

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: P316615

Luminaire Tested: **GLEON-SA1D-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA1D-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6274 lumens
Efficiency: N/A
Efficacy: 93.6 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

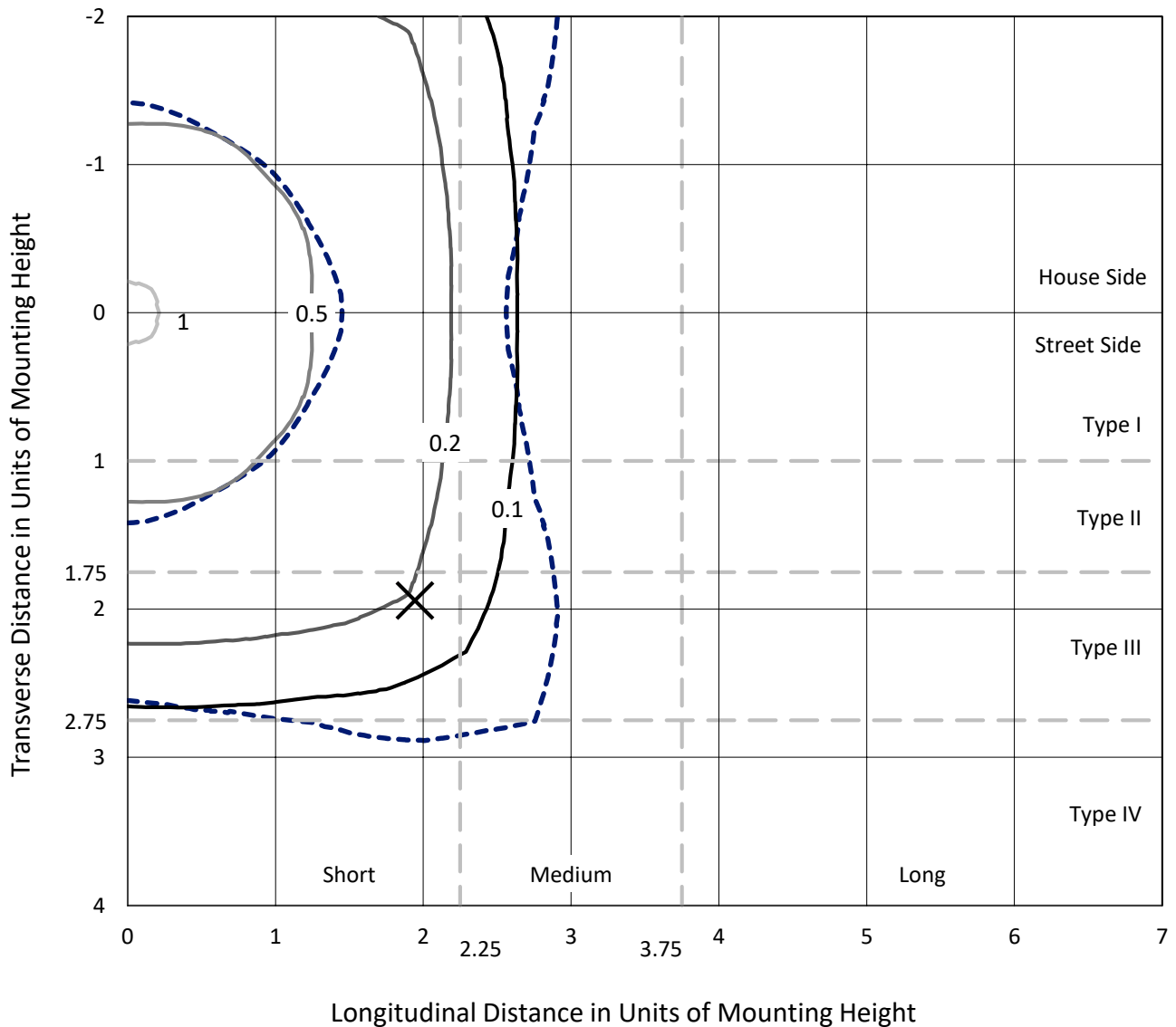
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316615
 CATALOG NUMBER: GLEON-SA1D-827-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

