

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: P648962

Luminaire Tested: **GLAN-SA6C-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29402.4 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

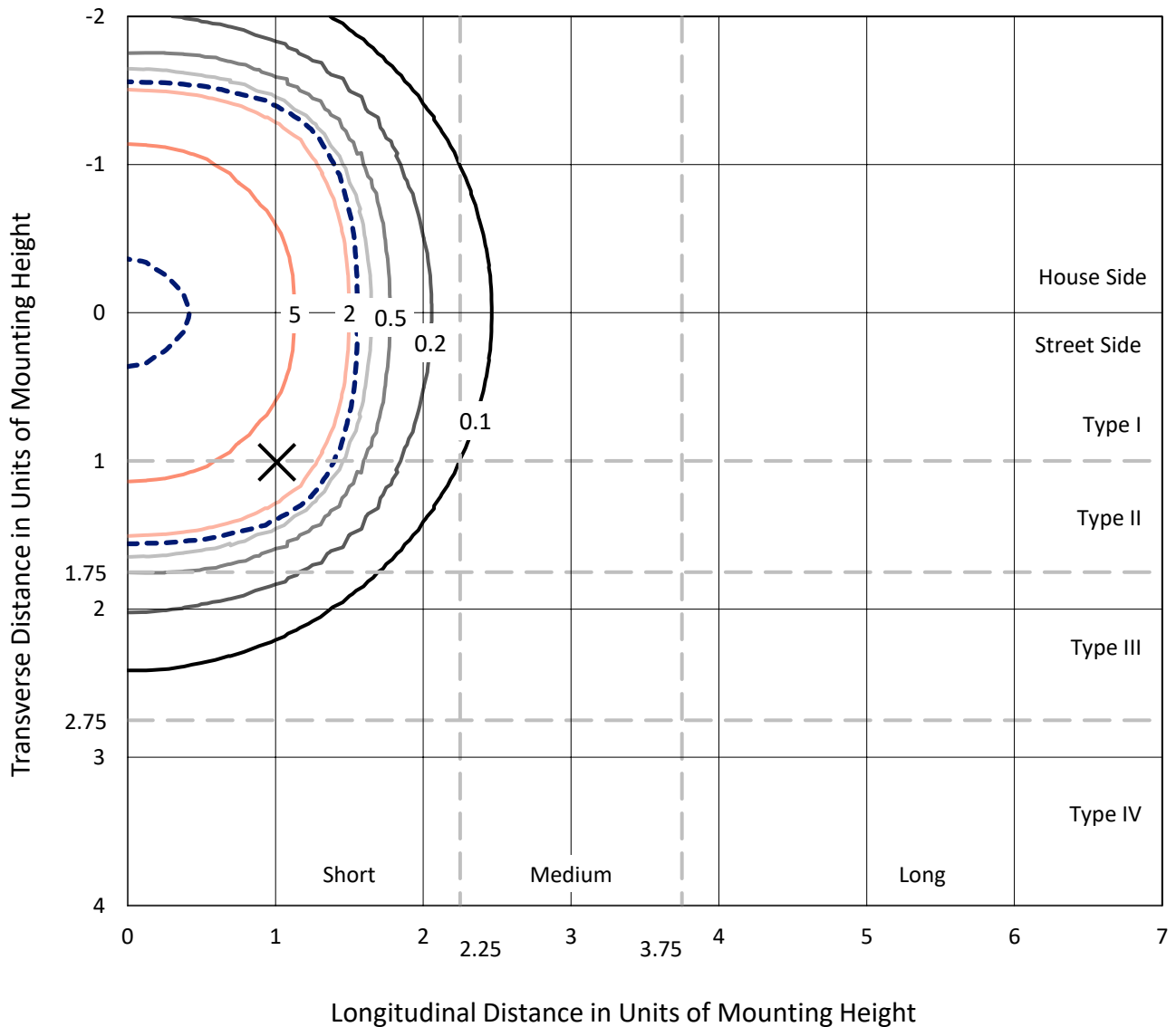
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

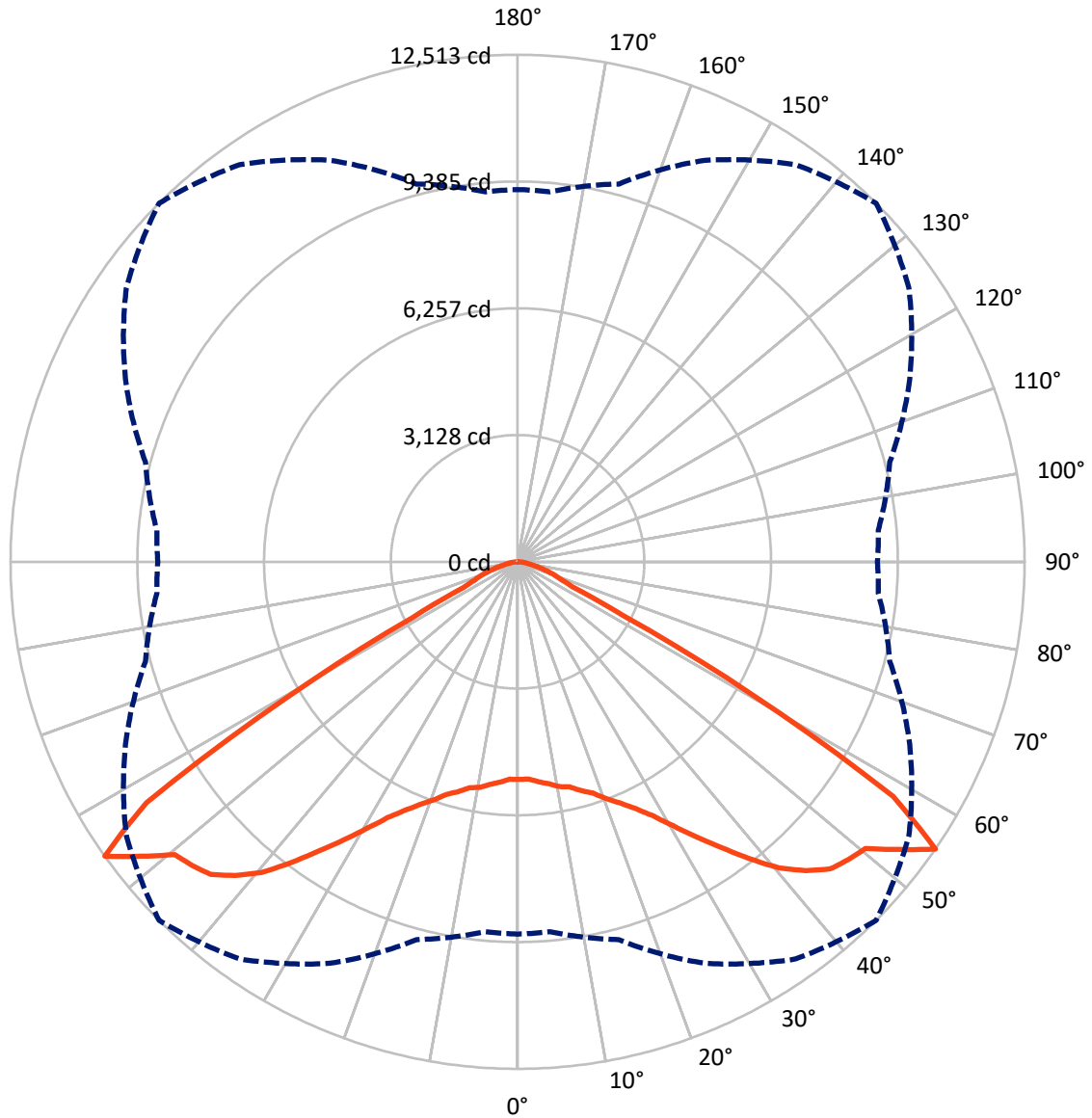
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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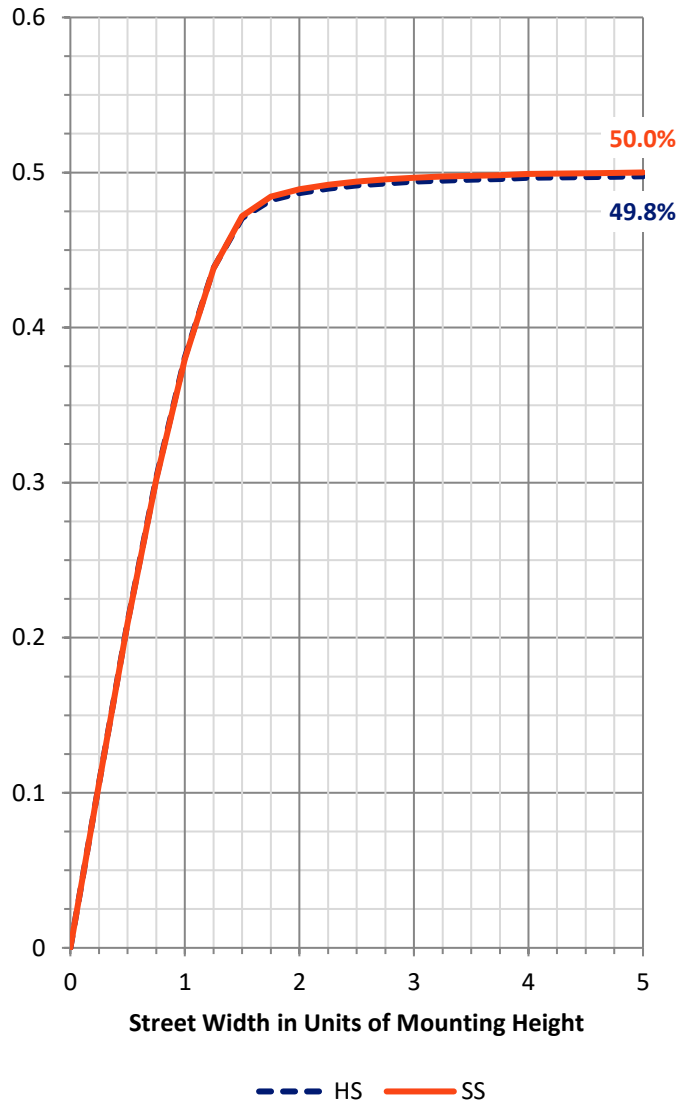
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14701.2	0.0	14701.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14701.2	0.0	14701.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	29402.4	0.0	29402.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.4	1.8
10°-20°	1661.7	5.7
20°-30°	3098.6	10.5
30°-40°	5188.0	17.6
40°-50°	8072.9	27.5
50°-60°	8382.2	28.5
