

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: P526064

Luminaire Tested: **GLAN-SA1A-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3720 lumens
Efficiency: N/A
Efficacy: 112.7 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): 33
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



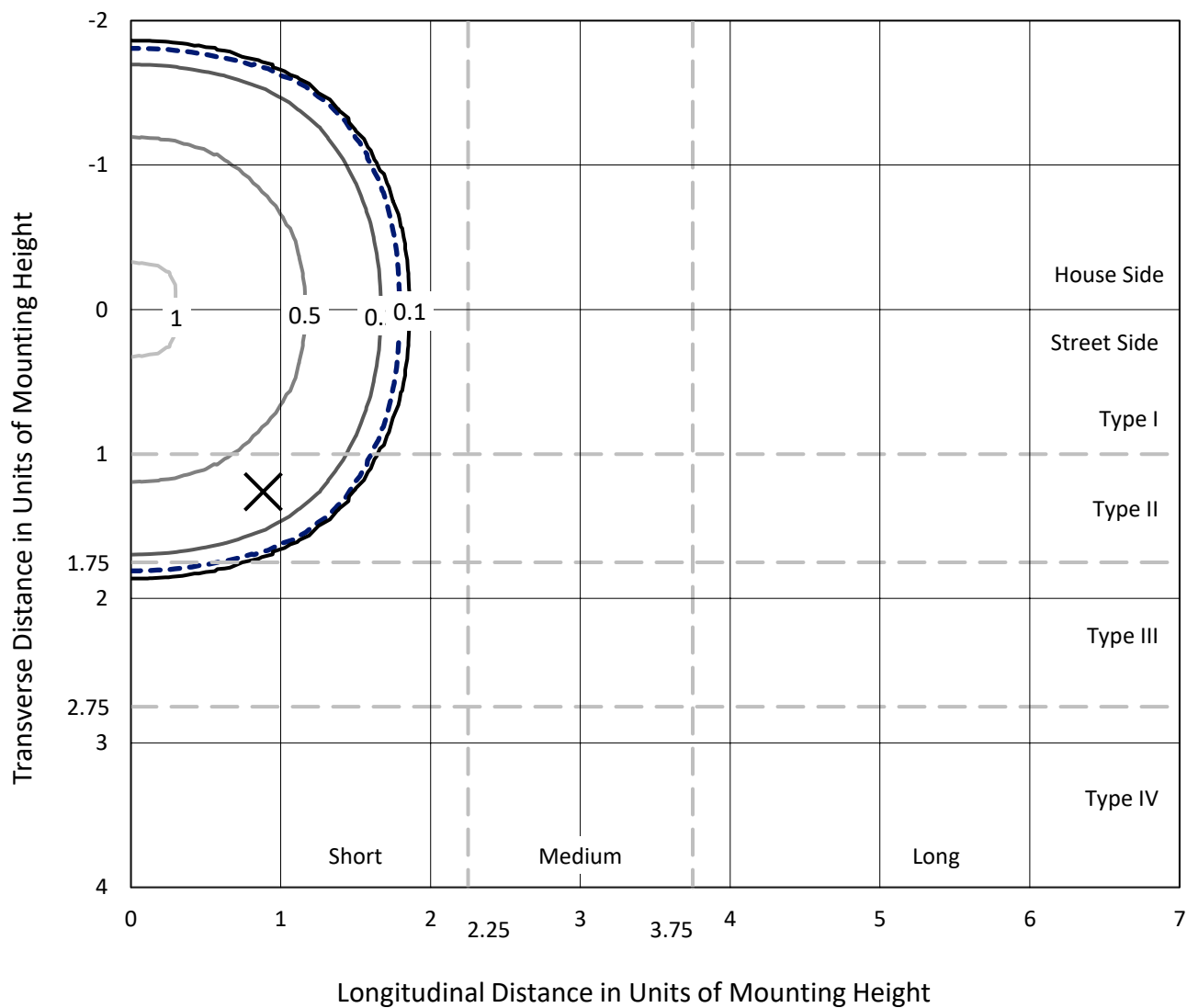
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

