

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: P527909

Luminaire Tested: **GLAN-SA3A-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527909
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-727-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 6852 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

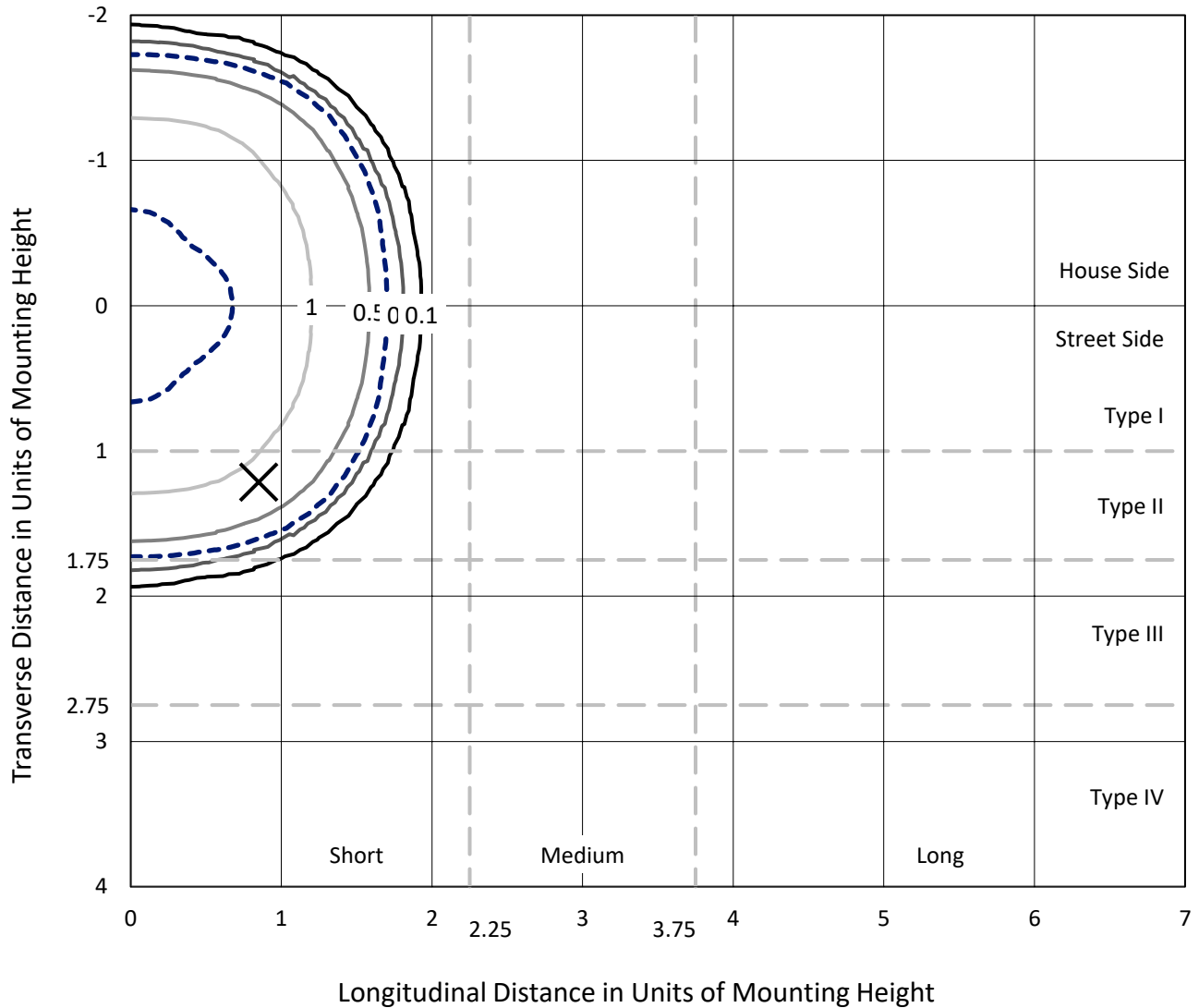
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

