

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: P316221

Luminaire Tested: **GAN-SA7D-750-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316221
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-SA7D-750-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 57806 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

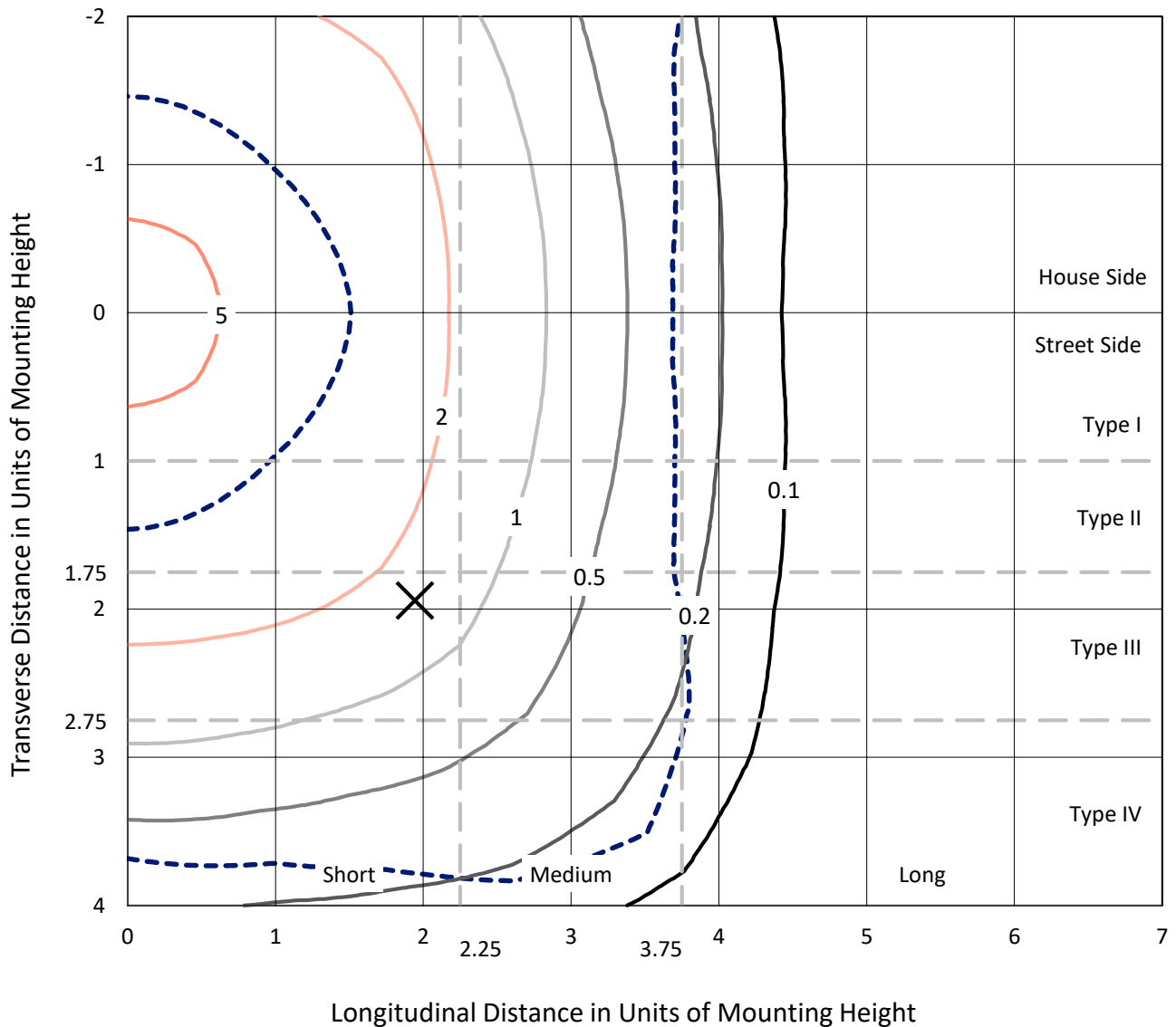
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

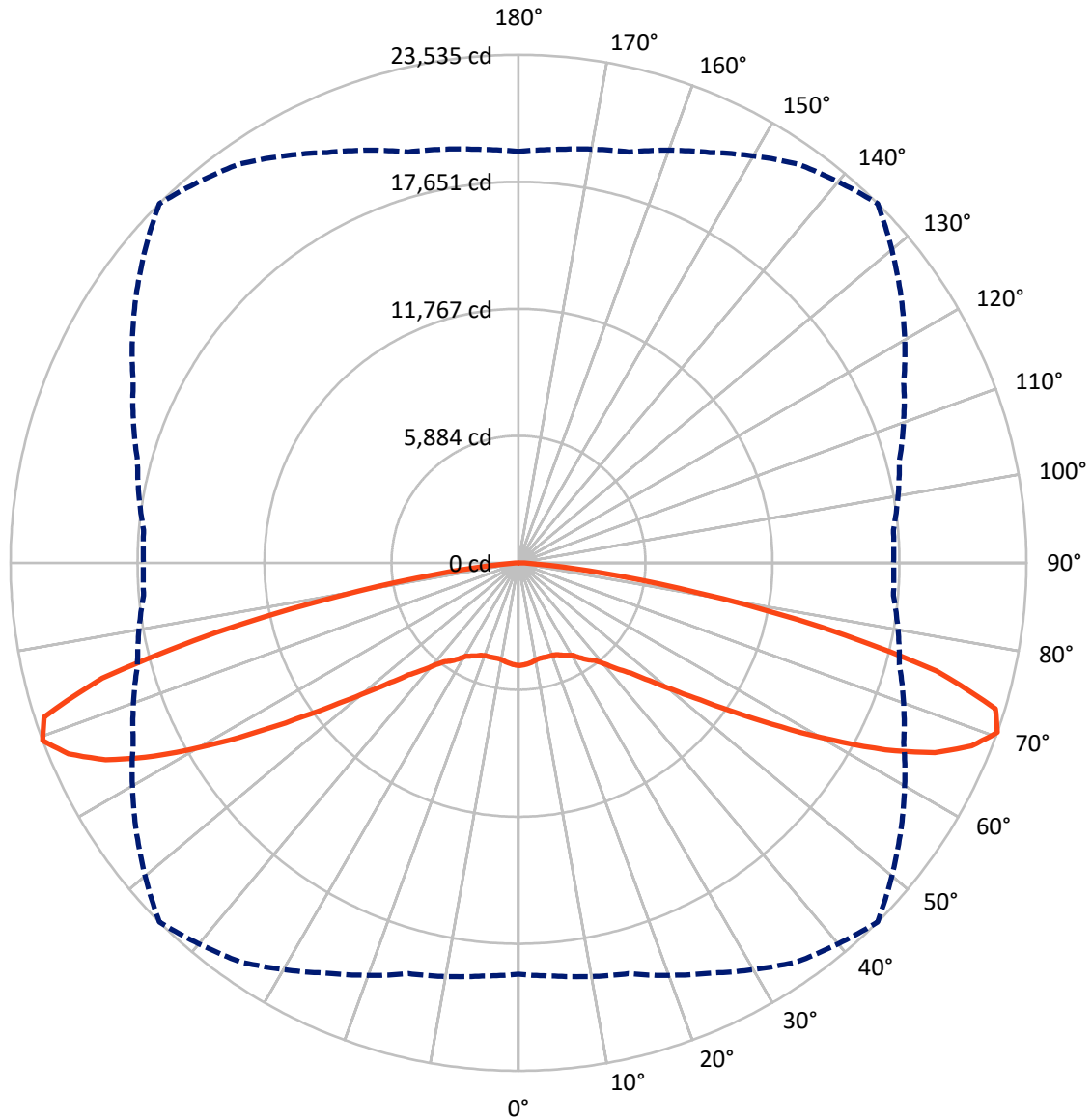
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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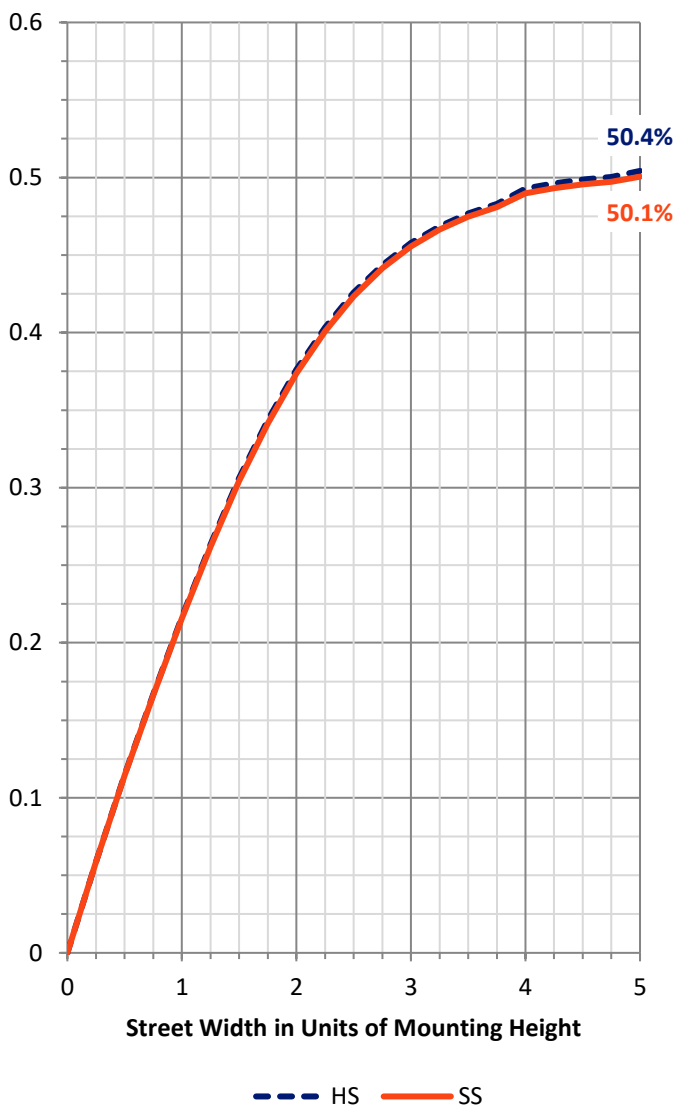
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28903.0	0.0	28903.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28903.0	0.0	28903.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57806.0	0.0	57806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.0	0.8
10°-20°	1297.0	2.2
20°-30°	2211.4	3.8
