

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: P316905

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
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-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3700 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

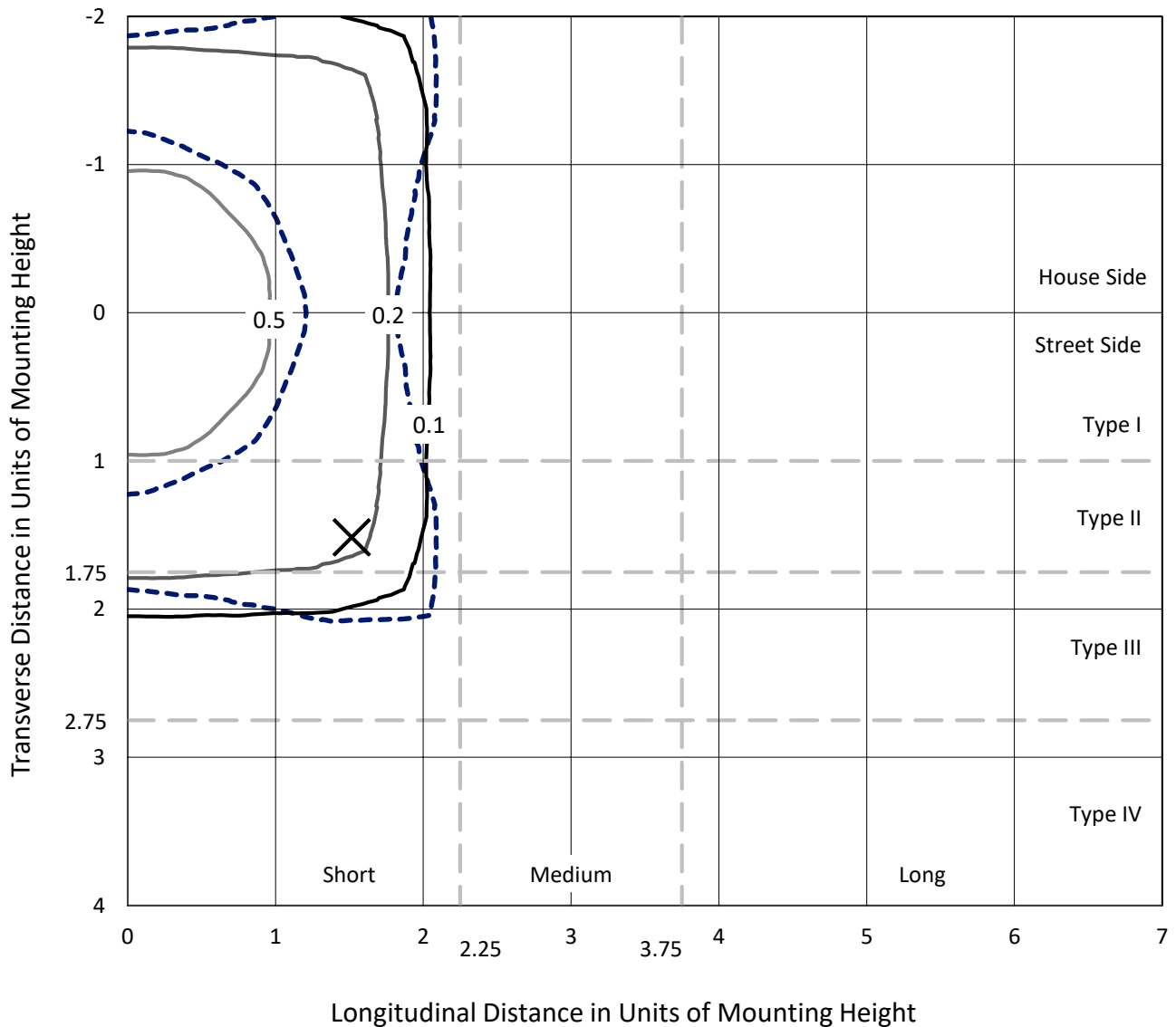
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

