

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: STREETWORKS

Report Number: P527133

Luminaire Tested: **GLAN-SA2A-827-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-827-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3527 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

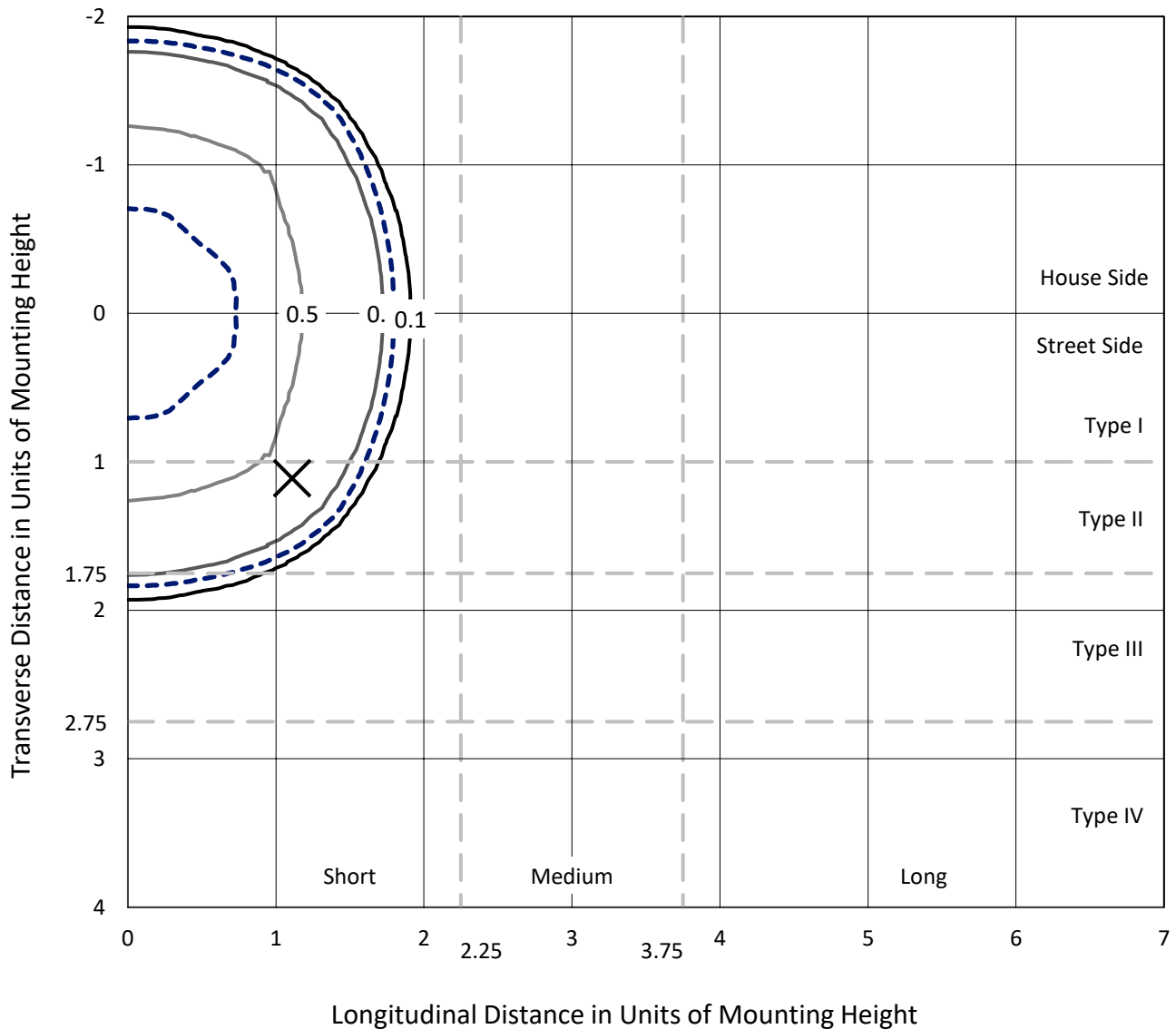
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527133
 CATALOG NUMBER: GLAN-SA2A-827-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