30°-40°	3455.3	6.0
40°-50°	5856.0	10.1
50°-60°	10678.9	18.5
60°-70°	18384.4	31.8
70°-80°	14410.4	24.9
80°-90°	1068.5	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°	57806.0	100.0
0°-180°	57806.0	100.0

Coefficient of Utilization



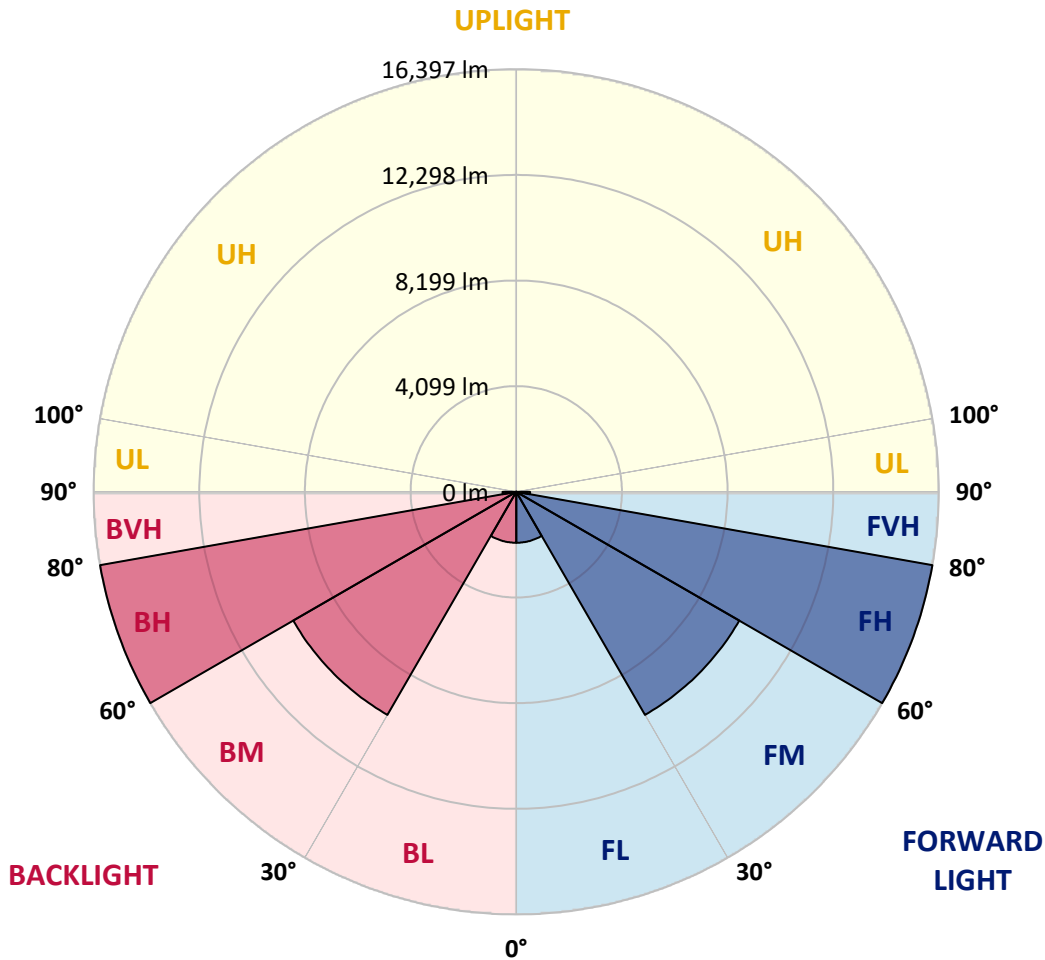
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.2	3.4			
FM (30°-60°)	9995.1	17.3			
FH (60°-80°)	16397.4	28.4			G5
FVH (80°-90°)	534.3	0.9			G4/750
BL (0°-30°)	1976.2	3.4	B3/2500		
BM (30°-60°)	9995.1	17.3	B5		
BH (60°-80°)	16397.4	28.4	B5		G5
BVH (80°-90°)	534.3	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°	4757.4	4757.4	4757.4	4757.4	4757.4	4757.4	4757.4	4757.4	4757.4	4757.4	4757.4
2.5°	4736.4	4742.1	4736.4	4740.2	4730.7	4734.5	4734.5	4734.5	4732.6	4734.5	4730.7
5°	4694.3	4698.2	4690.5	4694.3	4688.6	4694.3	4696.3	4694.3	4690.5	4692.4	4684.8
7.5°	4631.2	4635.1	4629.3	4635.1	4627.4	4637.0	4635.1	4629.3	4623.6	4623.6	4615.9
