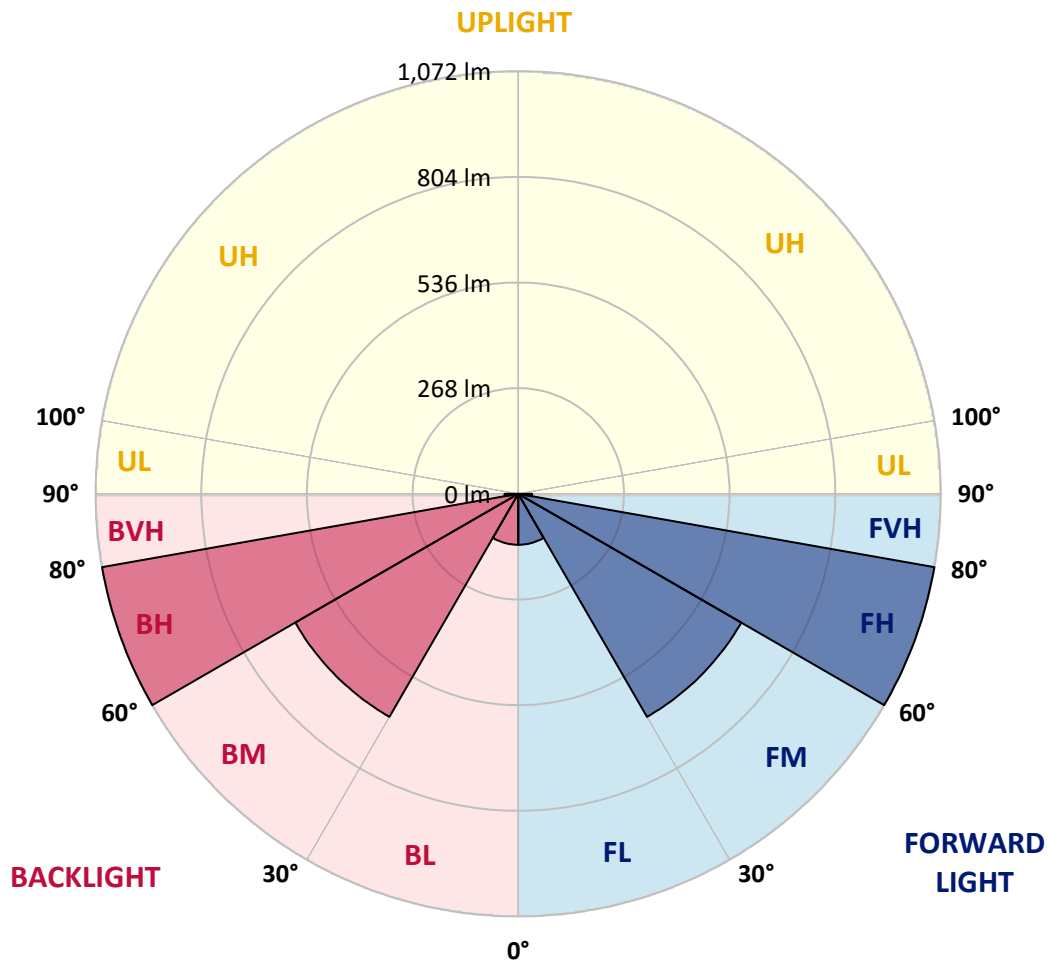
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 CATALOG NUMBER: GLEON-SA1A-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.2	3.4			
FM (30°-60°)	653.2	17.3			
FH (60°-80°)	1071.7	28.4			G1/1800
FVH (80°-90°)	34.9	0.9			G1/100
BL (0°-30°)	129.2	3.4	B1/500		
BM (30°-60°)	653.2	17.3	B1/1000		
BH (60°-80°)	1071.7	28.4	B3/2500		G1/1800
BVH (80°-90°)	34.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9	310.9
2.5°	309.6	309.9	309.6	309.8	309.2	309.4	309.4	309.4	309.3	309.4	309.2
5°	306.8	307.1	306.6	306.8	306.4	306.8	306.9	306.8	306.6	306.7	306.2
7.5°	302.7	302.9	302.6	302.9	302.4	303.1	302.9	302.6	302.2	302.2	301.7
10°	300.4	300.6	299.6	299.2	298.1	298.3	298.7	299.1	299.4	300.2	300.1
12.5°	300.6	300.6	299.1	297.4	295.8	296.2	296.8	298.2	299.7	301.1	301.2
15°	301.8	301.7	299.4	296.8	295.7	296.8	297.2	298.1	300.4	302.8	302.9
17.5°	302.7	302.7	299.2	296.2	296.1	297.8	297.7	298.1	300.7	304.2	304.3
20°	304.3	304.3	299.8	296.6	296.6	298.4	298.6	299.2	301.8	305.7	306.3
22.5°	307.9	308.1	303.3	300.7	300.9	302.1	302.4	303.4	305.8	310.1	310.8
25°	313.1	313.3	308.4	306.9	307.8	309.9	309.7	310.4	313.1	317.2	317.9
27.5°	320.2	319.6	315.1	314.4	315.3	316.8	316.7	316.8	318.9	322.7	323.6
30°	329.4	329.2	325.9	326.3	325.9	325.4	325.6	326.6	327.7	330.7	331.6
32.5°	338.4	338.7	336.7	338.5	341.3	343.2	340.3	337.5	336.3	337.9	338.7
35°	354.7	355.3	352.2	350.9	354.7	360.2	352.0	347.5	350.0	352.2	352.8
37.5°	382.3	382.7	377.4	372.4	369.7	374.9	366.8	367.2	375.9	379.9	379.8
