

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: P316851

Luminaire Tested: **GAN-SA7C-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316851
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-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 51605 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

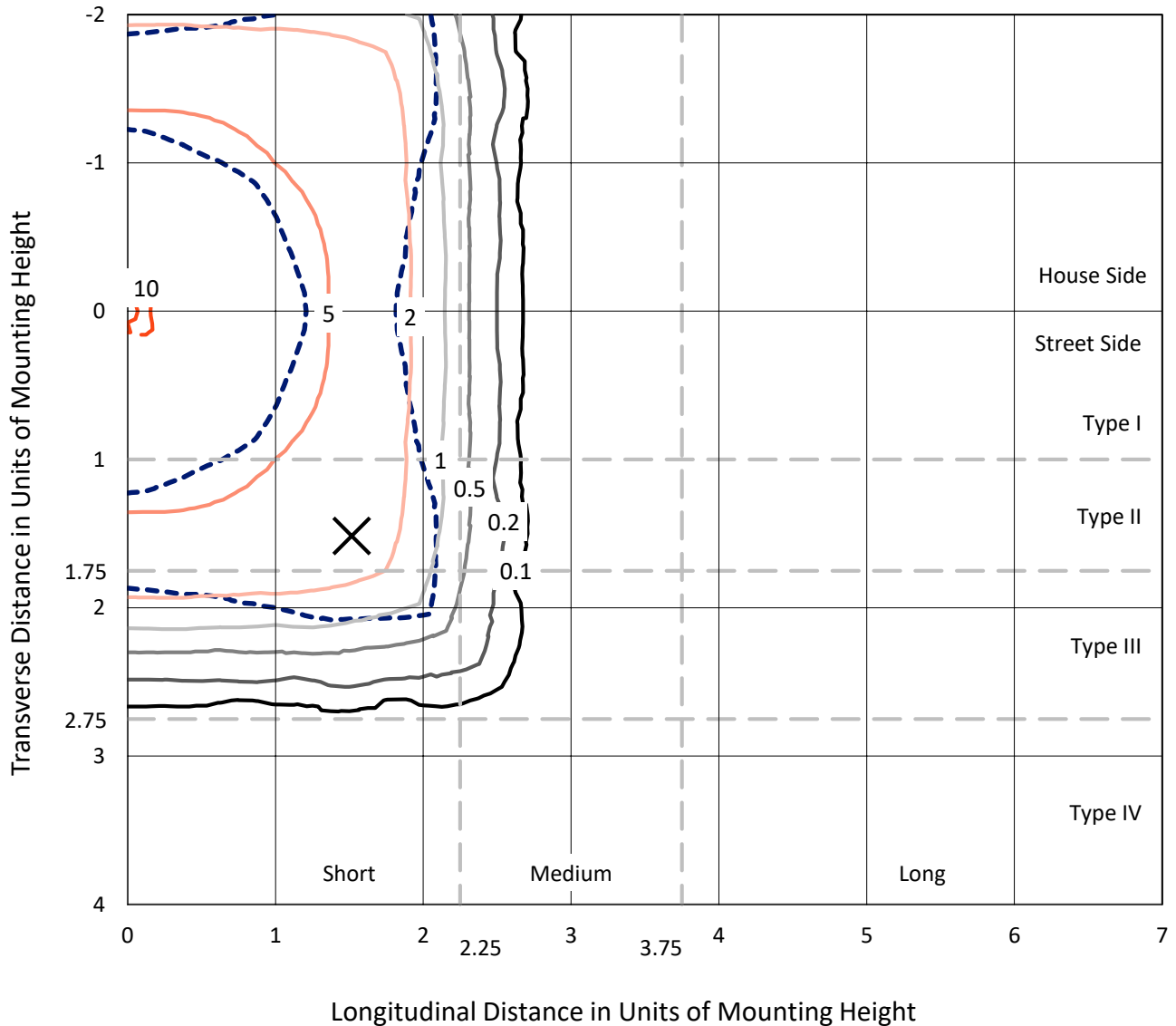
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

