

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: P317225

Luminaire Tested: **GLEON-SA1A-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317225
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-SA1A-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3666 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

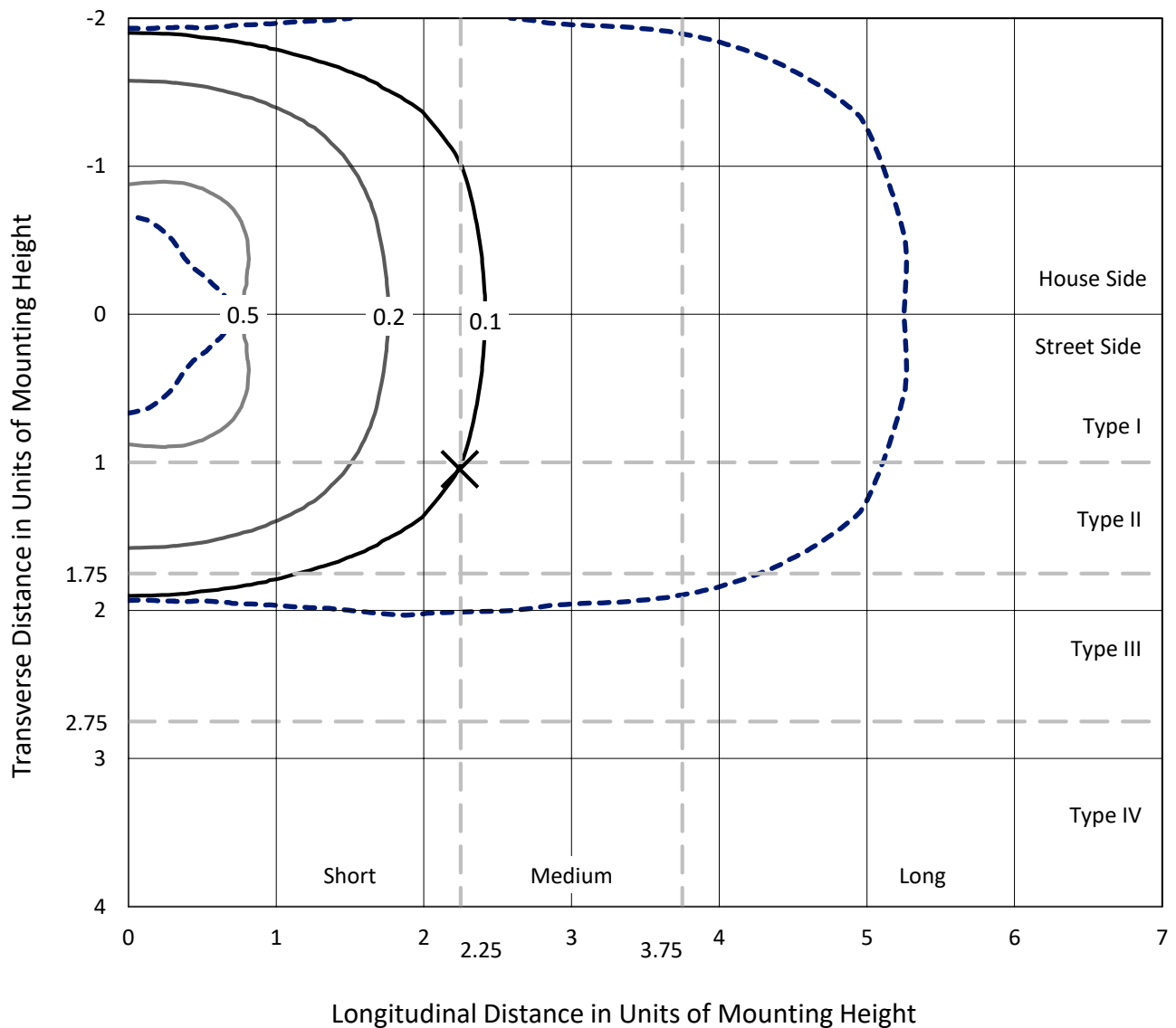
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

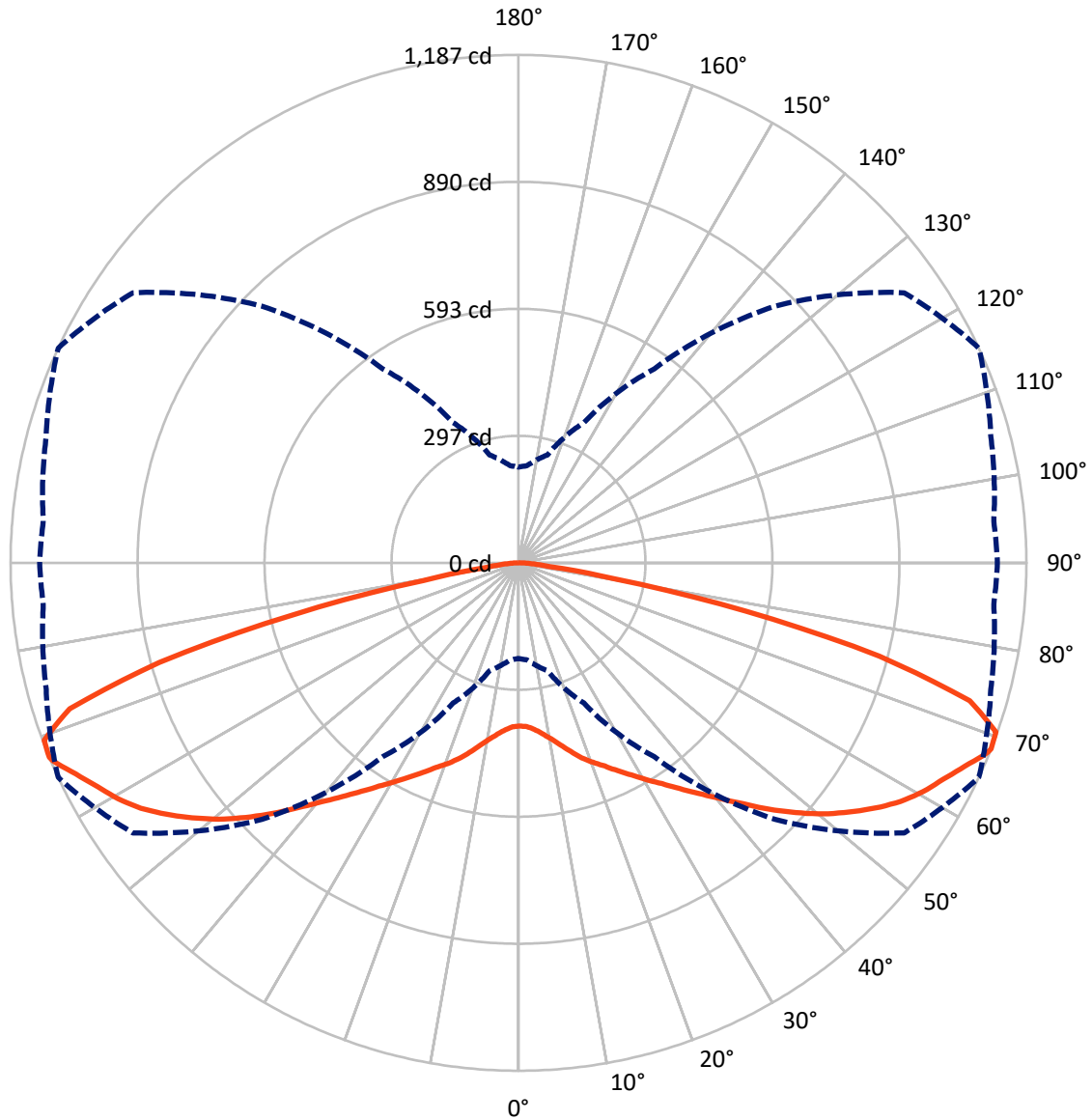
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type 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
House Side	Lumens	1833.0	0.0	1833.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1833.0	0.0	1833.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3666.0	0.0	3666.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	1.0
10°-20°	125.0	3.4
20°-30°	243.6	6.6
30°-40°	409.3	11.2
40°-50°	644.9	17.6
50°-60°	862.5	23.5
60°-70°	838.4	22.9
70°-80°	458.3	12.5
80°-90°	46.6	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°	3666.0	100.0
