

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: P316811

Luminaire Tested: **GAN-SA7C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51606 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

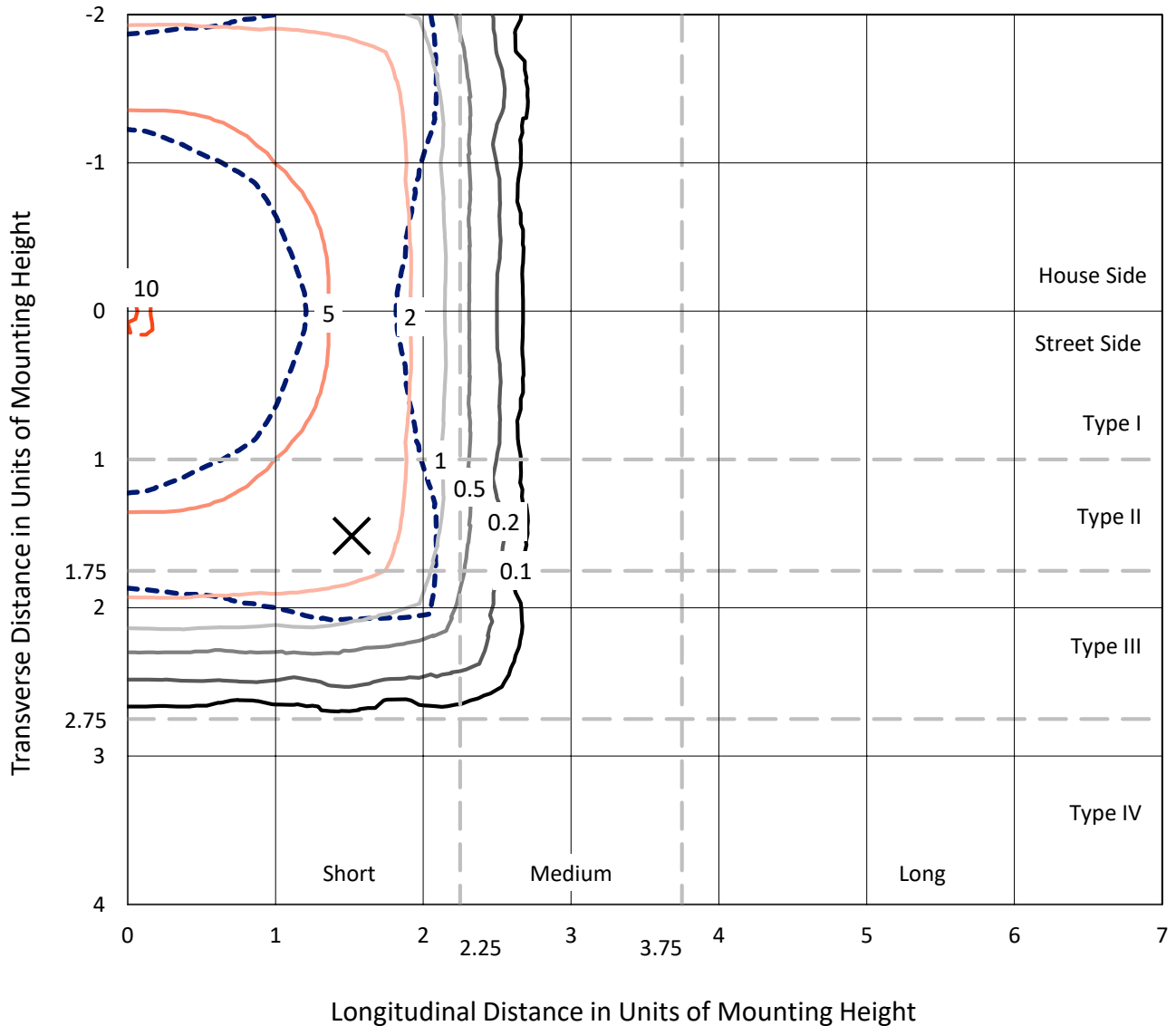
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

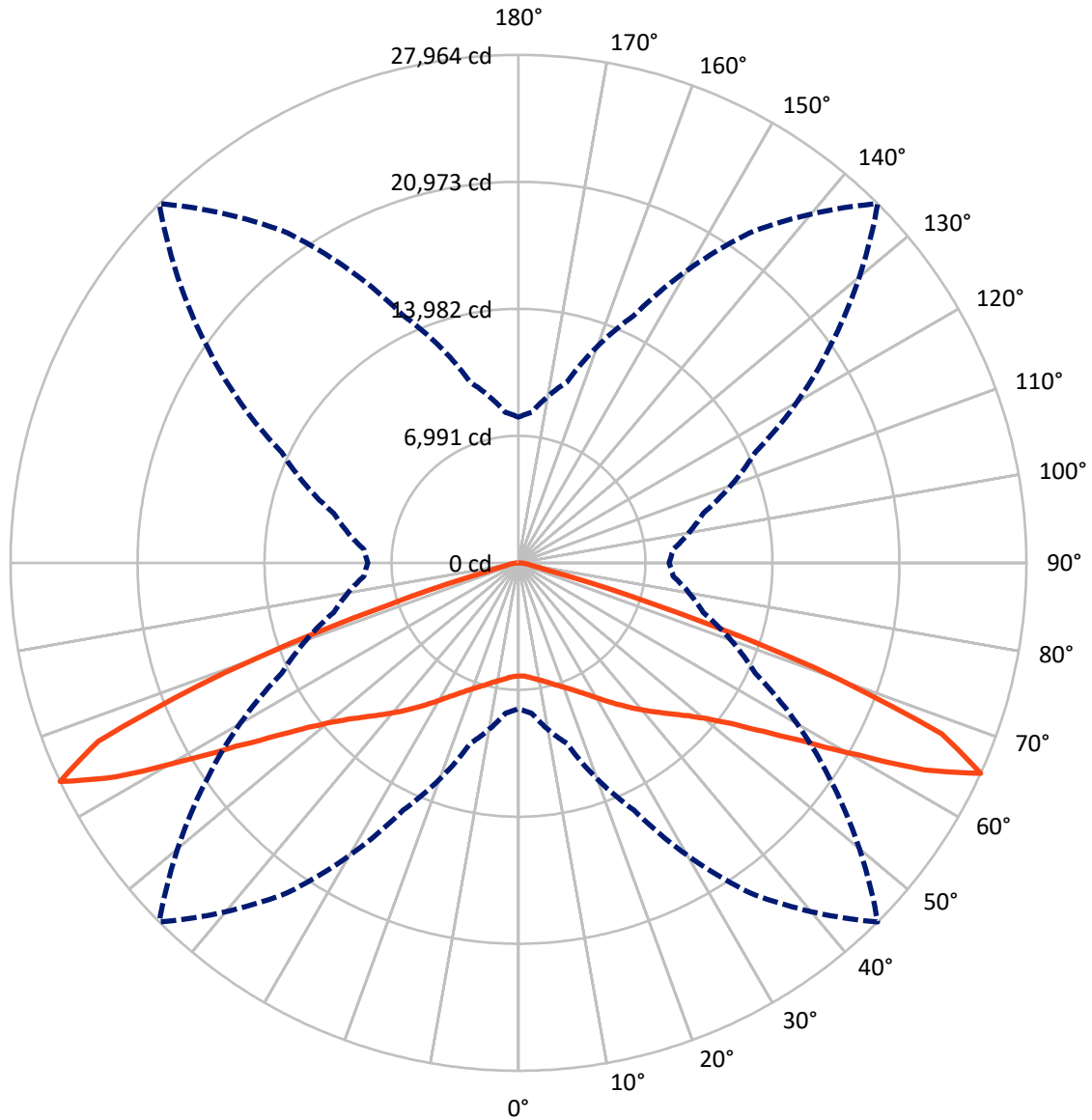
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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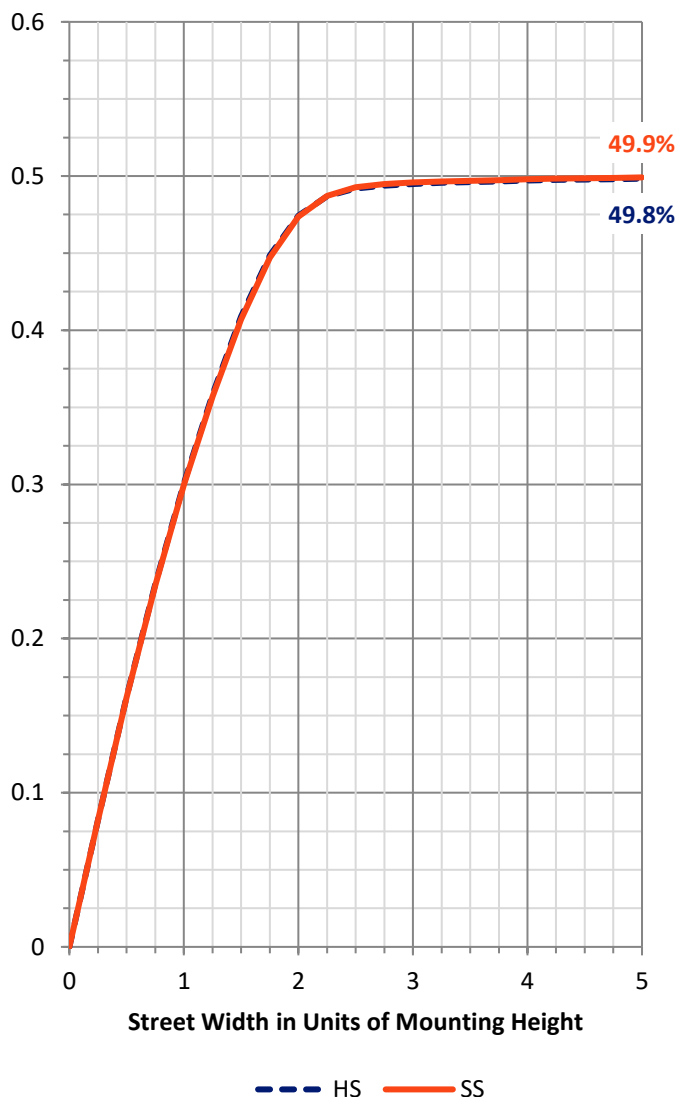
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25803.0	0.0	25803.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25803.0	0.0	25803.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	51606.0	0.0	51606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.4	1.2
10°-20°	1965.4	3.8
20°-30°	3687.4	7.1
30°-40°	6098.2	11.8
40°-50°	9445.3	18.3
50°-60°	14486.5	28.1
60°-70°	13517.5	26.2
70°-80°	1573.2	3.0