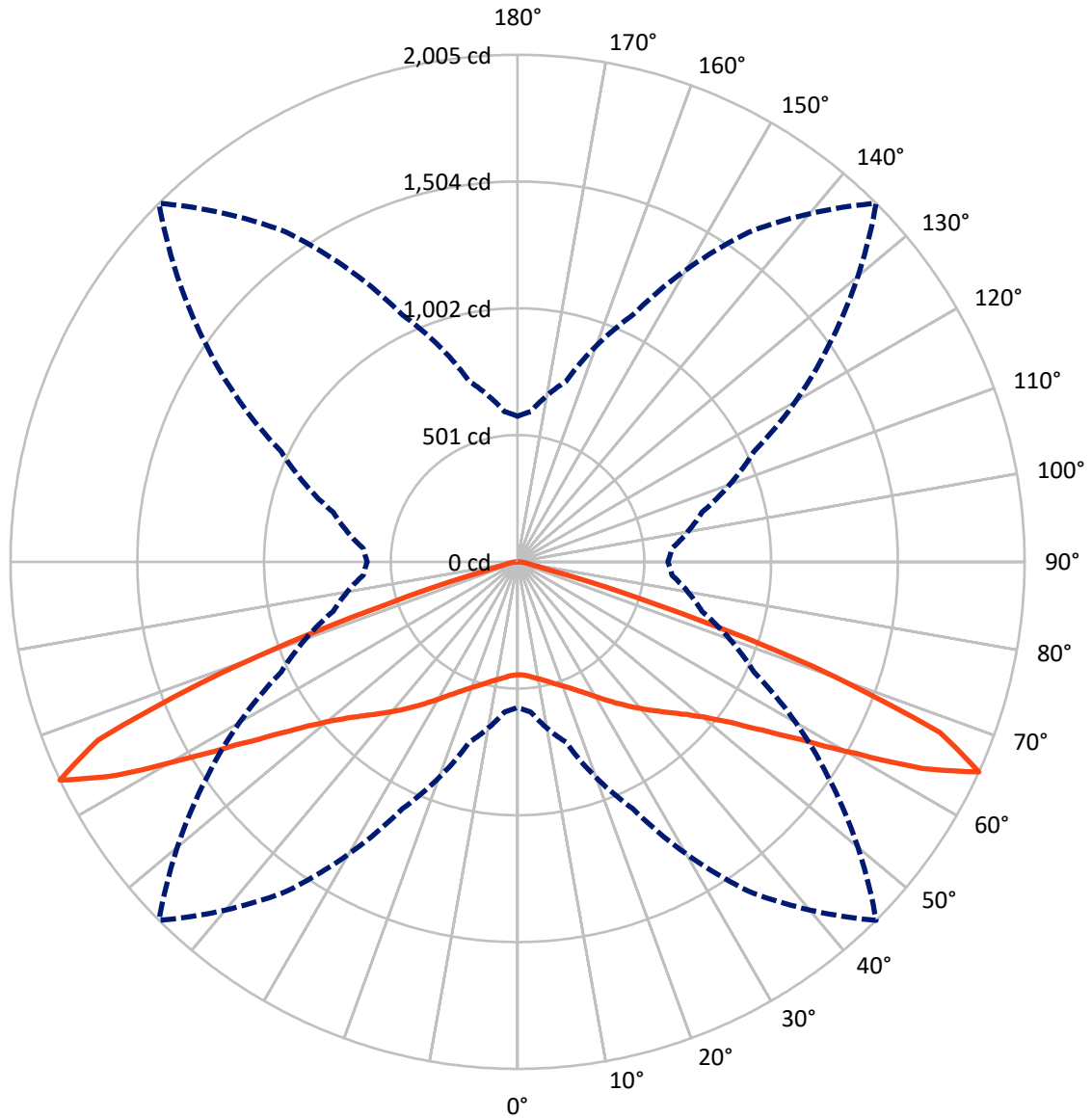
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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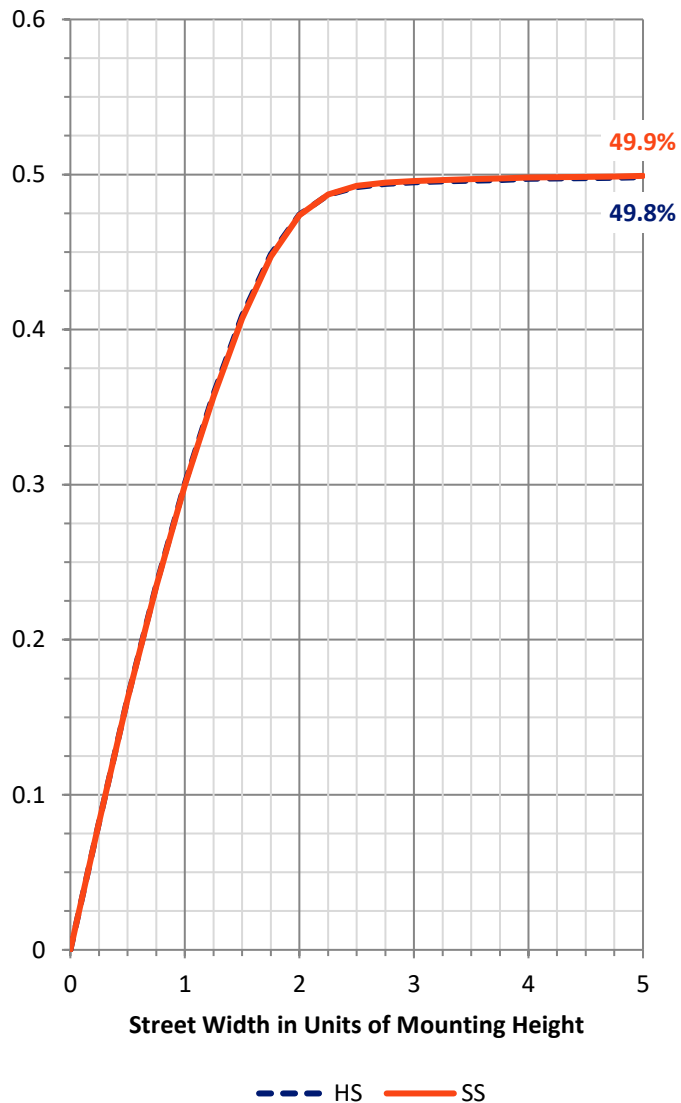
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1850.0	0.0	1850.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1850.0	0.0	1850.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3700.0	0.0	3700.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.2
10°-20°	140.9	3.8
20°-30°	264.4	7.1
30°-40°	437.2	11.8
40°-50°	677.2	18.3
50°-60°	1038.6	28.1
60°-70°	969.2	26.2
70°-80°	112.8	3.0
80°-90°	15.8	0.4
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°	3700.0	100.0
0°-180°	3700.0	100.0