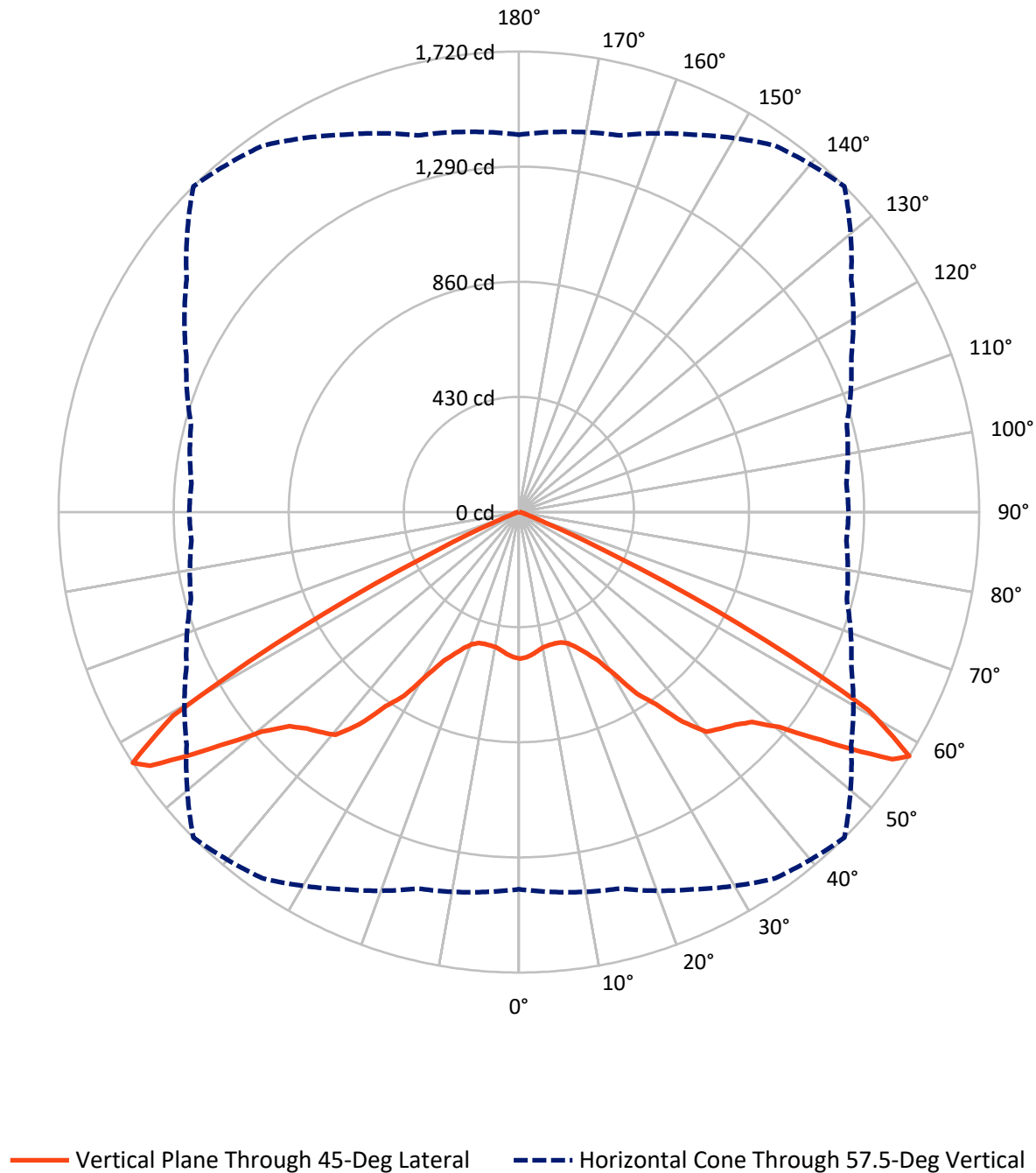
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P527133
CATALOG NUMBER: GLAN-SA2A-827-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P527133