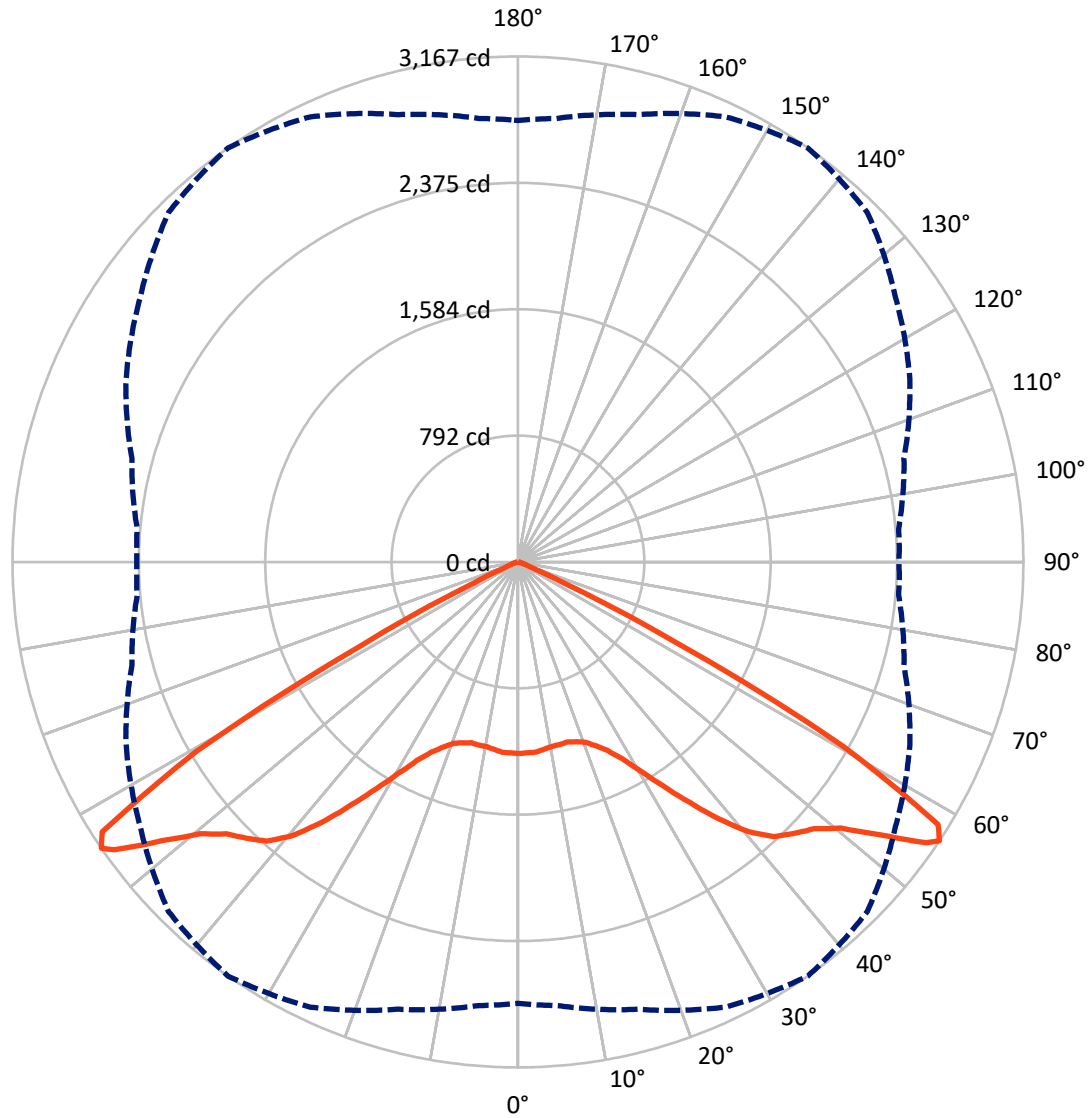
× Max cd
 - - - 1/2 Max cd



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	3426.0	0.0	3426.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3426.0	0.0	3426.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6852.0	0.0	6852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	1.6
10°-20°	329.4	4.8
20°-30°	596.6	8.7
30°-40°	1106.2	16.1
40°-50°	1815.8	26.5
50°-60°	2339.3	34.1
60°-70°	515.6	7.5
70°-80°	29.9	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°	6852.0	100.0
0°-180°	6852.0	100.0