Coefficient of Utilization

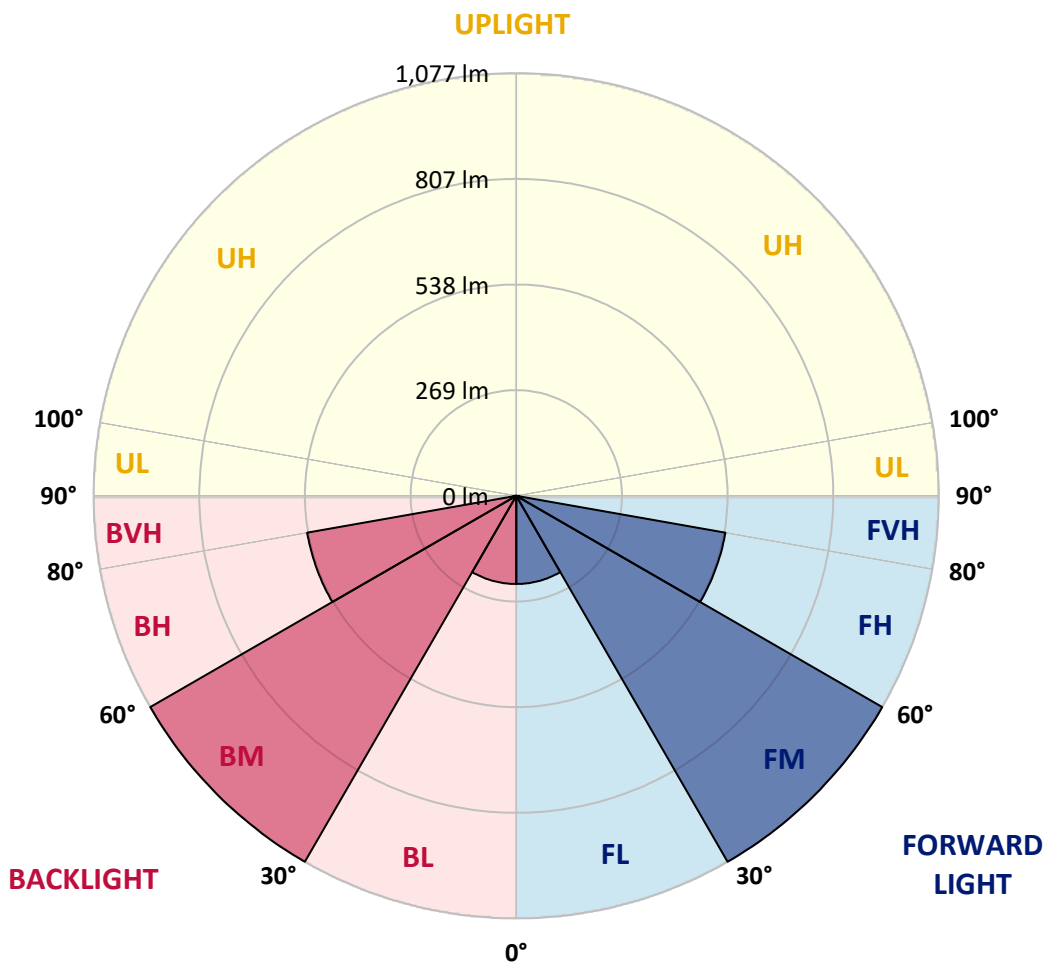


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.6	6.1			
FM (30°-60°)	1076.5	29.1			
FH (60°-80°)	541.0	14.6			G0/660
FVH (80°-90°)	7.9	0.2			G0/10
BL (0°-30°)	224.6	6.1	B1/500		
BM (30°-60°)	1076.5	29.1	B2/2500		
BH (60°-80°)	541.0	14.6	B2/1000		G0/660
BVH (80°-90°)	7.9	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	446.8	446.8	446.8	446.8	446.8	446.8	446.8	446.8	446.8	446.8	446.8
2.5°	448.3	448.1	448.3	448.4	447.7	448.1	447.9	448.5	448.8	448.5	448.5
5°	453.5	453.1	453.6	454.2	453.2	453.5	453.1	453.8	454.1	453.6	453.9
7.5°	460.6	460.7	461.2	462.3	461.7	462.2	461.4	461.6	461.4	460.7	460.8
10°	468.3	468.4	469.3	470.8	471.0	471.0	470.5	470.2	469.7	469.2	469.3
12.5°	477.6	478.3	478.9	480.7	480.7	481.7	481.5	480.5	479.6	478.9	478.9
15°	490.3	490.2	490.9	492.8	493.6	495.2	495.2	493.9	492.8	492.0	491.8
17.5°	503.6	503.9	504.4	506.6	508.0	509.8	510.1	509.0	508.2	507.2	506.6
20°	519.0	519.7	521.6	522.5	523.7	525.4	526.0	525.8	525.1	524.6	524.7
22.5°	537.1	538.7	539.9	541.1	542.6	543.9	544.5	545.3	544.6	544.2	544.0
25°	559.0	560.1	562.5	564.7	565.7	566.1	566.8	568.0	567.9	567.1	567.1
27.5°	583.8	585.9	588.9	592.1	592.1	590.9	593.3	595.4	594.7	593.6	592.1
30°	613.9	615.8	619.4	623.8	621.6	620.7	624.1	627.9	626.8	624.9	624.7
32.5°	646.3	648.1	652.8	657.6	654.8	653.5	657.1	662.6	660.7	657.0	654.8
35°	681.4	683.3	689.9	695.7	690.9	688.8	691.7	697.7	694.3	687.4	685.7