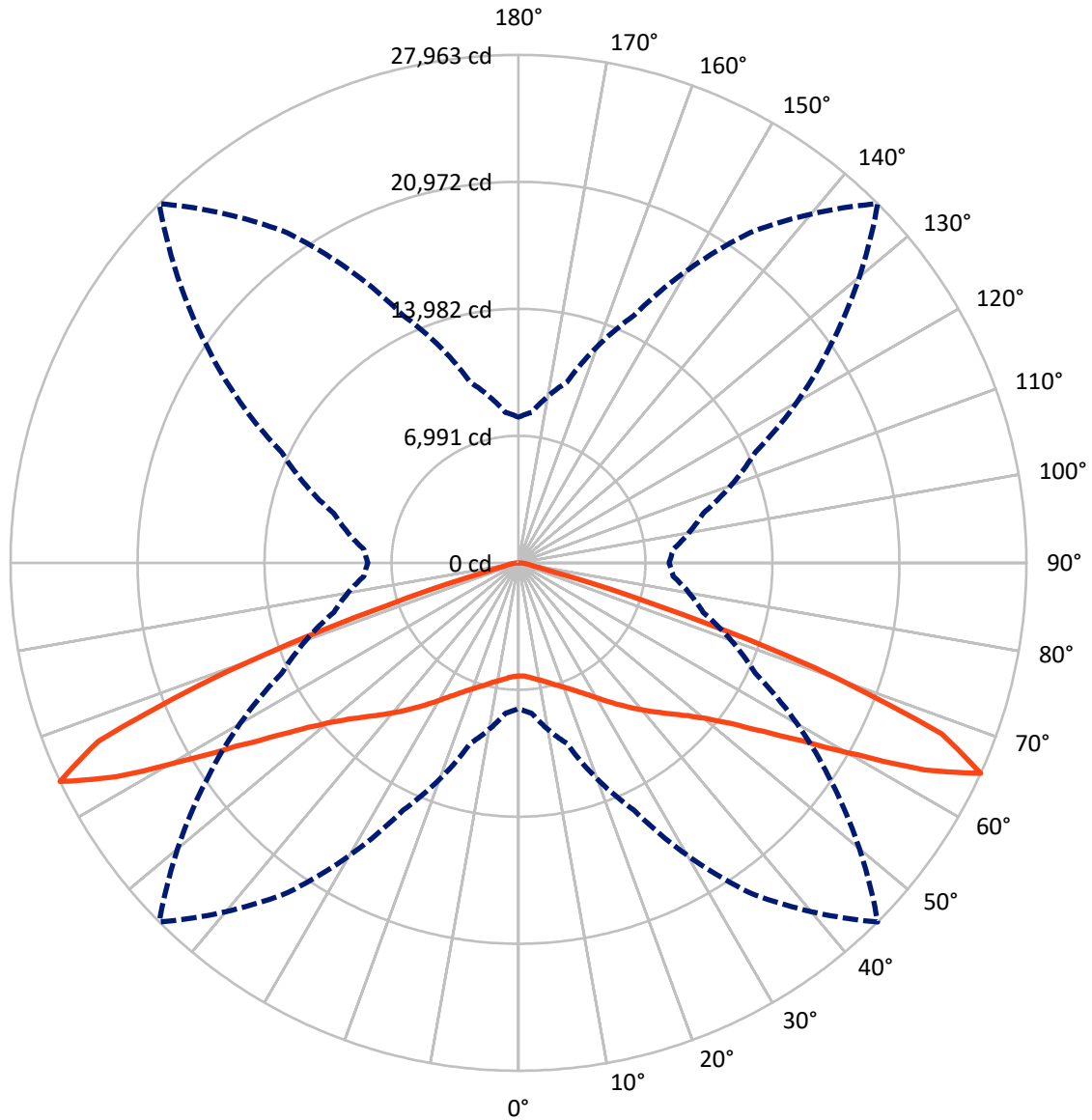
× Max cd
 - - - 1/2 Max cd



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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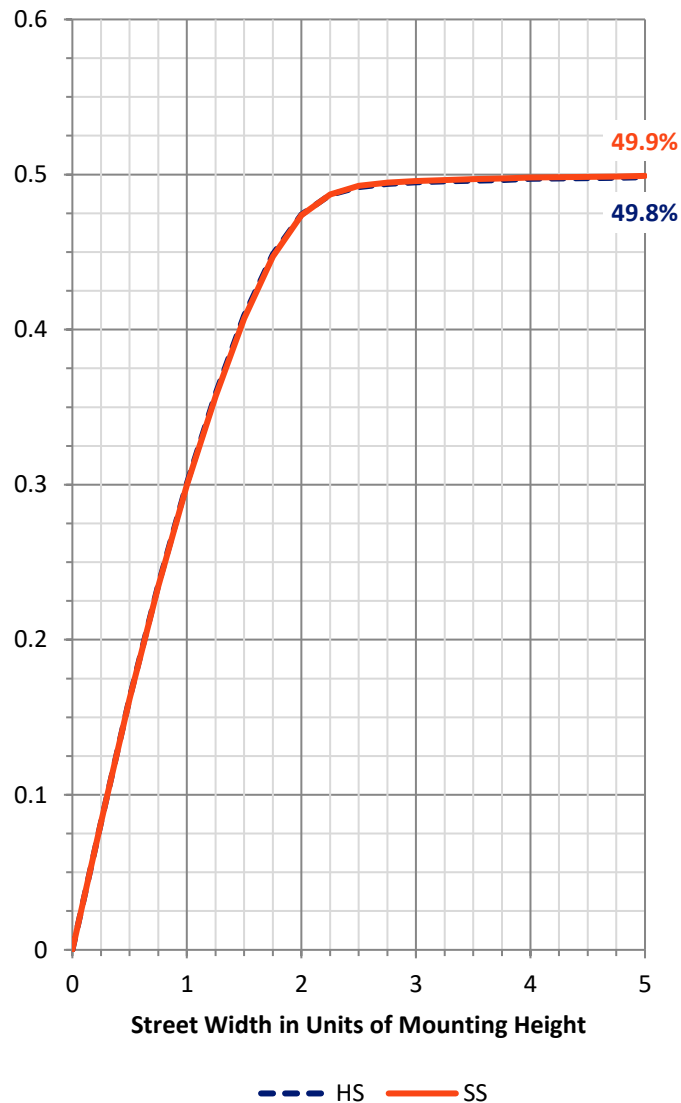
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25802.5	0.0	25802.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25802.5	0.0	25802.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51605.0	0.0	51605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.4	1.2
10°-20°	1965.3	3.8
20°-30°	3687.3	7.1
30°-40°	6098.1	11.8
40°-50°	9445.1	18.3
50°-60°	14486.2	28.1
60°-70°	13517.2	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°	51605.0	100.0
0°-180°	51605.0	100.0