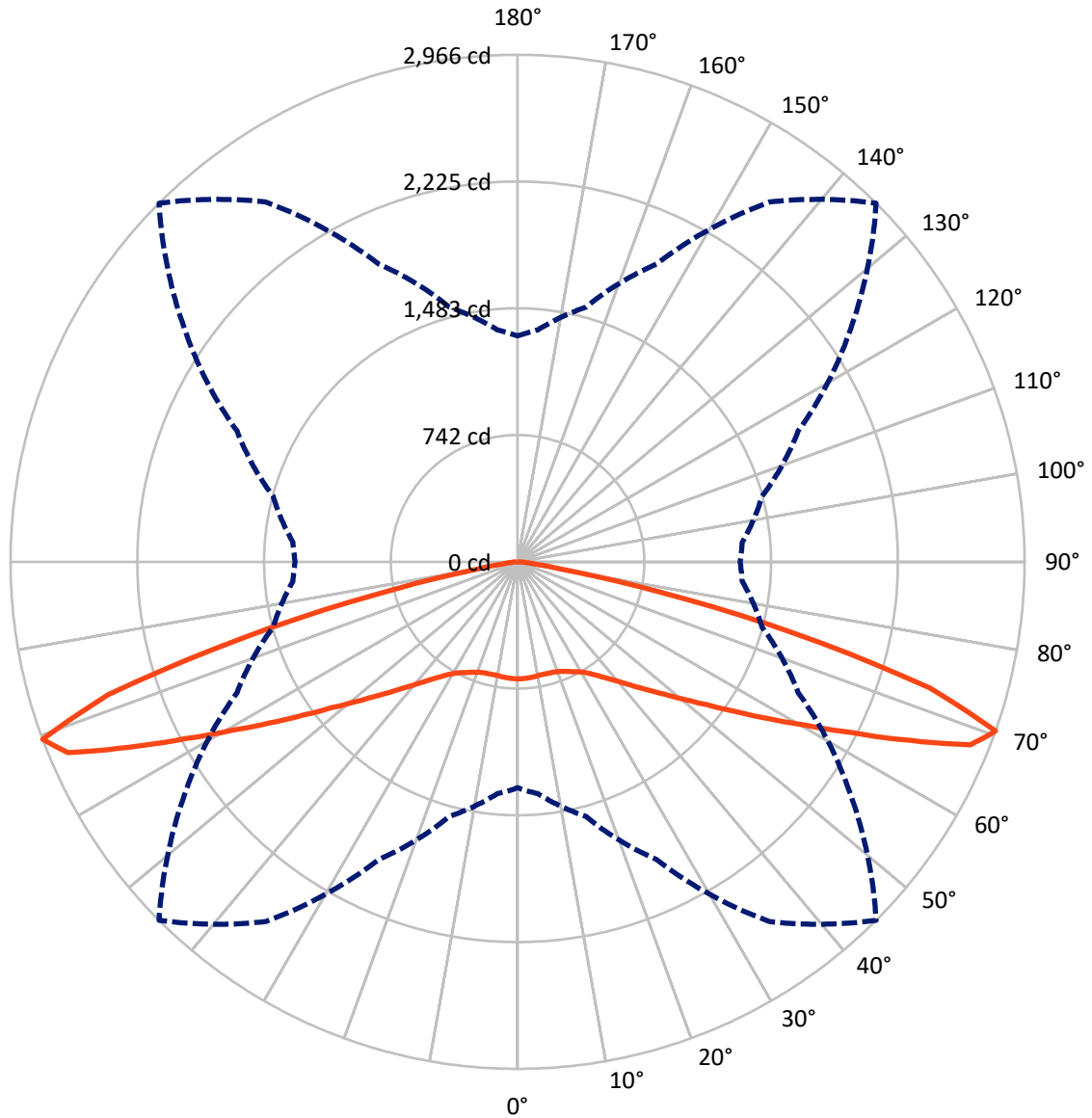
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

