

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: P316181

Luminaire Tested: **GAN-SA7D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316181
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 57808 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

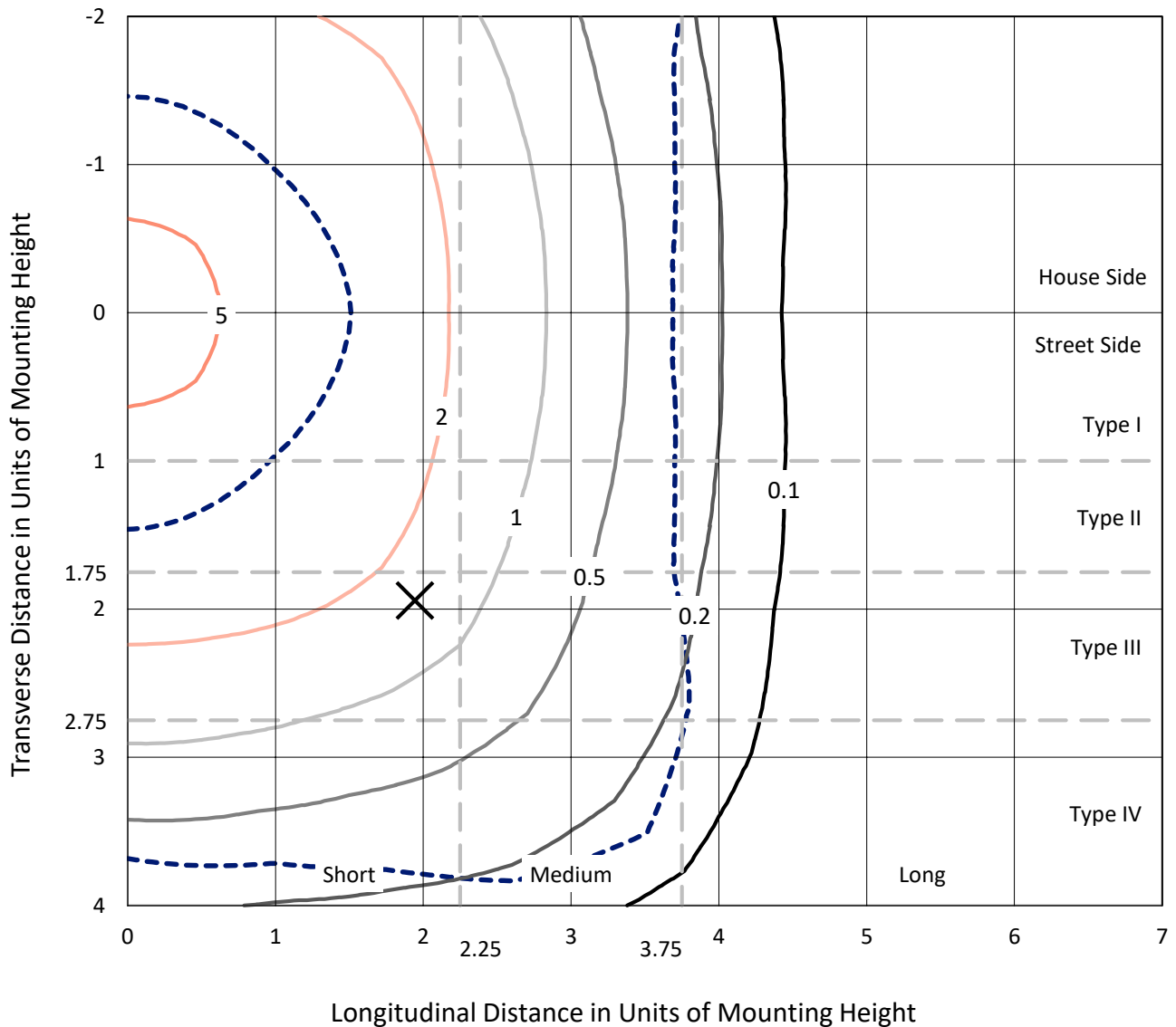
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316181
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Iso-Footcandle Lines of Horizontal Illumination

