

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: P316860

Luminaire Tested: **GAN-SA6D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47869 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

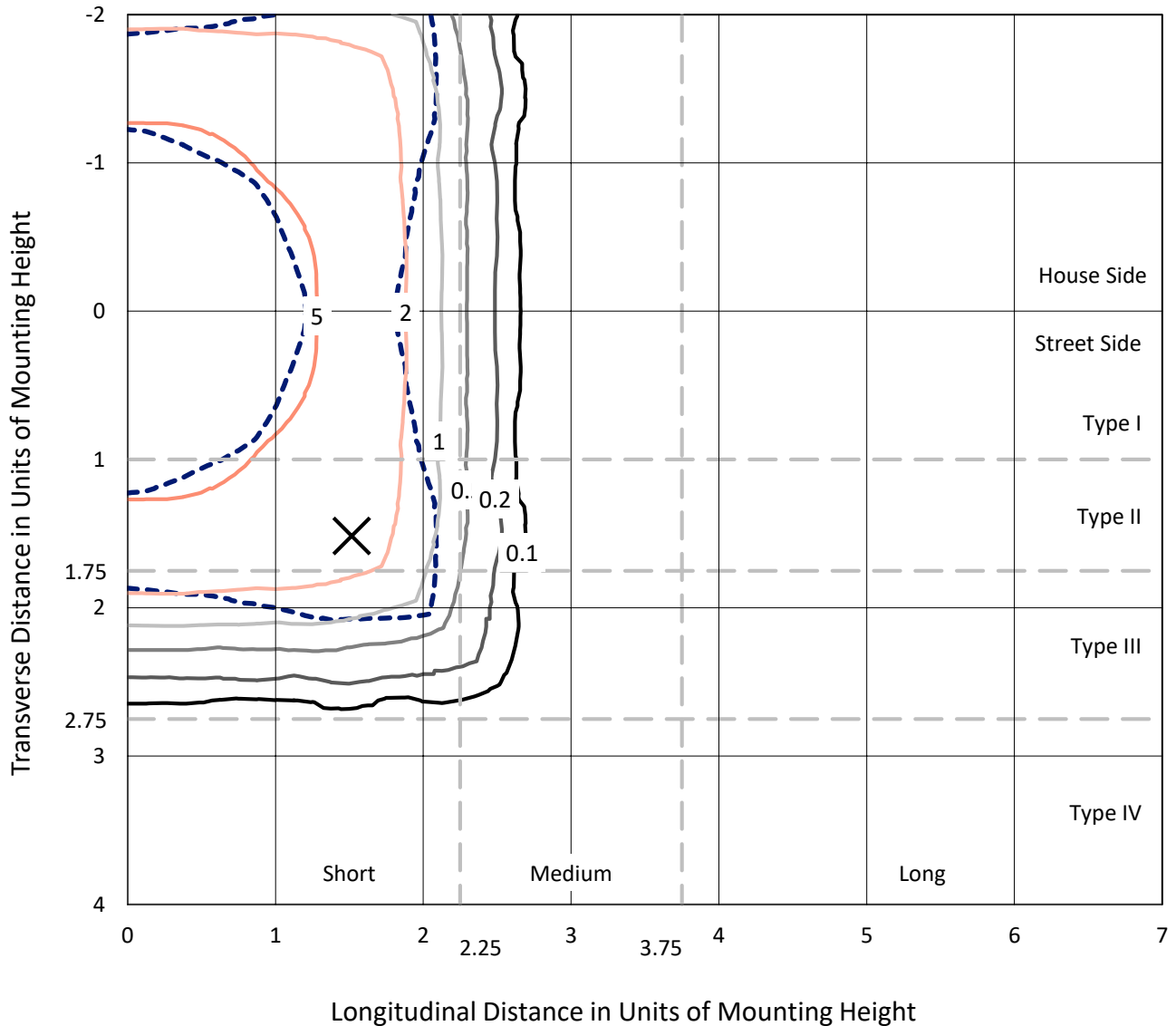
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

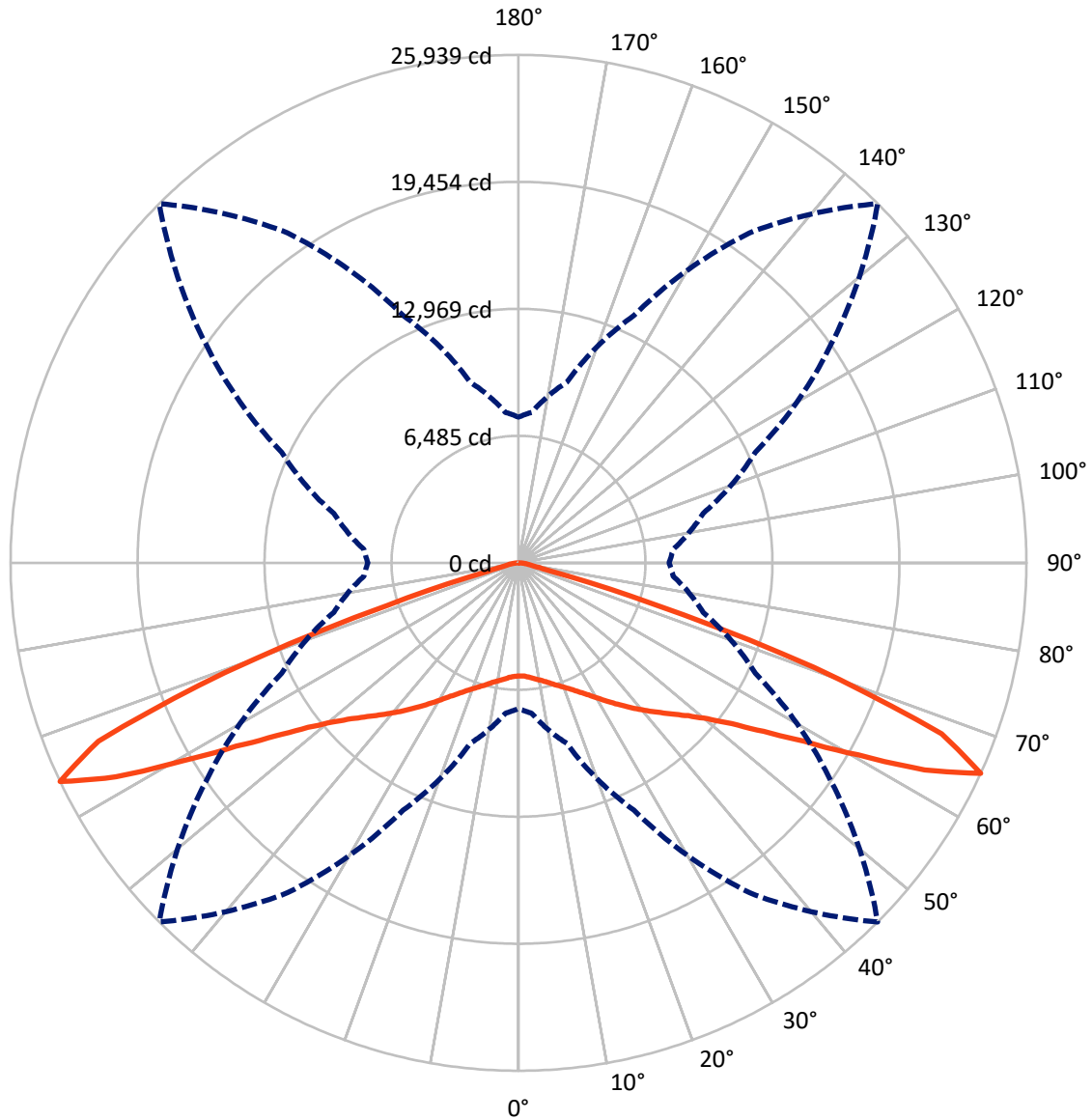
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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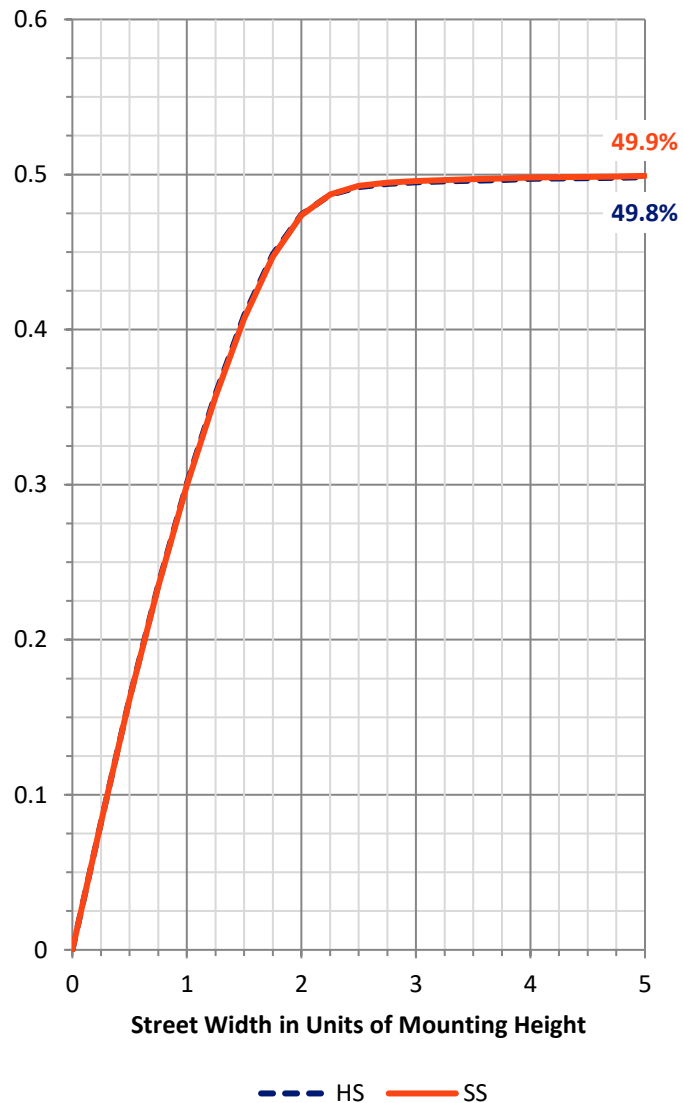
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23934.5	0.0	23934.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23934.5	0.0	23934.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47869.0	0.0	47869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.2	1.2
10°-20°	1823.0	3.8
20°-30°	3420.4	7.1
30°-40°	5656.6	11.8
40°-50°	8761.3	18.3
50°-60°	13437.4	28.1
60°-70°	12538.7	26.2
