

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: P316820

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316820  
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-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 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: 47870 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

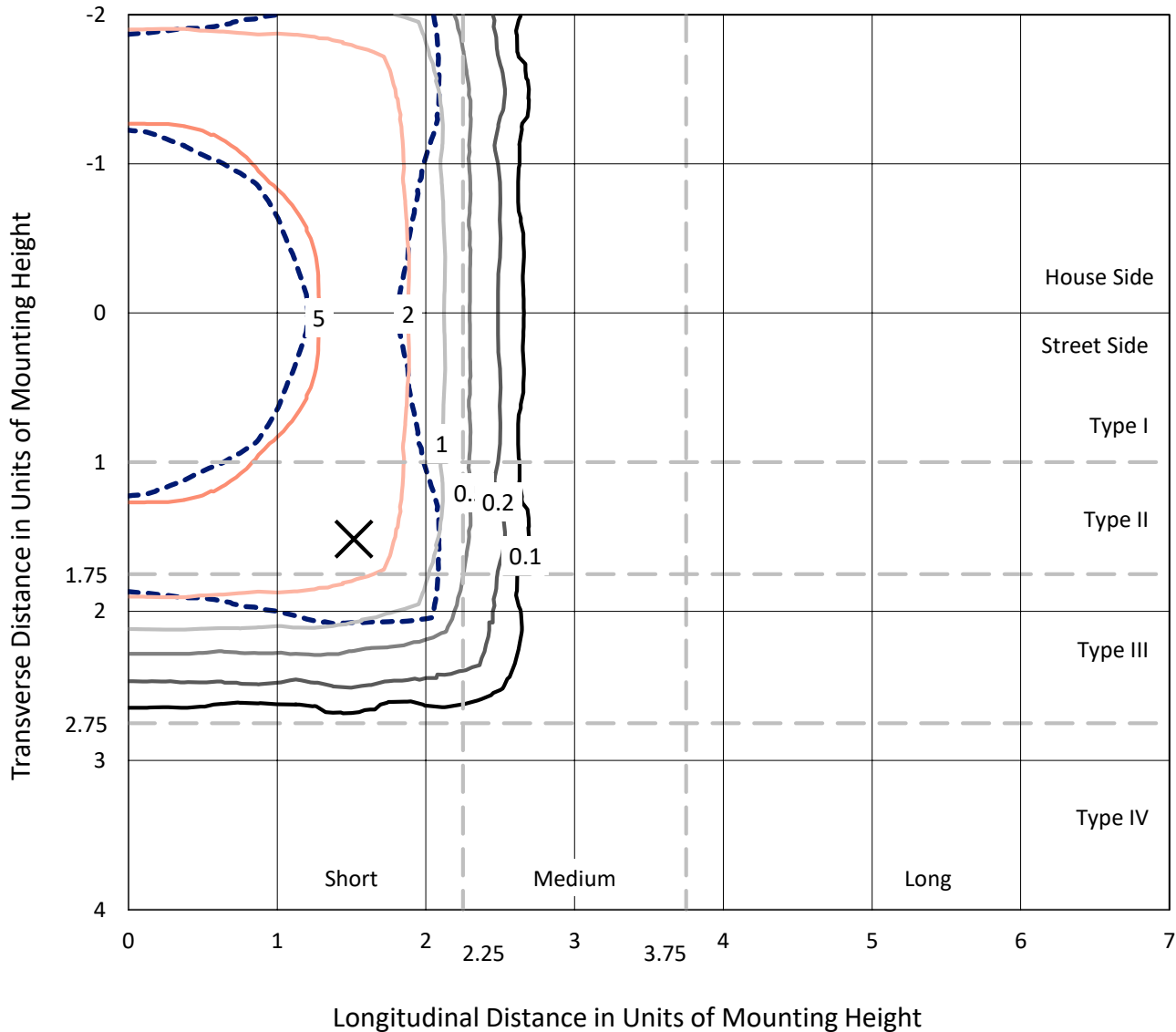
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

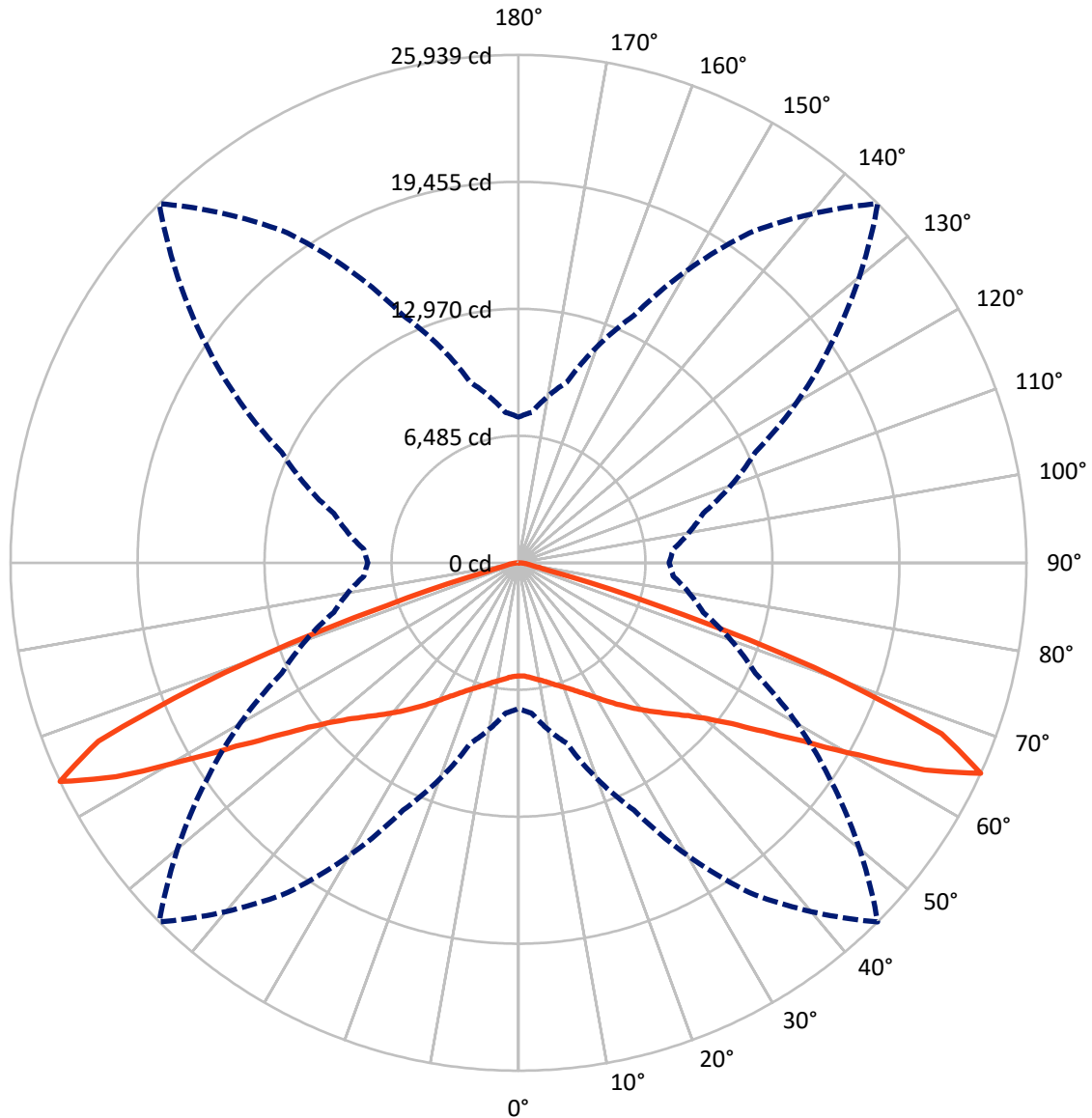
✕ Max cd  
 - - - 1/2 Max cd



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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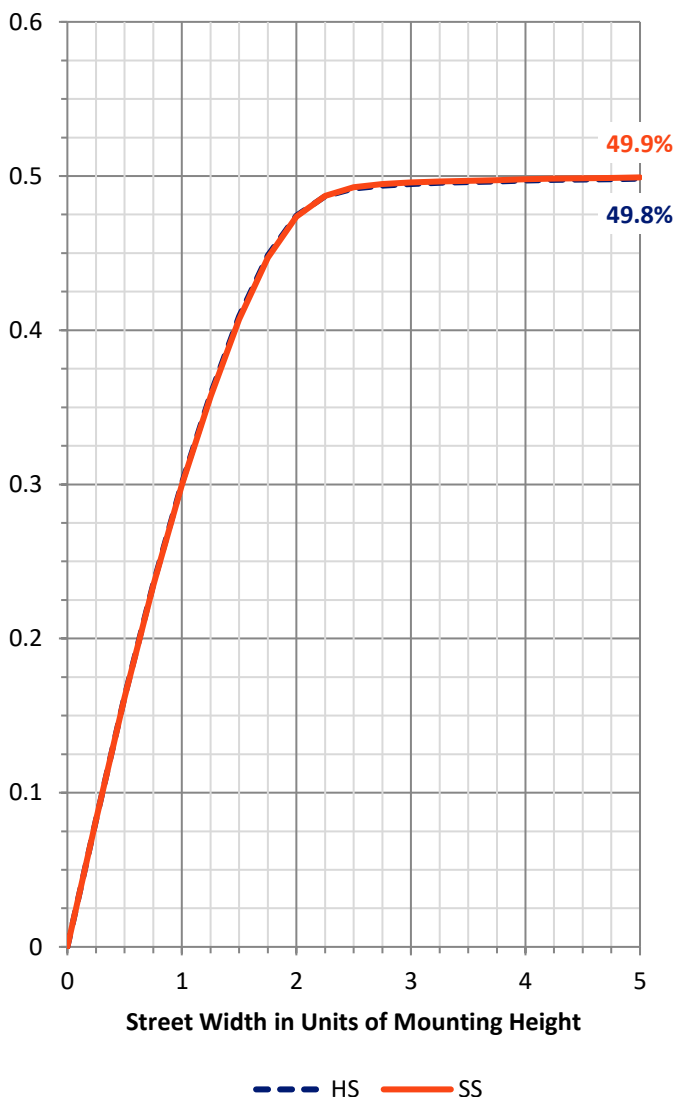
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	23935.0	0.0	23935.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23935.0	0.0	23935.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	47870.0	0.0	47870.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	567.2	1.2
