

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: P316260

Luminaire Tested: **GAN-SA6D-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316260
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-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 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: 48880 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

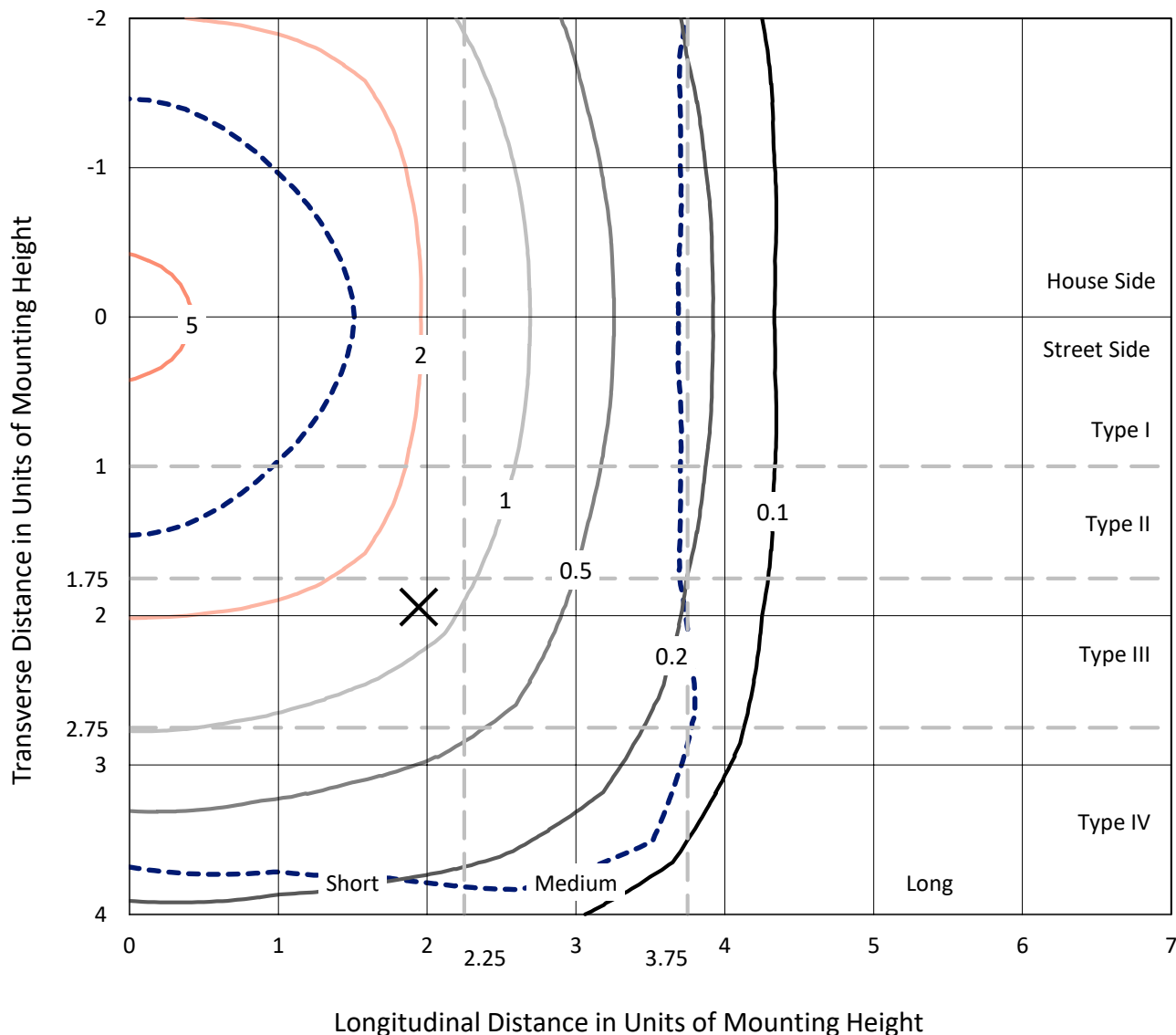
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316260
 CATALOG NUMBER: GAN-SA6D-760-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