60°-70°	1777.6	6.0
70°-80°	585.4	2.0
80°-90°	111.5	0.4
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°	29402.4	100.0
0°-180°	29402.4	100.0

Coefficient of Utilization



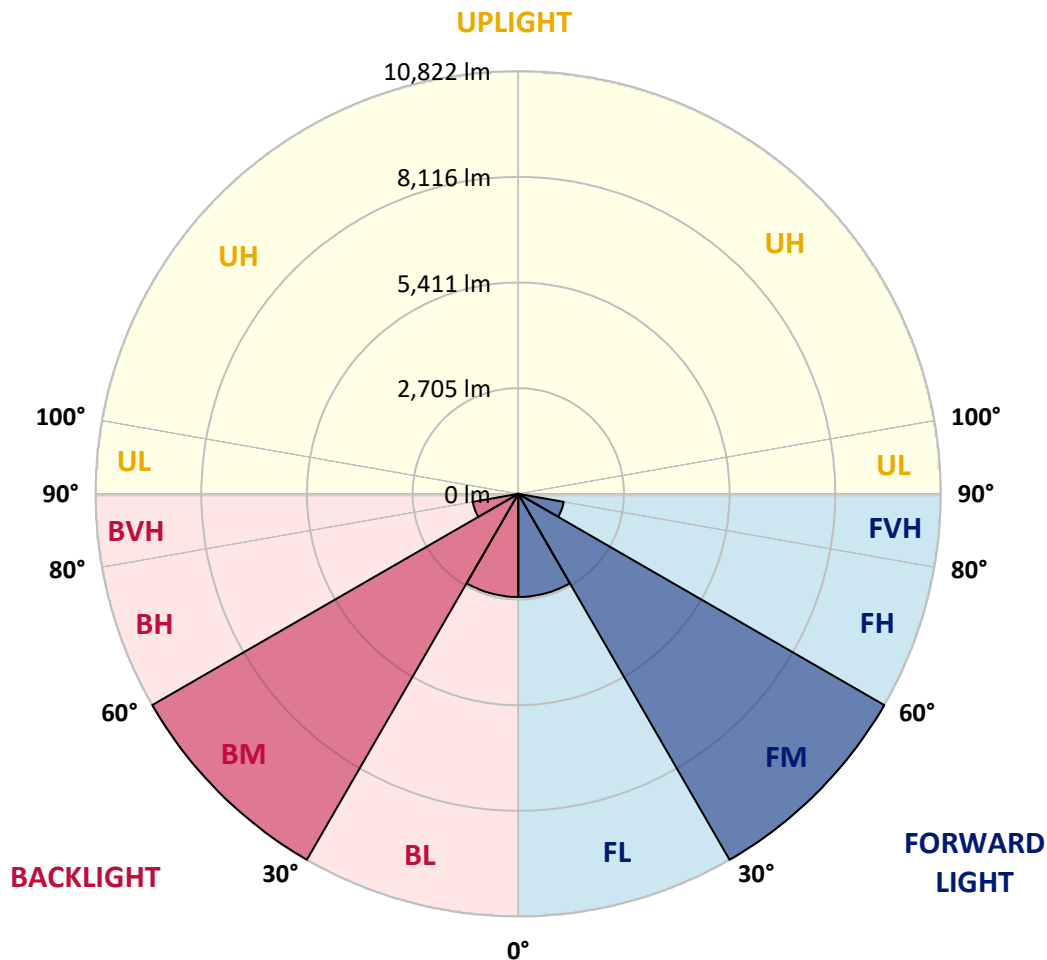
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2642.4	9.0			
FM (30°-60°)	10821.6	36.8			
FH (60°-80°)	1181.5	4.0			G1/1800
FVH (80°-90°)	55.8	0.2			G1/100
BL (0°-30°)	2642.4	9.0	B4/5000		
BM (30°-60°)	10821.6	36.8	B5		
BH (60°-80°)	1181.5	4.0	B3/2500		G1/1800
BVH (80°-90°)	55.8	0.2			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°	5368.5	5368.5	5368.5	5368.5	5368.5	5368.5	5368.5	5368.5	5368.5	5368.5	5368.5
2.5°	5432.4	5407.6	5364.9	5396.9	5421.7	5368.5	5389.8	5400.4	5393.3	5364.9	5375.5
5°	5510.6	5496.3	5460.8	5485.7	5453.8	5453.8	5432.4	5404.0	5446.6	5439.5	5457.3
7.5°	5510.6	5492.8	5563.8	5517.6	5531.9	5531.9	5496.3	5467.9	5489.2	5457.3	5439.5
