

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: P847151

Luminaire Tested: **GLAN-SB3A-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12107 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

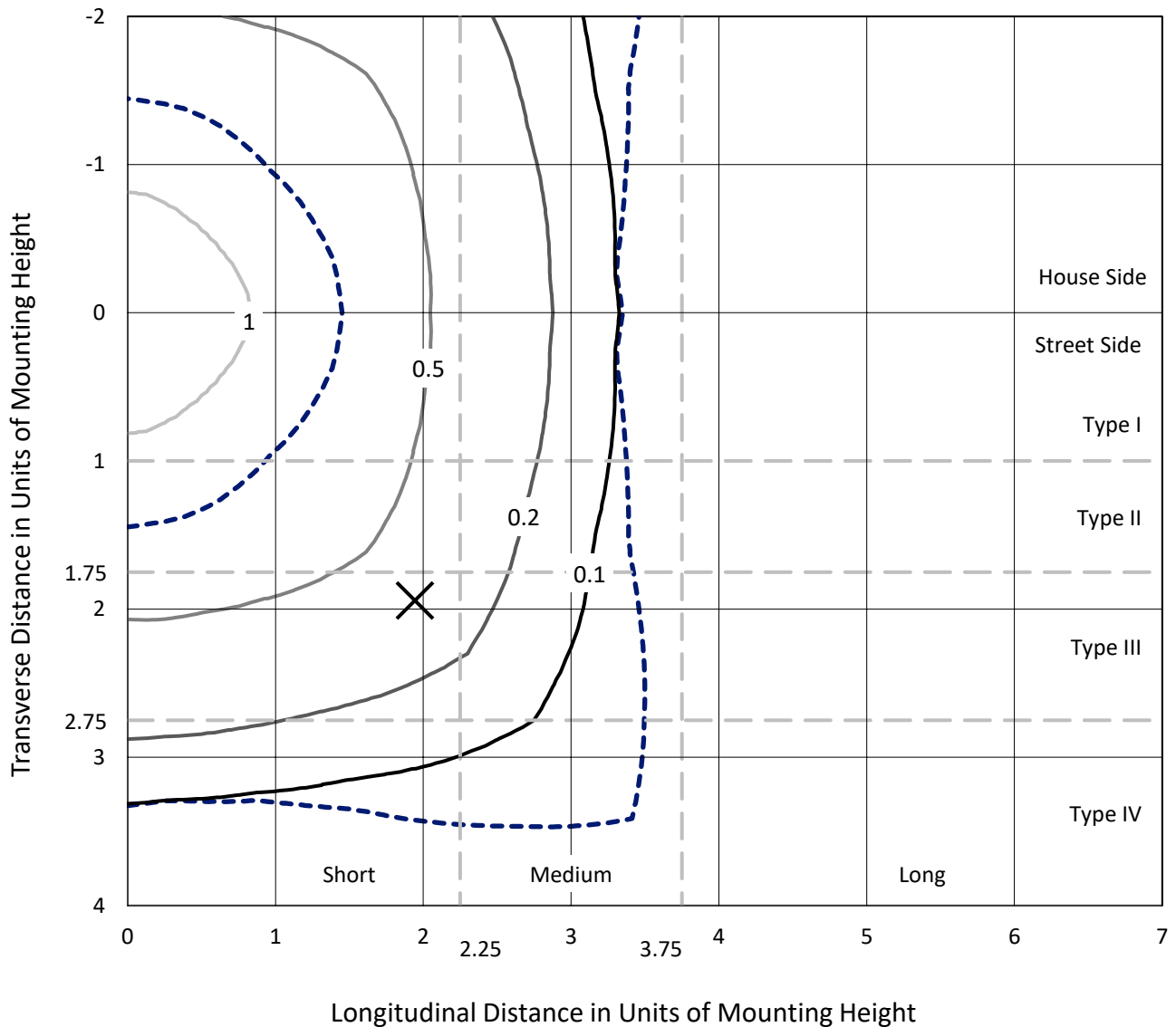
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