70°-80°	1459.3	3.0
80°-90°	205.1	0.4
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°	47869.0	100.0
0°-180°	47869.0	100.0

Coefficient of Utilization



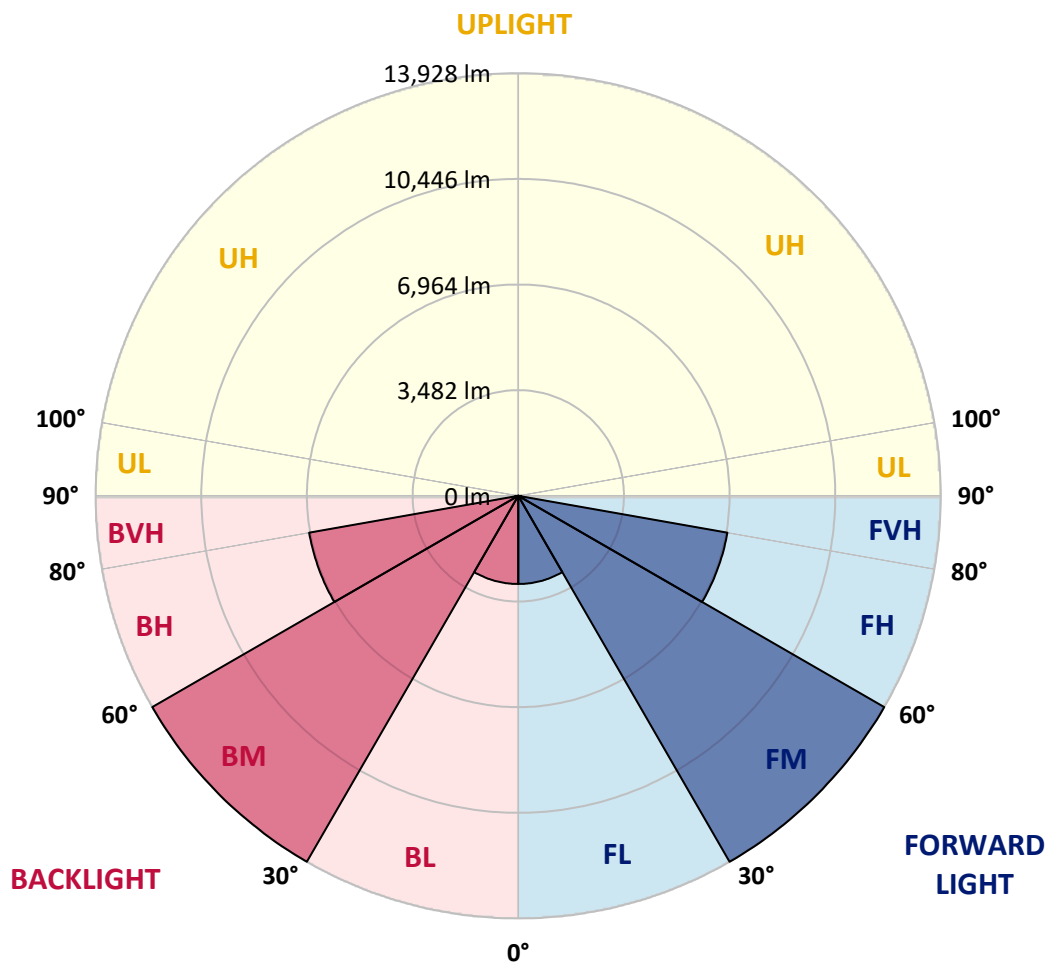
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2905.3	6.1			
FM (30°-60°)	13927.7	29.1			
FH (60°-80°)	6999.0	14.6			G3/7500
FVH (80°-90°)	102.5	0.2			G2/225
BL (0°-30°)	2905.3	6.1	B4/5000		
BM (30°-60°)	13927.7	29.1	B5		
BH (60°-80°)	6999.0	14.6	B5		G3/7500
BVH (80°-90°)	102.5	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5780.8	5780.8	5780.8	5780.8	5780.8	5780.8	5780.8	5780.8	5780.8	5780.8	5780.8
2.5°	5799.9	5796.7	5799.9	5801.4	5791.9	5796.7	5795.1	5803.0	5806.2	5803.0	5803.0
5°	5866.6	5861.8	5868.2	5876.1	5863.4	5866.6	5861.8	5871.4	5874.5	5868.2	5873.0
7.5°	5958.8	5960.3	5966.7	5981.0	5973.1	5979.4	5969.9	5971.5	5969.9	5960.3	5961.9
