

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: P653743

Luminaire Tested: **GLAN-SA3A-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6890.3 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

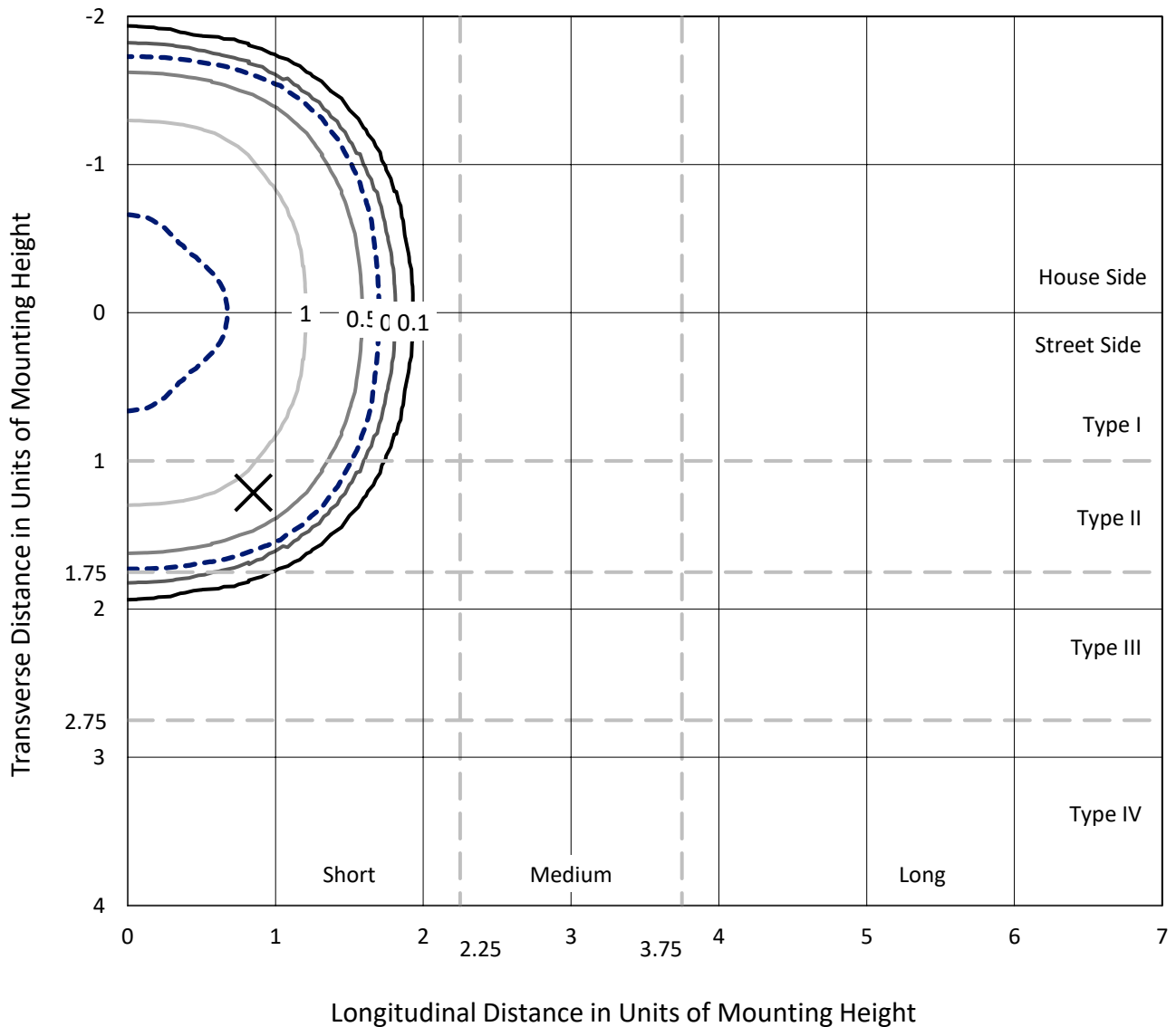
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

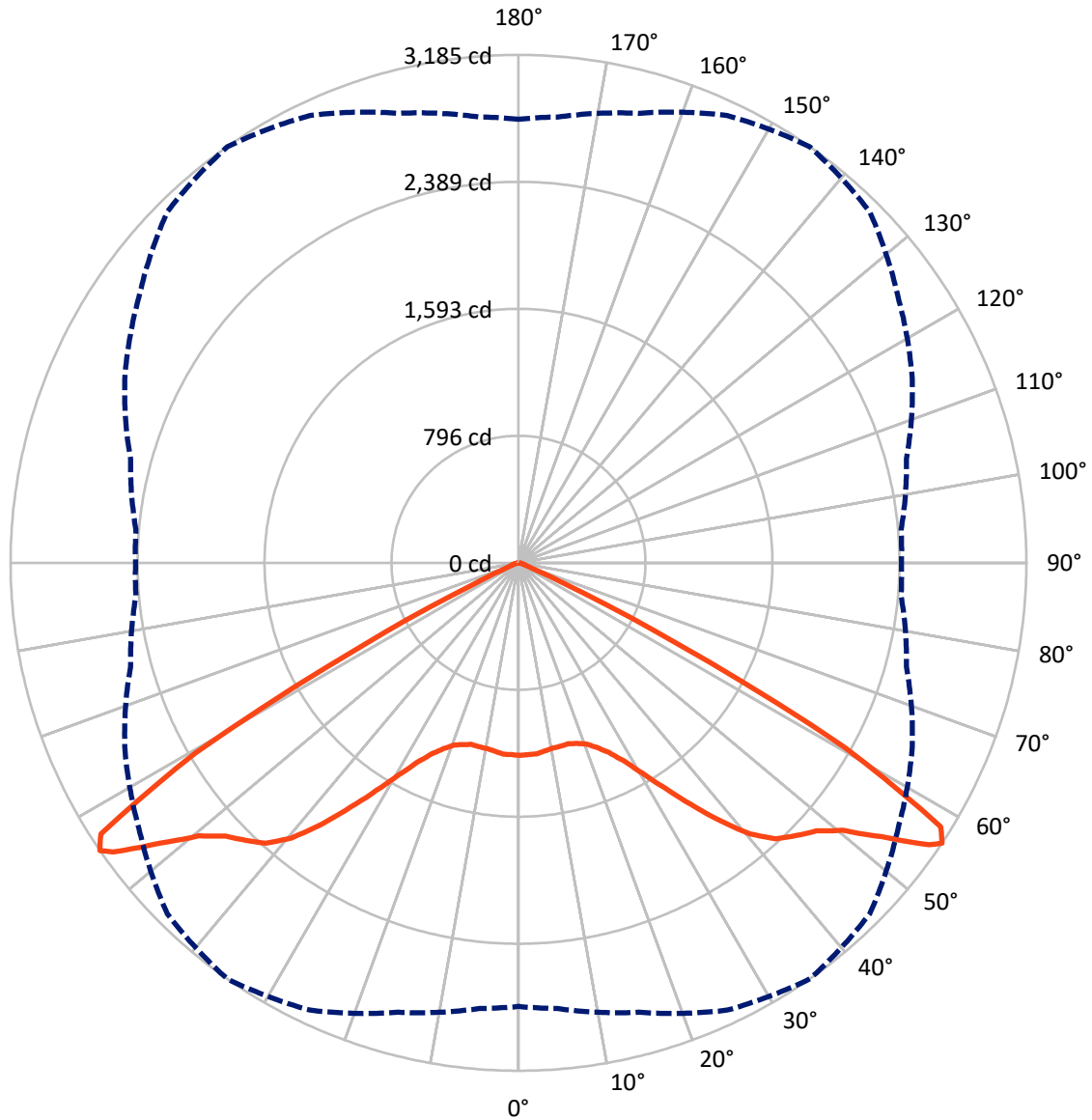
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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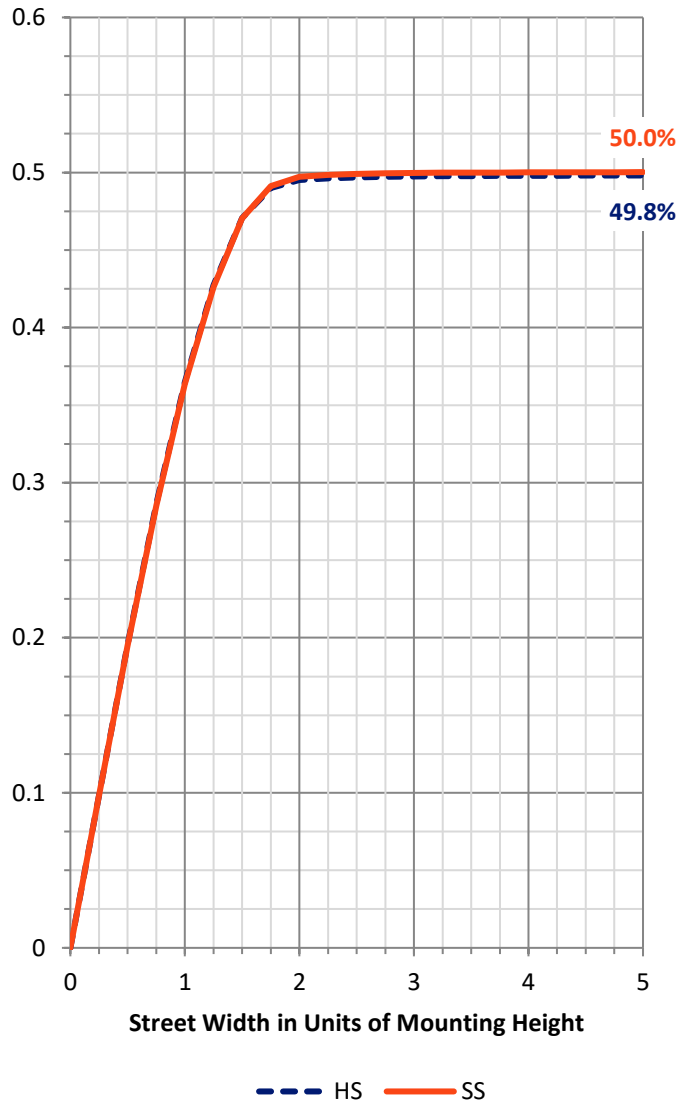
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3445.2	0.0	3445.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3445.2	0.0	3445.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6890.3	0.0	6890.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	1.6
10°-20°	331.3	4.8
20°-30°	599.9	8.7
30°-40°	1112.4	16.1