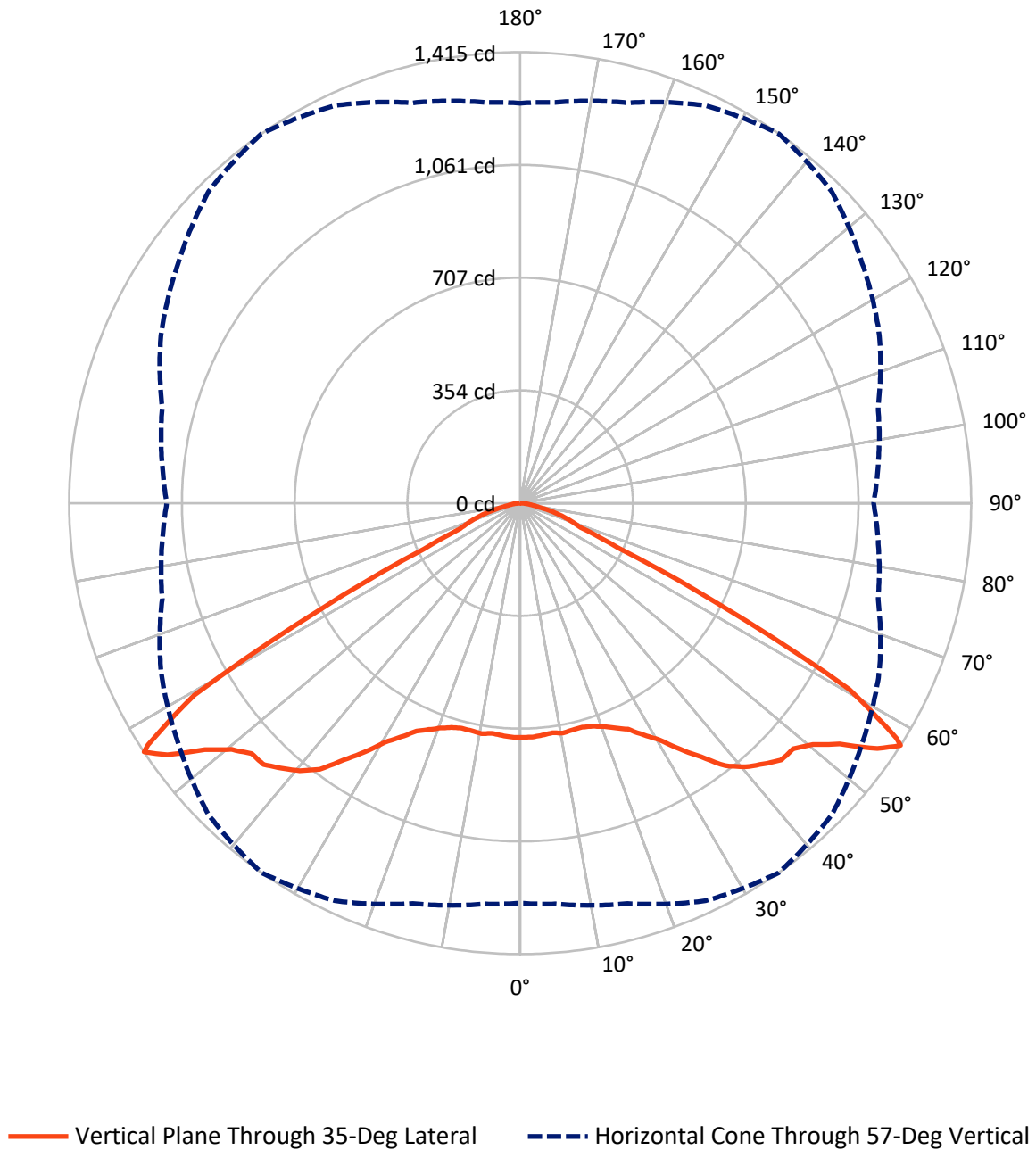


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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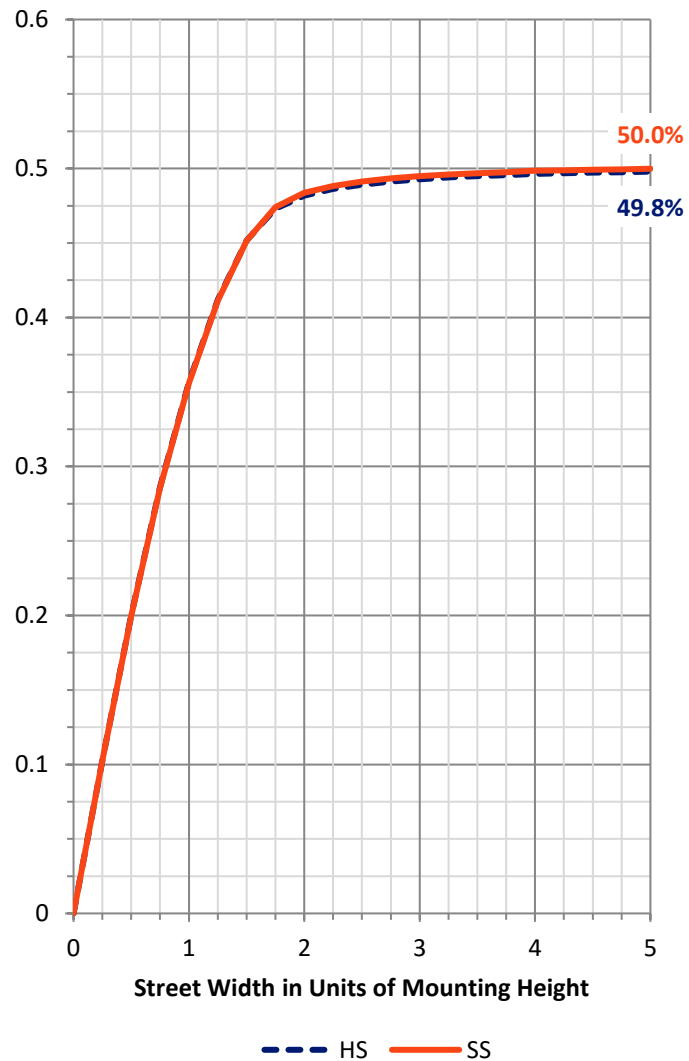
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1860.0	0.0	1860.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1860.0	0.0	1860.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3720.0	0.0	3720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.9
10°-20°	206.3	5.5
20°-30°	360.3	9.7
30°-40°	590.3	15.9
40°-50°	865.5	23.3
50°-60°	1090.2	29.3
60°-70°	410.0	11.0
70°-80°	109.0	2.9
80°-90°	18.7	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°	3720.0	100.0
0°-180°	3720.0	100.0