80°-90°	221.1	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°	51606.0	100.0
0°-180°	51606.0	100.0

Coefficient of Utilization



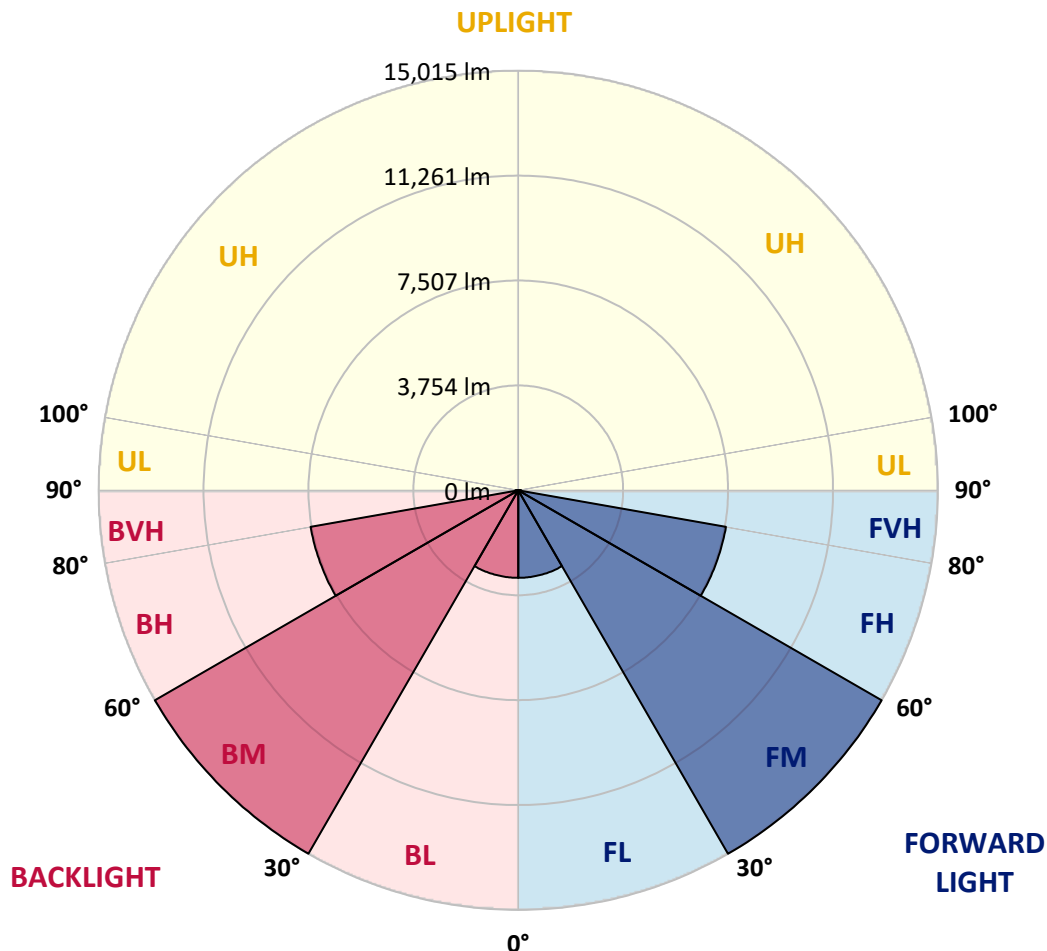
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3132.1	6.1			
FM (30°-60°)	15015.0	29.1			
FH (60°-80°)	7545.4	14.6			G4/12000
FVH (80°-90°)	110.5	0.2			G2/225
BL (0°-30°)	3132.1	6.1	B4/5000		
BM (30°-60°)	15015.0	29.1	B5		
BH (60°-80°)	7545.4	14.6	B5		G4/12000
BVH (80°-90°)	110.5	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6232.1	6232.1	6232.1	6232.1	6232.1	6232.1	6232.1	6232.1	6232.1	6232.1	6232.1
2.5°	6252.6	6249.2	6252.6	6254.3	6244.1	6249.2	6247.5	6256.1	6259.5	6256.1	6256.1
5°	6324.6	6319.4	6326.3	6334.9	6321.2	6324.6	6319.4	6329.7	6333.1	6326.3	6331.4
7.5°	6423.9	6425.7	6432.5	6447.9	6439.4	6446.2	6435.9	6437.6	6435.9	6425.7	6427.4
10°	6531.9	6533.6	6545.6	6566.1	6569.5	6569.5	6562.7	6557.6	6550.7	6543.9	6545.6