40°-50°	1826.0	26.5
50°-60°	2352.4	34.1
60°-70°	518.4	7.5
70°-80°	30.1	0.4
80°-90°	6.3	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°	6890.3	100.0
0°-180°	6890.3	100.0

Coefficient of Utilization

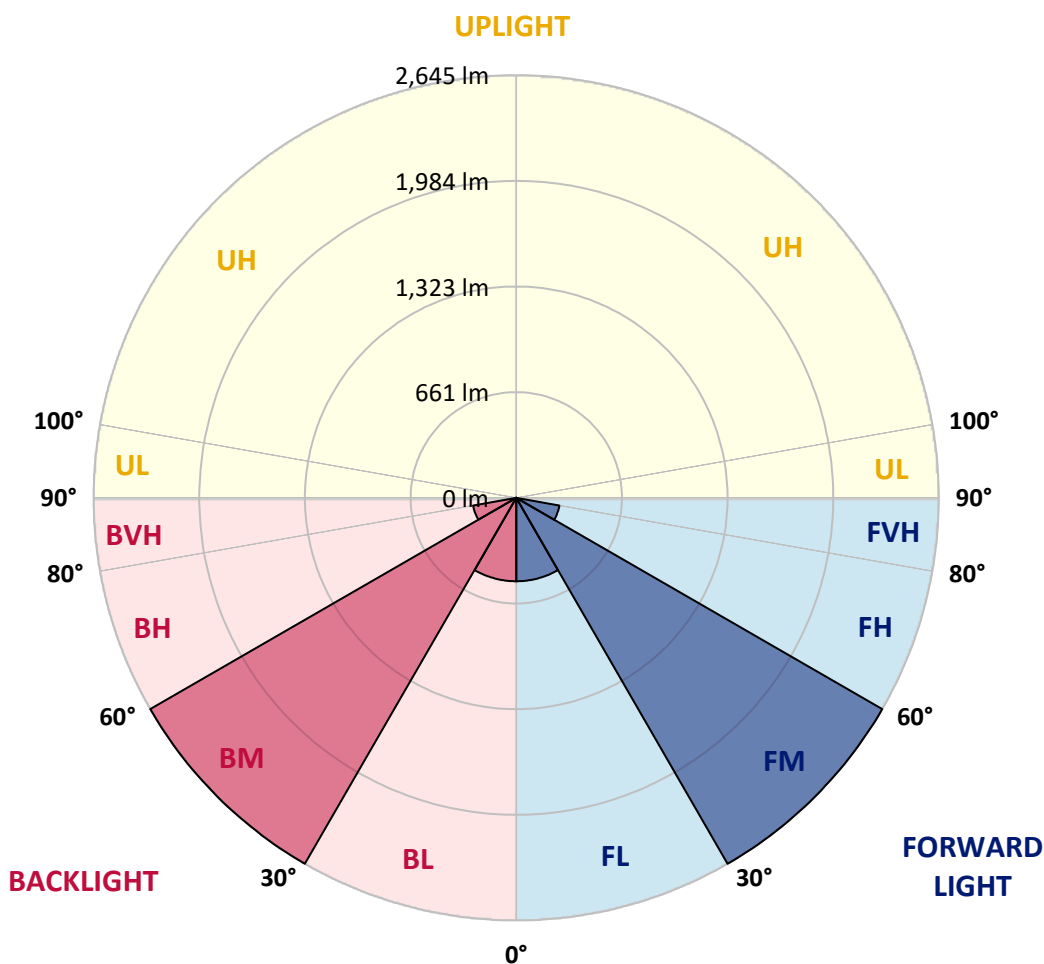


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.3	7.6			
FM (30°-60°)	2645.4	38.4			
FH (60°-80°)	274.3	4.0			G0/660
FVH (80°-90°)	3.2	0.0			G0/10
BL (0°-30°)	522.3	7.6	B2/1000		
BM (30°-60°)	2645.4	38.4	B3/5000		
BH (60°-80°)	274.3	4.0	B1/500		G0/660
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3	1207.3
2.5°	1209.9	1209.9	1211.0	1212.3	1203.6	1199.9	1201.1	1198.6	1197.3	1201.1	1201.1
5°	1206.1	1206.1	1202.4	1203.6	1203.6	1192.4	1192.4	1194.8	1194.8	1187.3	1184.9
7.5°	1196.1	1193.6	1188.6	1194.8	1191.1	1191.1	1182.4	1176.1	1173.6	1178.6	1173.6