Coefficient of Utilization

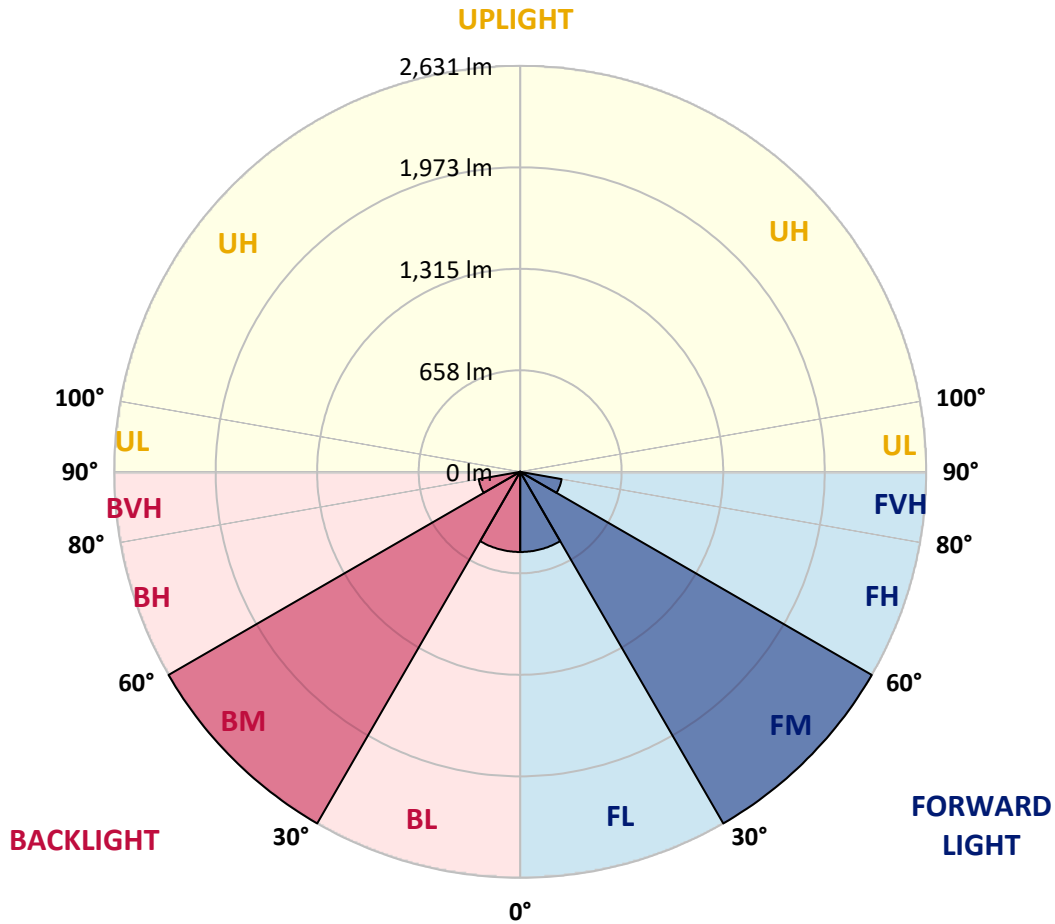


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.4	7.6			
FM (30°-60°)	2630.7	38.4			
FH (60°-80°)	272.7	4.0			G0/660
FVH (80°-90°)	3.1	0.0			G0/10
BL (0°-30°)	519.4	7.6	B2/1000		
BM (30°-60°)	2630.7	38.4	B3/5000		
BH (60°-80°)	272.7	4.0	B1/500		G0/660
BVH (80°-90°)	3.1	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°	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6	1200.6
2.5°	1203.1	1203.1	1204.3	1205.6	1196.9	1193.2	1194.4	1191.9	1190.7	1194.4	1194.4
5°	1199.4	1199.4	1195.7	1196.9	1196.9	1185.7	1185.7	1188.2	1188.2	1180.8	1178.3
7.5°	1189.4	1187.0	1182.0	1188.2	1184.5	1184.5	1175.8	1169.6	1167.1	1172.1	1167.1
10°	1168.3	1169.6	1174.5	1177.0	1174.5	1182.0	1167.1	1158.4	1149.7	1146.0	1146.0
12.5°	1158.4	1165.9	1158.4	1164.6	1173.3	1167.1	1158.4	1152.2	1139.8	1134.8	1134.8
15°	1157.2	1162.1	1164.6	1173.3	1169.6	1172.1	1154.7	1147.2	1128.6	1119.9	1116.2
17.5°	1155.9	1162.1	1165.9	1182.0	1184.5	1185.7	1172.1	1149.7	1133.6	1124.9	1116.2
20°	1169.6	1172.1	1179.5	1195.7	1205.6	1223.0	1198.1	1174.5	1139.8	1129.8	1126.1
22.5°	1187.0	1199.4	1206.8	1224.2	1250.3	1265.2	1232.9	1203.1	1167.1	1154.7	1139.8
25°	1242.8	1240.3	1252.8	1288.8	1309.9	1321.1	1295.0	1251.5	1204.3	1189.4	1191.9
27.5°	1312.4	1314.8	1326.0	1365.7	1396.8	1414.2	1383.1	1326.0	1280.1	1255.2	1252.8
30°	1403.0	1400.5	1412.9	1466.3	1522.2	1548.3	1493.6	1426.6	1381.9	1349.6	1357.1
32.5°	1498.6	1499.8	1534.6	1583.0	1673.7	1724.6	1636.4	1554.5	1487.4	1465.1	1453.9
35°	1640.1	1646.3	1673.7	1748.2	1848.7	1914.5	1817.7	1719.6	1642.6	1601.7	1606.6