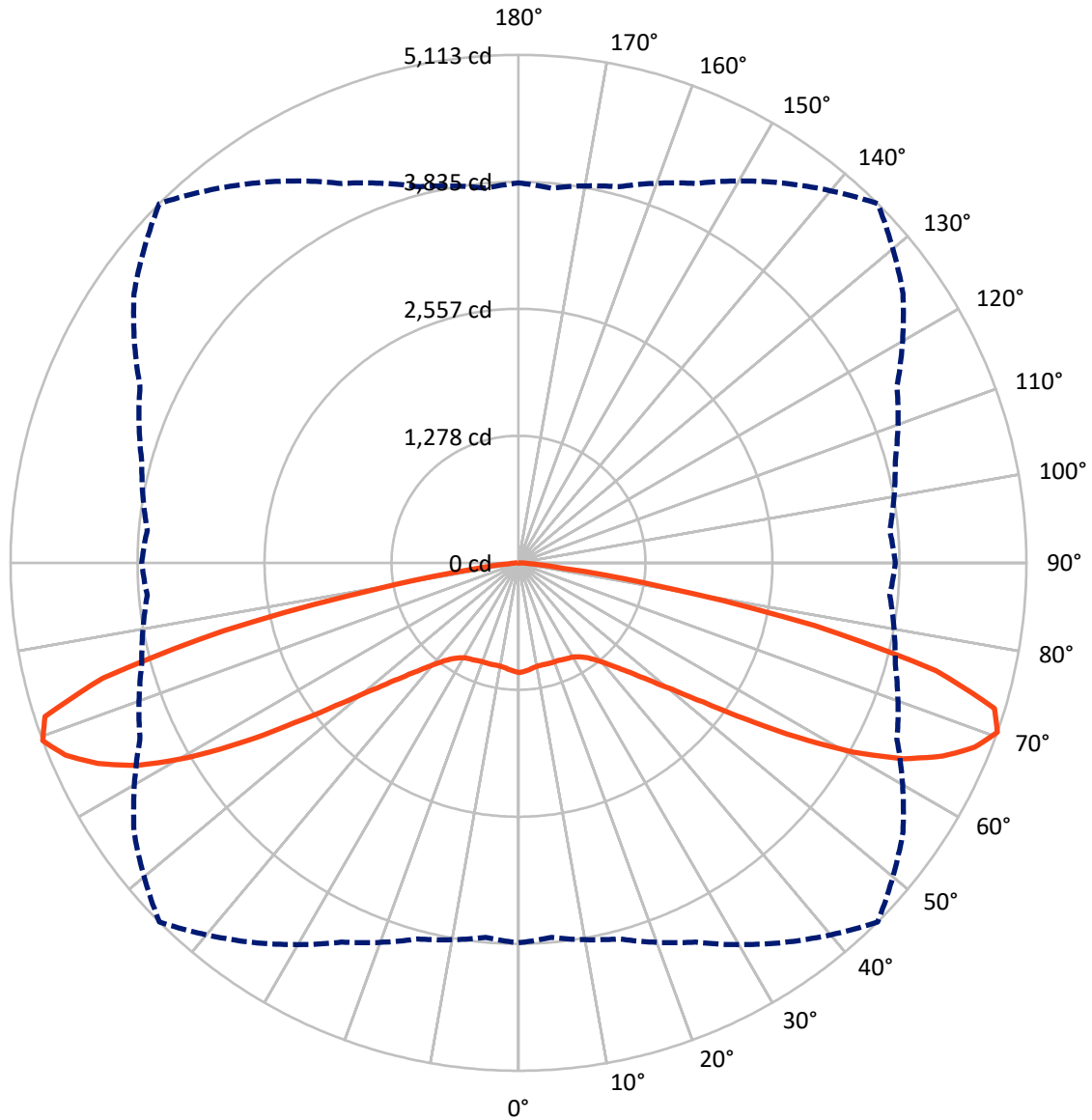
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6053.5	0.0	6053.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6053.5	0.0	6053.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12107.0	0.0	12107.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	0.8
10°-20°	301.7	2.5
20°-30°	502.0	4.1
30°-40°	759.2	6.3
40°-50°	1261.6	10.4
50°-60°	2380.5	19.7
60°-70°	4019.6	33.2
70°-80°	2641.3	21.8
80°-90°	138.4	1.1
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°	12107.0	100.0
0°-180°	12107.0	100.0

