

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: P526301

Luminaire Tested: **GLAN-SA1B-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2735 lumens
Efficiency: N/A
Efficacy: 62.2 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

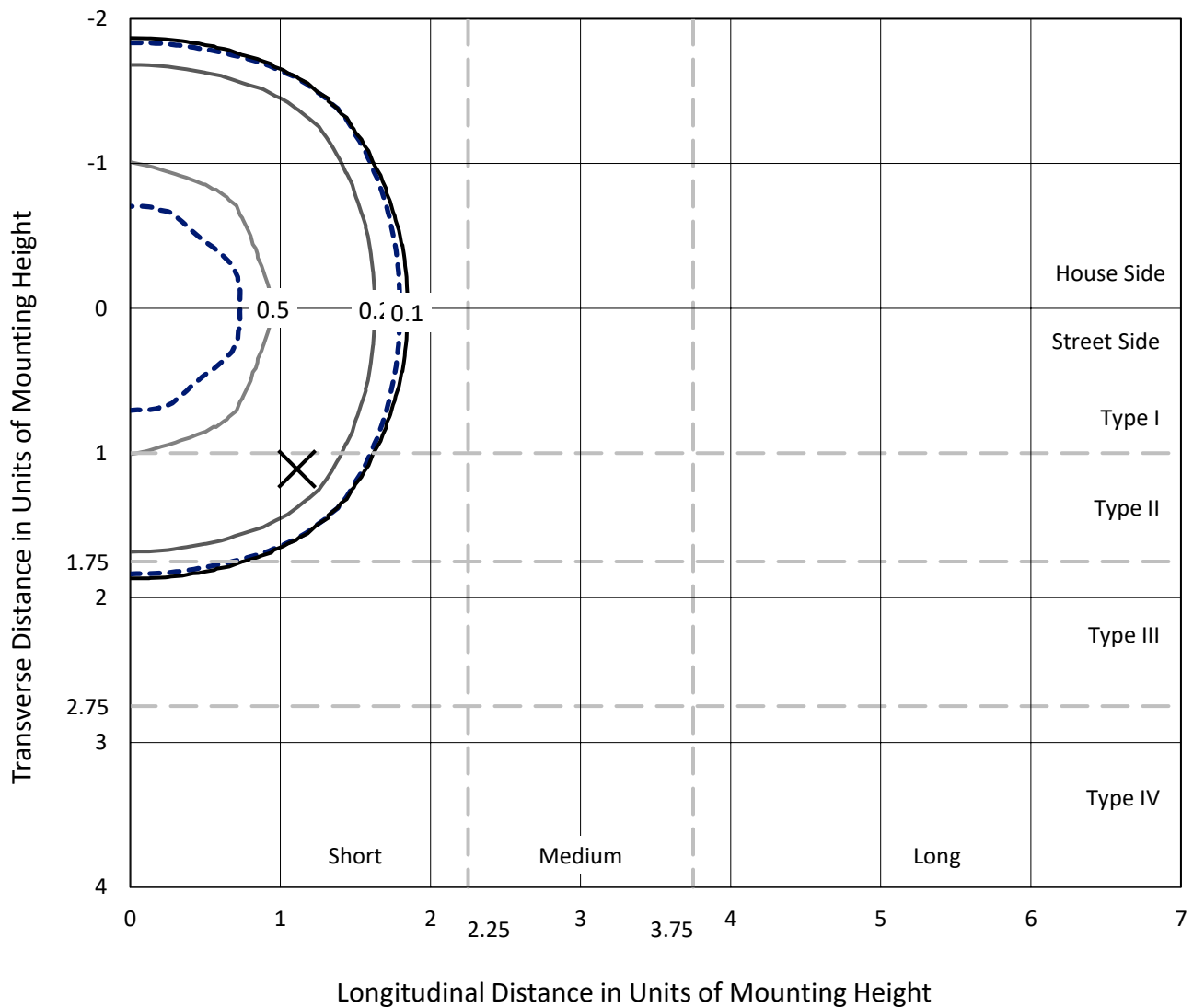


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Iso-Footcandle Lines of Horizontal Illumination

