

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: P316760

Luminaire Tested: **GAN-SA6B-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316760  
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-SA6B-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32108 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

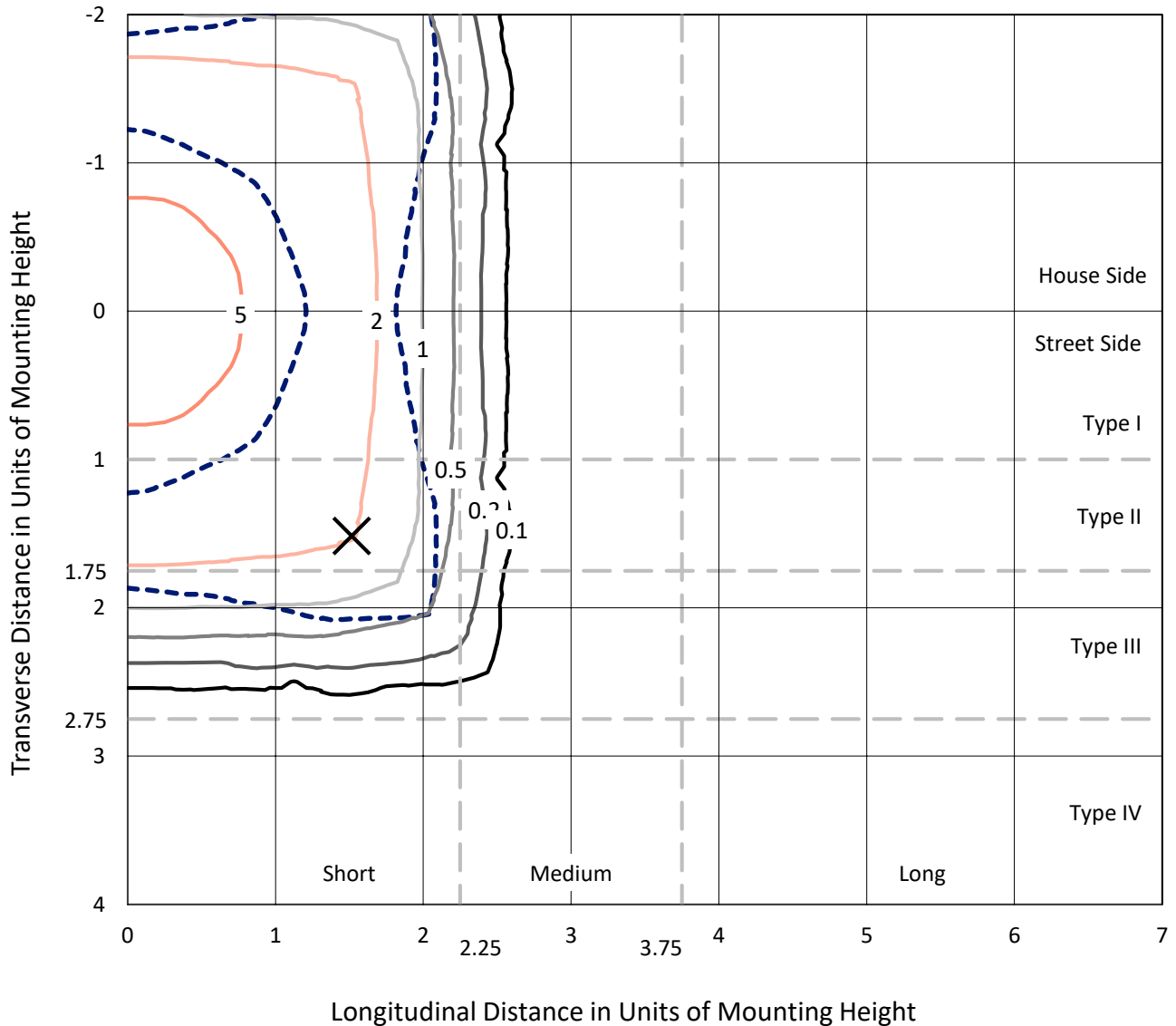
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

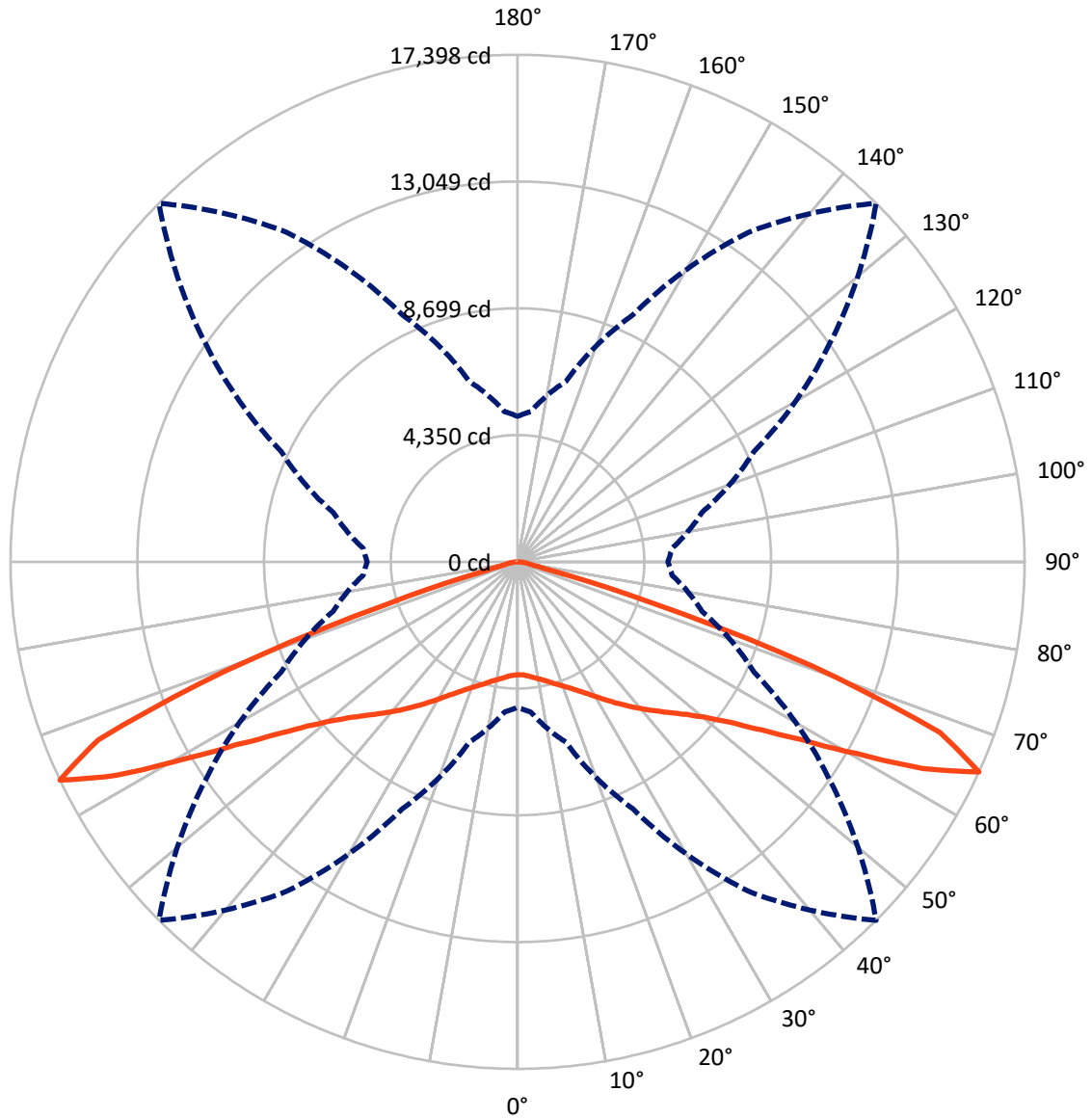
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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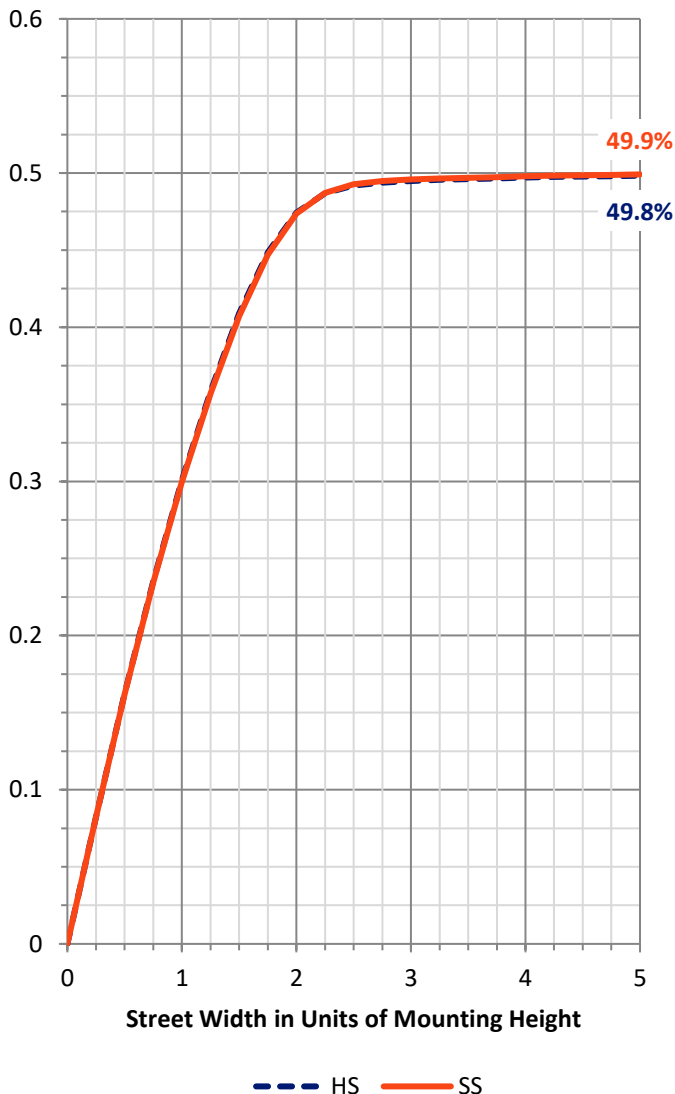