10°	6058.9	6060.5	6071.6	6090.6	6093.8	6093.8	6087.5	6082.7	6076.3	6070.0	6071.6
12.5°	6179.6	6187.6	6195.5	6219.4	6219.4	6232.1	6228.9	6216.2	6205.1	6195.5	6195.5
15°	6343.3	6341.7	6351.2	6375.1	6386.2	6406.9	6406.9	6389.4	6375.1	6365.5	6362.4
17.5°	6514.9	6519.7	6526.0	6554.6	6572.1	6595.9	6599.1	6584.8	6575.3	6562.6	6554.6
20°	6715.1	6723.1	6748.5	6759.6	6775.5	6797.7	6805.7	6802.5	6793.0	6786.6	6788.2
22.5°	6948.7	6969.4	6985.3	7001.1	7020.2	7036.1	7044.0	7055.2	7045.6	7040.9	7037.7
25°	7231.5	7245.8	7277.6	7306.2	7318.9	7323.7	7333.2	7349.1	7347.5	7336.4	7336.4
27.5°	7552.5	7579.5	7619.3	7660.6	7660.6	7644.7	7676.5	7703.5	7693.9	7679.6	7660.6
30°	7941.8	7967.3	8013.3	8070.5	8041.9	8030.8	8073.7	8123.0	8108.7	8084.8	8081.7
32.5°	8361.3	8385.2	8445.5	8507.5	8471.0	8455.1	8501.2	8572.7	8547.2	8499.6	8471.0
35°	8815.8	8839.6	8925.4	9000.1	8938.1	8911.1	8949.3	9027.1	8982.6	8893.6	8871.4
