

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: P316222

Luminaire Tested: **GAN-SA8D-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316222
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8D-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65498 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

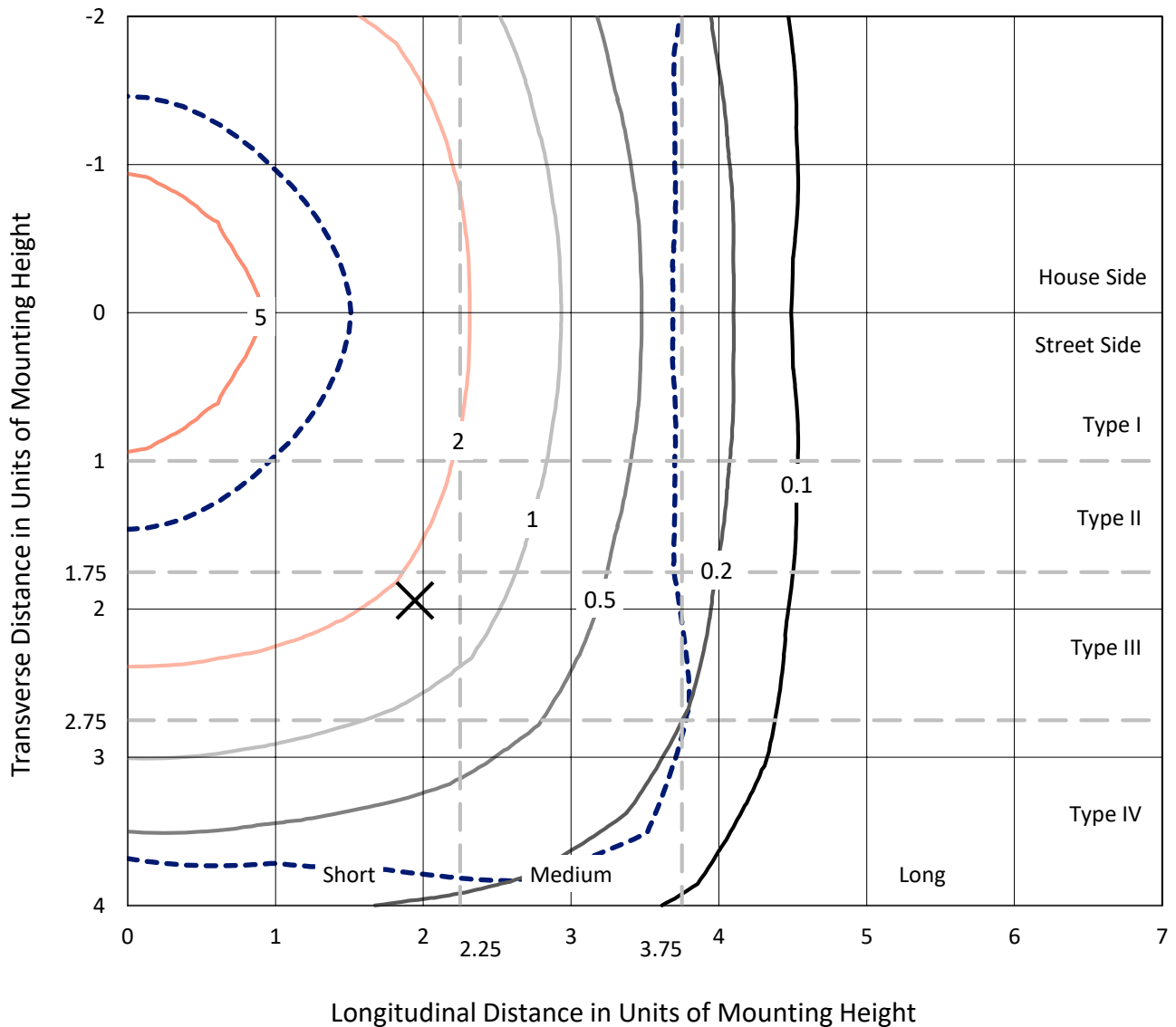
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

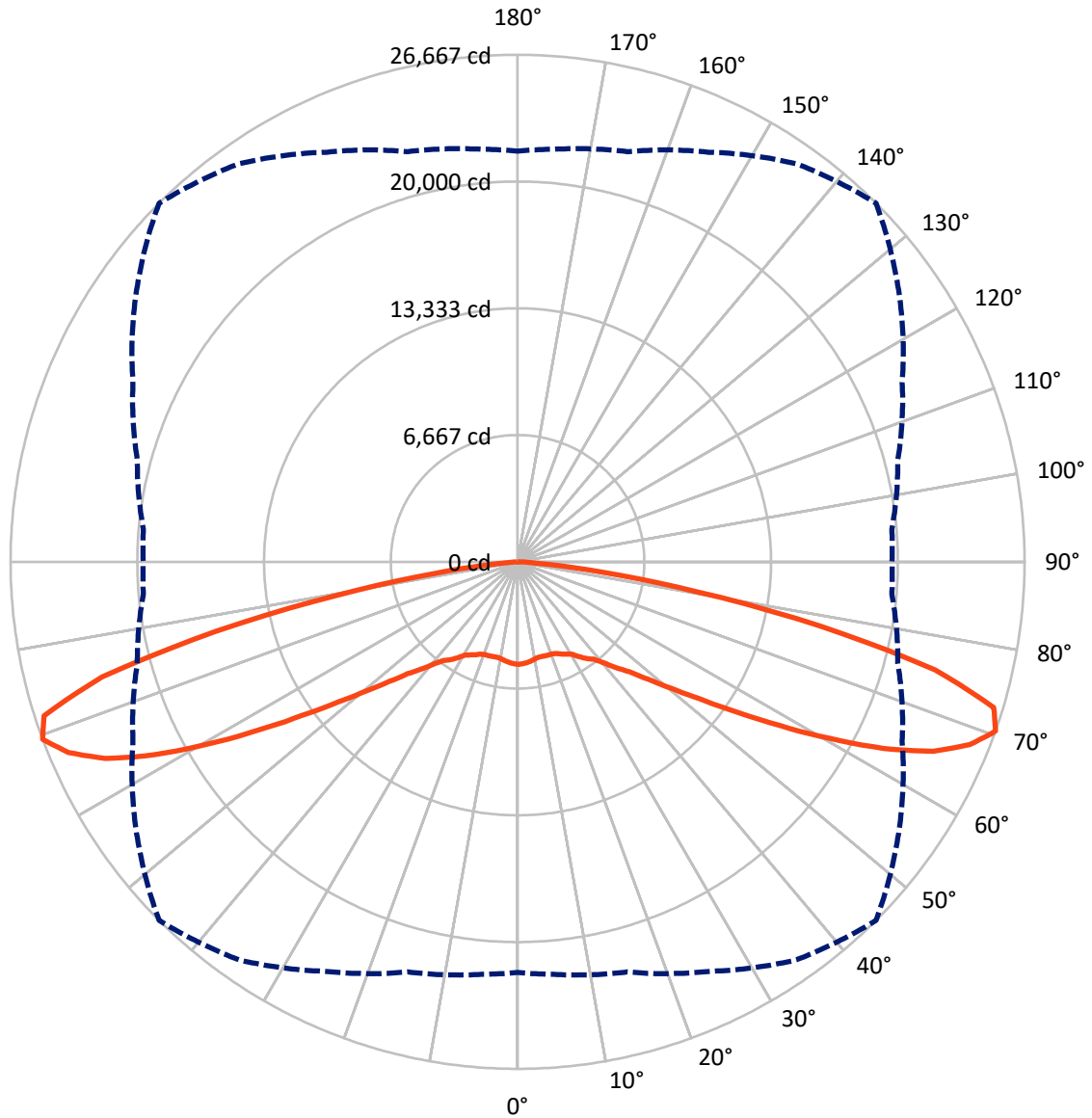
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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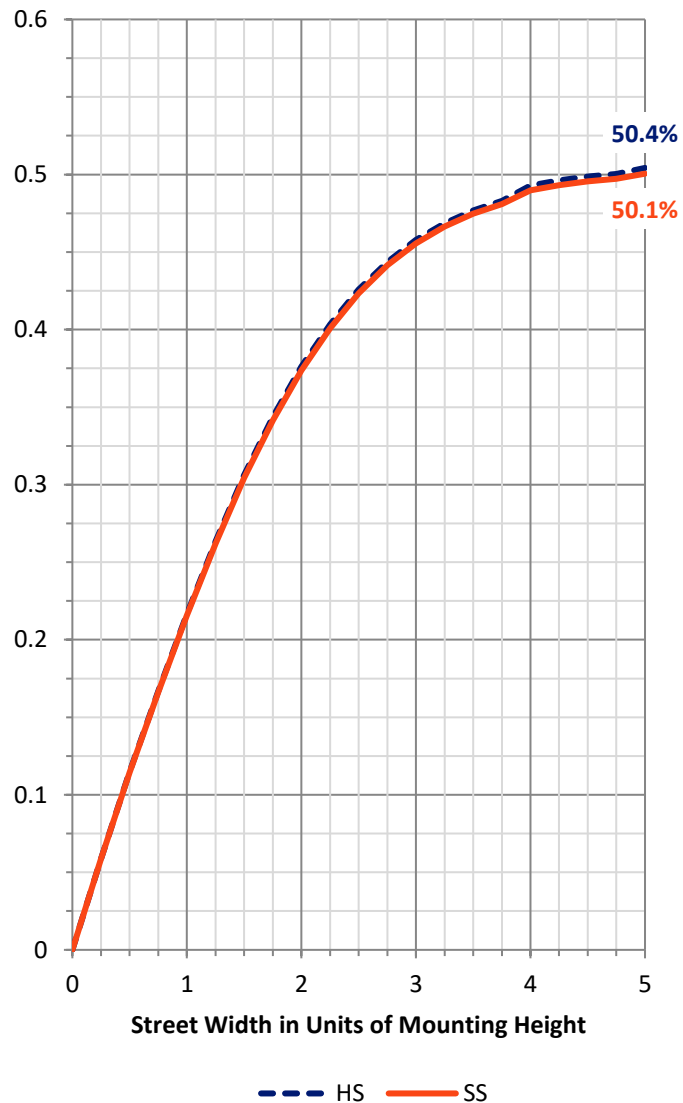
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32749.0	0.0	32749.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32749.0	0.0	32749.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65498.0	0.0	65498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.1	0.8
10°-20°	1469.6	2.2
20°-30°	2505.6	3.8