CATALOG NUMBER: GLAN-SA2A-827-U-5WQ-GRSBK

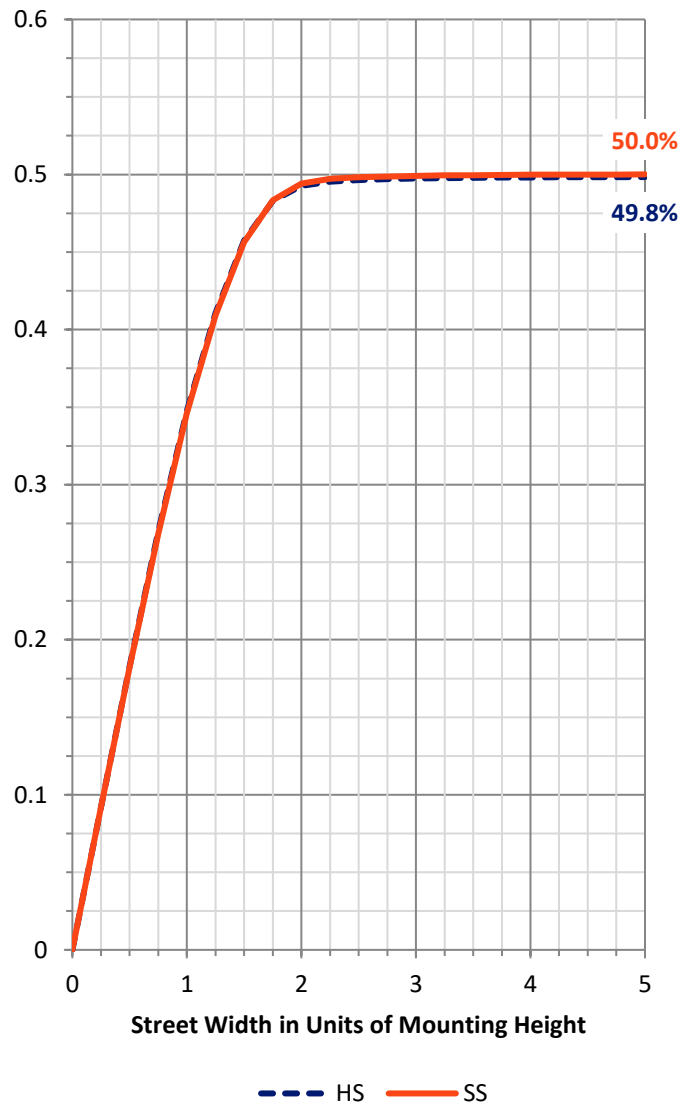
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1763.5	0.0	1763.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1763.5	0.0	1763.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3527.0	0.0	3527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.4
10°-20°	145.3	4.1
20°-30°	268.2	7.6
30°-40°	527.5	15.0
40°-50°	859.2	24.4
50°-60°	1225.3	34.7
60°-70°	424.2	12.0
70°-80°	22.8	0.6
80°-90°	4.3	0.1
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°	3527.0	100.0
0°-180°	3527.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527133