Coefficient of Utilization



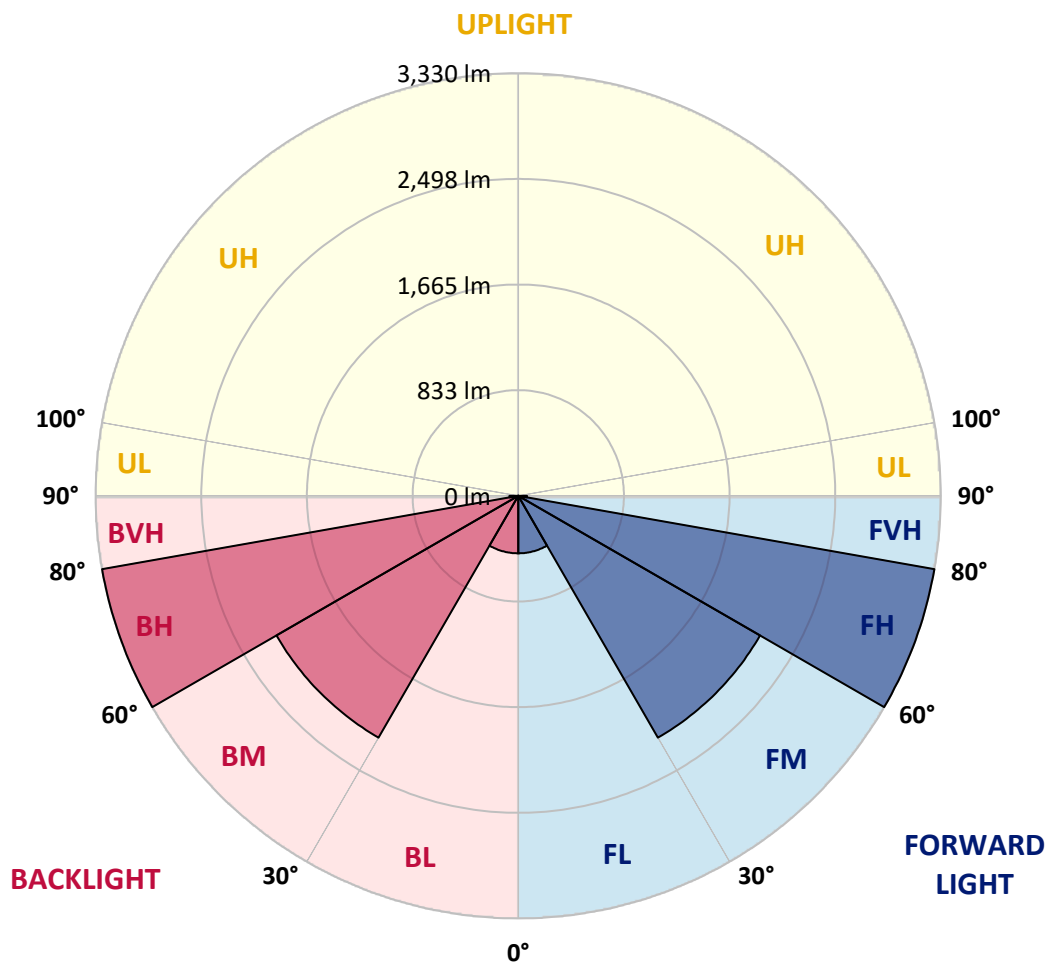
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.2	3.7			
FM (30°-60°)	2200.6	18.2			
FH (60°-80°)	3330.5	27.5			G2/5000
FVH (80°-90°)	69.2	0.6			G1/100
BL (0°-30°)	453.2	3.7	B1/500		
BM (30°-60°)	2200.6	18.2	B2/2500		
BH (60°-80°)	3330.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	69.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4	1104.4
2.5°	1097.5	1100.6	1099.4	1096.9	1096.9	1095.0	1096.9	1098.1	1100.0	1101.3
5°	1083.0	1085.5	1084.9	1083.0	1083.6	1081.7	1083.0	1084.9	1086.2	1086.8
7.5°	1070.4	1072.9	1071.7	1068.5	1068.5	1066.6	1067.3	1069.2	1071.0	1071.7
10°	1067.3	1069.8	1066.0	1061.0	1059.1	1056.6	1057.2	1059.1	1062.9	1064.8
12.5°	1068.5	1070.4	1066.6	1059.1	1057.2	1054.7	1054.7	1056.6	1061.6	1064.1
15°	1072.3	1074.2	1068.5	1060.4	1058.5	1056.6	1055.9	1058.5	1064.1	1068.5
17.5°	1079.2	1081.1	1072.3	1061.0	1058.5	1059.1	1058.5	1060.4	1069.2	1077.3
20°	1085.5	1086.8	1074.8	1061.0	1058.5	1059.1	1058.5	1062.2	1073.6	1084.9
22.5°	1087.4	1088.7	1077.3	1065.4	1063.5	1064.1	1063.5	1067.3	1078.0	1089.3
25°	1088.0	1089.9	1081.1	1071.7	1074.8	1076.1	1074.8	1075.5	1083.6	1093.7
27.5°	1097.5	1100.0	1091.8	1083.6	1085.5	1084.9	1086.8	1088.7	1095.0	1105.0
30°	1117.0	1118.9	1112.0	1103.8	1102.5	1098.1	1103.8	1110.1	1117.0	1125.8
32.5°	1149.1	1152.9	1144.0	1135.2	1129.6	1127.1	1131.5	1142.2	1151.6	1161.0
35°	1202.6	1205.1	1196.9	1180.5	1170.5	1170.5	1174.3	1188.1	1203.2	1215.2
37.5°	1278.1	1281.2	1266.8	1247.3	1232.1	1232.1	1237.2	1251.7	1274.3	1291.3
40°	1370.0	1374.4	1356.1	1336.0	1321.5	1319.0	1325.3	1341.6	1363.0	1384.4
