

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: P654136

Luminaire Tested: **GLAN-SA1B-840-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P654136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5067.9 lumens
Efficiency: N/A
Efficacy: 115.2 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

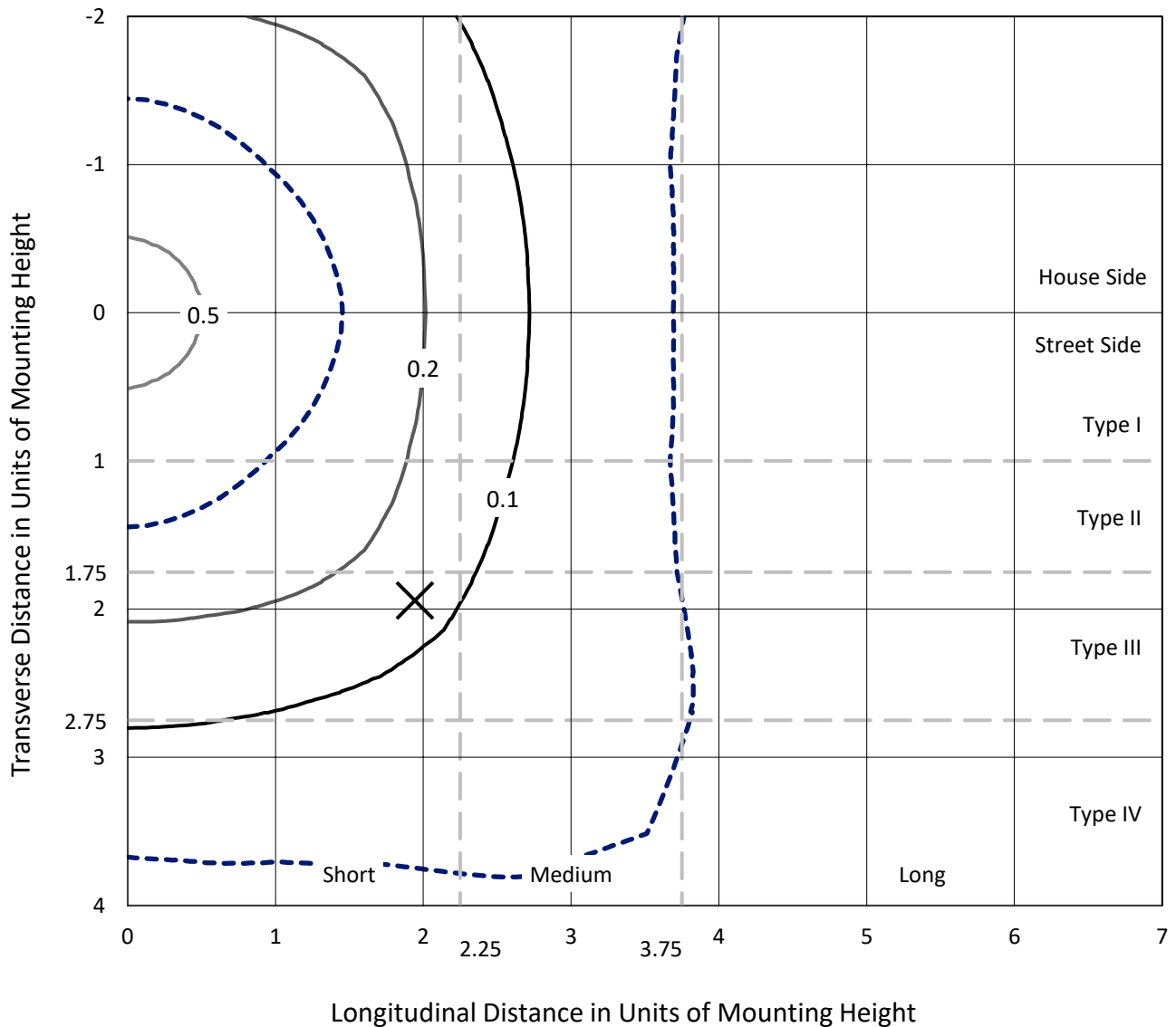
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P654136
 CATALOG NUMBER: GLAN-SA1B-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

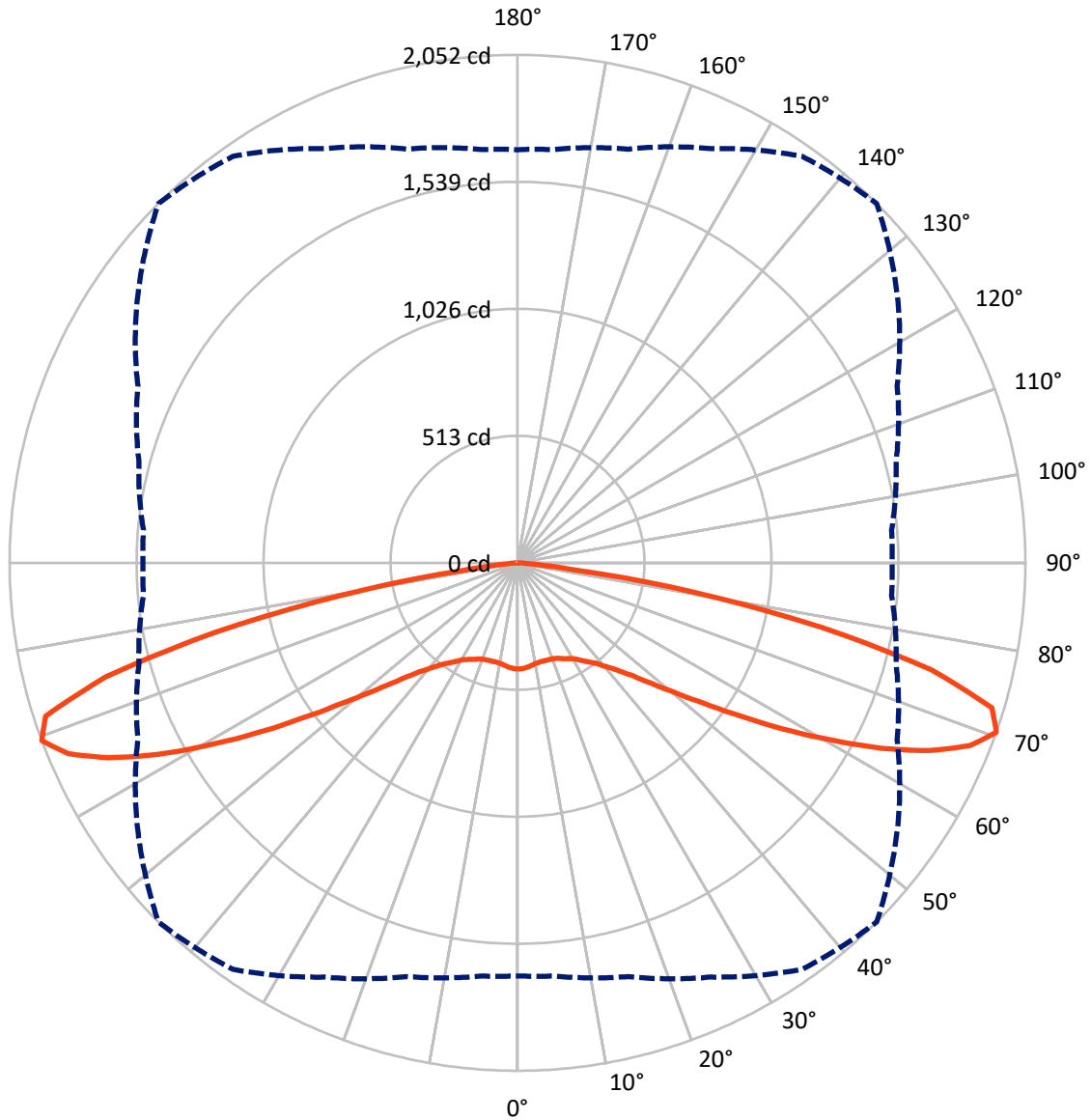
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P654136
CATALOG NUMBER: GLAN-SA1B-840-U-5WQ

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GLAN-SA1B-840-U-5WQ

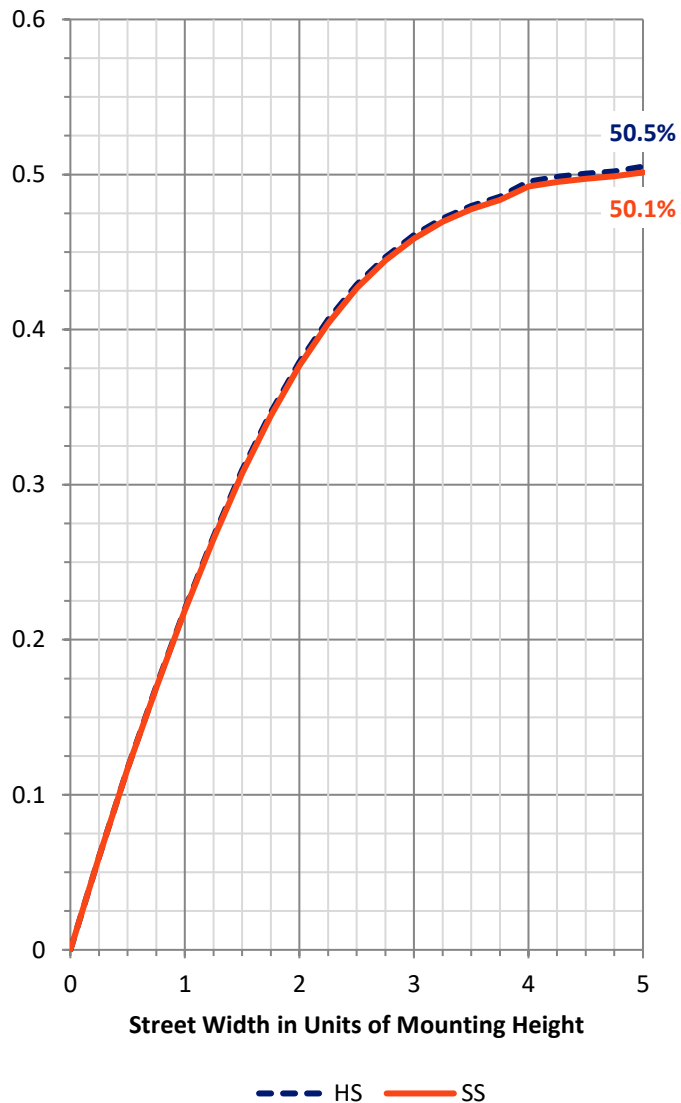