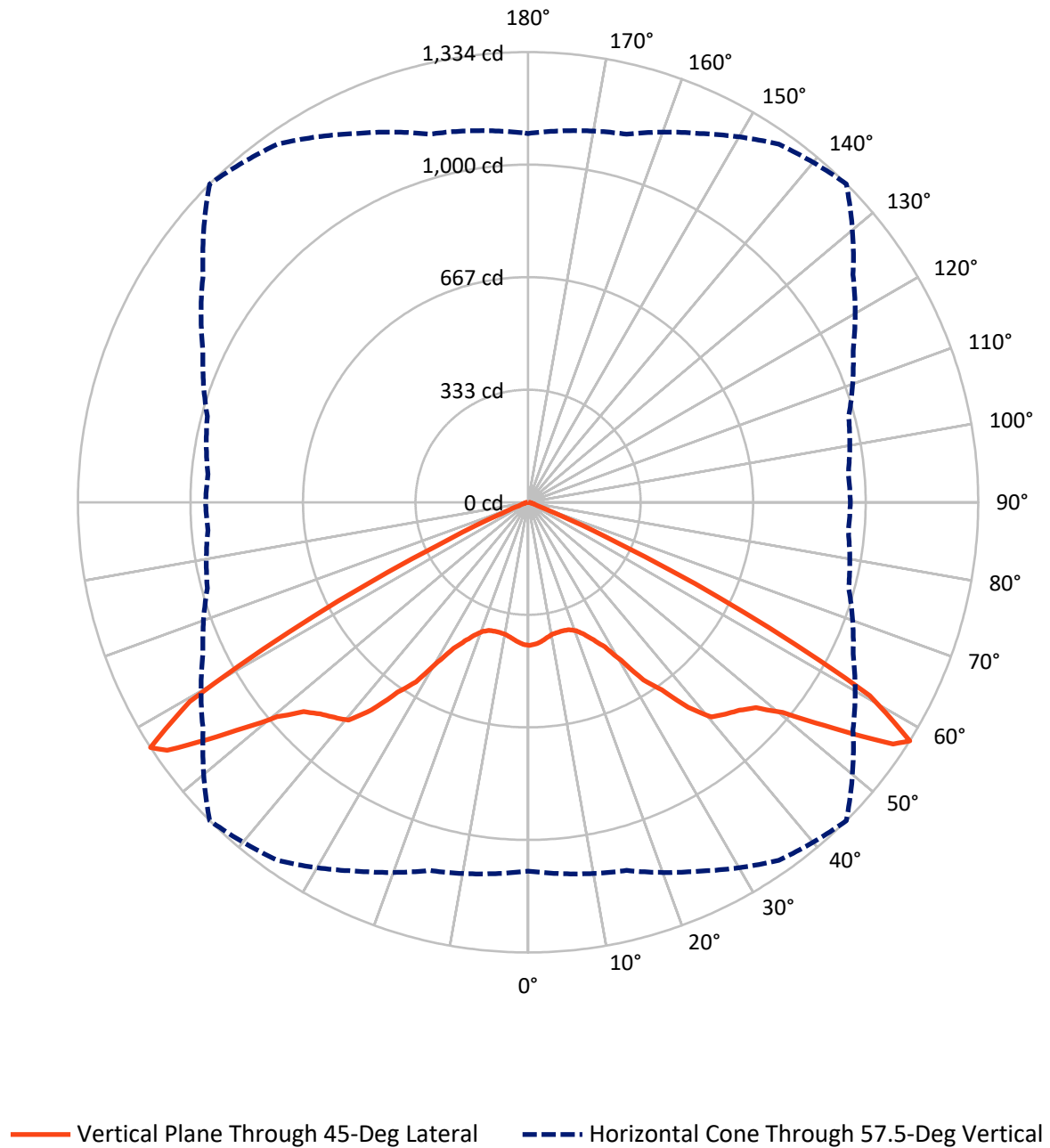
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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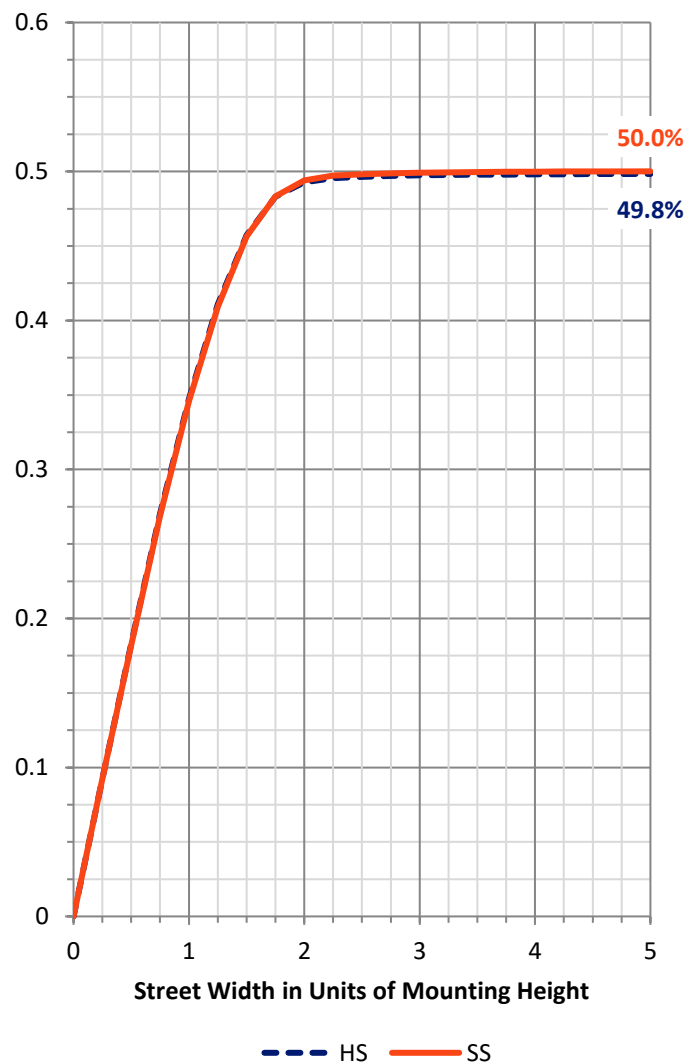
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1367.5	0.0	1367.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1367.5	0.0	1367.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2735.0	0.0	2735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.4
10°-20°	112.7	4.1
20°-30°	208.0	7.6
30°-40°	409.1	15.0
40°-50°	666.2	24.4
50°-60°	950.1	34.7
60°-70°	329.0	12.0
70°-80°	17.6	0.6
80°-90°	3.3	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°	2735.0	100.0
0°-180°	2735.0	100.0