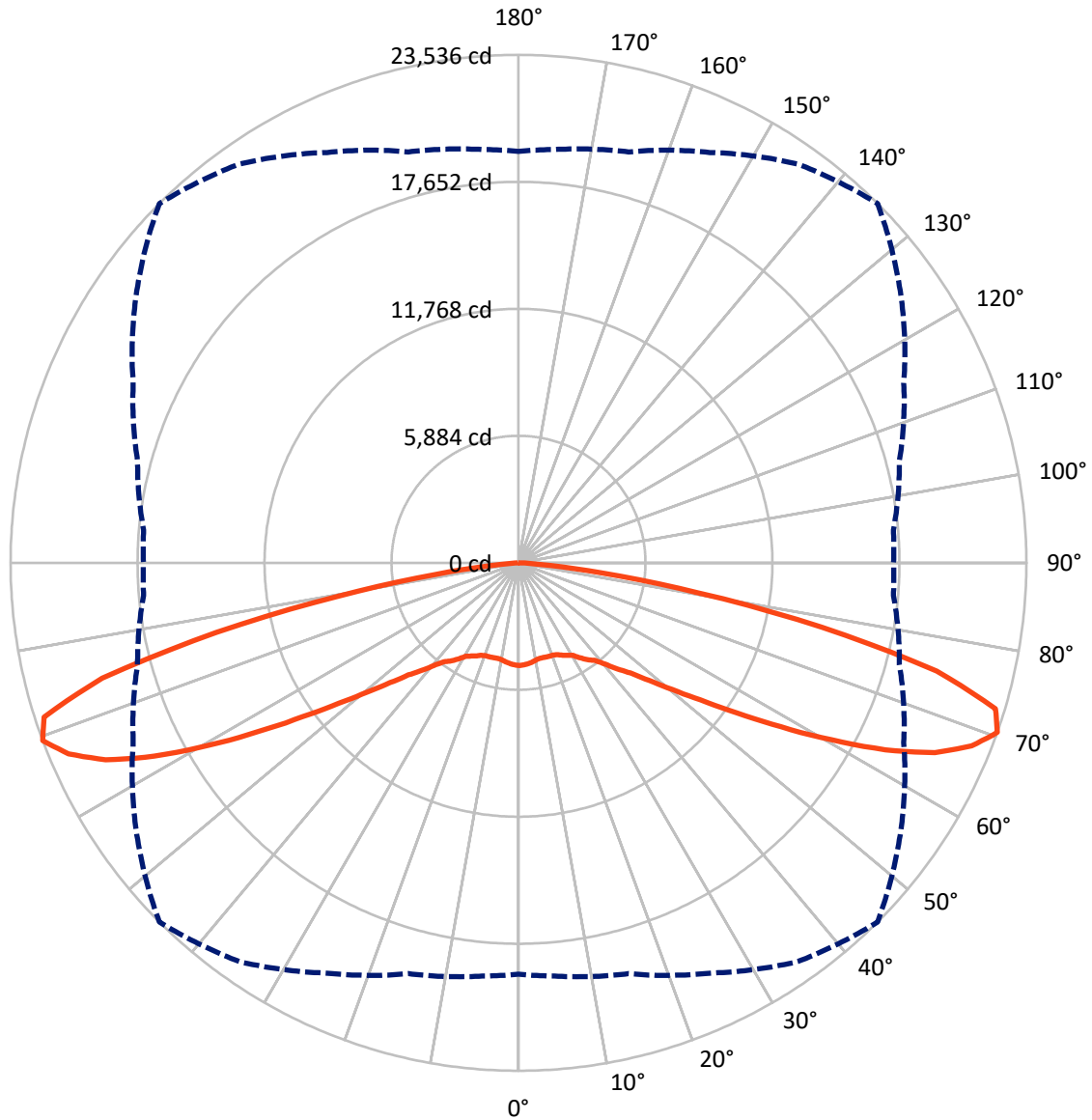
✕ Max cd
 - - - 1/2 Max cd



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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 CATALOG NUMBER: GAN-SA7D-740-U-5WQ