37.5°	9310.0	9322.7	9433.9	9510.2	9467.3	9395.8	9443.4	9500.6	9462.5	9354.5	9311.5
40°	9823.2	9869.3	9998.0	10087.0	10012.3	9899.5	9978.9	10058.4	10001.2	9862.9	9789.8
42.5°	10422.3	10457.2	10628.8	10708.3	10587.5	10428.6	10536.7	10644.7	10587.5	10454.0	10390.5
45°	11045.2	11099.2	11304.2	11383.6	11208.8	11007.0	11138.9	11328.0	11323.2	11131.0	11064.2
47.5°	11723.7	11777.7	12022.4	12127.3	11938.2	11668.0	11854.0	12120.9	12101.8	11890.5	11836.5
50°	12507.0	12564.2	12869.3	13001.2	12824.8	12510.2	12789.9	13025.0	12990.1	12729.5	12734.3
52.5°	13490.6	13487.4	13867.2	14096.0	13914.9	13636.8	13894.2	14123.0	13978.4	13617.7	13606.6
55°	14351.9	14404.3	14874.6	15308.4	15297.3	15190.9	15294.1	15303.7	14890.5	14410.7	14351.9
57.5°	14917.5	15017.7	15680.3	16465.2	17053.2	17194.6	16994.4	16387.4	15419.7	14652.2	14558.4
60°	14569.6	14722.1	15762.9	17363.0	19095.0	19926.1	18796.3	16913.3	15008.1	13938.7	13811.6
