

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: P316180

Luminaire Tested: **GAN-SA6D-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316180
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-SA6D-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 48881 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

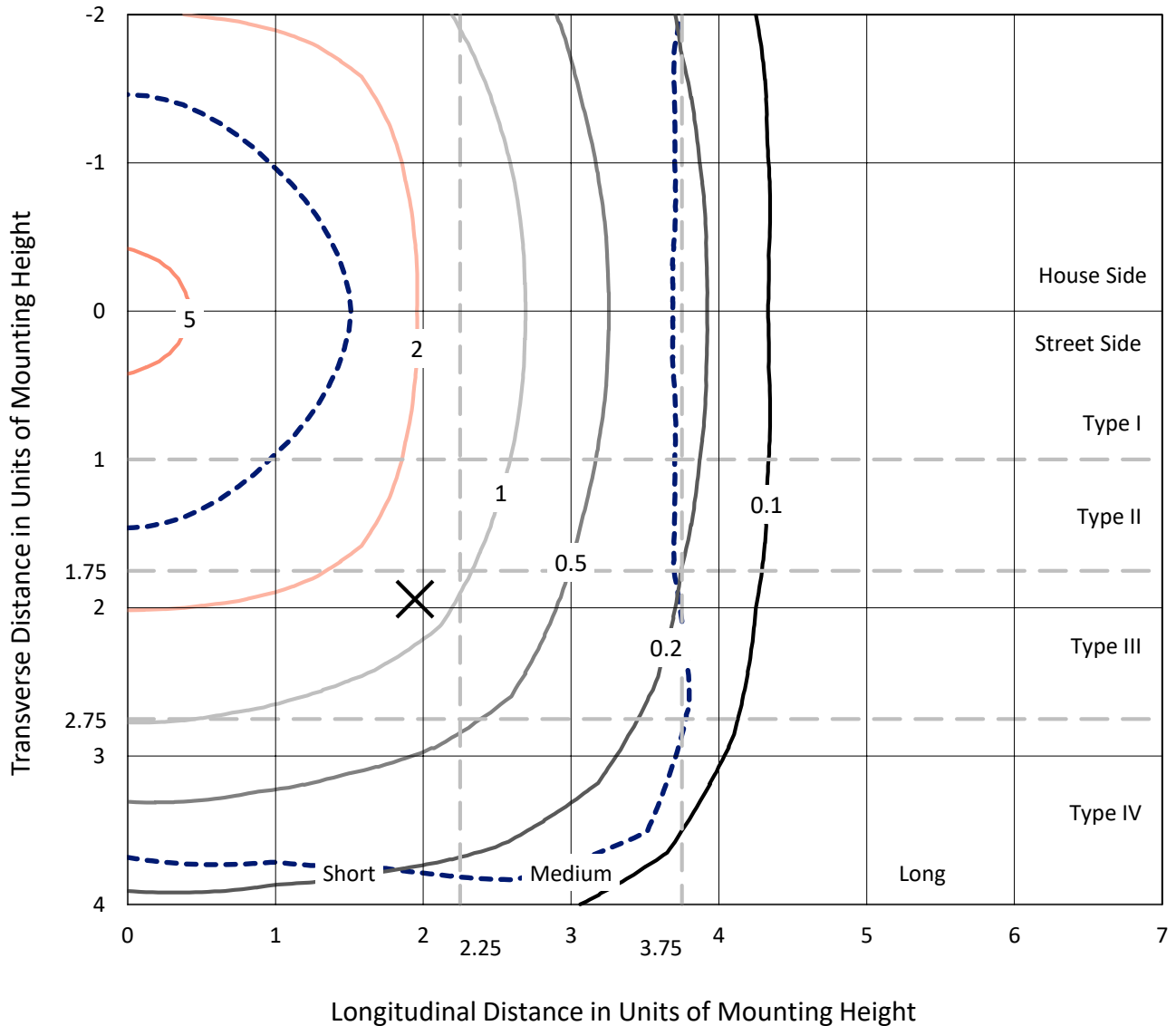
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

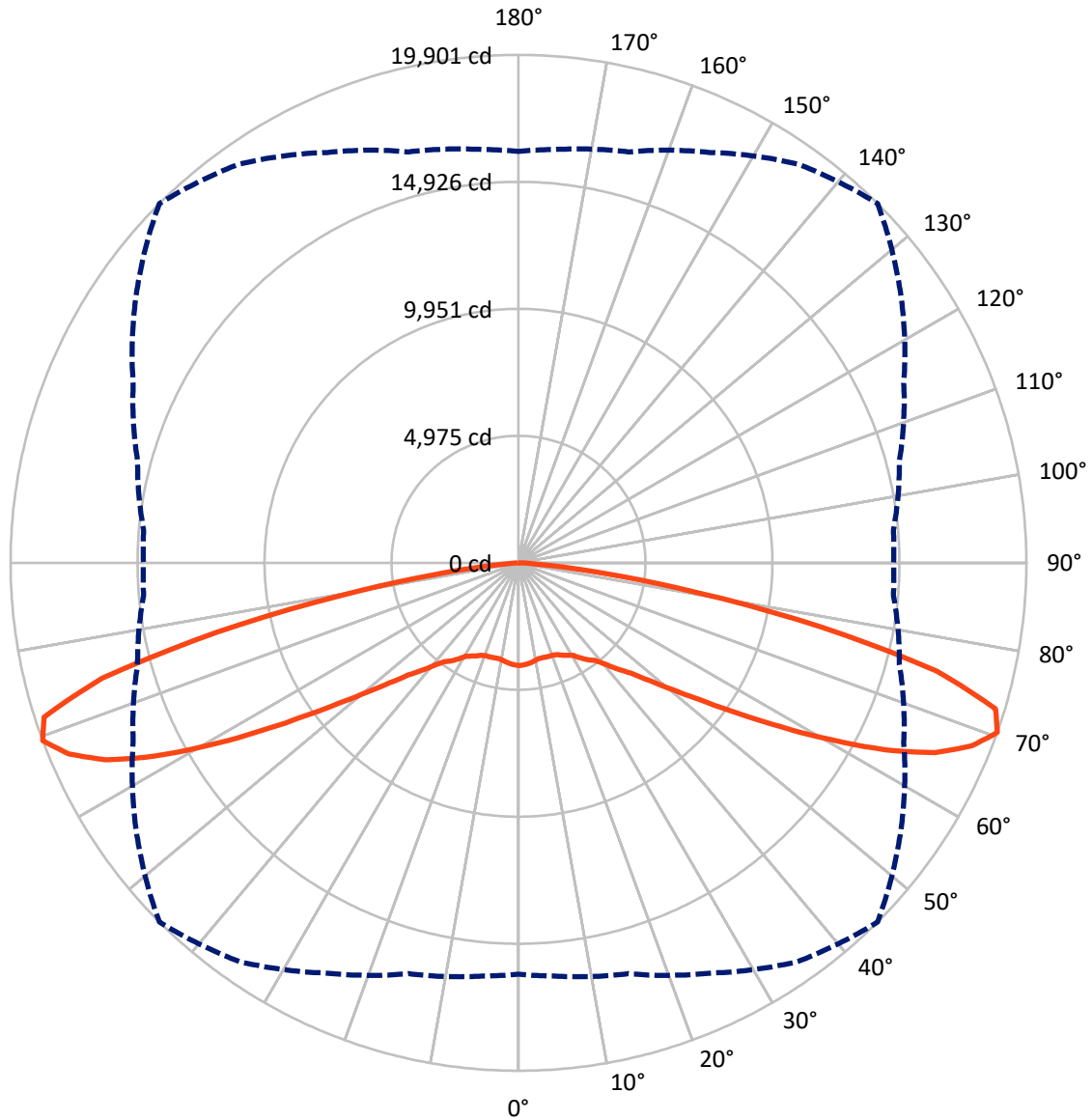
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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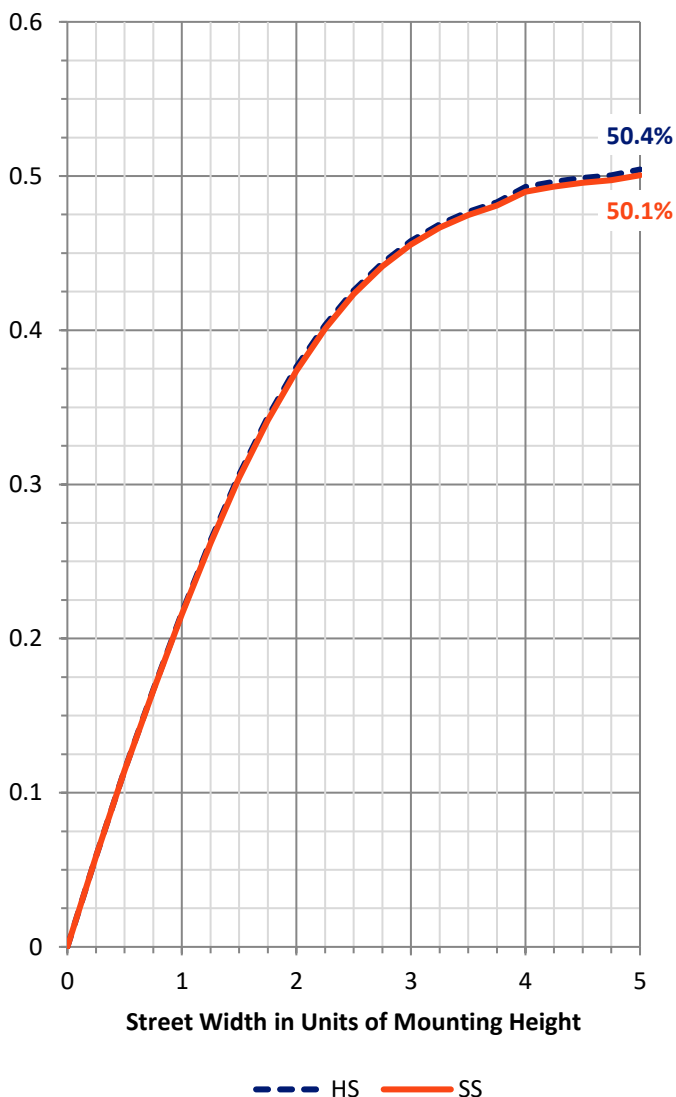
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24440.5	0.0	24440.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24440.5	0.0	24440.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	48881.0	0.0	48881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.5	0.8
10°-20°	1096.8	2.2
20°-30°	1869.9	3.8