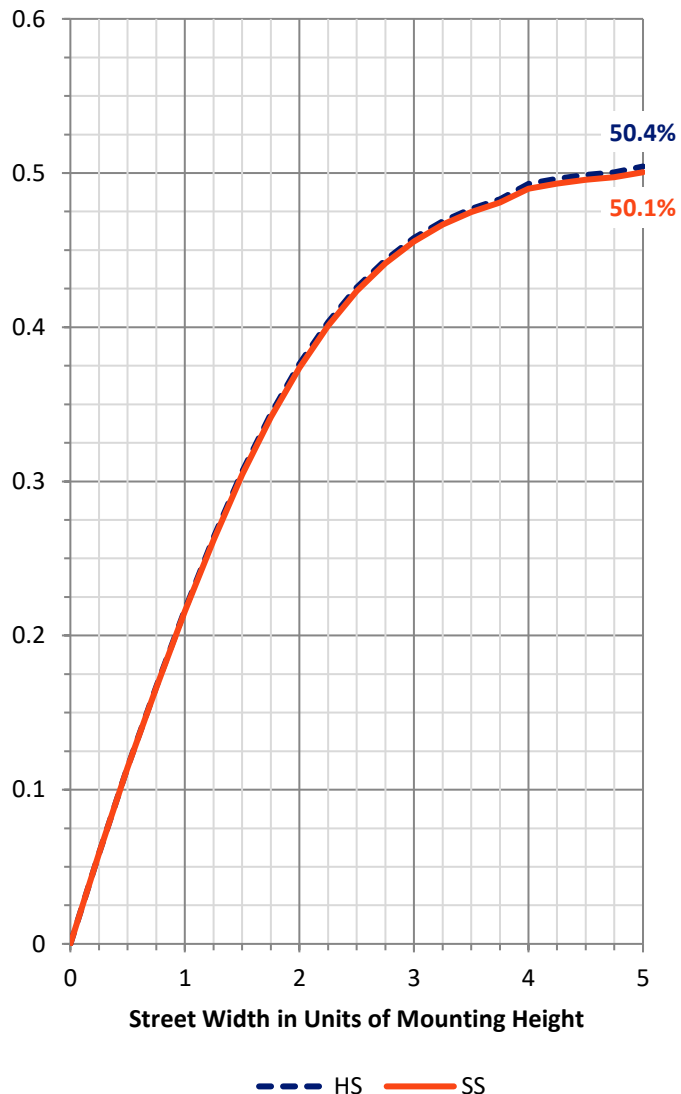
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28904.0	0.0	28904.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28904.0	0.0	28904.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57808.0	0.0	57808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	0.8
10°-20°	1297.1	2.2
20°-30°	2211.5	3.8
30°-40°	3455.5	6.0
40°-50°	5856.2	10.1
50°-60°	10679.2	18.5
60°-70°	18385.1	31.8
70°-80°	14410.9	24.9
80°-90°	1068.6	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°	57808.0	100.0
0°-180°	57808.0	100.0