37.5°	1815.2	1809.0	1854.9	1935.6	2041.2	2089.6	2007.7	1895.9	1817.7	1790.4	1807.8
40°	2001.4	2007.7	2031.2	2104.5	2222.4	2254.7	2133.1	2072.2	2003.9	1990.3	2011.4
42.5°	2187.7	2184.0	2201.3	2267.1	2352.8	2330.5	2258.5	2222.4	2174.0	2146.7	2175.3
45°	2324.3	2318.0	2350.3	2395.0	2426.1	2383.9	2351.6	2339.2	2314.3	2284.5	2310.6
47.5°	2457.1	2452.1	2483.2	2495.6	2498.1	2442.2	2448.4	2470.8	2408.7	2346.6	2376.4
50°	2570.1	2561.4	2599.9	2627.2	2621.0	2531.6	2554.0	2531.6	2434.8	2361.5	2350.3
52.5°	2758.8	2762.5	2803.5	2853.2	2838.3	2763.8	2731.5	2629.7	2505.5	2439.7	2401.2
55°	2878.0	2859.4	2930.2	3087.8	3105.2	3028.2	2885.5	2735.2	2549.0	2468.3	2458.3
56°	2766.3	2789.9	2901.6	3077.9	3167.3	3096.5	2889.2	2709.1	2504.3	2395.0	2387.6
57.5°	2481.9	2469.5	2621.0	2861.9	3105.2	3075.4	2787.4	2522.9	2284.5	2161.6	2146.7
60°	1544.5	1580.5	1713.4	2011.4	2336.7	2351.6	2066.0	1838.8	1560.7	1451.4	1477.5
62.5°	604.7	573.6	656.8	879.0	1102.5	1152.2	1044.2	867.9	712.7	604.7	597.2
65°	140.3	136.6	154.0	212.3	296.7	343.9	326.5	234.7	172.6	163.9	151.5
67.5°	79.5	79.5	75.7	75.7	83.2	88.2	84.4	83.2	86.9	90.6	89.4
70°	55.9	54.6	52.1	53.4	50.9	50.9	54.6	60.8	65.8	65.8	67.0
72.5°	33.5	33.5	33.5	37.2	37.2	37.2	41.0	45.9	47.2	45.9	44.7
75°	14.9	14.9	17.4	21.1	23.6	24.8	28.6	31.0	33.5	31.0	28.6
77.5°	3.7	3.7	6.2	8.7	11.2	13.7	18.6	22.3	23.6	22.3	18.6
80°	1.2	1.2	2.5	6.2	11.2	13.7	18.6	19.9	21.1	18.6	14.9
82.5°	1.2	1.2	2.5	6.2	8.7	11.2	14.9	17.4	18.6	16.1	14.9
85°	0.0	1.2	2.5	5.0	7.4	9.9	9.9	7.4	6.2	3.7	5.0
87.5°	0.0	0.0	1.2	1.2	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)