

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: P654142

Luminaire Tested: **GLAN-SA1B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4242.8 lumens
Efficiency: N/A
Efficacy: 96.4 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

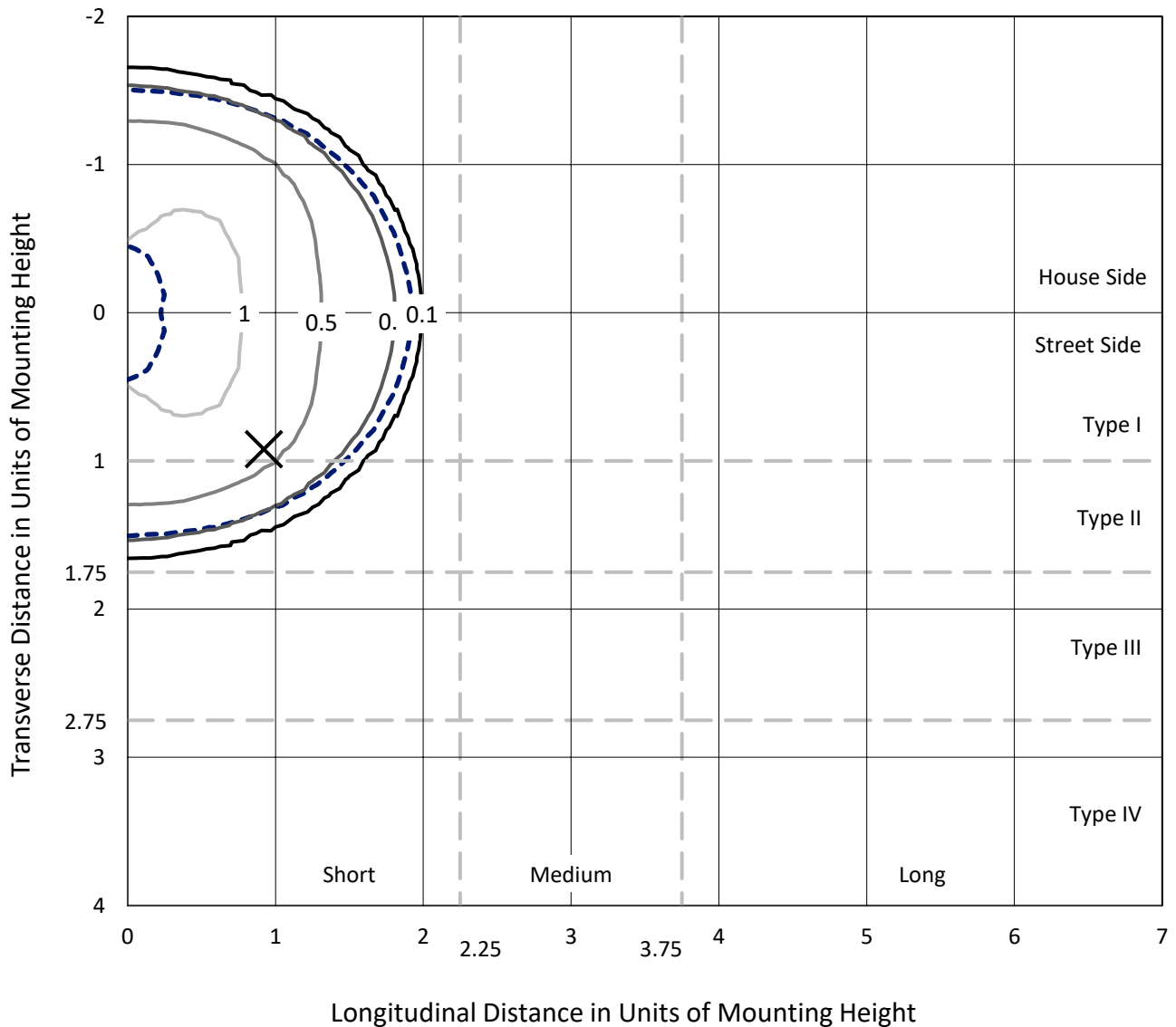
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

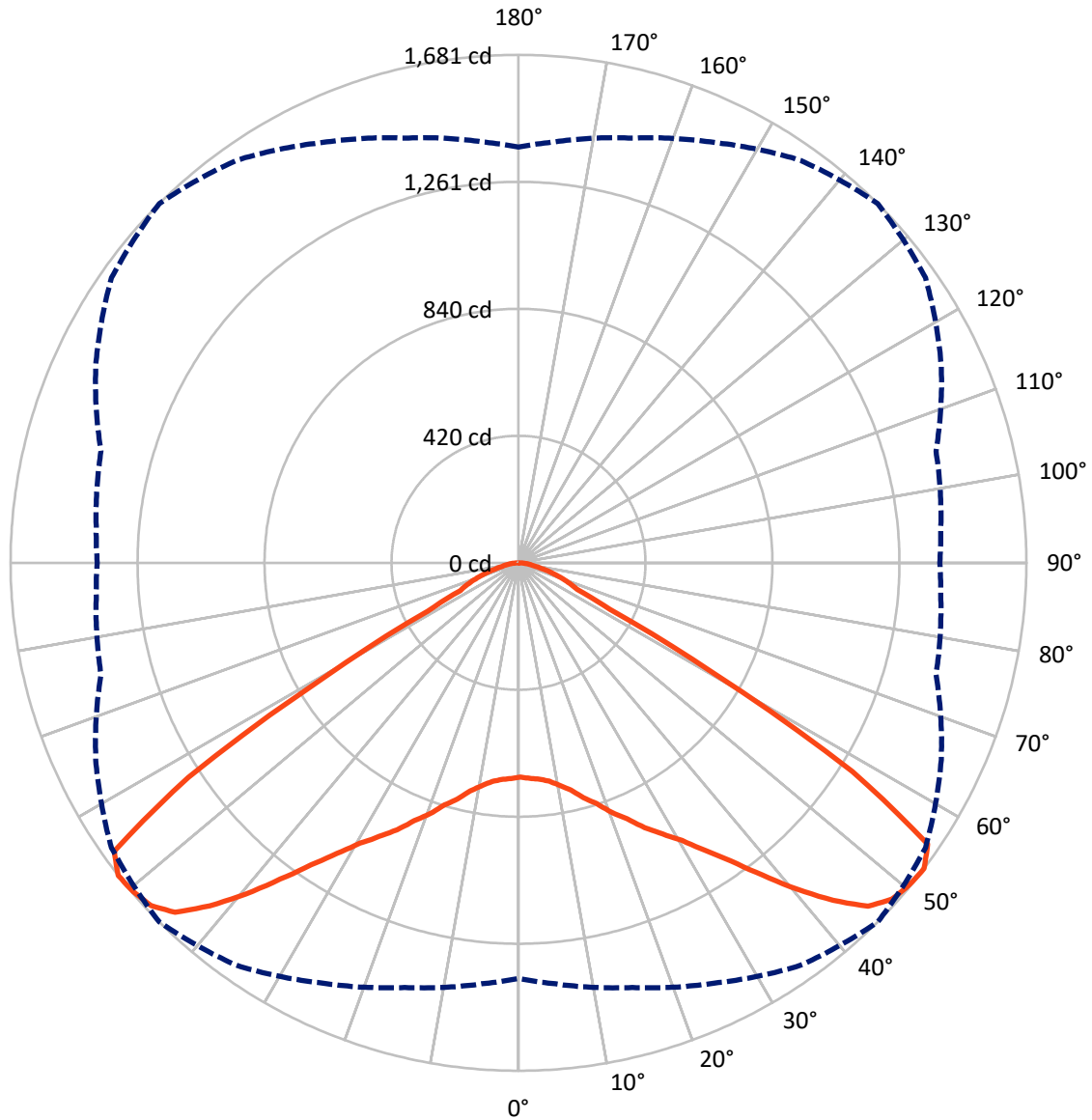
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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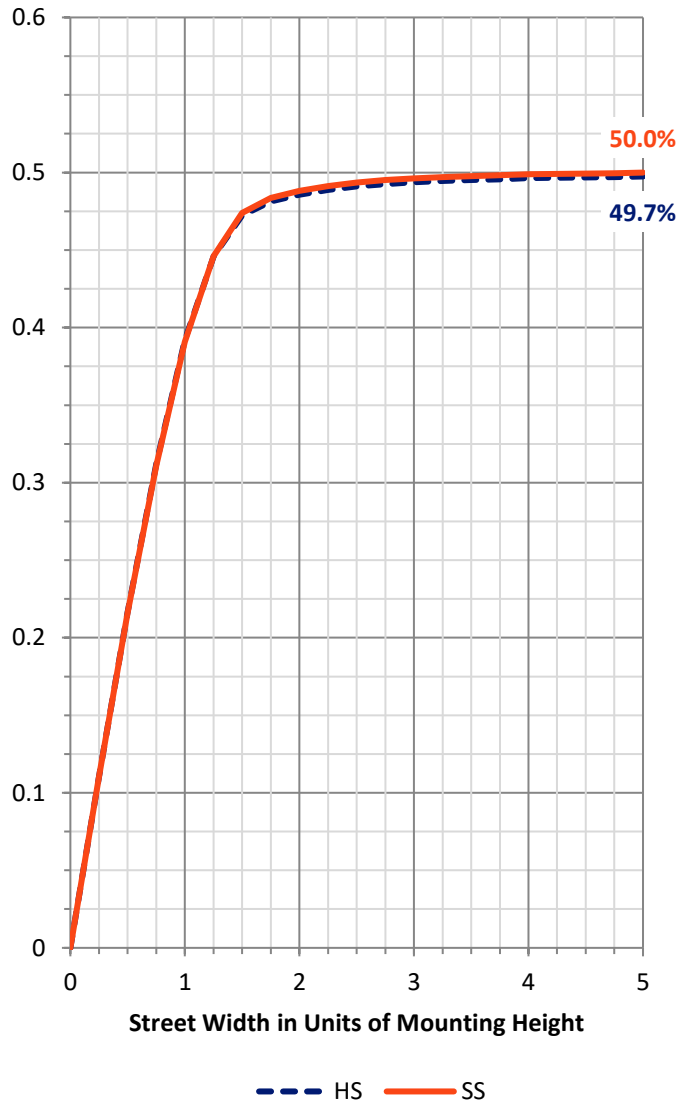
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2121.4	0.0	2121.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2121.4	0.0	2121.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4242.8	0.0	4242.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	1.6
10°-20°	229.0	5.4