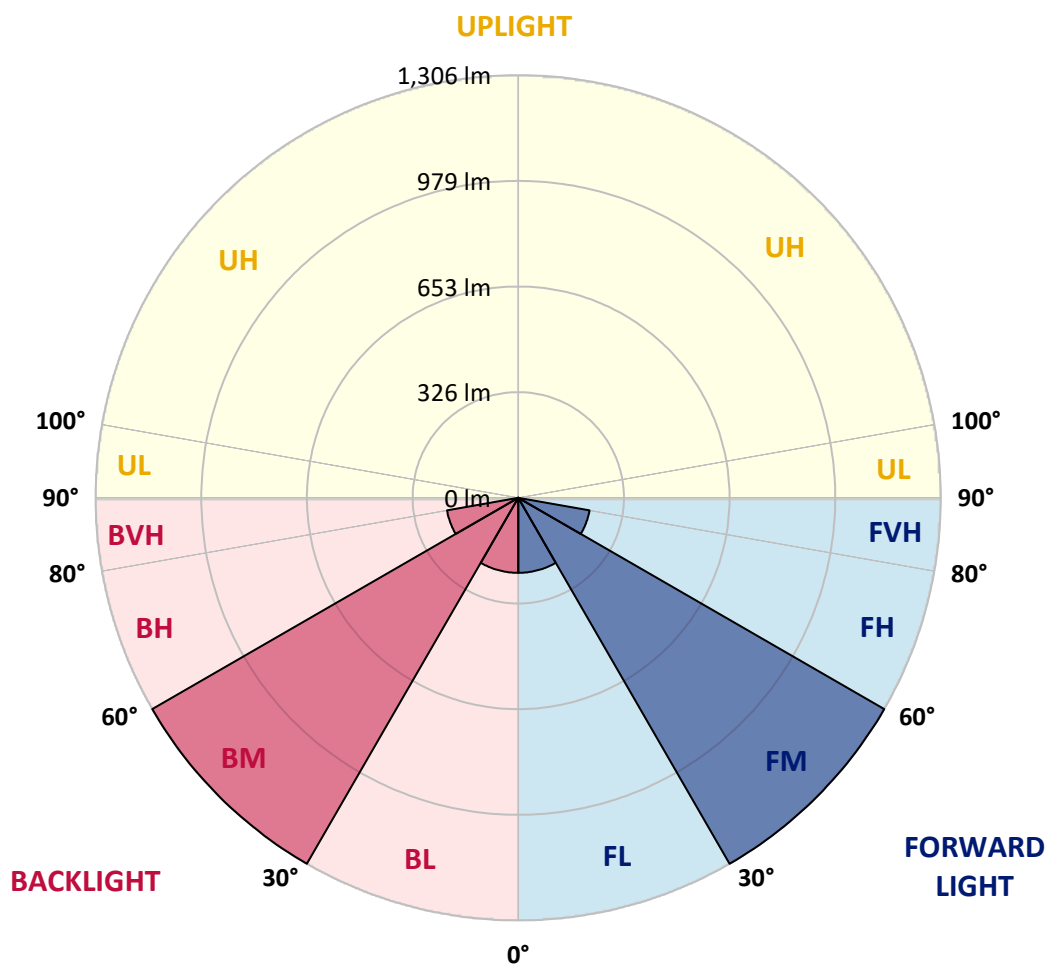
CATALOG NUMBER: GLAN-SA2A-827-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.9	6.6			
FM	(30°-60°)	1306.0	37.0			
FH	(60°-80°)	223.5	6.3			G0/660
FVH	(80°-90°)	2.1	0.1			G0/10
BL	(0°-30°)	231.9	6.6	B1/500		
BM	(30°-60°)	1306.0	37.0	B2/2500		
BH	(60°-80°)	223.5	6.3	B1/500		G0/660
BVH	(80°-90°)	2.1	0.1			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