40°	413.8	413.9	410.4	406.0	401.3	402.5	399.3	400.3	406.0	409.7	410.7
42.5°	451.3	450.9	445.4	439.2	437.8	439.0	433.5	432.8	439.4	445.9	446.0
45°	499.9	499.0	491.9	485.0	478.4	475.6	474.3	477.9	487.0	493.0	493.1
47.5°	552.3	549.9	546.1	540.6	534.9	532.1	529.9	531.6	538.3	540.6	540.9
50°	606.1	606.6	607.4	605.2	603.1	602.2	596.4	593.0	595.0	590.6	590.0
52.5°	670.0	671.0	678.2	684.3	688.0	689.8	678.7	667.1	660.6	652.1	649.6
55°	745.3	747.0	757.6	774.6	792.1	801.3	781.2	759.5	739.3	723.5	718.3
57.5°	829.3	832.2	846.8	879.4	915.3	937.2	903.2	863.7	824.8	801.9	797.9
60°	927.8	930.5	950.8	997.5	1055.6	1088.5	1037.0	972.4	924.0	902.2	894.8
62.5°	1045.0	1045.3	1070.1	1124.7	1201.5	1247.2	1177.5	1091.1	1041.3	1014.9	1007.8
65°	1171.1	1171.7	1197.5	1256.5	1335.8	1385.6	1306.8	1216.9	1155.9	1117.0	1111.5
67.5°	1260.2	1262.8	1290.0	1360.9	1435.2	1480.0	1398.6	1296.8	1226.3	1180.0	1175.4
70°	1246.0	1256.2	1288.1	1370.9	1474.2	1538.2	1413.4	1287.3	1194.4	1139.6	1135.7
72.5°	1086.6	1106.3	1148.7	1257.5	1422.6	1510.7	1332.3	1153.0	1047.8	1001.1	994.2
75°	740.0	771.8	835.9	992.8	1215.4	1308.0	1121.6	919.3	820.3	755.8	751.1
77.5°	329.9	337.2	418.4	599.0	838.7	939.3	814.9	601.4	451.4	360.0	340.8
80°	92.0	93.1	124.2	223.1	419.8	551.9	450.6	234.3	131.7	92.9	87.5
82.5°	29.2	31.7	38.7	57.9	141.1	251.8	144.8	62.5	44.5	35.5	32.0
85°	14.2	14.1	19.6	23.5	36.0	55.7	38.4	29.0	25.4	16.9	15.2
87.5°	6.0	6.1	9.1	8.2	10.5	9.0	12.4	13.0	13.6	7.5	6.5
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)