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2533.9	0.0	2533.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2533.9	0.0	2533.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5067.9	0.0	5067.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	0.8
10°-20°	117.5	2.3
20°-30°	200.1	3.9
30°-40°	310.2	6.1
40°-50°	522.1	10.3
50°-60°	950.0	18.7
60°-70°	1608.3	31.7
70°-80°	1244.9	24.6
80°-90°	74.6	1.5
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°	5067.9	100.0
0°-180°	5067.9	100.0

Coefficient of Utilization



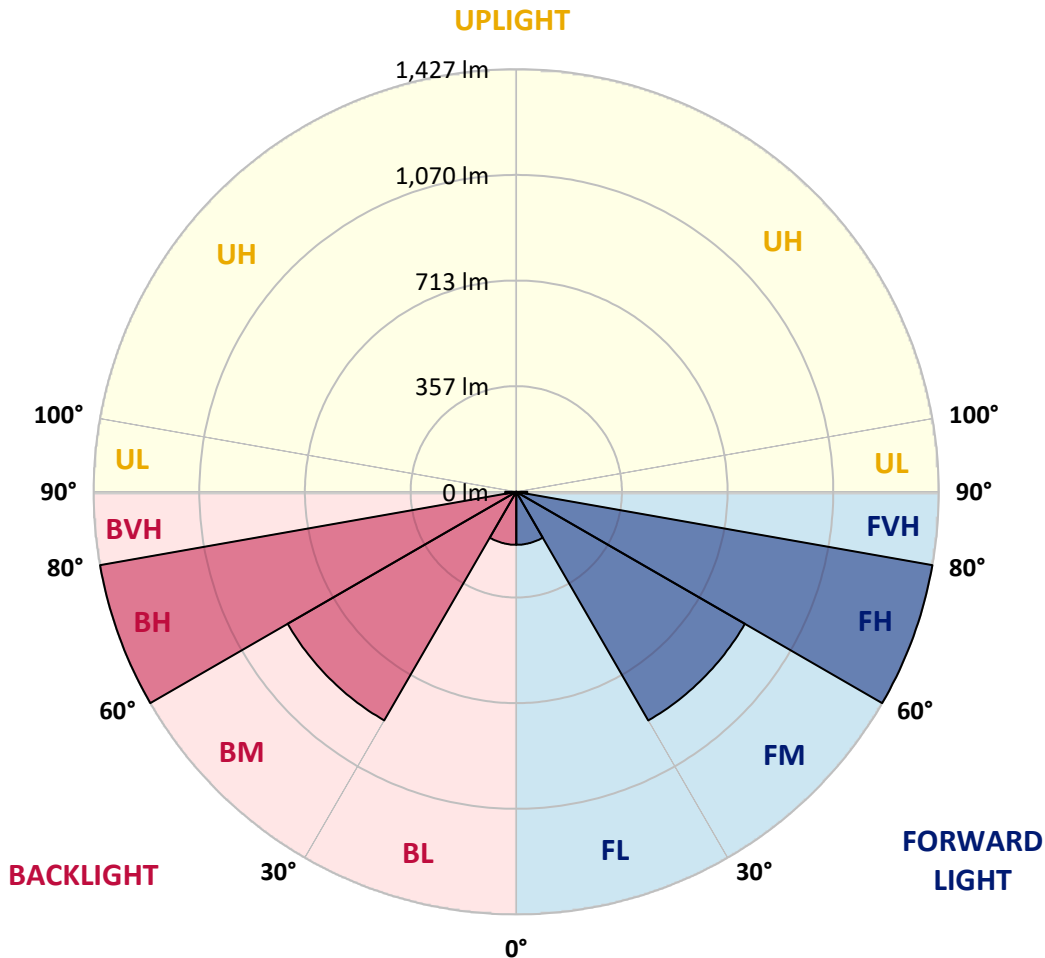
REPORT NUMBER: P654136
 CATALOG NUMBER: GLAN-SA1B-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.9	3.5			
FM (30°-60°)	891.2	17.6			
FH (60°-80°)	1426.6	28.2			G1/1800
FVH (80°-90°)	37.3	0.7			G1/100
BL (0°-30°)	178.9	3.5	B1/500		
BM (30°-60°)	891.2	17.6	B1/1000		
BH (60°-80°)	1426.6	28.2	B3/2500		G1/1800
BVH (80°-90°)	37.3	0.7			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°	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1	429.1
