

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: P532539

Luminaire Tested: **GLAN-SA7D-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7D-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29414 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

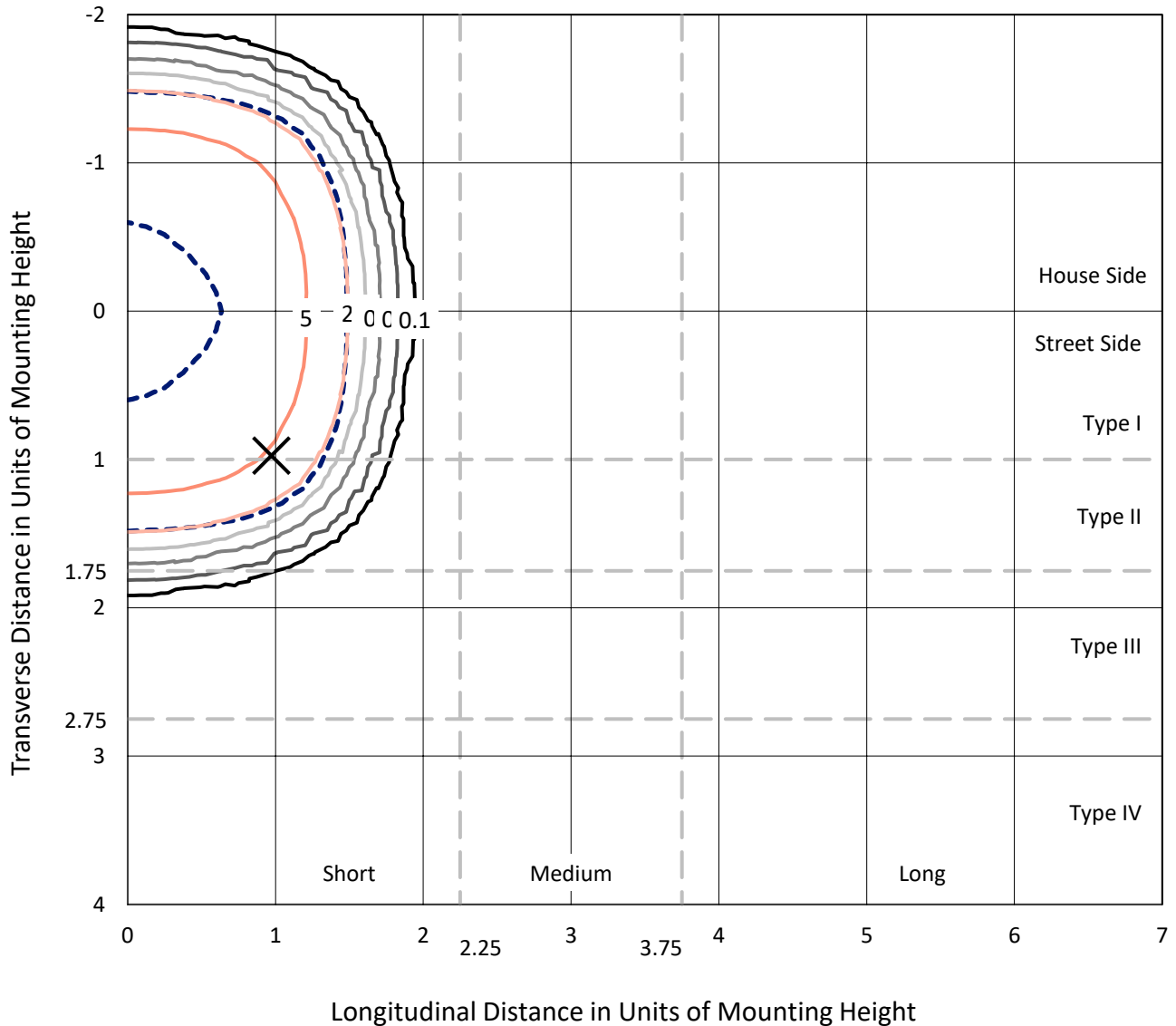
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

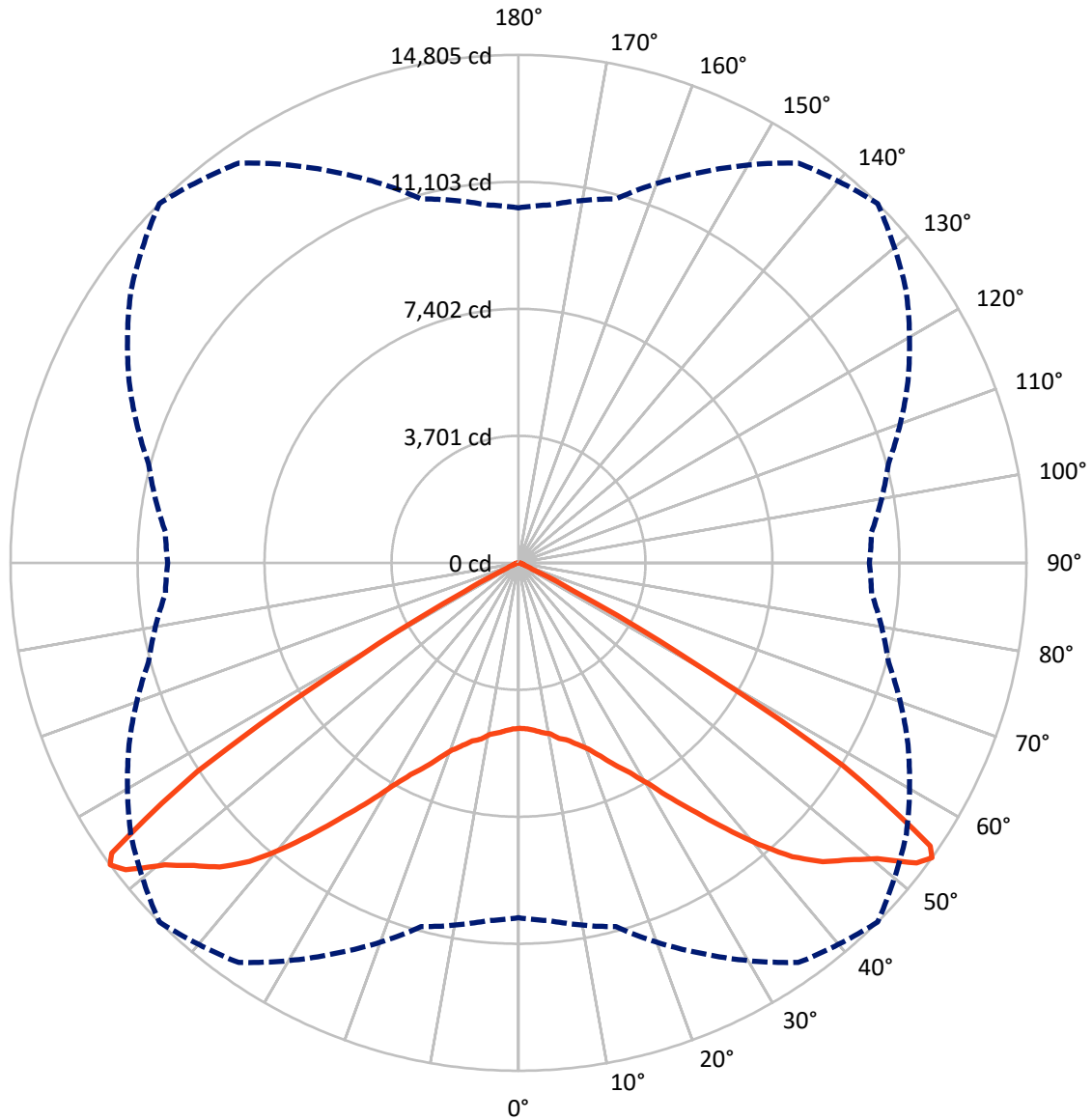
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

REPORT NUMBER: P532539
CATALOG NUMBER: GLAN-SA7D-830-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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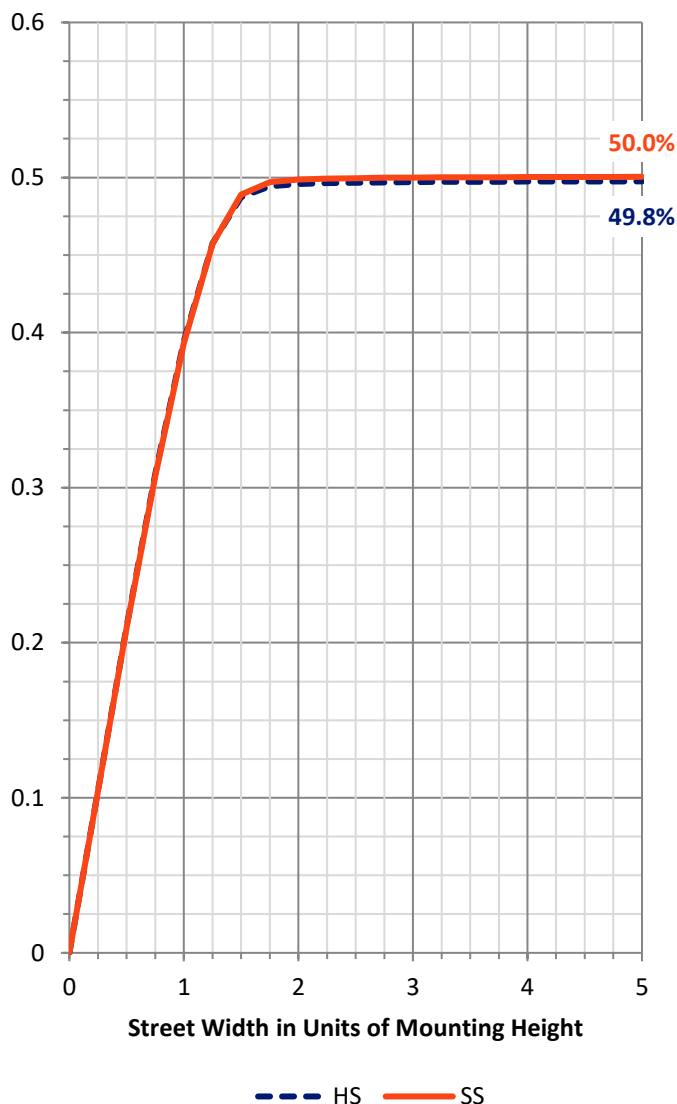
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14707.0	0.0	14707.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14707.0	0.0	14707.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29414.0	0.0	29414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.1	1.6