Coefficient of Utilization



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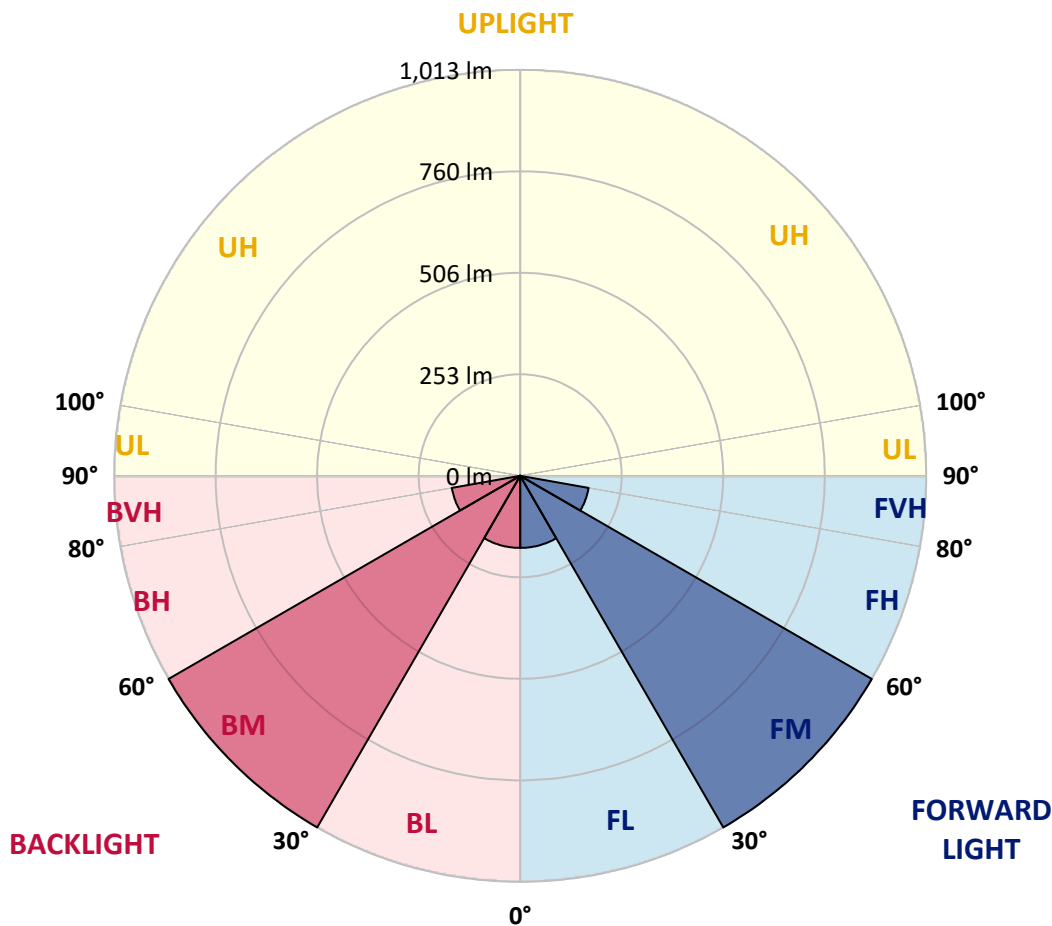
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.8	6.6			
FM	(30°-60°)	1012.7	37.0			
FH	(60°-80°)	173.3	6.3			G0/660
FVH	(80°-90°)	1.7	0.1			G0/10
BL	(0°-30°)	179.8	6.6	B1/500		
BM	(30°-60°)	1012.7	37.0	B2/2500		
BH	(60°-80°)	173.3	6.3	B1/500		G0/660
BVH	(80°-90°)	1.7	0.1			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°	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2	424.2
2.5°	423.1	425.4	422.5	421.4	420.8	420.8	419.1	419.1	418.5	419.1	416.8
5°	416.2	418.5	418.5	418.0	414.5	414.0	412.3	411.1	411.7	409.4	411.1
7.5°	409.4	411.1	408.8	408.3	407.1	404.8	404.3	399.1	399.7	399.7	400.8
10°	408.3	407.7	404.3	401.4	398.0	397.4	395.7	394.6	394.6	394.0	395.7
12.5°	408.3	405.4	404.8	398.6	392.9	395.1	390.6	387.7	391.7	392.9	395.1
15°	407.7	410.5	400.8	398.0	394.0	394.6	390.6	387.7	390.0	391.2	392.9
17.5°	411.1	409.4	406.6	400.8	399.1	396.9	391.7	389.4	389.4	392.3	392.9
20°	420.2	415.7	410.0	407.1	408.8	406.0	399.7	391.2	393.4	395.7	397.4
22.5°	428.8	425.4	421.4	419.7	429.4	424.8	414.0	404.3	400.8	404.8	407.7
25°	445.3	445.3	437.9	440.2	451.0	451.6	439.1	421.9	419.7	421.4	422.5
27.5°	479.0	480.7	474.4	476.7	481.2	485.2	474.4	460.1	455.0	454.4	456.2
30°	515.5	518.9	518.3	528.0	541.1	543.4	527.4	504.1	488.7	485.8	488.1
32.5°	563.4	565.1	563.9	575.3	610.7	627.2	585.6	552.5	532.0	537.1	532.0
35°	653.4	651.7	639.2	641.5	670.6	682.5	642.6	621.5	611.8	622.1	619.8