0°-180°	3666.0	100.0

Coefficient of Utilization



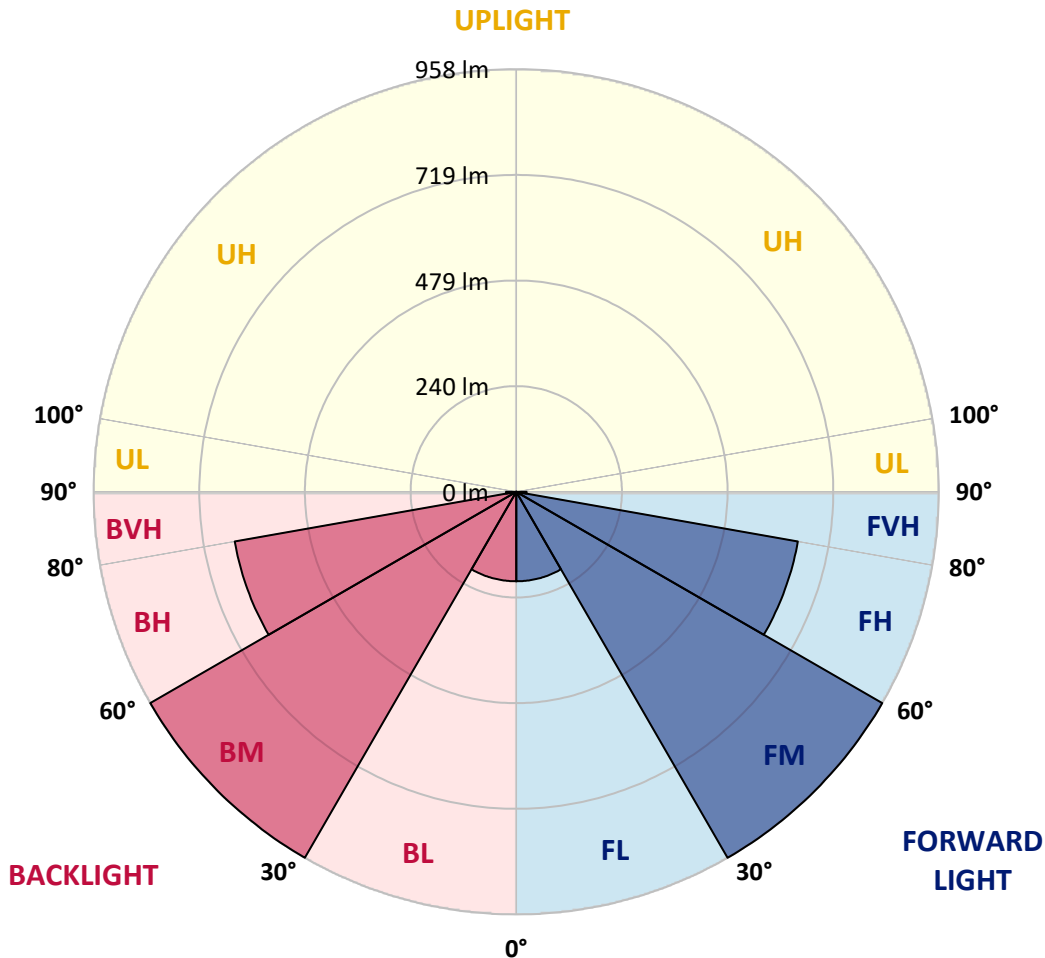
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	203.0	5.5			
FM (30°-60°)	958.3	26.1			
FH (60°-80°)	648.4	17.7			G0/660
FVH (80°-90°)	23.3	0.6			G1/100
BL (0°-30°)	203.0	5.5	B1/500		
BM (30°-60°)	958.3	26.1	B1/1000		
BH (60°-80°)	648.4	17.7	B2/1000		G2/1000
BVH (80°-90°)	23.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2	381.2
2.5°	378.5	378.6	379.2	379.9	380.6	382.2	382.5	383.1	383.4	384.0	384.0
5°	375.2	375.4	376.9	378.8	381.1	385.0	387.8	391.0	392.6	394.3	394.2
7.5°	374.8	375.4	377.5	380.7	384.4	390.9	396.8	403.2	407.5	411.4	411.2
10°	378.6	379.6	382.5	387.3	392.9	401.0	409.7	418.3	425.8	431.8	432.1
12.5°	384.4	385.6	390.3	397.5	405.9	416.3	426.7	436.4	446.7	455.7	456.4
15°	392.0	393.6	400.6	411.4	424.2	436.6	447.7	457.6	469.6	482.0	483.2
17.5°	403.3	405.5	414.7	429.4	446.2	459.8	471.4	478.9	488.9	501.6	504.0
20°	420.5	423.3	435.0	452.5	473.0	487.3	496.1	497.7	502.6	514.1	516.8