30°-40°	2921.9	6.0
40°-50°	4951.9	10.1
50°-60°	9030.1	18.5
60°-70°	15545.9	31.8
70°-80°	12185.5	24.9
80°-90°	903.5	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°	48881.0	100.0
0°-180°	48881.0	100.0

Coefficient of Utilization

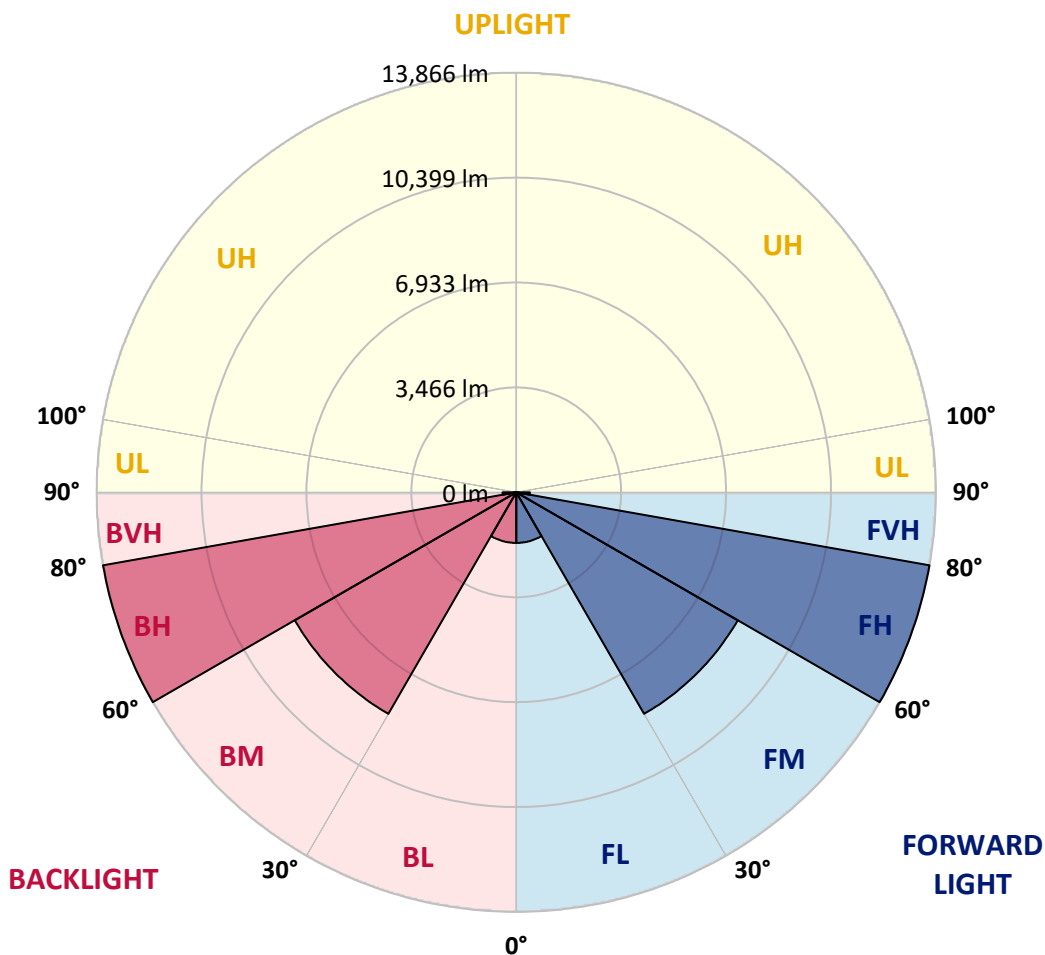


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1671.1	3.4			
FM (30°-60°)	8451.9	17.3			
FH (60°-80°)	13865.7	28.4			G5
FVH (80°-90°)	451.8	0.9			G3/500
BL (0°-30°)	1671.1	3.4	B3/2500		
BM (30°-60°)	8451.9	17.3	B4/8500		
BH (60°-80°)	13865.7	28.4	B5		G5
BVH (80°-90°)	451.8	0.9			G3/500
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°	4022.9	4022.9	4022.9	4022.9	4022.9	4022.9	4022.9	4022.9	4022.9	4022.9	4022.9
2.5°	4005.1	4010.0	4005.1	4008.4	4000.3	4003.5	4003.5	4003.5	4001.9	4003.5	4000.3
5°	3969.6	3972.8	3966.3	3969.6	3964.7	3969.6	3971.2	3969.6	3966.3	3967.9	3961.5
7.5°	3916.2	3919.4	3914.6	3919.4	3913.0	3921.0	3919.4	3914.6	3909.7	3909.7	3903.3