10°	5620.7	5645.6	5613.6	5624.3	5617.2	5642.0	5588.7	5571.0	5553.2	5542.5	5521.2
12.5°	5752.2	5734.4	5745.0	5738.0	5762.8	5698.8	5666.9	5627.8	5659.8	5613.6	5645.6
15°	5858.7	5848.1	5858.7	5887.1	5862.3	5858.7	5801.9	5762.8	5713.1	5723.7	5674.0
17.5°	6004.4	5993.8	5997.3	6022.2	6018.6	6000.8	5958.2	5883.6	5865.8	5837.4	5805.5
20°	6221.2	6203.4	6196.3	6206.9	6224.7	6238.9	6153.7	6125.3	6064.8	6018.6	5965.4
22.5°	6405.9	6398.8	6427.2	6381.1	6420.1	6462.7	6381.1	6366.8	6217.6	6192.7	6135.9
25°	6661.7	6651.0	6633.3	6700.8	6747.0	6743.4	6665.3	6587.1	6473.4	6445.0	6445.0
27.5°	6931.7	6871.3	6963.7	6981.5	7063.2	7088.0	7020.5	6906.8	6800.3	6739.9	6754.1
30°	7269.2	7212.4	7233.7	7361.6	7468.3	7560.6	7390.0	7223.1	7073.9	6967.3	6949.5
32.5°	7606.8	7549.9	7613.9	7738.2	7951.4	8090.0	7923.0	7631.7	7457.5	7301.2	7333.2
35°	7880.3	7923.0	8026.0	8214.3	8434.6	8658.4	8392.0	8168.1	7919.4	7745.4	7770.2