10°-20°	1528.7	5.2
20°-30°	2996.1	10.2
30°-40°	5387.7	18.3
40°-50°	9222.7	31.4
50°-60°	8923.8	30.3
60°-70°	763.9	2.6
70°-80°	90.6	0.3
80°-90°	28.4	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°	29414.0	100.0
0°-180°	29414.0	100.0

Coefficient of Utilization



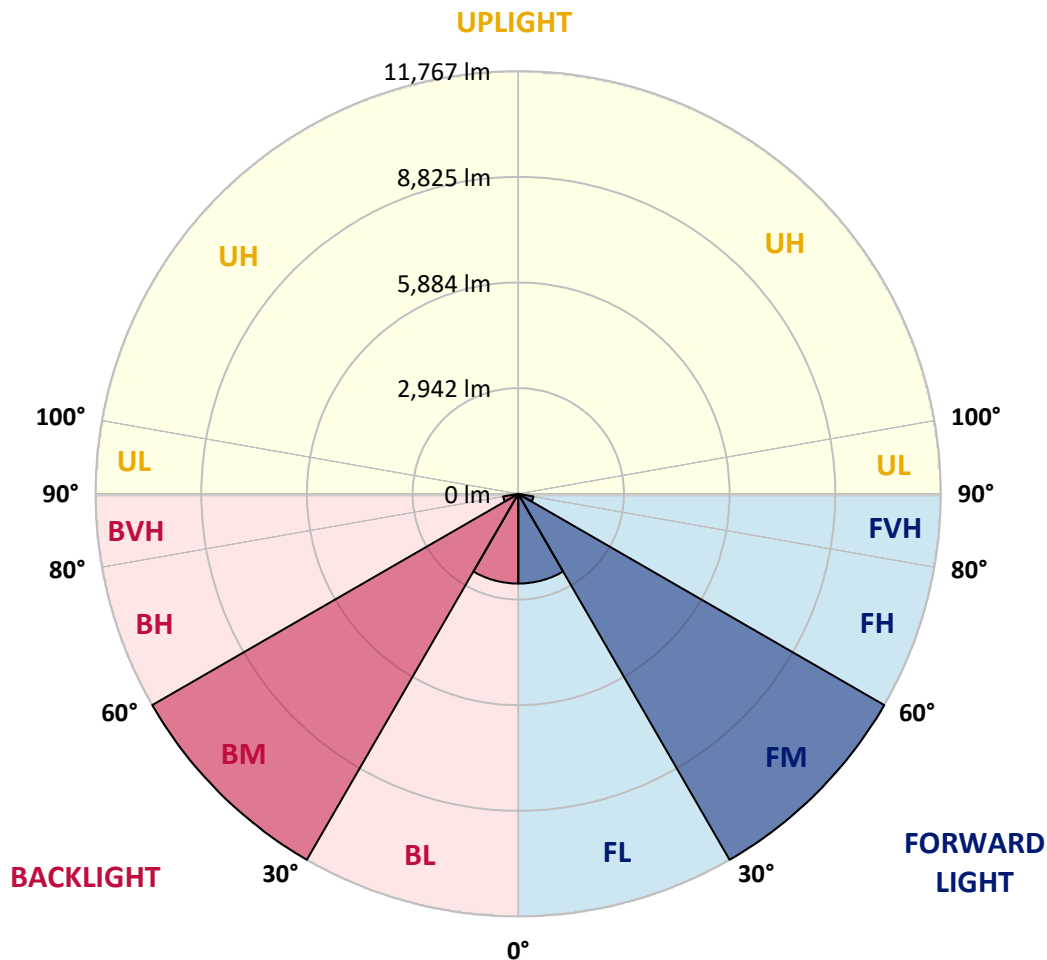
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2498.4	8.5			
FM (30°-60°)	11767.1	40.0			
FH (60°-80°)	427.2	1.5			G0/660
FVH (80°-90°)	14.2	0.0			G1/100
BL (0°-30°)	2498.4	8.5	B3/2500		
BM (30°-60°)	11767.1	40.0	B5		
BH (60°-80°)	427.2	1.5	B1/500		G0/660
BVH (80°-90°)	14.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4823.0	4823.0	4823.0	4823.0	4823.0	4823.0	4823.0	4823.0	4823.0	4823.0	4823.0
2.5°	4846.3	4874.2	4855.6	4869.6	4869.6	4846.3	4860.3	4804.3	4841.6	4813.7	4818.3
5°	4920.8	4916.2	4916.2	4920.8	4902.2	4911.5	4892.9	4874.2	4860.3	4841.6	4897.5