42.5°	1480.7	1485.8	1461.8	1444.2	1432.9	1432.9	1436.0	1451.1	1470.6	1497.1
45°	1622.3	1631.1	1598.4	1580.8	1570.1	1572.6	1574.5	1587.7	1605.3	1635.5
47.5°	1791.0	1799.8	1765.2	1746.9	1745.0	1757.0	1749.4	1758.9	1768.3	1802.9
50°	1982.3	1997.4	1973.5	1972.2	1976.0	1998.0	1980.4	1985.4	1974.7	1996.7
52.5°	2216.4	2238.4	2234.0	2241.5	2283.7	2329.0	2288.7	2271.1	2230.8	2237.8
55°	2500.2	2533.5	2539.8	2585.1	2680.8	2773.3	2687.7	2616.6	2531.0	2515.3
57.5°	2823.0	2849.4	2879.6	2972.1	3150.8	3315.1	3150.8	2993.5	2858.9	2826.8
60°	3170.4	3203.1	3232.0	3368.6	3634.1	3865.1	3629.1	3379.3	3201.2	3157.8
62.5°	3543.5	3585.7	3605.8	3757.5	4067.1	4342.7	4071.5	3768.8	3571.2	3524.6
65°	3901.6	3936.2	3958.9	4120.6	4416.4	4692.6	4436.5	4138.2	3934.9	3873.9
67.5°	4068.4	4087.2	4142.6	4325.7	4637.9	4953.1	4690.7	4345.2	4118.1	4011.1
70°	3824.2	3785.8	3919.2	4212.5	4664.3	5113.0	4724.7	4203.7	3925.5	3751.8
72.5°	2955.1	2889.1	3120.6	3622.2	4362.2	5011.0	4392.4	3650.5	3264.8	2912.3
75°	1607.8	1532.9	1852.6	2487.0	3478.7	4343.4	3558.6	2558.1	2062.8	1595.9
77.5°	453.7	425.4	683.4	1203.2	2092.4	3049.5	2172.9	1229.6	810.5	480.8
80°	139.1	134.7	182.5	362.5	888.6	1460.6	853.9	366.9	232.2	146.6
82.5°	82.4	75.5	90.6	132.2	226.5	458.8	220.3	137.8	110.8	74.3
85°	47.2	44.1	53.5	64.2	76.1	97.5	63.6	65.4	59.2	39.6
87.5°	19.5	17.6	20.8	20.1	17.6	22.7	17.0	20.1	23.9	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1104.4
1100.6
1086.8
1071.7
1064.8
1064.8
1069.2
1077.3
1085.5
1089.3
1093.1
1102.5
1123.9
1157.3
1210.8
1285.0
1377.5
1495.2
1634.3
1792.8
1983.5
2214.5
2490.7
2804.1
3120.0
3486.9
3843.7
4012.3
3793.4
2999.8
1699.7
534.3
154.8
80.5
41.5
14.5
0.0

OF REPORT)