12.5°	6662.1	6670.6	6679.2	6704.9	6704.9	6718.6	6715.2	6701.5	6689.5	6679.2	6679.2
15°	6838.5	6836.8	6847.1	6872.8	6884.8	6907.0	6907.0	6888.2	6872.8	6862.5	6859.1
17.5°	7023.5	7028.6	7035.5	7066.3	7085.2	7110.9	7114.3	7098.9	7088.6	7074.9	7066.3
20°	7239.4	7247.9	7275.3	7287.3	7304.4	7328.4	7337.0	7333.6	7323.3	7316.4	7318.2
22.5°	7491.2	7513.4	7530.6	7547.7	7568.3	7585.4	7594.0	7605.9	7595.7	7590.5	7587.1
25°	7796.1	7811.5	7845.8	7876.6	7890.3	7895.5	7905.7	7922.9	7921.1	7909.2	7909.2
27.5°	8142.1	8171.3	8214.1	8258.6	8258.6	8241.5	8275.7	8304.9	8294.6	8279.2	8258.6
30°	8561.8	8589.2	8638.9	8700.6	8669.7	8657.8	8704.0	8757.1	8741.7	8716.0	8712.6
32.5°	9014.1	9039.8	9104.9	9171.7	9132.3	9115.1	9164.8	9241.9	9214.5	9163.1	9132.3
35°	9504.0	9529.7	9622.2	9702.7	9635.9	9606.8	9647.9	9731.8	9683.9	9587.9	9564.0