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16054.0	0.0	16054.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16054.0	0.0	16054.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32108.0	0.0	32108.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	380.4	1.2
10°-20°	1222.8	3.8
20°-30°	2294.2	7.1
30°-40°	3794.2	11.8
40°-50°	5876.6	18.3
50°-60°	9013.1	28.1
60°-70°	8410.3	26.2
70°-80°	978.8	3.0
80°-90°	137.5	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°	32108.0	100.0
0°-180°	32108.0	100.0

**Coefficient of Utilization**



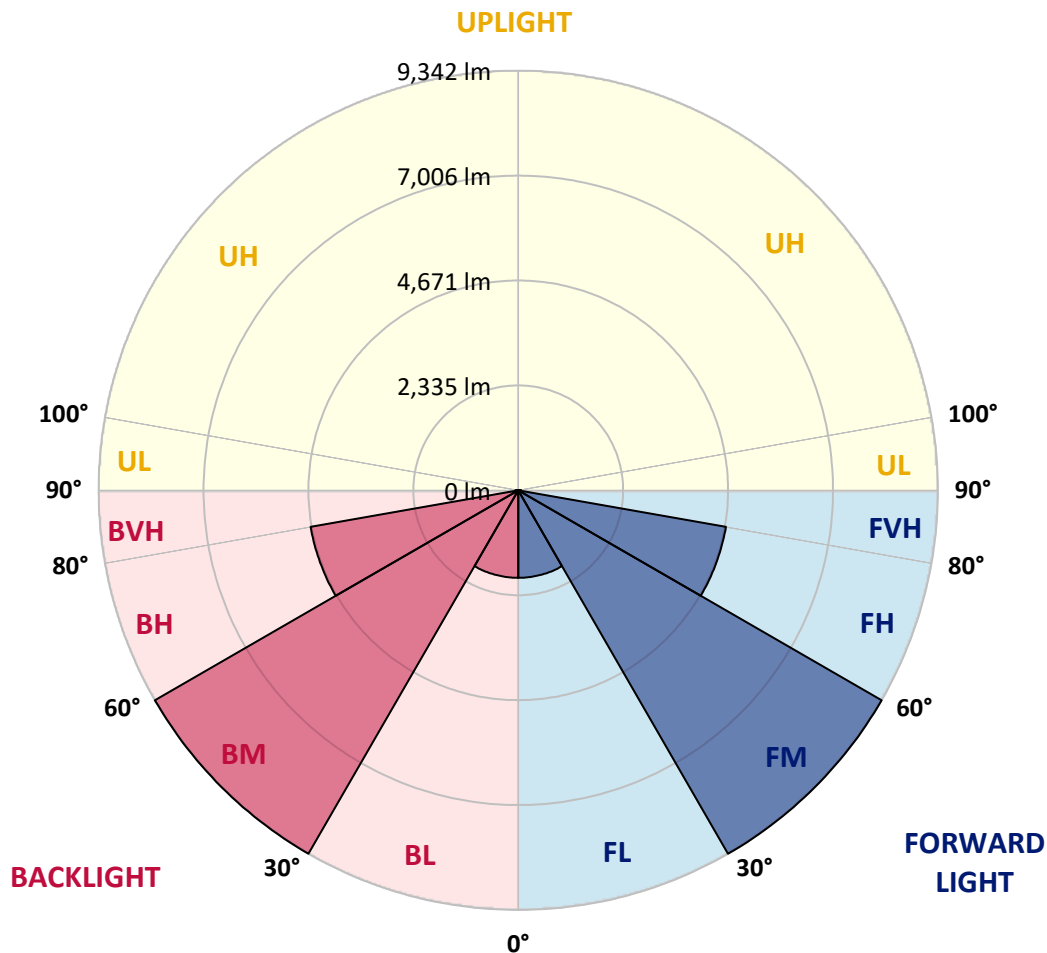
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1948.7	6.1			