10°-20°	1823.1	3.8
20°-30°	3420.4	7.1
30°-40°	5656.7	11.8
40°-50°	8761.5	18.3
50°-60°	13437.7	28.1
60°-70°	12538.9	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°	47870.0	100.0
0°-180°	47870.0	100.0

**Coefficient of Utilization**

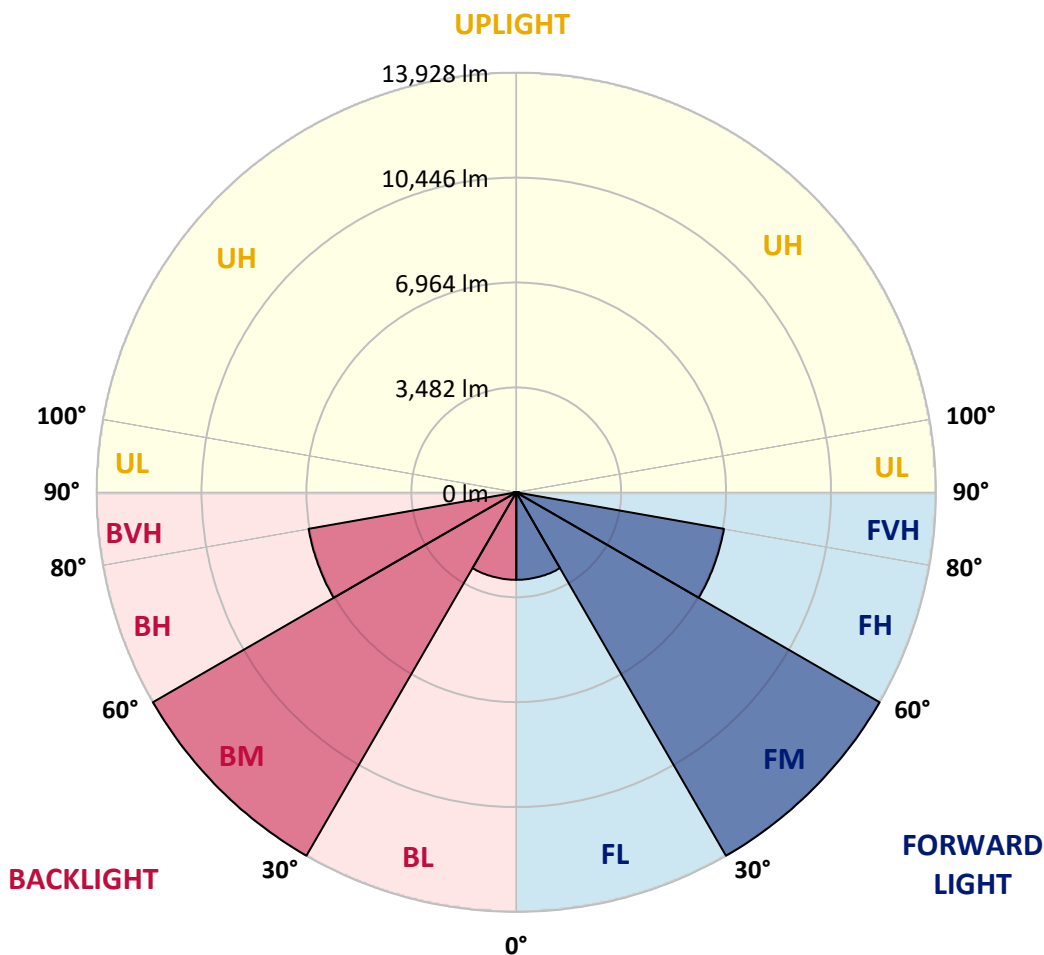


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2905.4	6.1			
FM (30°-60°)	13928.0	29.1			
FH (60°-80°)	6999.1	14.6			G3/7500
FVH (80°-90°)	102.5	0.2			G2/225
BL (0°-30°)	2905.4	6.1	B4/5000		
BM (30°-60°)	13928.0	29.1	B5		
BH (60°-80°)	6999.1	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°	5780.9	5780.9	5780.9	5780.9	5780.9	5780.9	5780.9	5780.9	5780.9	5780.9	5780.9
2.5°	5800.0	5796.8	5800.0	5801.6	5792.0	5796.8	5795.2	5803.2	5806.3	5803.2	5803.2
5°	5866.7	5861.9	5868.3	5876.3	5863.5	5866.7	5861.9	5871.5	5874.7	5868.3	5873.1