Coefficient of Utilization



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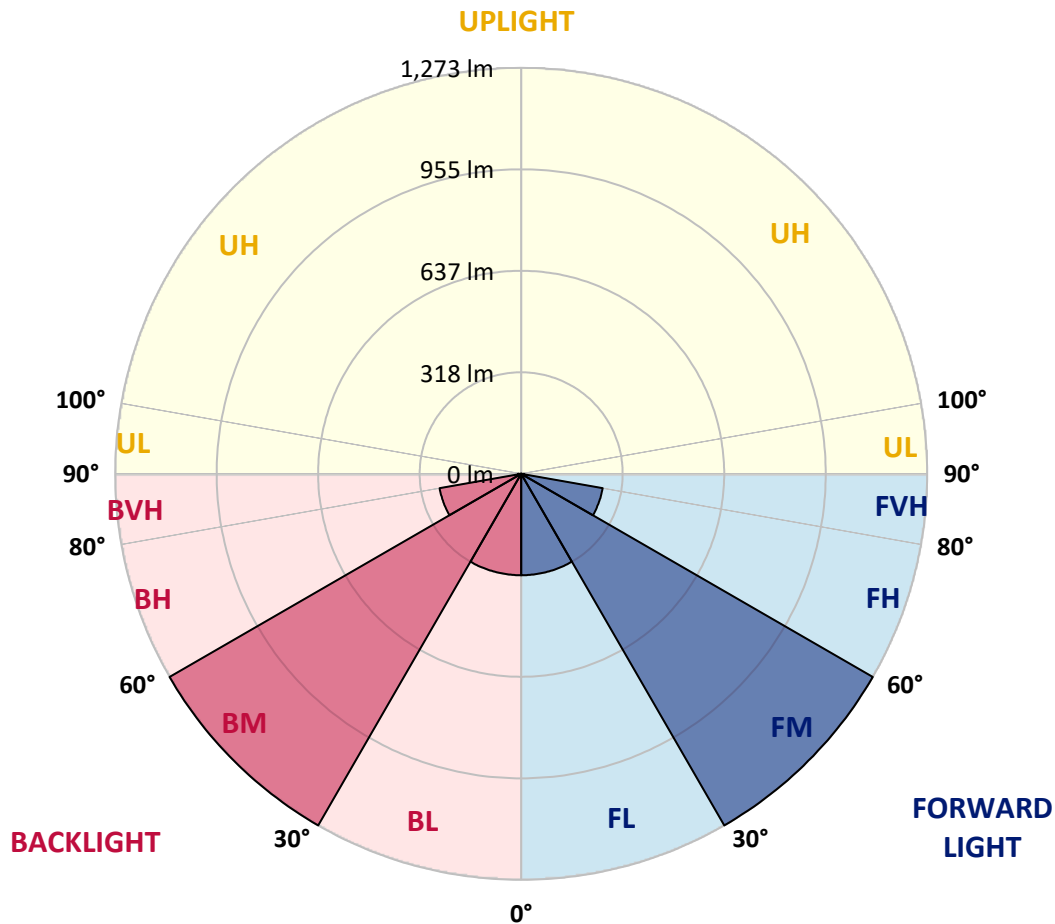
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.1	8.6			
FM	(30°-60°)	1273.0	34.2			
FH	(60°-80°)	259.5	7.0			G0/660
FVH	(80°-90°)	9.3	0.3			G0/10
BL	(0°-30°)	318.1	8.6	B1/500		
BM	(30°-60°)	1273.0	34.2	B2/2500		
BH	(60°-80°)	259.5	7.0	B1/500		G0/660
BVH	(80°-90°)	9.3	0.3			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°	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7	734.7
2.5°	731.0	738.3	735.1	733.3	734.7	732.4	728.7	732.8	731.9	728.3	726.9
5°	729.2	734.7	731.0	734.7	731.0	737.4	735.6	728.7	737.0	729.2	731.9
7.5°	727.8	729.6	730.5	728.7	727.3	735.1	731.0	727.8	723.2	721.8	724.1
10°	724.6	729.2	722.3	731.5	733.3	727.8	727.8	721.8	718.2	715.9	723.7
12.5°	732.8	725.0	724.1	728.7	730.1	732.4	726.0	722.8	715.9	716.8	715.4
15°	723.2	726.4	726.9	727.8	729.2	734.7	728.7	721.8	719.1	709.5	710.4
17.5°	726.9	723.7	726.9	737.4	735.6	739.7	733.3	722.8	716.3	710.8	718.2
20°	733.3	731.9	733.3	746.1	748.4	752.1	746.6	737.0	724.6	718.2	721.8
22.5°	740.2	739.3	740.2	752.5	765.8	770.4	764.9	742.5	736.0	724.1	720.0
25°	752.5	753.5	763.1	776.8	785.5	794.3	784.2	768.1	747.5	740.2	731.5
27.5°	780.0	782.3	787.8	808.0	823.1	830.9	816.7	794.7	781.9	766.8	764.5
30°	814.0	814.0	823.6	841.0	861.6	873.5	856.1	830.0	814.4	806.2	801.1
32.5°	858.9	853.8	857.5	888.2	920.3	930.4	907.0	874.9	850.2	839.2	835.5
35°	897.4	900.6	908.8	941.8	977.6	1001.0	964.3	922.6	897.4	887.3	885.5
37.5°	947.3	952.8	957.0	1002.3	1045.4	1054.1	1018.8	985.4	954.7	946.4	941.8