7.5°	5014.0	5014.0	4981.4	4990.7	4981.4	4995.4	4958.1	4920.8	4906.9	4892.9	4883.6
10°	5102.6	5093.3	5079.3	5121.2	5088.6	5070.0	5051.3	5028.0	4976.8	4958.1	4939.5
12.5°	5233.0	5228.4	5209.7	5251.7	5233.0	5251.7	5181.8	5121.2	5111.9	5051.3	5083.9
15°	5386.8	5428.8	5396.1	5396.1	5386.8	5363.5	5335.6	5307.6	5223.7	5200.4	5205.1
17.5°	5587.2	5573.2	5577.9	5577.9	5624.5	5563.9	5508.0	5438.1	5396.1	5382.2	5335.6
20°	5778.3	5796.9	5792.2	5824.9	5852.8	5787.6	5727.0	5717.7	5601.2	5619.8	5554.6
22.5°	6113.8	6099.8	6123.1	6146.4	6127.7	6118.4	6062.5	5992.6	5890.1	5843.5	5834.2
25°	6467.9	6444.6	6402.7	6458.6	6486.6	6528.5	6421.3	6384.0	6225.6	6155.7	6160.4
27.5°	6770.8	6803.4	6850.0	6873.3	6943.2	6929.2	6854.7	6733.5	6612.4	6533.2	6481.9
30°	7185.5	7204.2	7283.4	7316.0	7437.2	7469.8	7353.3	7213.5	6999.1	6896.6	6836.0
32.5°	7567.7	7698.1	7693.5	7856.6	8052.3	8187.4	7977.7	7763.4	7549.0	7427.9	7320.7