10°	1174.9	1176.1	1181.1	1183.6	1181.1	1188.6	1173.6	1164.9	1156.1	1152.4	1152.4
12.5°	1164.9	1172.4	1164.9	1171.1	1179.8	1173.6	1164.9	1158.6	1146.1	1141.2	1141.2
15°	1163.6	1168.7	1171.1	1179.8	1176.1	1178.6	1161.2	1153.7	1134.9	1126.2	1122.4
17.5°	1162.3	1168.7	1172.4	1188.6	1191.1	1192.4	1178.6	1156.1	1139.9	1131.1	1122.4
20°	1176.1	1178.6	1186.1	1202.4	1212.3	1229.8	1204.8	1181.1	1146.1	1136.2	1132.4
22.5°	1193.6	1206.1	1213.6	1231.1	1257.3	1272.3	1239.8	1209.9	1173.6	1161.2	1146.1
25°	1249.8	1247.3	1259.7	1296.0	1317.2	1328.4	1302.2	1258.6	1211.0	1196.1	1198.6
27.5°	1319.7	1322.2	1333.4	1373.4	1404.6	1422.0	1390.8	1333.4	1287.2	1262.3	1259.7
30°	1410.9	1408.3	1420.9	1474.5	1530.7	1556.9	1502.0	1434.6	1389.6	1357.1	1364.6
32.5°	1507.0	1508.2	1543.2	1591.8	1683.0	1734.2	1645.6	1563.2	1495.7	1473.3	1462.0