Coefficient of Utilization



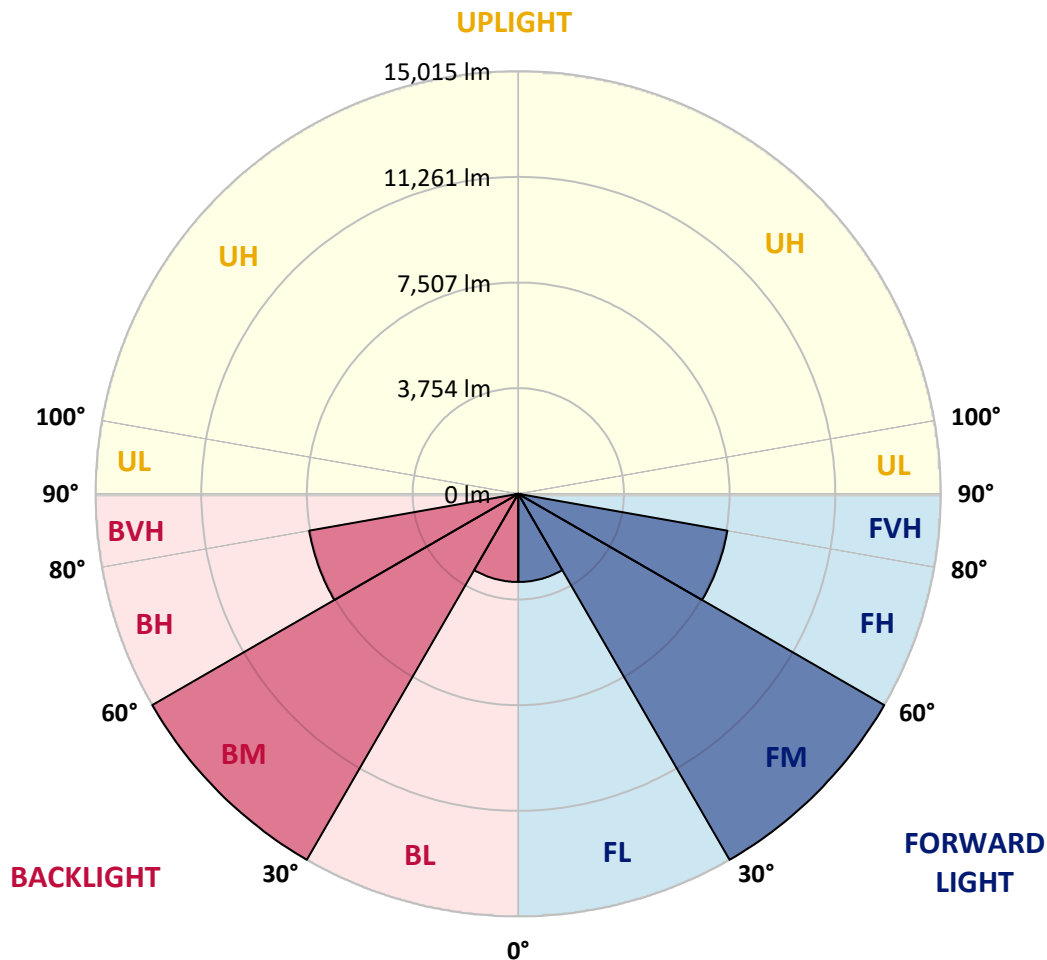
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3132.0	6.1			
FM (30°-60°)	15014.7	29.1			
FH (60°-80°)	7545.2	14.6			G4/12000
FVH (80°-90°)	110.5	0.2			G2/225
BL (0°-30°)	3132.0	6.1	B4/5000		
BM (30°-60°)	15014.7	29.1	B5		
BH (60°-80°)	7545.2	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°	6232.0	6232.0	6232.0	6232.0	6232.0	6232.0	6232.0	6232.0	6232.0	6232.0	6232.0
2.5°	6252.5	6249.1	6252.5	6254.2	6243.9	6249.1	6247.4	6255.9	6259.4	6255.9	6255.9
5°	6324.5	6319.3	6326.2	6334.7	6321.0	6324.5	6319.3	6329.6	6333.0	6326.2	6331.3
7.5°	6423.8	6425.5	6432.4	6447.8	6439.2	6446.1	6435.8	6437.5	6435.8	6425.5	6427.2
10°	6531.7	6533.4	6545.4	6566.0	6569.4	6569.4	6562.6	6557.4	6550.6	6543.7	6545.4
12.5°	6661.9	6670.5	6679.1	6704.8	6704.8	6718.5	6715.0	6701.3	6689.3	6679.1	6679.1
15°	6838.4	6836.7	6846.9	6872.6	6884.6	6906.9	6906.9	6888.0	6872.6	6862.3	6858.9
17.5°	7023.4	7028.5	7035.4	7066.2	7085.0	7110.7	7114.2	7098.7	7088.5	7074.8	7066.2
20°	7239.2	7247.8	7275.2	7287.2	7304.3	7328.3	7336.9	7333.4	7323.1	7316.3	7318.0
22.5°	7491.0	7513.3	7530.4	7547.6	7568.1	7585.2	7593.8	7605.8	7595.5	7590.4	7587.0
25°	7795.9	7811.4	7845.6	7876.5	7890.2	7895.3	7905.6	7922.7	7921.0	7909.0	7909.0
27.5°	8142.0	8171.1	8213.9	8258.5	8258.5	8241.3	8275.6	8304.7	8294.4	8279.0	8258.5
30°	8561.7	8589.1	8638.7	8700.4	8669.6	8657.6	8703.8	8756.9	8741.5	8715.8	8712.4
32.5°	9013.9	9039.6	9104.7	9171.5	9132.1	9115.0	9164.6	9241.7	9214.3	9162.9	9132.1
35°	9503.8	9529.5	9622.0	9702.5	9635.7	9606.6	9647.7	9731.7	9683.7	9587.8	9563.8