10°	4596.8	4598.7	4583.4	4577.7	4560.5	4564.3	4570.1	4575.8	4581.5	4593.0	4591.1
12.5°	4598.7	4598.7	4575.8	4550.9	4526.1	4531.8	4541.4	4562.4	4585.3	4606.4	4608.3
15°	4617.9	4615.9	4581.5	4541.4	4524.2	4541.4	4547.1	4560.5	4596.8	4633.2	4635.1
17.5°	4631.2	4631.2	4577.7	4531.8	4529.9	4556.7	4554.8	4560.5	4600.6	4654.2	4656.1
20°	4656.1	4656.1	4587.3	4537.5	4537.5	4566.2	4568.1	4577.7	4617.9	4677.1	4686.7
22.5°	4711.6	4713.5	4640.8	4600.6	4604.5	4621.7	4627.4	4642.7	4679.0	4744.1	4755.5
25°	4789.9	4793.8	4719.2	4696.3	4709.6	4742.1	4738.3	4749.8	4789.9	4853.0	4864.5
27.5°	4898.9	4889.4	4820.5	4811.0	4824.4	4847.3	4845.4	4847.3	4879.8	4937.2	4950.6
30°	5040.4	5036.6	4986.9	4992.6	4986.9	4979.3	4981.2	4996.5	5013.7	5059.6	5072.9
32.5°	5178.1	5181.9	5151.3	5180.0	5222.1	5250.8	5206.8	5164.7	5145.6	5170.5	5181.9
35°	5426.7	5436.3	5388.5	5369.3	5426.7	5510.8	5386.5	5317.7	5355.9	5388.5	5398.0