35°	1649.3	1655.6	1683.0	1757.9	1859.0	1925.2	1827.8	1729.2	1651.8	1610.6	1615.6
37.5°	1825.4	1819.1	1865.3	1946.5	2052.6	2101.2	2018.9	1906.5	1827.8	1800.4	1817.8
40°	2012.6	2018.9	2042.6	2116.3	2234.9	2267.3	2145.0	2083.8	2015.1	2001.4	2022.6
42.5°	2199.9	2196.2	2213.7	2279.8	2366.0	2343.5	2271.1	2234.9	2186.2	2158.7	2187.4
45°	2337.2	2331.0	2363.5	2408.5	2439.7	2397.2	2364.7	2352.3	2327.3	2297.3	2323.5
47.5°	2470.9	2465.8	2497.1	2509.5	2512.1	2455.9	2462.1	2484.6	2422.2	2359.8	2389.7
50°	2584.5	2575.7	2614.4	2641.9	2635.7	2545.8	2568.2	2545.8	2448.4	2374.7	2363.5
52.5°	2774.2	2778.0	2819.2	2869.2	2854.2	2779.3	2746.8	2644.4	2519.6	2453.4	2414.7
55°	2894.1	2875.4	2946.5	3105.1	3122.5	3045.2	2901.6	2750.5	2563.2	2482.0	2472.1
56°	2781.7	2805.5	2917.8	3095.1	3185.0	3113.8	2905.3	2724.3	2518.3	2408.5	2400.9