62.5°	12221.0	12478.4	14002.3	16929.2	20852.5	23282.1	20102.5	16069.6	13371.4	11898.4	11680.8
65°	7442.9	7714.6	9551.5	13934.0	20568.0	25938.9	19506.6	13338.1	9759.6	7927.5	7692.4
67.5°	2480.4	2559.9	3642.0	7701.9	16164.9	23305.9	16191.9	7984.7	4247.4	2815.7	2733.1
70°	970.9	978.8	1155.2	2232.5	7633.6	16007.6	8423.3	2272.3	1207.6	955.0	975.6
72.5°	713.5	716.6	765.9	932.7	1989.4	7052.0	2060.9	937.5	745.2	669.0	669.0
75°	573.6	573.6	608.6	680.1	891.4	1617.6	904.1	672.1	583.2	533.9	527.5
77.5°	452.9	462.4	489.4	535.5	603.8	778.6	626.1	532.3	470.3	424.3	414.7
80°	336.9	346.4	390.9	413.1	433.8	540.3	462.4	416.3	371.8	317.8	308.3
82.5°	220.9	230.4	286.0	298.7	294.0	352.8	311.4	306.7	273.3	205.0	195.4
85°	144.6	147.8	190.7	198.6	182.7	160.5	198.6	209.7	190.7	133.5	128.7
87.5°	68.3	68.3	96.9	90.6	82.6	66.7	90.6	106.5	108.1	65.1	63.6
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)