REPORT NUMBER: P527133

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1	547.1
2.5°	545.6	548.5	544.9	543.4	542.7	542.7	540.5	540.5	539.7	540.5	537.5
5°	536.8	539.7	539.7	539.0	534.6	533.8	531.6	530.2	530.9	528.0	530.2
7.5°	528.0	530.2	527.2	526.5	525.0	522.1	521.3	514.7	515.5	515.5	516.9
10°	526.5	525.8	521.3	517.7	513.3	512.5	510.3	508.8	508.8	508.1	510.3
12.5°	526.5	522.8	522.1	514.0	506.6	509.6	503.7	500.0	505.2	506.6	509.6
15°	525.8	529.4	516.9	513.3	508.1	508.8	503.7	500.0	503.0	504.4	506.6
17.5°	530.2	528.0	524.3	516.9	514.7	511.8	505.2	502.2	502.2	505.9	506.6
20°	541.9	536.0	528.7	525.0	527.2	523.5	515.5	504.4	507.4	510.3	512.5
22.5°	553.0	548.5	543.4	541.2	553.7	547.8	533.8	521.3	516.9	522.1	525.8
25°	574.3	574.3	564.7	567.7	581.6	582.4	566.2	544.1	541.2	543.4	544.9
27.5°	617.7	619.9	611.8	614.7	620.6	625.8	611.8	593.4	586.8	586.0	588.3
30°	664.7	669.1	668.4	680.9	697.8	700.8	680.2	650.0	630.2	626.5	629.4
32.5°	726.5	728.7	727.2	741.9	787.5	808.8	755.2	712.5	686.0	692.7	686.0
35°	842.7	840.5	824.3	827.2	864.7	880.2	828.7	801.5	789.0	802.2	799.3
37.5°	942.7	934.6	921.4	940.5	979.4	993.4	939.7	891.9	869.1	891.2	900.8
40°	1027.2	1006.6	988.3	1007.4	1059.6	1078.7	1000.0	961.1	952.2	968.4	989.0
42.5°	1098.6	1085.3	1061.1	1062.5	1097.1	1105.9	1042.7	1019.9	1011.1	1036.8	1047.1
45°	1149.3	1136.8	1114.0	1112.5	1139.0	1133.1	1076.5	1061.1	1066.2	1083.1	1088.3
47.5°	1175.0	1181.7	1168.4	1172.1	1186.1	1172.1	1127.2	1127.2	1115.5	1125.8	1120.6
50°	1249.3	1228.7	1245.6	1245.6	1260.3	1261.8	1216.9	1200.8	1169.2	1151.5	1151.5
52.5°	1336.1	1337.5	1344.2	1368.4	1393.4	1414.7	1350.8	1281.7	1228.7	1205.9	1203.0
55°	1407.4	1422.1	1448.6	1494.2	1566.2	1595.6	1485.3	1361.8	1297.1	1261.8	1254.4
56°	1446.4	1432.4	1478.0	1540.5	1634.6	1672.8	1507.4	1378.0	1306.7	1266.9	1266.2
57.5°	1408.9	1424.3	1455.9	1554.5	1669.9	1719.9	1515.5	1370.6	1268.4	1228.0	1231.7
60°	1112.5	1127.2	1169.9	1280.2	1461.1	1500.0	1282.4	1130.2	1039.0	980.9	981.6
62.5°	629.4	640.5	673.5	775.8	888.3	925.8	799.3	697.8	634.6	602.2	591.9
65°	231.6	227.2	232.4	284.6	353.7	385.3	332.4	280.9	247.8	236.0	231.6
67.5°	86.8	80.1	75.0	80.1	100.7	106.6	97.8	81.6	76.5	78.7	80.1
70°	53.7	50.7	40.4	38.2	37.5	36.8	39.0	41.2	47.1	55.1	56.6
72.5°	37.5	35.3	28.7	27.2	25.7	25.0	28.7	31.6	36.8	42.6	43.4
75°	14.7	15.4	14.7	16.2	16.9	17.6	20.6	22.8	25.0	25.0	24.3
77.5°	2.9	2.9	4.4	5.9	7.4	9.6	14.0	16.2	16.9	16.2	14.0
80°	0.0	0.0	1.5	2.9	5.9	8.1	12.5	14.0	15.4	14.0	11.0
82.5°	0.0	0.0	1.5	3.7	5.9	7.4	11.8	14.7	16.9	15.4	11.8
85°	0.0	0.0	1.5	2.9	4.4	5.1	5.1	3.7	3.7	2.2	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)