37.5°	10036.8	10050.5	10170.4	10252.6	10206.4	10129.3	10180.7	10242.3	10201.2	10084.7	10038.5
40°	10590.1	10639.8	10778.5	10874.4	10793.9	10672.3	10758.0	10843.6	10781.9	10632.9	10554.1
42.5°	11235.9	11273.6	11458.6	11544.2	11414.1	11242.8	11359.2	11475.7	11414.1	11270.2	11201.6
45°	11907.4	11965.7	12186.6	12272.3	12083.9	11866.3	12008.5	12212.3	12207.2	11999.9	11928.0
47.5°	12638.9	12697.1	12960.9	13074.0	12870.1	12578.9	12779.4	13067.1	13046.6	12818.8	12760.5
50°	13483.4	13545.1	13874.0	14016.2	13826.0	13486.8	13788.3	14041.9	14004.2	13723.2	13728.4
52.5°	14543.8	14540.4	14949.8	15196.5	15001.2	14701.4	14978.9	15225.6	15069.7	14680.8	14668.9
55°	15472.3	15528.8	16035.9	16503.5	16491.5	16376.8	16488.1	16498.4	16053.0	15535.7	15472.3
57.5°	16082.1	16190.0	16904.4	17750.6	18384.5	18536.9	18321.1	17666.7	16623.4	15796.0	15695.0
60°	15707.0	15871.4	16993.5	18718.5	20585.7	21481.7	20263.7	18233.7	16179.8	15026.9	14889.8