7.5°	5958.9	5960.5	5966.8	5981.1	5973.2	5979.5	5970.0	5971.6	5970.0	5960.5	5962.1
10°	6059.0	6060.6	6071.7	6090.8	6093.9	6093.9	6087.6	6082.8	6076.5	6070.1	6071.7
12.5°	6179.8	6187.7	6195.6	6219.5	6219.5	6232.2	6229.0	6216.3	6205.2	6195.6	6195.6
15°	6343.4	6341.8	6351.4	6375.2	6386.3	6407.0	6407.0	6389.5	6375.2	6365.7	6362.5
17.5°	6515.0	6519.8	6526.2	6554.8	6572.2	6596.1	6599.3	6585.0	6575.4	6562.7	6554.8
20°	6715.3	6723.2	6748.6	6759.8	6775.6	6797.9	6805.8	6802.7	6793.1	6786.8	6788.4
22.5°	6948.8	6969.5	6985.4	7001.3	7020.4	7036.2	7044.2	7055.3	7045.8	7041.0	7037.8
25°	7231.7	7246.0	7277.8	7306.4	7319.1	7323.9	7333.4	7349.3	7347.7	7336.6	7336.6
27.5°	7552.7	7579.7	7619.4	7660.7	7660.7	7644.8	7676.6	7703.6	7694.1	7679.8	7660.7
30°	7942.0	7967.4	8013.5	8070.7	8042.1	8031.0	8073.9	8123.1	8108.8	8085.0	8081.8
32.5°	8361.5	8385.3	8445.7	8507.7	8471.1	8455.3	8501.3	8572.8	8547.4	8499.7	8471.1