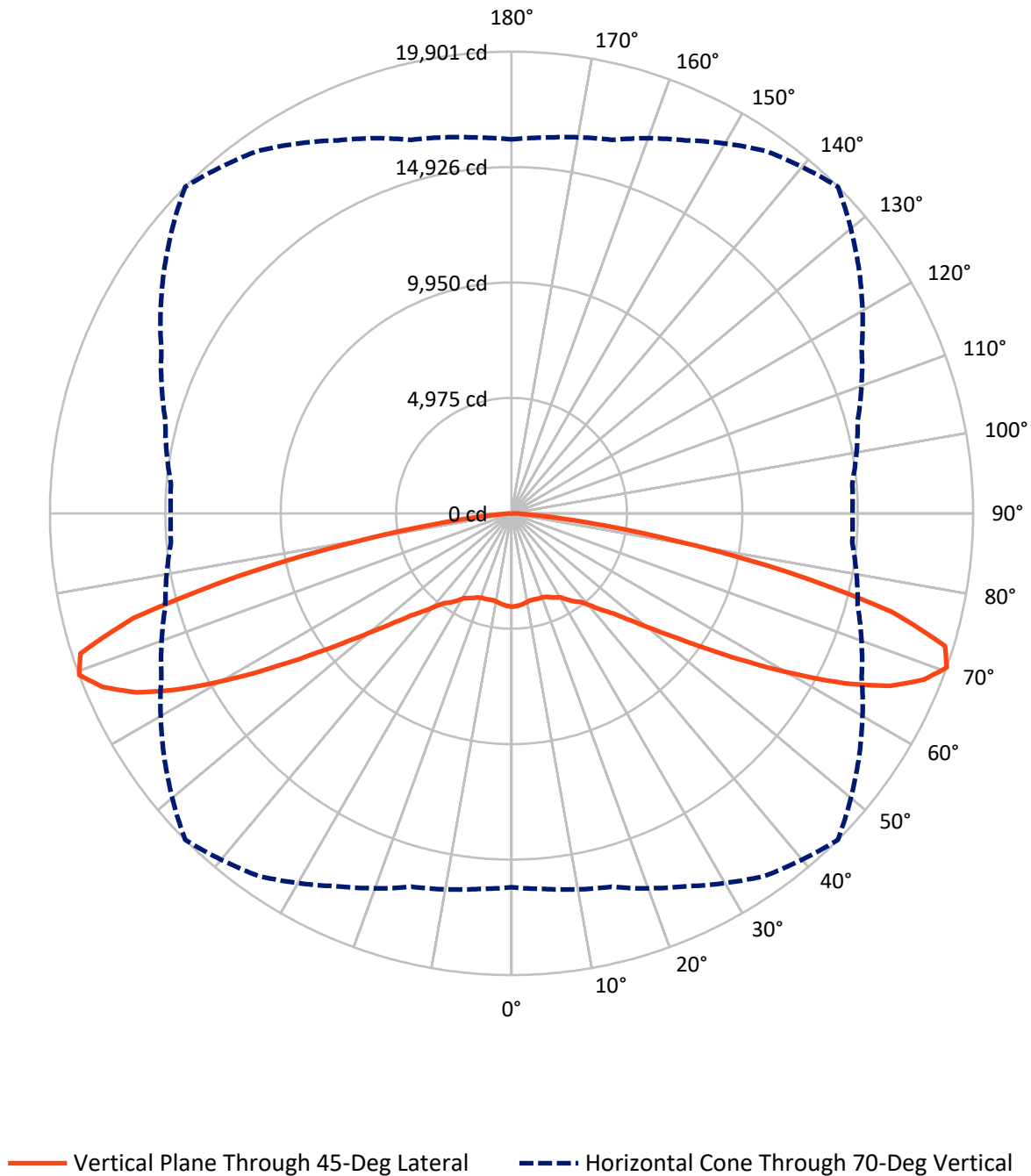
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

REPORT NUMBER: P316260
CATALOG NUMBER: GAN-SA6D-760-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24440.0	0.0	24440.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24440.0	0.0	24440.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48880.0	0.0	48880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.5	0.8
10°-20°	1096.7	2.2
20°-30°	1869.9	3.8
30°-40°	2921.8	6.0
40°-50°	4951.8	10.1
50°-60°	9029.9	18.5
60°-70°	15545.6	31.8
70°-80°	12185.3	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°	48880.0	100.0
0°-180°	48880.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316260