37.5°	8320.9	8452.4	8534.1	8750.8	9063.5	9294.4	9017.3	8725.9	8459.5	8232.1	8153.9
40°	8896.4	8985.3	9077.7	9333.5	9703.0	9933.9	9671.0	9290.8	9027.9	8793.5	8782.8
42.5°	9528.9	9614.1	9710.1	10022.8	10243.0	10417.1	10175.6	9973.0	9681.6	9496.9	9486.3
45°	10264.3	10204.0	10310.5	10516.6	10701.3	10815.0	10658.7	10559.2	10349.6	10179.1	10161.3
47.5°	10754.7	10701.3	10893.3	11078.0	11106.4	10982.0	11014.0	11106.4	10886.1	10605.4	10694.3
50°	11038.9	11038.9	11166.8	11337.4	11284.0	11124.2	11376.4	11383.5	11163.2	10914.6	10914.6
52.5°	10545.1	10655.1	11017.6	11575.4	11753.0	11799.2	11742.3	11500.8	10925.2	10417.1	10392.3
55°	9187.8	9163.0	9653.2	10932.3	11966.2	12513.4	11788.5	10676.5	9507.6	8935.6	8878.8
57.5°	5976.0	6004.4	6736.3	8040.2	9905.5	10925.2	9703.0	8139.7	6736.3	5947.6	6022.2
60°	2689.5	2785.4	3229.6	4203.1	5805.5	6636.9	5819.6	4416.3	3389.5	2941.8	2980.9