37.5°	719.6	720.6	729.2	735.1	731.8	726.2	729.9	734.3	731.4	723.0	719.7
40°	759.3	762.8	772.8	779.7	773.9	765.2	771.3	777.5	773.0	762.3	756.7
42.5°	805.6	808.3	821.5	827.7	818.4	806.1	814.4	822.8	818.4	808.0	803.1
45°	853.7	857.9	873.7	879.9	866.4	850.8	861.0	875.6	875.2	860.4	855.2
47.5°	906.2	910.3	929.3	937.4	922.8	901.9	916.2	936.9	935.4	919.1	914.9
50°	966.7	971.1	994.7	1004.9	991.3	967.0	988.6	1006.8	1004.1	983.9	984.3
52.5°	1042.7	1042.5	1071.9	1089.5	1075.5	1054.0	1073.9	1091.6	1080.5	1052.6	1051.7
55°	1109.3	1113.4	1149.7	1183.3	1182.4	1174.2	1182.1	1182.9	1151.0	1113.9	1109.3
57.5°	1153.0	1160.8	1212.0	1272.7	1318.1	1329.0	1313.6	1266.7	1191.9	1132.5	1125.3
60°	1126.1	1137.9	1218.4	1342.1	1475.9	1540.2	1452.8	1307.3	1160.0	1077.4	1067.6
62.5°	944.6	964.5	1082.3	1308.5	1611.8	1799.6	1553.8	1242.1	1033.5	919.7	902.9
65°	575.3	596.3	738.3	1077.0	1589.8	2004.9	1507.7	1031.0	754.4	612.8	594.6
67.5°	191.7	197.9	281.5	595.3	1249.5	1801.4	1251.5	617.2	328.3	217.6	211.3
70°	75.0	75.7	89.3	172.6	590.0	1237.3	651.1	175.6	93.3	73.8	75.4
72.5°	55.1	55.4	59.2	72.1	153.8	545.1	159.3	72.5	57.6	51.7	51.7
75°	44.3	44.3	47.0	52.6	68.9	125.0	69.9	52.0	45.1	41.3	40.8
77.5°	35.0	35.7	37.8	41.4	46.7	60.2	48.4	41.1	36.4	32.8	32.1
80°	26.0	26.8	30.2	31.9	33.5	41.8	35.7	32.2	28.7	24.6	23.8
82.5°	17.1	17.8	22.1	23.1	22.7	27.3	24.1	23.7	21.1	15.8	15.1
85°	11.2	11.4	14.7	15.4	14.1	12.4	15.4	16.2	14.7	10.3	9.9
87.5°	5.3	5.3	7.5	7.0	6.4	5.2	7.0	8.2	8.4	5.0	4.9
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)