2.5°	428.0	428.2	428.2	427.7	427.5	427.5	427.1	427.1	428.0	428.2	428.5
5°	424.2	424.2	424.2	423.9	423.4	423.4	422.9	422.9	423.2	423.9	423.4
7.5°	419.2	419.7	419.7	418.6	417.8	417.8	417.6	417.8	418.1	418.9	418.6
10°	417.6	417.8	416.5	414.6	413.3	412.4	412.8	413.3	414.6	415.1	415.4
12.5°	418.6	418.6	416.2	413.5	411.2	410.1	409.8	411.7	414.1	415.7	416.2
15°	420.0	419.4	416.5	413.0	410.6	410.3	410.1	411.4	414.9	418.1	418.3
17.5°	420.8	420.5	416.7	412.4	411.2	411.2	410.8	411.9	415.7	419.7	420.0
20°	423.4	422.6	418.3	413.8	412.8	413.3	412.4	413.8	417.8	422.6	423.7
22.5°	428.8	428.0	423.7	419.2	418.6	418.6	418.3	419.7	423.9	429.1	429.8
25°	435.2	434.4	430.4	427.1	427.7	428.8	428.2	428.5	432.0	436.3	437.7
27.5°	443.8	442.5	439.0	436.3	437.9	437.9	437.9	437.7	439.8	443.8	445.1
30°	454.2	453.7	449.9	449.7	451.0	449.7	449.7	449.9	450.2	454.0	455.3