30°-40°	3915.1	6.0
40°-50°	6635.2	10.1
50°-60°	12099.9	18.5
60°-70°	20830.8	31.8
70°-80°	16327.9	24.9
80°-90°	1210.7	1.8
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°	65498.0	100.0
0°-180°	65498.0	100.0

Coefficient of Utilization

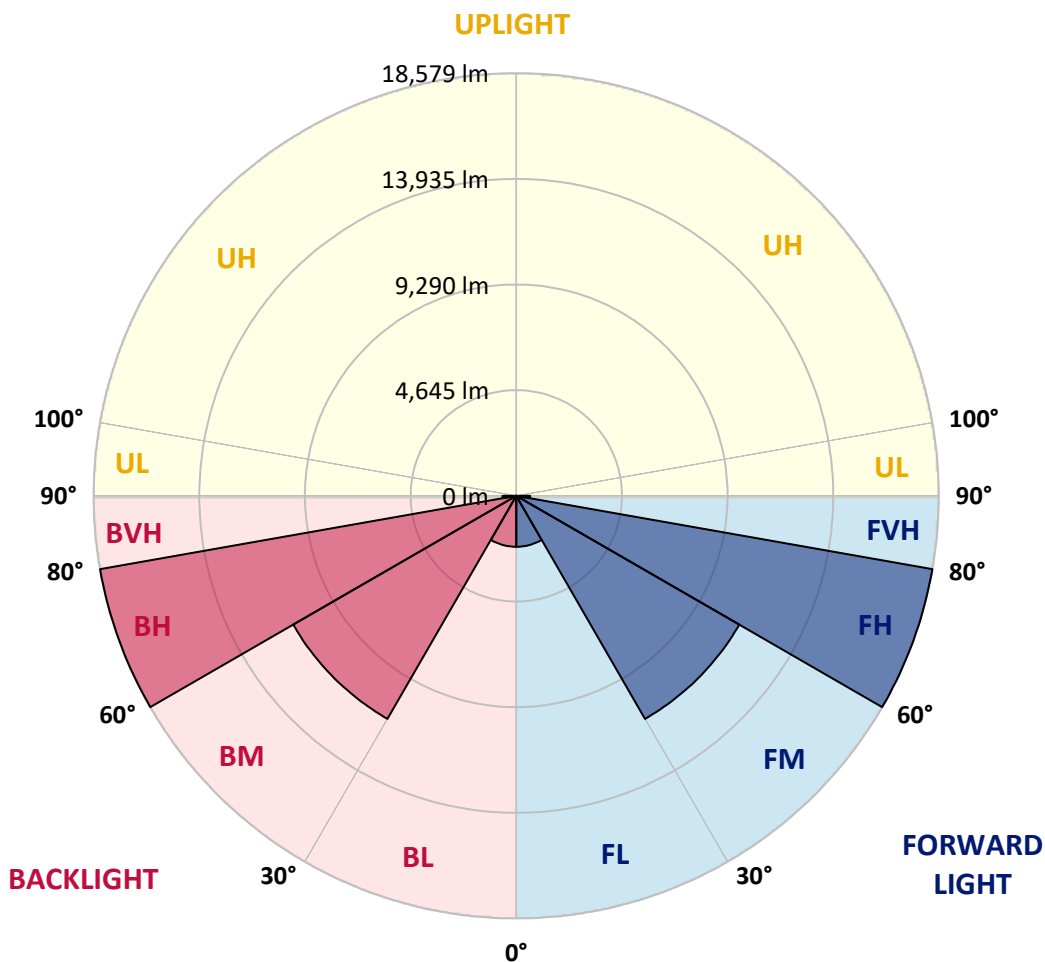


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2239.2	3.4			
FM (30°-60°)	11325.1	17.3			
FH (60°-80°)	18579.3	28.4			G5
FVH (80°-90°)	605.3	0.9			G4/750
BL (0°-30°)	2239.2	3.4	B3/2500		
BM (30°-60°)	11325.1	17.3	B5		
BH (60°-80°)	18579.3	28.4	B5		G5
BVH (80°-90°)	605.3	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5390.5	5390.5	5390.5	5390.5	5390.5	5390.5	5390.5	5390.5	5390.5	5390.5	5390.5
2.5°	5366.7	5373.2	5366.7	5371.0	5360.2	5364.5	5364.5	5364.5	5362.3	5364.5	5360.2
5°	5319.0	5323.3	5314.7	5319.0	5312.5	5319.0	5321.2	5319.0	5314.7	5316.8	5308.2
7.5°	5247.5	5251.8	5245.3	5251.8	5243.2	5254.0	5251.8	5245.3	5238.8	5238.8	5230.2