37.5°	5849.3	5855.0	5774.7	5698.2	5656.2	5736.5	5612.2	5617.9	5751.8	5813.0	5811.0
40°	6331.1	6333.1	6279.5	6212.6	6139.9	6159.1	6109.3	6124.6	6212.6	6268.0	6283.3
42.5°	6904.8	6899.1	6814.9	6719.3	6698.3	6717.4	6633.3	6621.8	6723.1	6822.6	6824.5
45°	7648.6	7635.2	7526.2	7421.1	7319.7	7277.7	7256.6	7312.1	7451.7	7543.5	7545.4
47.5°	8449.8	8413.5	8356.1	8272.0	8184.0	8142.0	8107.5	8134.3	8235.7	8272.0	8275.8
50°	9274.0	9281.6	9293.1	9260.6	9228.1	9214.7	9124.8	9073.2	9103.8	9036.8	9027.3
52.5°	10251.1	10266.4	10377.3	10471.0	10526.4	10555.1	10384.9	10207.1	10107.7	9977.6	9939.4
55°	11404.1	11429.0	11591.5	11851.5	12119.2	12260.7	11952.9	11620.2	11312.3	11069.5	10991.1
57.5°	12689.1	12733.0	12956.8	13455.8	14004.6	14339.3	13819.1	13214.9	12620.2	12270.3	12209.1
60°	14195.8	14237.9	14547.7	15262.8	16152.0	16654.9	15867.1	14878.5	14138.5	13803.8	13691.0
62.5°	15989.4	15993.3	16373.8	17209.4	18383.5	19083.3	18016.3	16695.0	15932.1	15528.6	15419.6