32.5°	467.8	466.8	464.9	464.4	468.1	469.2	465.5	462.0	463.8	467.6	468.4
35°	490.4	488.7	486.1	483.2	486.1	491.1	483.2	480.5	485.3	490.4	490.9
37.5°	520.8	520.1	515.8	510.4	510.2	515.5	507.2	507.0	516.0	522.2	523.0
40°	559.2	559.9	554.6	549.5	546.8	551.1	544.7	547.1	555.9	562.9	562.4
42.5°	612.9	610.0	601.7	596.9	593.9	592.3	590.7	594.5	604.3	611.8	617.7
45°	675.8	674.7	664.3	658.4	652.0	649.6	649.1	655.7	667.8	676.9	677.7
47.5°	747.1	744.6	737.9	731.8	729.4	726.5	723.8	728.8	740.9	747.3	749.2
50°	820.4	820.9	820.9	819.8	822.2	822.8	815.5	817.5	824.1	823.6	823.1
52.5°	904.2	907.1	921.0	922.3	933.8	941.6	928.5	920.7	918.4	903.9	904.9
55°	1002.6	1005.3	1026.2	1047.0	1078.2	1091.3	1063.7	1039.6	1022.5	1000.5	1001.5
57.5°	1125.5	1126.9	1146.6	1186.8	1236.0	1266.8	1218.4	1170.8	1135.9	1115.1	1106.8
60°	1257.7	1259.1	1288.0	1336.9	1413.5	1451.0	1391.0	1313.1	1269.2	1237.4	1239.5