20°-30°	435.9	10.3
30°-40°	748.5	17.6
40°-50°	1150.5	27.1
50°-60°	1168.3	27.5
60°-70°	325.6	7.7
70°-80°	96.0	2.3
80°-90°	19.3	0.5
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°	4242.8	100.0
0°-180°	4242.8	100.0

Coefficient of Utilization

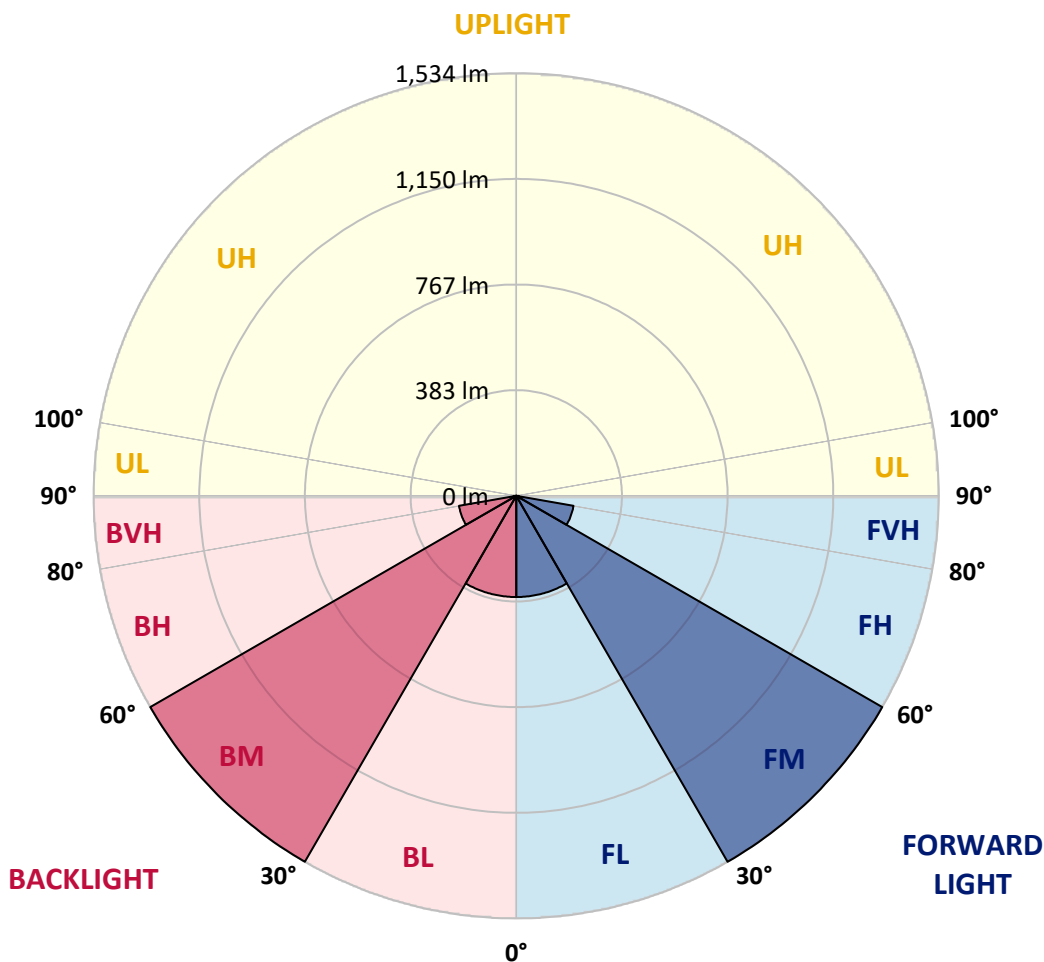


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.3	8.7			
FM (30°-60°)	1533.6	36.1			
FH (60°-80°)	210.8	5.0			G0/660
FVH (80°-90°)	9.7	0.2			G0/10
BL (0°-30°)	367.3	8.7	B1/500		
BM (30°-60°)	1533.6	36.1	B2/2500		
BH (60°-80°)	210.8	5.0	B1/500		G0/660
BVH (80°-90°)	9.7	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°	709.2	709.2	709.2	709.2	709.2	709.2	709.2	709.2	709.2	709.2	709.2
2.5°	710.8	703.5	706.1	707.7	714.5	714.0	712.4	714.5	716.6	717.1	716.1
5°	710.3	705.0	707.1	708.7	715.6	719.2	718.2	727.1	733.4	731.9	739.8