22.5°	442.9	445.3	458.4	479.1	502.1	517.6	522.3	515.9	515.4	524.6	527.2
25°	467.8	470.0	485.2	508.5	533.2	550.3	550.2	537.8	529.2	536.3	539.0
27.5°	495.9	499.3	513.8	538.4	564.8	581.7	580.7	561.5	545.2	547.0	549.3
30°	528.1	531.9	546.0	571.0	597.4	613.9	612.6	587.3	562.7	557.8	559.5
32.5°	568.0	572.6	586.0	610.5	633.9	648.8	645.2	615.3	583.9	573.2	574.8
35°	616.1	618.8	632.9	657.1	676.1	686.3	678.8	647.8	610.7	597.8	597.8
37.5°	664.8	666.8	682.7	706.2	724.5	729.9	715.3	683.3	645.7	627.4	627.8
40°	711.5	717.1	734.9	759.0	777.1	778.6	759.2	723.9	684.7	665.7	668.0
42.5°	760.3	765.8	787.1	814.4	830.3	832.8	810.0	769.4	728.7	713.3	715.8
45°	803.8	808.2	832.8	864.5	884.4	890.8	863.9	821.5	776.2	761.2	761.9
47.5°	834.1	839.9	867.0	904.3	933.3	943.2	916.7	872.2	823.1	804.9	806.5
50°	861.7	864.7	892.2	933.0	969.8	990.1	967.5	922.4	870.4	851.1	852.8
52.5°	877.0	881.0	907.5	950.1	993.7	1026.4	1012.6	967.5	916.1	897.3	899.4
55°	866.3	869.3	901.1	953.9	1008.4	1048.8	1050.9	1011.6	961.0	944.5	950.4