35°	8187.4	8164.1	8299.3	8471.7	8788.5	8942.3	8714.0	8467.0	8140.8	7945.1	7861.2
37.5°	8765.2	8774.6	8956.3	9231.2	9594.7	9832.4	9632.0	9226.6	8891.1	8639.4	8522.9
40°	9604.0	9622.7	9809.1	10121.3	10531.3	10787.6	10554.6	10144.6	9697.2	9501.5	9501.5
42.5°	10587.3	10666.5	10787.6	11057.9	11426.0	11710.3	11500.6	11179.1	10727.1	10475.4	10512.7
45°	11598.5	11635.7	11714.9	12115.7	12288.1	12427.9	12232.2	12083.1	11780.2	11472.6	11421.4
47.5°	12544.4	12558.4	12791.4	12917.2	13052.3	12935.8	13061.7	12865.9	12525.8	12227.5	12167.0
50°	12963.8	12940.5	13271.3	13653.5	13756.0	13550.9	13443.8	13313.3	12796.0	12437.2	12278.8
52.5°	11742.9	11878.0	12493.1	13555.6	14357.1	14529.5	13905.1	13304.0	12339.4	11640.4	11533.2
54°	10344.9	10470.8	10978.7	12553.7	14222.0	14804.5	13797.9	12521.1	11160.4	10331.0	10223.8
55°	8961.0	8821.2	9743.8	11351.5	13588.2	14562.1	13373.9	11509.9	9953.5	9194.0	9044.8