7.5°	706.1	709.2	706.6	714.5	720.3	729.2	738.7	747.1	755.0	764.0	765.6
10°	715.6	715.6	720.3	726.6	741.9	748.7	762.5	774.6	789.8	800.4	796.1
12.5°	725.5	727.1	727.1	743.4	756.1	771.4	784.0	800.4	821.9	834.5	840.9
15°	735.5	736.6	741.9	764.0	783.0	807.2	818.8	833.5	845.6	869.3	869.8
17.5°	744.5	750.3	766.2	790.9	814.6	837.7	856.1	871.4	882.0	891.5	889.4
20°	778.3	782.5	798.8	823.5	858.7	881.5	887.8	890.4	897.3	916.2	910.4
22.5°	810.9	812.5	827.7	865.6	890.4	920.4	927.2	925.7	928.3	933.0	941.4
25°	844.5	847.2	868.2	900.4	935.1	970.9	976.7	964.6	960.9	966.2	966.7
27.5°	887.8	888.3	915.1	943.0	982.5	1016.2	1025.2	1015.7	998.4	1002.6	1009.4
30°	942.5	938.8	965.6	1005.7	1047.3	1066.2	1081.5	1076.7	1057.8	1054.1	1048.3
32.5°	1005.7	1006.8	1031.0	1074.6	1102.0	1133.7	1150.0	1142.1	1130.0	1123.7	1127.4