37.5°	10036.6	10050.3	10170.2	10252.4	10206.2	10129.1	10180.5	10242.1	10201.0	10084.5	10038.3
40°	10589.9	10639.6	10778.3	10874.2	10793.7	10672.1	10757.7	10843.4	10781.7	10632.7	10553.9
42.5°	11235.7	11273.4	11458.4	11544.0	11413.8	11242.5	11359.0	11475.5	11413.8	11269.9	11201.4
45°	11907.2	11965.4	12186.4	12272.1	12083.6	11866.1	12008.3	12212.1	12207.0	11999.7	11927.7
47.5°	12638.6	12696.9	12960.7	13073.7	12869.9	12578.7	12779.1	13066.9	13046.3	12818.5	12760.3
50°	13483.2	13544.8	13873.7	14015.9	13825.8	13486.6	13788.1	14041.6	14003.9	13723.0	13728.1
52.5°	14543.5	14540.1	14949.5	15196.2	15000.9	14701.1	14978.6	15225.3	15069.4	14680.6	14668.6
55°	15472.0	15528.5	16035.6	16503.2	16491.2	16376.4	16487.8	16498.1	16052.7	15535.4	15472.0
57.5°	16081.8	16189.7	16904.1	17750.3	18384.1	18536.6	18320.7	17666.3	16623.1	15795.7	15694.7
60°	15706.7	15871.1	16993.1	18718.1	20585.3	21481.2	20263.3	18233.4	16179.4	15026.6	14889.5
62.5°	13174.8	13452.3	15095.1	18250.5	22479.9	25099.1	21671.4	17323.7	14415.0	12827.1	12592.4
65°	8023.8	8316.7	10296.9	15021.4	22173.3	27963.3	21029.0	14379.1	10521.4	8546.2	8292.7
67.5°	2674.0	2759.7	3926.2	8303.0	17426.5	25124.8	17455.6	8607.9	4578.9	3035.5	2946.4
70°	1046.7	1055.2	1245.4	2406.8	8229.3	17256.9	9080.7	2449.6	1301.9	1029.5	1051.8
72.5°	769.1	772.6	825.7	1005.5	2144.7	7602.4	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	650.9	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	400.8	342.6	332.3
82.5°	238.1	248.4	308.3	322.0	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)