37.5°	731.0	724.7	714.5	729.3	759.5	770.3	728.7	691.6	674.0	691.1	698.5
40°	796.6	780.6	766.3	781.2	821.7	836.5	775.5	745.2	738.4	751.0	766.9
42.5°	851.9	841.6	822.8	823.9	850.7	857.6	808.5	790.9	784.0	804.0	812.0
45°	891.2	881.5	863.8	862.7	883.2	878.7	834.8	822.8	826.8	839.9	843.9
47.5°	911.2	916.3	906.0	908.9	919.7	908.9	874.1	874.1	865.0	873.0	869.0
50°	968.8	952.8	965.9	965.9	977.3	978.5	943.7	931.1	906.6	892.9	892.9
52.5°	1036.0	1037.2	1042.3	1061.1	1080.5	1097.1	1047.5	993.9	952.8	935.1	932.8
55°	1091.4	1102.8	1123.3	1158.6	1214.5	1237.3	1151.8	1056.0	1005.8	978.5	972.8
56°	1121.6	1110.7	1146.1	1194.6	1267.5	1297.2	1168.9	1068.6	1013.2	982.5	981.9
57.5°	1092.5	1104.5	1129.0	1205.4	1294.9	1333.7	1175.2	1062.8	983.6	952.2	955.1
60°	862.7	874.1	907.2	992.7	1133.0	1163.2	994.4	876.4	805.7	760.6	761.2
62.5°	488.1	496.6	522.3	601.6	688.8	717.9	619.8	541.1	492.1	467.0	459.0
65°	179.6	176.2	180.2	220.7	274.3	298.8	257.7	217.8	192.2	183.0	179.6
67.5°	67.3	62.2	58.2	62.2	78.1	82.7	75.8	63.3	59.3	61.0	62.2
70°	41.6	39.3	31.4	29.7	29.1	28.5	30.2	31.9	36.5	42.8	43.9
72.5°	29.1	27.4	22.2	21.1	20.0	19.4	22.2	24.5	28.5	33.1	33.6
75°	11.4	12.0	11.4	12.5	13.1	13.7	16.0	17.7	19.4	19.4	18.8
77.5°	2.3	2.3	3.4	4.6	5.7	7.4	10.8	12.5	13.1	12.5	10.8
80°	0.0	0.0	1.1	2.3	4.6	6.3	9.7	10.8	12.0	10.8	8.6
82.5°	0.0	0.0	1.1	2.9	4.6	5.7	9.1	11.4	13.1	12.0	9.1
85°	0.0	0.0	1.1	2.3	3.4	4.0	4.0	2.9	2.9	1.7	1.1
87.5°	0.0	0.0	0.0	0.0	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)