35°	1094.6	1099.4	1115.8	1152.1	1196.3	1212.1	1237.9	1221.0	1189.4	1197.3	1204.2
37.5°	1167.9	1181.5	1212.1	1255.3	1281.6	1310.5	1320.0	1297.4	1274.2	1264.8	1287.4
40°	1280.0	1275.8	1309.5	1352.7	1391.6	1420.6	1408.5	1385.9	1328.4	1328.9	1335.3
42.5°	1376.4	1378.5	1404.3	1455.9	1509.1	1527.0	1488.5	1433.2	1369.6	1362.7	1376.4
45°	1457.5	1465.9	1480.7	1549.6	1601.8	1621.2	1550.1	1484.9	1399.5	1371.1	1393.8
47.5°	1486.4	1500.1	1532.2	1595.4	1647.0	1662.8	1606.0	1512.2	1427.4	1381.1	1393.2
50°	1490.7	1485.9	1538.5	1596.5	1641.7	1675.9	1626.0	1532.2	1420.6	1396.4	1392.7
52.5°	1375.3	1398.5	1454.8	1534.3	1626.0	1680.7	1643.8	1543.3	1430.1	1402.7	1393.8
55°	1113.1	1085.7	1188.4	1322.1	1490.7	1642.8	1637.5	1549.0	1435.8	1413.2	1401.1
57.5°	621.3	629.2	687.1	832.4	1049.9	1302.6	1455.9	1488.0	1433.2	1420.1	1426.4