40°	1017.9	1014.2	1015.6	1049.1	1088.0	1093.5	1058.7	1034.9	1009.7	1004.6	1004.6
42.5°	1076.1	1072.0	1076.6	1088.9	1118.7	1114.6	1095.4	1077.9	1067.4	1061.9	1067.4
45°	1111.4	1110.5	1118.7	1127.9	1149.0	1135.2	1120.1	1122.9	1112.8	1103.6	1103.2
47.5°	1149.9	1143.9	1154.0	1167.8	1151.7	1145.3	1144.4	1150.4	1147.2	1131.1	1126.1
50°	1168.7	1166.4	1182.4	1198.5	1189.8	1175.1	1178.3	1187.9	1146.7	1125.2	1112.8
52.5°	1219.1	1219.6	1250.3	1259.0	1255.3	1233.8	1240.6	1214.5	1165.9	1135.7	1137.1
55°	1298.4	1295.2	1329.6	1355.2	1359.4	1331.9	1298.9	1262.2	1201.2	1170.5	1161.4
57°	1254.9	1262.2	1300.2	1376.3	1414.8	1382.3	1310.3	1243.4	1162.3	1125.2	1108.7
57.5°	1196.7	1208.6	1274.6	1351.1	1391.4	1388.7	1296.1	1208.6	1136.2	1078.4	1079.8
60°	876.7	879.0	938.6	1060.1	1186.1	1188.9	1076.1	960.2	879.5	816.7	825.4
62.5°	462.4	473.0	496.8	594.4	703.5	730.1	661.8	602.2	532.6	484.9	489.5
65°	244.7	243.4	254.8	282.3	335.9	349.7	340.5	293.3	269.0	261.2	261.7
67.5°	198.9	201.2	199.8	201.2	204.9	210.8	209.4	211.3	212.7	214.9	214.5
70°	168.7	168.7	169.6	170.0	170.0	172.8	176.0	181.9	182.4	184.7	185.6
72.5°	132.9	132.0	133.4	136.6	137.0	139.3	143.9	147.6	149.0	149.0	146.2
75°	90.3	91.2	93.0	95.8	98.5	102.7	106.3	108.6	109.5	108.2	106.8
77.5°	50.9	51.8	53.2	57.3	60.5	64.2	68.3	70.6	72.9	73.3	70.6
80°	30.2	30.2	32.5	35.7	39.4	43.1	46.7	49.5	50.4	50.4	49.0
82.5°	18.3	18.8	20.6	23.8	27.0	29.3	32.5	34.8	36.7	36.2	35.3
85°	9.6	9.6	11.5	14.2	16.5	18.8	18.8	17.4	16.5	14.2	13.3
87.5°	3.2	2.7	3.7	3.7	3.2	3.7	3.7	4.1	4.1	4.1	4.1
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)