65°	17918.8	17928.4	18322.3	19224.8	20439.0	21200.1	19995.4	18618.7	17685.5	17090.8	17006.7
67.5°	19282.2	19322.3	19737.3	20823.4	21959.2	22645.7	21398.9	19842.4	18764.0	18054.6	17983.8
70°	19064.2	19221.0	19708.6	20976.3	22555.8	23534.8	21626.5	19697.1	18274.5	17436.9	17377.7
72.5°	16626.2	16926.4	17576.5	19240.1	21766.1	23114.1	20385.5	17641.5	16031.5	15318.3	15211.2
75°	11321.9	11809.5	12790.4	15190.2	18595.7	20012.6	17161.6	14065.8	12551.4	11564.7	11492.1
77.5°	5048.1	5159.0	6401.9	9165.0	12832.5	14371.8	12469.2	9201.3	6906.7	5508.9	5214.4
80°	1407.3	1424.6	1900.7	3413.2	6422.9	8444.1	6895.2	3585.3	2015.4	1420.7	1338.5
82.5°	447.4	485.7	592.8	885.3	2158.8	3853.0	2216.2	956.1	680.7	543.1	489.5
85°	218.0	216.1	300.2	359.5	550.7	852.8	587.0	443.6	388.2	258.1	233.3
87.5°	91.8	93.7	139.6	126.2	160.6	137.7	189.3	198.9	208.4	114.7	99.4
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)