60°	287.5	290.1	314.9	382.8	517.6	738.7	940.4	1145.2	1239.5	1258.4	1258.4
62.5°	214.3	213.3	219.6	231.7	260.1	339.6	453.4	616.0	745.5	836.1	859.8
65°	193.8	193.3	196.4	200.6	202.7	213.8	239.0	289.1	331.2	355.4	351.2
67.5°	169.5	169.0	170.1	172.7	176.4	182.2	188.5	199.1	213.8	212.7	210.1
70°	136.9	136.9	138.5	140.6	144.8	151.6	159.0	166.3	179.0	181.7	181.2
72.5°	101.1	99.5	102.7	106.9	111.1	119.5	127.4	134.3	143.2	145.8	144.8
75°	64.3	65.3	67.4	72.2	79.5	85.3	93.7	99.5	105.3	107.4	107.9
77.5°	35.8	36.8	40.5	46.3	53.7	60.0	67.4	72.2	75.9	76.4	76.9
80°	21.6	22.1	25.8	31.0	37.4	44.2	50.0	54.7	57.9	56.3	55.8
82.5°	13.2	13.7	16.8	21.6	26.8	32.1	38.4	42.6	45.8	43.7	41.6
85°	6.8	7.4	10.0	13.2	17.4	20.0	20.0	17.9	17.4	16.3	15.8
87.5°	2.1	2.1	2.6	3.2	2.6	3.2	3.7	4.2	4.2	4.7	4.2
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)