REPORT NUMBER: P316615
CATALOG NUMBER: GLEON-SA1D-827-U-5MQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P316615
 CATALOG NUMBER: GLEON-SA1D-827-U-5MQ

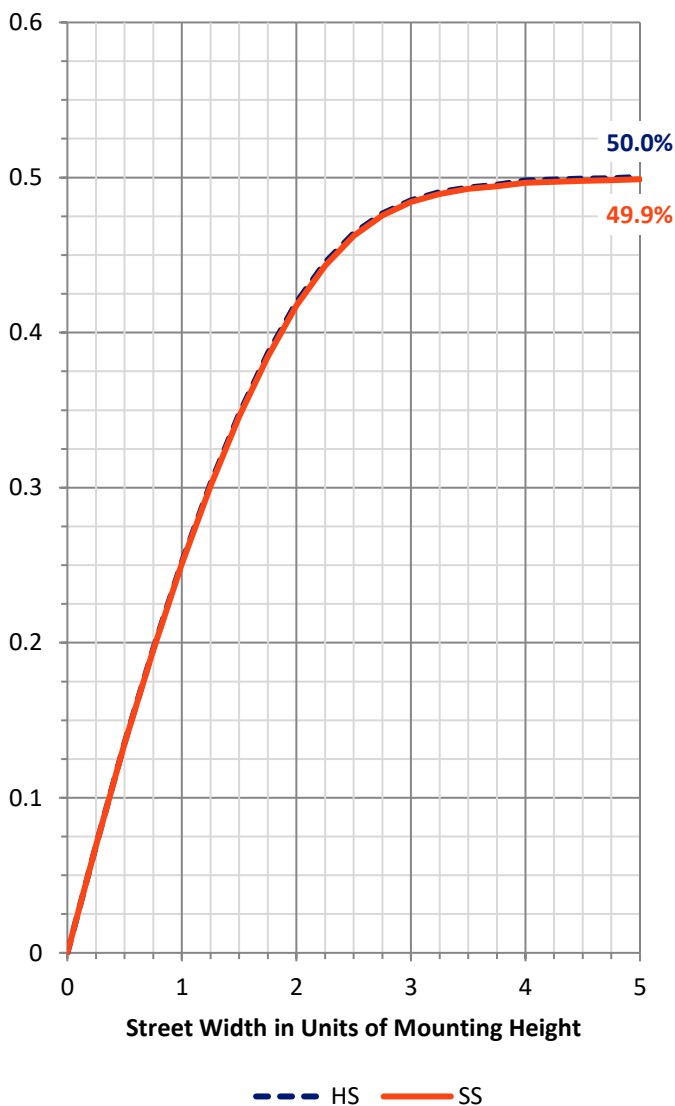
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3137.0	0.0	3137.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3137.0	0.0	3137.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6274.0	0.0	6274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.0
10°-20°	190.5	3.0
20°-30°	324.3	5.2
30°-40°	514.4	8.2
40°-50°	837.1	13.3
50°-60°	1380.2	22.0
60°-70°	2026.1	32.3
70°-80°	895.9	14.3
80°-90°	40.6	0.6
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°	6274.0	100.0
0°-180°	6274.0	100.0