62.5°	1545.5	1563.3	1581.0	1875.9	2472.8	2924.0	2568.8	1982.6	1748.0	1669.9	1669.9
65°	1303.9	1293.3	1296.8	1321.7	1385.6	1478.0	1438.9	1385.6	1392.7	1385.6	1374.9
67.5°	1108.5	1122.7	1112.1	1129.8	1133.4	1147.6	1172.5	1193.8	1197.4	1204.4	1197.4
70°	909.5	913.1	920.2	934.4	938.0	948.6	984.2	1001.9	1012.6	1012.6	1026.8
72.5°	696.4	692.8	699.9	714.1	731.9	735.5	767.4	792.3	806.5	788.7	792.3
75°	458.3	461.9	472.5	483.2	508.1	532.9	543.6	568.5	572.0	579.1	561.3
77.5°	273.6	280.7	291.4	312.7	333.9	355.3	380.1	397.9	405.0	397.9	376.6
80°	177.7	177.7	191.8	209.6	234.5	252.3	266.5	280.7	291.4	280.7	273.6
82.5°	110.2	110.2	127.9	149.2	167.0	177.7	199.0	216.7	227.4	220.3	209.6
85°	56.8	60.4	74.6	92.4	106.6	113.7	110.2	99.5	88.8	85.3	78.1
87.5°	17.8	17.8	21.3	21.3	17.8	17.8	21.3	17.8	21.3	21.3	21.3
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)