10°	3887.1	3888.7	3875.8	3870.9	3856.4	3859.6	3864.5	3869.3	3874.2	3883.9	3882.2
12.5°	3888.7	3888.7	3869.3	3848.3	3827.3	3832.1	3840.2	3858.0	3877.4	3895.2	3896.8
15°	3904.9	3903.3	3874.2	3840.2	3825.6	3840.2	3845.1	3856.4	3887.1	3917.8	3919.4
17.5°	3916.2	3916.2	3870.9	3832.1	3830.5	3853.1	3851.5	3856.4	3890.3	3935.6	3937.2
20°	3937.2	3937.2	3879.0	3837.0	3837.0	3861.2	3862.8	3870.9	3904.9	3955.0	3963.1
22.5°	3984.1	3985.7	3924.3	3890.3	3893.6	3908.1	3913.0	3925.9	3956.6	4011.6	4021.3
25°	4050.4	4053.6	3990.6	3971.2	3982.5	4010.0	4006.7	4016.4	4050.4	4103.8	4113.5
27.5°	4142.6	4134.5	4076.3	4068.2	4079.5	4098.9	4097.3	4098.9	4126.4	4174.9	4186.2
30°	4262.2	4259.0	4216.9	4221.8	4216.9	4210.5	4212.1	4225.0	4239.6	4278.4	4289.7
32.5°	4378.6	4381.9	4356.0	4380.3	4415.8	4440.1	4402.9	4367.3	4351.1	4372.2	4381.9
35°	4588.8	4596.9	4556.5	4540.3	4588.8	4660.0	4554.9	4496.7	4529.0	4556.5	4564.6