Coefficient of Utilization

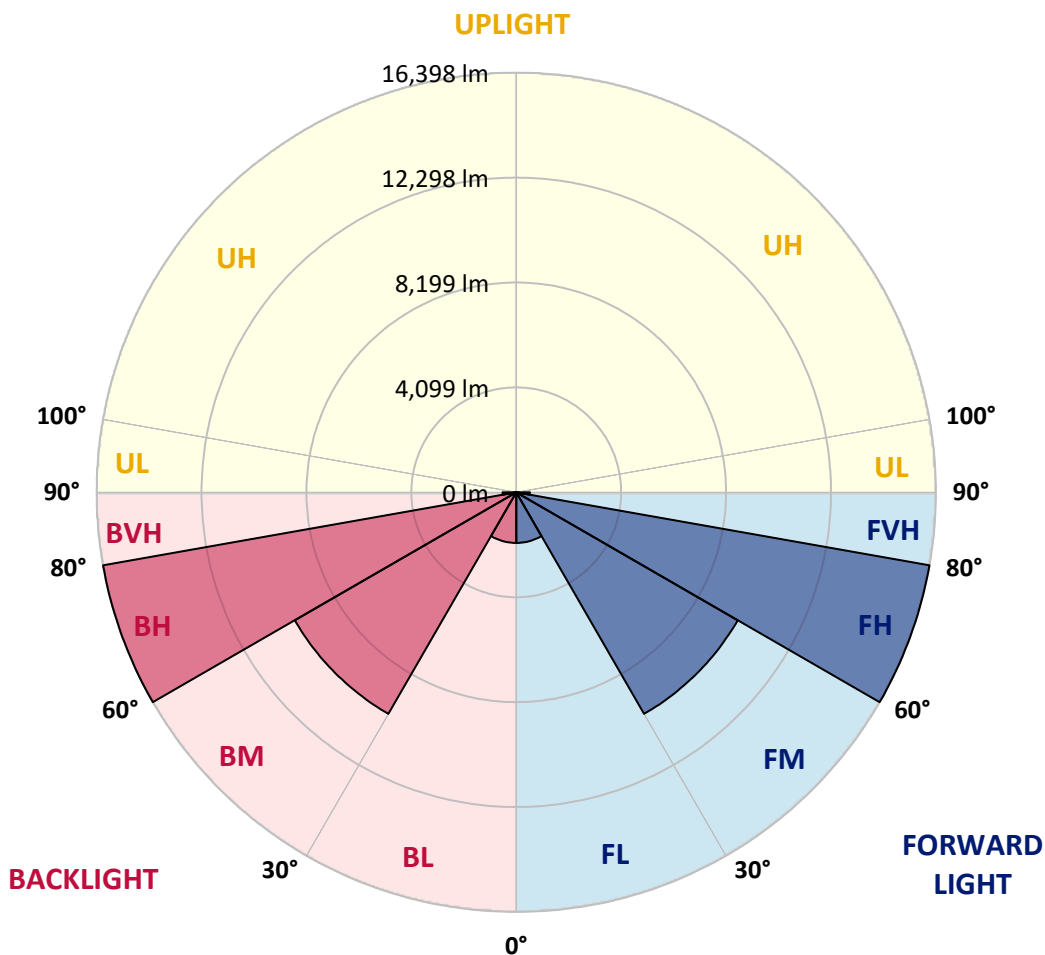


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.3	3.4			
FM (30°-60°)	9995.5	17.3			
FH (60°-80°)	16398.0	28.4			G5
FVH (80°-90°)	534.3	0.9			G4/750
BL (0°-30°)	1976.3	3.4	B3/2500		
BM (30°-60°)	9995.5	17.3	B5		
BH (60°-80°)	16398.0	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°	4757.6	4757.6	4757.6	4757.6	4757.6	4757.6	4757.6	4757.6	4757.6	4757.6	4757.6
2.5°	4736.6	4742.3	4736.6	4740.4	4730.8	4734.7	4734.7	4734.7	4732.7	4734.7	4730.8
5°	4694.5	4698.3	4690.7	4694.5	4688.8	4694.5	4696.4	4694.5	4690.7	4692.6	4684.9
7.5°	4631.4	4635.2	4629.5	4635.2	4627.6	4637.1	4635.2	4629.5	4623.8	4623.8	4616.1
10°	4597.0	4598.9	4583.6	4577.9	4560.6	4564.5	4570.2	4575.9	4581.7	4593.2	4591.2
12.5°	4598.9	4598.9	4575.9	4551.1	4526.2	4532.0	4541.5	4562.6	4585.5	4606.5	4608.5
15°	4618.0	4616.1	4581.7	4541.5	4524.3	4541.5	4547.3	4560.6	4597.0	4633.3	4635.2
17.5°	4631.4	4631.4	4577.9	4532.0	4530.1	4556.8	4554.9	4560.6	4600.8	4654.3	4656.3
20°	4656.3	4656.3	4587.4	4537.7	4537.7	4566.4	4568.3	4577.9	4618.0	4677.3	4686.9
22.5°	4711.7	4713.6	4641.0	4600.8	4604.6	4621.8	4627.6	4642.9	4679.2	4744.2	4755.7
25°	4790.1	4793.9	4719.4	4696.4	4709.8	4742.3	4738.5	4750.0	4790.1	4853.2	4864.7
27.5°	4899.1	4889.5	4820.7	4811.1	4824.5	4847.5	4845.6	4847.5	4880.0	4937.4	4950.7
30°	5040.6	5036.8	4987.1	4992.8	4987.1	4979.4	4981.3	4996.6	5013.8	5059.7	5073.1
32.5°	5178.3	5182.1	5151.5	5180.2	5222.3	5251.0	5207.0	5164.9	5145.8	5170.6	5182.1
35°	5426.9	5436.4	5388.6	5369.5	5426.9	5511.0	5386.7	5317.9	5356.1	5388.6	5398.2
37.5°	5849.5	5855.2	5774.9	5698.4	5656.4	5736.7	5612.4	5618.1	5752.0	5813.2	5811.2