62.5°	1416.4	1421.8	1447.8	1515.2	1608.1	1650.1	1570.7	1466.5	1407.1	1367.5	1369.1
65°	1586.4	1595.5	1623.9	1698.1	1783.7	1828.9	1731.5	1611.3	1537.4	1489.0	1494.0
67.5°	1696.7	1704.7	1745.7	1827.6	1934.4	1971.8	1846.1	1706.1	1613.7	1555.9	1545.2
70°	1668.5	1675.3	1729.9	1846.1	2004.2	2051.6	1873.3	1692.2	1583.4	1516.8	1512.5
72.5°	1472.9	1459.0	1538.8	1705.5	1924.5	2003.9	1787.5	1545.4	1408.7	1340.1	1332.1
75°	976.1	1006.4	1124.2	1320.6	1628.2	1726.7	1525.7	1240.9	1068.7	1011.7	1002.9
77.5°	326.3	349.6	454.2	748.7	1110.0	1258.0	1111.5	811.6	574.2	462.6	464.7
80°	86.5	85.4	110.5	205.8	479.6	728.6	558.3	274.9	150.5	108.9	103.3
82.5°	31.0	34.8	44.7	57.0	127.2	226.5	159.8	77.1	56.5	41.7	40.5
85°	13.6	13.4	19.3	22.8	31.9	42.3	37.5	32.6	28.7	19.0	17.7
87.5°	2.9	2.9	4.5	3.4	5.6	5.6	7.0	8.3	8.6	5.6	4.5
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)