37.5°	4946.2	4951.0	4883.1	4818.4	4782.9	4850.8	4745.7	4750.5	4863.7	4915.5	4913.8
40°	5353.6	5355.3	5310.0	5253.4	5192.0	5208.1	5166.1	5179.0	5253.4	5300.3	5313.2
42.5°	5838.7	5833.9	5762.7	5681.9	5664.1	5680.3	5609.1	5599.4	5685.1	5769.2	5770.8
45°	6467.7	6456.4	6364.2	6275.3	6189.6	6154.0	6136.2	6183.1	6301.2	6378.8	6380.4
47.5°	7145.2	7114.5	7066.0	6994.8	6920.4	6884.9	6855.8	6878.4	6964.1	6994.8	6998.1
50°	7842.1	7848.6	7858.3	7830.8	7803.3	7792.0	7716.0	7672.3	7698.2	7641.6	7633.5
52.5°	8668.3	8681.3	8775.1	8854.3	8901.2	8925.4	8781.5	8631.2	8547.1	8437.1	8404.8
55°	9643.3	9664.4	9801.8	10021.7	10248.1	10367.7	10107.4	9826.1	9565.7	9360.4	9294.1
57.5°	10729.9	10767.1	10956.3	11378.3	11842.4	12125.3	11685.5	11174.6	10671.7	10375.8	10324.1
60°	12004.1	12039.6	12301.6	12906.3	13658.2	14083.4	13417.3	12581.3	11955.6	11672.6	11577.2
62.5°	13520.7	13524.0	13845.7	14552.3	15545.1	16136.9	15234.7	14117.4	13472.2	13131.1	13038.9