35°	8816.0	8839.8	8925.6	9000.3	8938.3	8911.3	8949.4	9027.3	8982.8	8893.8	8871.6
37.5°	9310.2	9322.9	9434.1	9510.4	9467.5	9396.0	9443.6	9500.8	9462.7	9354.6	9311.7
40°	9823.4	9869.5	9998.2	10087.2	10012.5	9899.7	9979.1	10058.6	10001.4	9863.1	9790.0
42.5°	10422.5	10457.4	10629.1	10708.5	10587.7	10428.8	10536.9	10644.9	10587.7	10454.3	10390.7
45°	11045.4	11099.4	11304.4	11383.8	11209.1	11007.2	11139.1	11328.2	11323.5	11131.2	11064.4
47.5°	11723.9	11777.9	12022.6	12127.5	11938.4	11668.3	11854.2	12121.2	12102.1	11890.7	11836.7
50°	12507.3	12564.5	12869.6	13001.5	12825.1	12510.5	12790.1	13025.3	12990.4	12729.8	12734.5
52.5°	13490.9	13487.7	13867.5	14096.3	13915.2	13637.1	13894.5	14123.3	13978.7	13618.0	13606.9
55°	14352.2	14404.6	14875.0	15308.8	15297.6	15191.2	15294.5	15304.0	14890.8	14411.0	14352.2
57.5°	14917.9	15018.0	15680.6	16465.6	17053.5	17194.9	16994.7	16387.7	15420.0	14652.5	14558.7
60°	14569.9	14722.4	15763.2	17363.4	19095.4	19926.5	18796.7	16913.7	15008.4	13939.0	13811.9
62.5°	12221.3	12478.7	14002.6	16929.6	20852.9	23282.5	20102.9	16069.9	13371.7	11898.7	11681.0
65°	7443.0	7714.8	9551.7	13934.2	20568.5	25939.4	19507.0	13338.4	9759.9	7927.7	7692.5
67.5°	2480.5	2559.9	3642.1	7702.1	16165.3	23306.4	16192.3	7984.9	4247.5	2815.8	2733.1
70°	970.9	978.8	1155.2	2232.6	7633.7	16007.9	8423.5	2272.3	1207.7	955.0	975.7
72.5°	713.5	716.7	765.9	932.8	1989.5	7052.1	2061.0	937.5	745.3	669.0	669.0
75°	573.6	573.6	608.6	680.1	891.4	1617.6	904.2	672.2	583.2	533.9	527.6
77.5°	452.9	462.4	489.4	535.5	603.8	778.6	626.1	532.3	470.4	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	311.5	306.7	273.3	205.0	195.5
85°	144.6	147.8	190.7	198.6	182.7	160.5	198.6	209.8	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	65.2	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)