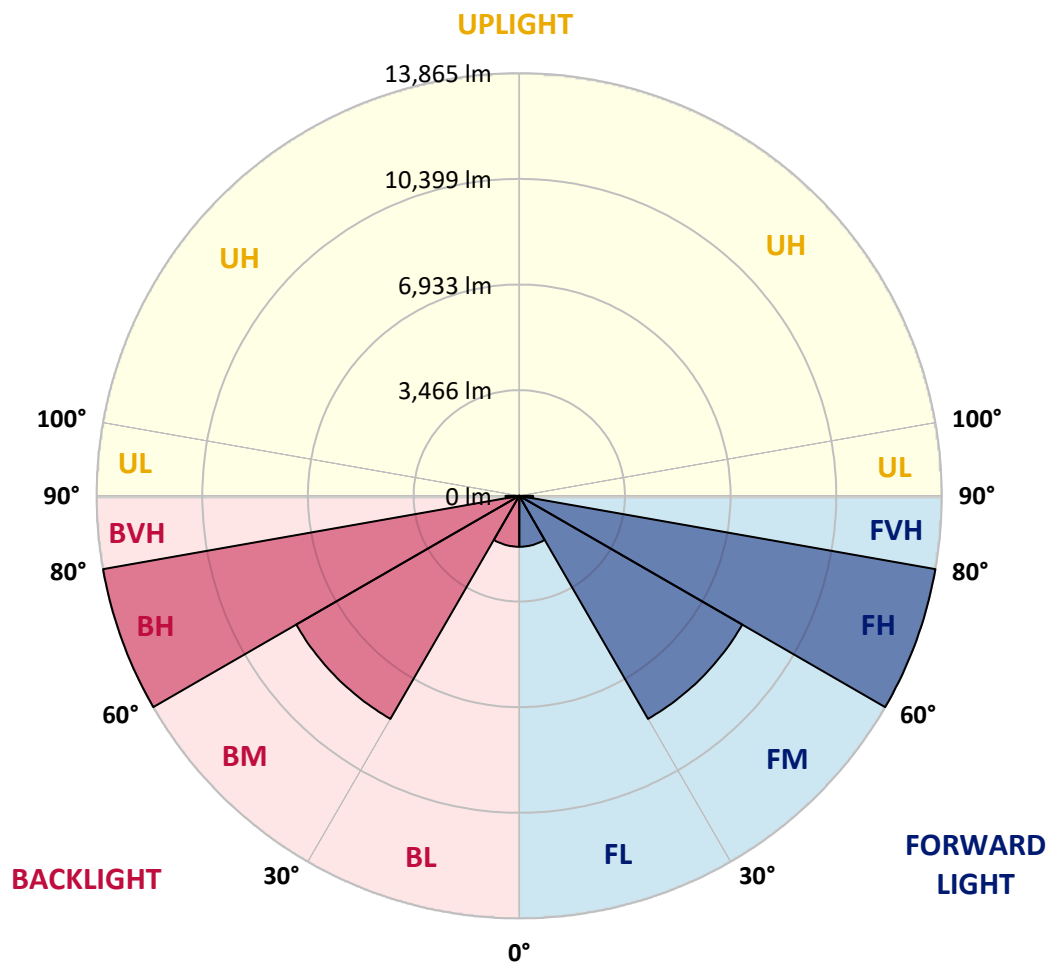
CATALOG NUMBER: GAN-SA6D-760-U-5WQ

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°)	8451.7	17.3			
FH	(60°-80°)	13865.4	28.4			G5
FVH	(80°-90°)	451.8	0.9			G3/500
BL	(0°-30°)	1671.1	3.4	B3/2500		
BM	(30°-60°)	8451.7	17.3	B4/8500		
BH	(60°-80°)	13865.4	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°	4022.8	4022.8	4022.8	4022.8	4022.8	4022.8	4022.8	4022.8	4022.8	4022.8	4022.8
2.5°	4005.0	4009.9	4005.0	4008.3	4000.2	4003.4	4003.4	4003.4	4001.8	4003.4	4000.2
5°	3969.5	3972.7	3966.2	3969.5	3964.6	3969.5	3971.1	3969.5	3966.2	3967.9	3961.4
7.5°	3916.1	3919.3	3914.5	3919.3	3912.9	3921.0	3919.3	3914.5	3909.6	3909.6	3903.2
10°	3887.0	3888.6	3875.7	3870.8	3856.3	3859.5	3864.4	3869.2	3874.1	3883.8	3882.2
12.5°	3888.6	3888.6	3869.2	3848.2	3827.2	3832.0	3840.1	3857.9	3877.3	3895.1	3896.7
15°	3904.8	3903.2	3874.1	3840.1	3825.6	3840.1	3845.0	3856.3	3887.0	3917.7	3919.3
17.5°	3916.1	3916.1	3870.8	3832.0	3830.4	3853.1	3851.4	3856.3	3890.2	3935.5	3937.1
20°	3937.1	3937.1	3878.9	3836.9	3836.9	3861.1	3862.8	3870.8	3904.8	3954.9	3963.0
22.5°	3984.0	3985.6	3924.2	3890.2	3893.5	3908.0	3912.9	3925.8	3956.5	4011.5	4021.2
25°	4050.3	4053.6	3990.5	3971.1	3982.4	4009.9	4006.7	4016.4	4050.3	4103.7	4113.4
27.5°	4142.5	4134.4	4076.2	4068.1	4079.4	4098.8	4097.2	4098.8	4126.3	4174.8	4186.1
30°	4262.1	4258.9	4216.9	4221.7	4216.9	4210.4	4212.0	4224.9	4239.5	4278.3	4289.6
32.5°	4378.5	4381.8	4355.9	4380.2	4415.7	4440.0	4402.8	4367.2	4351.1	4372.1	4381.8
35°	4588.7	4596.8	4556.4	4540.2	4588.7	4659.9	4554.8	4496.6	4528.9	4556.4	4564.5
37.5°	4946.1	4950.9	4883.0	4818.3	4782.8	4850.7	4745.6	4750.4	4863.6	4915.4	4913.7