Coefficient of Utilization



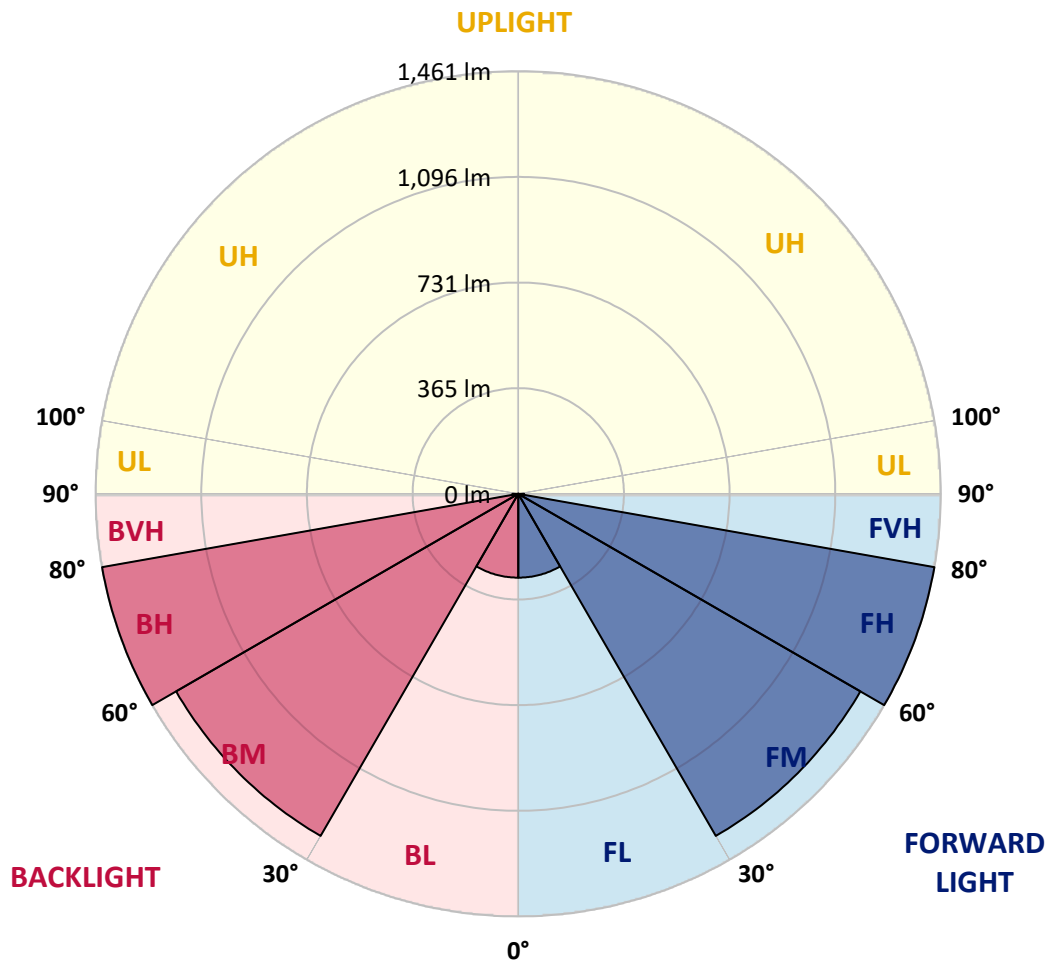
REPORT NUMBER: P316615
 CATALOG NUMBER: GLEON-SA1D-827-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.9	4.6			
FM (30°-60°)	1365.8	21.8			
FH (60°-80°)	1461.0	23.3			G1/1800
FVH (80°-90°)	20.3	0.3			G1/100
BL (0°-30°)	289.9	4.6	B1/500		
BM (30°-60°)	1365.8	21.8	B2/2500		
BH (60°-80°)	1461.0	23.3	B3/2500		G1/1800
BVH (80°-90°)	20.3	0.3			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