57.5°	817.7	821.4	860.2	929.3	1010.3	1063.9	1079.6	1052.6	1002.9	989.5	993.0
60°	741.6	743.9	785.3	863.0	974.4	1070.1	1097.9	1086.0	1044.0	1030.6	1035.2
62.5°	606.0	609.4	659.0	763.1	898.6	1051.6	1115.6	1113.7	1082.2	1069.9	1074.1
65°	414.2	420.3	475.1	606.7	781.7	994.8	1131.7	1145.9	1116.0	1100.5	1106.0
67.5°	250.1	254.6	294.3	400.6	598.1	880.2	1115.1	1182.5	1139.8	1114.9	1119.4
68°	223.6	227.6	260.8	361.5	553.3	847.9	1100.0	1186.7	1142.4	1114.6	1118.7
70°	135.1	137.8	160.0	223.5	368.9	672.6	996.9	1183.2	1158.9	1118.1	1120.4
72.5°	88.0	88.9	92.6	114.7	188.4	376.1	748.2	1102.6	1183.6	1138.1	1137.8
75°	73.1	72.6	73.0	75.6	92.9	165.0	437.2	871.0	1128.3	1106.5	1098.8
77.5°	61.8	61.5	61.3	61.5	62.2	79.7	189.8	542.6	863.4	978.8	985.7
80°	50.0	49.5	51.1	50.4	48.2	49.5	79.5	225.7	407.0	437.8	410.3
82.5°	36.4	34.5	41.4	39.5	37.6	34.9	43.9	72.9	97.1	66.6	46.8
85°	28.0	26.1	31.5	30.2	25.8	17.8	26.1	35.6	39.3	22.5	17.7
87.5°	11.4	12.0	22.7	17.9	15.1	8.6	10.7	14.3	19.2	9.6	7.4
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)