10°	5208.5	5210.7	5193.3	5186.8	5167.3	5171.7	5178.2	5184.7	5191.2	5204.2	5202.0
12.5°	5210.7	5210.7	5184.7	5156.5	5128.3	5134.8	5145.7	5169.5	5195.5	5219.3	5221.5
15°	5232.3	5230.2	5191.2	5145.7	5126.2	5145.7	5152.2	5167.3	5208.5	5249.7	5251.8
17.5°	5247.5	5247.5	5186.8	5134.8	5132.7	5163.0	5160.8	5167.3	5212.8	5273.5	5275.7
20°	5275.7	5275.7	5197.7	5141.3	5141.3	5173.8	5176.0	5186.8	5232.3	5299.5	5310.3
22.5°	5338.5	5340.7	5258.3	5212.8	5217.2	5236.7	5243.2	5260.5	5301.7	5375.3	5388.3
25°	5427.3	5431.7	5347.2	5321.2	5336.3	5373.2	5368.8	5381.8	5427.3	5498.8	5511.8
27.5°	5550.8	5540.0	5462.0	5451.2	5466.3	5492.3	5490.2	5492.3	5529.2	5594.2	5609.3
30°	5711.2	5706.8	5650.5	5657.0	5650.5	5641.8	5644.0	5661.3	5680.8	5732.8	5748.0
32.5°	5867.1	5871.5	5836.8	5869.3	5917.0	5949.5	5899.6	5852.0	5830.3	5858.5	5871.5
35°	6148.8	6159.6	6105.5	6083.8	6148.8	6244.1	6103.3	6025.3	6068.6	6105.5	6116.3