40°	5353.5	5355.2	5309.9	5253.3	5191.8	5208.0	5166.0	5178.9	5253.3	5300.2	5313.1
42.5°	5838.6	5833.8	5762.6	5681.8	5664.0	5680.1	5609.0	5599.3	5685.0	5769.1	5770.7
45°	6467.6	6456.3	6364.1	6275.2	6189.5	6153.9	6136.1	6183.0	6301.0	6378.6	6380.3
47.5°	7145.1	7114.3	7065.8	6994.7	6920.3	6884.7	6855.6	6878.3	6964.0	6994.7	6997.9
50°	7841.9	7848.4	7858.1	7830.6	7803.1	7791.8	7715.8	7672.2	7698.0	7641.4	7633.4
52.5°	8668.2	8681.1	8774.9	8854.1	8901.0	8925.3	8781.3	8631.0	8546.9	8436.9	8404.6
55°	9643.2	9664.2	9801.6	10021.5	10247.9	10367.5	10107.2	9825.9	9565.5	9360.2	9293.9
57.5°	10729.7	10766.9	10956.1	11378.1	11842.1	12125.1	11685.3	11174.4	10671.5	10375.6	10323.9
60°	12003.8	12039.4	12301.3	12906.0	13657.9	14083.1	13417.0	12581.0	11955.3	11672.4	11577.0
62.5°	13520.5	13523.7	13845.5	14552.0	15544.8	16136.6	15234.4	14117.1	13472.0	13130.8	13038.6
65°	15151.9	15160.0	15493.1	16256.2	17283.0	17926.5	16907.9	15743.7	14954.6	14451.8	14380.6
67.5°	16304.8	16338.7	16689.6	17608.0	18568.4	19148.9	18094.7	16778.5	15866.6	15266.7	15206.9
70°	16120.4	16253.0	16665.3	17737.3	19072.9	19900.7	18287.1	16655.6	15452.6	14744.5	14694.3
72.5°	14058.9	14312.7	14862.5	16269.2	18405.1	19545.0	17237.7	14917.5	13556.0	12952.9	12862.4
75°	9573.6	9985.9	10815.4	12844.6	15724.3	16922.4	14511.6	11893.9	10613.3	9779.0	9717.5
77.5°	4268.6	4362.4	5413.4	7749.8	10851.0	12152.6	10543.8	7780.5	5840.2	4658.3	4409.3
80°	1190.0	1204.6	1607.2	2886.2	5431.1	7140.2	5830.5	3031.7	1704.2	1201.4	1131.8
82.5°	378.4	410.7	501.2	748.6	1825.5	3258.0	1874.0	808.4	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)