40°	6331.4	6333.3	6279.7	6212.8	6140.1	6159.3	6109.5	6124.8	6212.8	6268.3	6283.6
42.5°	6905.0	6899.3	6815.2	6719.5	6698.5	6717.6	6633.5	6622.0	6723.4	6822.8	6824.7
45°	7648.9	7635.5	7526.5	7421.3	7320.0	7277.9	7256.9	7312.3	7451.9	7543.7	7545.6
47.5°	8450.1	8413.8	8356.4	8272.3	8184.3	8142.2	8107.8	8134.6	8235.9	8272.3	8276.1
50°	9274.3	9281.9	9293.4	9260.9	9228.4	9215.0	9125.1	9073.5	9104.1	9037.2	9027.6
52.5°	10251.4	10266.7	10377.6	10471.3	10526.8	10555.5	10385.3	10207.4	10108.0	9978.0	9939.7
55°	11404.5	11429.3	11591.9	11851.9	12119.7	12261.2	11953.3	11620.6	11312.7	11069.8	10991.4
57.5°	12689.5	12733.5	12957.2	13456.3	14005.1	14339.7	13819.6	13215.4	12620.7	12270.7	12209.5
60°	14196.3	14238.4	14548.2	15263.3	16152.5	16655.4	15867.6	14879.0	14139.0	13804.3	13691.5
62.5°	15990.0	15993.8	16374.4	17210.0	18384.1	19084.0	18016.9	16695.6	15932.6	15529.1	15420.2
65°	17919.4	17929.0	18322.9	19225.5	20439.7	21200.8	19996.1	18619.3	17686.1	17091.4	17007.3
67.5°	19282.8	19323.0	19737.9	20824.1	21959.9	22646.4	21399.7	19843.1	18764.6	18055.2	17984.4
70°	19064.8	19221.6	19709.3	20977.1	22556.6	23535.6	21627.2	19697.8	18275.1	17437.5	17378.3
72.5°	16626.8	16927.0	17577.1	19240.8	21766.8	23114.9	20386.2	17642.2	16032.1	15318.8	15211.7
75°	11322.3	11809.9	12790.8	15190.7	18596.4	20013.3	17162.2	14066.3	12551.8	11565.1	11492.4
77.5°	5048.3	5159.2	6402.1	9165.3	12832.9	14372.3	12469.6	9201.6	6906.9	5509.1	5214.6
80°	1407.4	1424.6	1900.7	3413.3	6423.2	8444.4	6895.5	3585.4	2015.5	1420.8	1338.6
82.5°	447.5	485.7	592.8	885.4	2158.9	3853.1	2216.3	956.1	680.8	543.1	489.5
85°	218.0	216.1	300.2	359.5	550.7	852.9	587.1	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)