57.5°	4850.9	4874.2	5652.4	7171.6	9548.1	11165.1	9860.3	7786.7	5880.8	5028.0	4953.5
60°	1537.8	1575.0	1915.2	2898.4	4562.0	5447.4	4669.2	3126.8	2162.2	1733.5	1663.6
62.5°	480.0	498.6	545.2	810.8	1248.8	1784.7	1398.0	838.8	624.4	573.2	582.5
65°	293.6	293.6	298.2	316.9	372.8	433.4	419.4	368.1	354.2	344.8	340.2
67.5°	191.1	186.4	195.7	209.7	219.0	223.7	237.7	251.6	247.0	237.7	237.7
70°	116.5	111.8	121.2	139.8	144.5	153.8	167.8	186.4	181.7	172.4	177.1
72.5°	65.2	65.2	69.9	83.9	97.9	107.2	121.2	135.1	139.8	135.1	135.1
75°	23.3	28.0	37.3	51.3	60.6	74.6	88.5	102.5	116.5	107.2	102.5
77.5°	9.3	9.3	18.6	32.6	46.6	60.6	83.9	97.9	107.2	97.9	88.5
80°	4.7	4.7	14.0	28.0	41.9	55.9	69.9	83.9	88.5	79.2	69.9
82.5°	4.7	4.7	14.0	28.0	41.9	51.3	74.6	83.9	93.2	83.9	69.9
85°	0.0	4.7	14.0	28.0	37.3	41.9	41.9	28.0	23.3	14.0	14.0
87.5°	0.0	0.0	4.7	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)