37.5°	6627.6	6634.1	6543.1	6456.5	6408.8	6499.8	6359.0	6365.5	6517.1	6586.5	6584.3
40°	7173.6	7175.8	7115.1	7039.3	6956.9	6978.6	6922.3	6939.6	7039.3	7102.1	7119.4
42.5°	7823.6	7817.1	7721.8	7613.4	7589.6	7611.3	7515.9	7502.9	7617.8	7730.4	7732.6
45°	8666.4	8651.2	8527.7	8408.6	8293.7	8246.1	8222.2	8285.1	8443.2	8547.2	8549.4
47.5°	9574.2	9533.0	9468.0	9372.7	9273.0	9225.4	9186.4	9216.7	9331.5	9372.7	9377.0
50°	10508.0	10516.7	10529.7	10492.8	10456.0	10440.8	10339.0	10280.5	10315.2	10239.3	10228.5
52.5°	11615.1	11632.5	11758.1	11864.3	11927.1	11959.6	11766.8	11565.3	11452.6	11305.3	11262.0
55°	12921.6	12949.8	13133.9	13428.6	13731.9	13892.2	13543.4	13166.4	12817.6	12542.4	12453.6
57.5°	14377.5	14427.4	14680.9	15246.3	15868.2	16247.3	15658.0	14973.4	14299.5	13903.1	13833.7
60°	16084.8	16132.5	16483.5	17293.8	18301.2	18871.1	17978.4	16858.3	16019.8	15640.7	15512.8
62.5°	18117.1	18121.4	18552.6	19499.4	20829.7	21622.6	20413.7	18916.6	18052.1	17594.9	17471.4