REPORT NUMBER: P316615
 CATALOG NUMBER: GLEON-SA1D-827-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2	685.2
2.5°	684.2	683.6	685.0	684.8	683.6	683.8	683.8	684.4	684.4	684.0	684.0
5°	681.7	681.3	682.9	682.9	681.7	682.1	682.5	683.1	682.9	682.5	682.3
7.5°	678.6	678.4	680.0	680.0	679.2	679.6	679.2	679.4	679.0	678.6	678.0
10°	673.4	673.8	675.3	675.7	675.7	675.9	675.5	674.4	673.8	673.2	672.6
12.5°	668.6	668.4	670.5	671.5	673.2	675.0	673.8	670.9	669.6	668.4	668.0
15°	665.5	665.7	667.8	669.6	672.6	676.5	675.0	670.5	668.0	666.5	666.1
17.5°	664.9	665.3	668.0	671.3	674.4	678.8	678.0	673.4	669.2	666.5	665.9
20°	666.3	666.5	670.7	675.5	680.9	685.0	683.1	678.2	672.6	668.4	667.4
22.5°	669.0	669.9	675.0	682.5	690.8	696.4	694.1	685.6	676.9	671.7	670.3
25°	677.5	677.7	684.8	695.0	704.9	711.4	708.7	696.6	685.4	679.6	677.7
27.5°	695.2	695.8	702.9	714.7	723.2	727.4	725.7	715.9	706.4	700.2	700.8
30°	720.7	721.6	729.4	742.5	747.7	748.8	748.3	743.8	735.1	726.7	727.4
32.5°	751.9	752.3	762.9	774.7	778.9	779.7	778.9	774.7	764.3	753.1	753.7
35°	791.9	793.2	803.4	814.8	818.1	819.8	818.3	812.9	802.1	791.1	790.7
37.5°	841.4	841.6	852.2	864.0	868.2	868.6	866.9	863.4	849.9	839.9	839.3
40°	898.7	899.5	912.0	924.6	926.3	924.4	926.7	924.6	910.7	899.3	901.2
42.5°	968.4	970.3	985.3	997.7	992.9	991.9	993.4	994.0	982.8	968.9	967.6
45°	1049.6	1051.3	1070.0	1079.9	1076.8	1070.0	1072.9	1077.9	1062.3	1045.1	1046.7
47.5°	1142.2	1146.4	1166.3	1175.7	1168.0	1158.6	1164.2	1171.7	1153.5	1132.1	1131.0
50°	1245.2	1250.4	1277.0	1290.1	1282.4	1265.2	1274.5	1279.5	1253.1	1225.5	1223.2
52.5°	1355.1	1360.3	1393.7	1420.7	1415.7	1388.9	1402.0	1396.8	1366.5	1329.3	1326.4
55°	1479.4	1481.5	1517.7	1561.3	1566.2	1546.5	1545.7	1537.2	1492.3	1449.3	1447.3
57.5°	1607.4	1608.8	1655.5	1707.0	1730.5	1730.5	1707.2	1689.2	1629.6	1579.7	1574.5
60°	1745.4	1750.6	1802.3	1872.3	1927.1	1943.3	1902.2	1853.0	1788.2	1727.4	1721.4
62.5°	1868.4	1874.4	1953.5	2057.7	2145.8	2204.7	2104.2	2024.1	1906.2	1808.6	1797.1
65°	1883.9	1900.1	2015.4	2204.1	2401.2	2518.9	2326.2	2128.7	1913.8	1778.2	1766.6
67.5°	1720.5	1747.9	1903.7	2197.5	2604.7	2857.4	2468.0	2068.9	1776.0	1626.0	1613.2
70°	1322.1	1361.9	1541.5	1922.1	2569.6	2966.4	2379.2	1811.3	1480.7	1319.4	1301.3
72.5°	725.3	741.7	903.2	1316.2	2060.0	2520.8	1984.4	1339.3	981.9	799.0	768.7
75°	230.1	235.9	318.1	538.6	1165.3	1669.6	1260.6	657.4	361.9	266.8	263.7
77.5°	102.2	102.8	115.0	157.2	401.4	845.9	482.1	179.0	123.3	107.8	111.3
80°	64.6	64.6	71.2	77.9	109.2	245.6	130.4	85.1	72.7	67.5	68.9
82.5°	30.9	34.3	46.3	49.8	60.0	82.6	66.9	55.6	48.6	36.1	33.6
85°	20.3	17.0	29.3	33.0	34.9	39.7	38.8	36.8	31.8	18.1	20.1
87.5°	9.1	8.7	15.2	13.9	13.1	10.0	15.0	18.5	17.9	8.9	8.9
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)