65°	15152.2	15160.3	15493.4	16256.6	17283.3	17926.9	16908.2	15744.0	14955.0	14452.1	14380.9
67.5°	16305.1	16339.0	16689.9	17608.3	18568.8	19149.3	18095.0	16778.8	15866.9	15267.0	15207.2
70°	16120.8	16253.3	16665.7	17737.7	19073.3	19901.1	18287.4	16656.0	15453.0	14744.8	14694.6
72.5°	14059.2	14313.0	14862.8	16269.5	18405.5	19545.4	17238.1	14917.8	13556.3	12953.2	12862.6
75°	9573.8	9986.1	10815.6	12844.9	15724.6	16922.8	14511.9	11894.1	10613.5	9779.2	9717.7
77.5°	4268.7	4362.5	5413.5	7749.9	10851.2	12152.8	10544.0	7780.7	5840.3	4658.4	4409.4
80°	1190.1	1204.6	1607.2	2886.2	5431.3	7140.3	5830.6	3031.7	1704.2	1201.4	1131.8
82.5°	378.4	410.7	501.2	748.6	1825.5	3258.1	1874.0	808.5	575.6	459.2	413.9
85°	184.3	182.7	253.9	304.0	465.7	721.1	496.4	375.1	328.2	218.3	197.3
87.5°	77.6	79.2	118.0	106.7	135.8	116.4	160.1	168.2	176.2	97.0	84.1
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)