65°	20303.2	20314.0	20760.3	21783.0	23158.8	24021.1	22656.1	21096.2	20038.9	19365.0	19269.7
67.5°	21848.0	21893.5	22363.6	23594.2	24881.2	25659.0	24246.4	22482.8	21260.8	20457.0	20376.8
70°	21601.0	21778.6	22331.1	23767.6	25557.2	26666.5	24504.2	22318.1	20706.2	19757.2	19690.0
72.5°	18838.6	19178.7	19915.4	21800.3	24662.4	26189.8	23098.1	19989.0	18164.8	17356.6	17235.3
75°	12828.4	13380.9	14492.4	17211.4	21070.2	22675.6	19445.2	15937.5	14221.5	13103.6	13021.3
77.5°	5719.8	5845.5	7253.8	10384.5	14540.0	16284.1	14128.4	10425.7	7825.7	6242.0	5908.3
80°	1594.6	1614.1	2153.6	3867.4	7277.6	9567.7	7812.8	4062.4	2283.6	1609.8	1516.6
82.5°	507.0	550.3	671.6	1003.1	2446.1	4365.7	2511.1	1083.3	771.3	615.3	554.6
85°	247.0	244.8	340.2	407.3	624.0	966.3	665.1	502.7	439.8	292.5	264.3
87.5°	104.0	106.2	158.2	143.0	182.0	156.0	214.5	225.3	236.2	130.0	112.7
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)