57.5°	2495.8	2483.3	2635.7	2877.9	3122.5	3092.6	2803.0	2537.0	2297.3	2173.7	2158.7
60°	1553.2	1589.4	1723.0	2022.6	2349.8	2364.7	2077.5	1849.1	1569.4	1459.6	1485.8
62.5°	608.0	576.8	660.4	884.0	1108.7	1158.6	1050.0	872.7	716.6	608.0	600.6
65°	141.1	137.3	154.8	213.5	298.4	345.8	328.3	236.0	173.6	164.8	152.3
67.5°	79.9	79.9	76.2	76.2	83.7	88.6	84.9	83.7	87.4	91.2	89.9
70°	56.2	54.9	52.5	53.7	51.2	51.2	54.9	61.1	66.2	66.2	67.4
72.5°	33.7	33.7	33.7	37.4	37.4	37.4	41.2	46.2	47.4	46.2	44.9
75°	15.0	15.0	17.5	21.2	23.7	25.0	28.7	31.2	33.7	31.2	28.7
77.5°	3.8	3.8	6.2	8.7	11.3	13.7	18.8	22.5	23.7	22.5	18.8
80°	1.3	1.3	2.5	6.2	11.3	13.7	18.8	20.0	21.2	18.8	15.0
82.5°	1.3	1.3	2.5	6.2	8.7	11.3	15.0	17.5	18.8	16.2	15.0
85°	0.0	1.3	2.5	5.0	7.5	10.0	10.0	7.5	6.2	3.8	5.0
87.5°	0.0	0.0	1.3	1.3	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)