62.5°	13175.1	13452.6	15095.4	18250.8	22480.4	25099.6	21671.8	17324.1	14415.3	12827.3	12592.6
65°	8023.9	8316.9	10297.1	15021.7	22173.7	27963.8	21029.4	14379.3	10521.6	8546.4	8292.9
67.5°	2674.1	2759.7	3926.3	8303.2	17426.9	25125.3	17456.0	8608.1	4579.0	3035.5	2946.4
70°	1046.7	1055.2	1245.4	2406.8	8229.5	17257.3	9080.9	2449.7	1301.9	1029.5	1051.8
72.5°	769.2	772.6	825.7	1005.6	2144.7	7602.5	2221.8	1010.7	803.4	721.2	721.2
75°	618.4	618.4	656.1	733.2	961.0	1743.9	974.7	724.6	628.7	575.6	568.7
77.5°	488.2	498.5	527.6	577.3	651.0	839.4	674.9	573.9	507.1	457.4	447.1
80°	363.2	373.4	421.4	445.4	467.7	582.4	498.5	448.8	400.9	342.6	332.3
82.5°	238.1	248.4	308.3	322.1	316.9	380.3	335.8	330.6	294.6	221.0	210.7
85°	155.9	159.3	205.6	214.1	197.0	173.0	214.1	226.1	205.6	143.9	138.8
87.5°	73.7	73.7	104.5	97.6	89.1	71.9	97.6	114.8	116.5	70.2	68.5
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)