FM (30°-60°)	9342.0	29.1			
FH (60°-80°)	4694.6	14.6			G2/5000
FVH (80°-90°)	68.8	0.2			G1/100
BL (0°-30°)	1948.7	6.1	B3/2500		
BM (30°-60°)	9342.0	29.1	B5		
BH (60°-80°)	4694.6	14.6	B4/5000		G2/5000
BVH (80°-90°)	68.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3877.4	3877.4	3877.4	3877.4	3877.4	3877.4	3877.4	3877.4	3877.4	3877.4	3877.4
2.5°	3890.2	3888.1	3890.2	3891.3	3884.9	3888.1	3887.0	3892.4	3894.5	3892.4	3892.4
5°	3935.0	3931.8	3936.1	3941.4	3932.9	3935.0	3931.8	3938.2	3940.3	3936.1	3939.3
7.5°	3996.8	3997.9	4002.1	4011.7	4006.4	4010.7	4004.3	4005.3	4004.3	3997.9	3999.0
10°	4064.0	4065.0	4072.5	4085.3	4087.4	4087.4	4083.2	4080.0	4075.7	4071.4	4072.5
12.5°	4145.0	4150.3	4155.6	4171.6	4171.6	4180.1	4178.0	4169.5	4162.0	4155.6	4155.6
15°	4254.7	4253.7	4260.1	4276.1	4283.5	4297.4	4297.4	4285.7	4276.1	4269.7	4267.5
17.5°	4369.9	4373.1	4377.3	4396.5	4408.2	4424.2	4426.3	4416.8	4410.4	4401.8	4396.5
20°	4504.1	4509.5	4526.5	4534.0	4544.6	4559.6	4564.9	4562.8	4556.4	4552.1	4553.2
22.5°	4660.8	4674.7	4685.3	4696.0	4708.8	4719.4	4724.8	4732.2	4725.8	4722.6	4720.5
25°	4850.5	4860.1	4881.4	4900.6	4909.2	4912.4	4918.8	4929.4	4928.3	4920.9	4920.9
27.5°	5065.8	5084.0	5110.6	5138.3	5138.3	5127.7	5149.0	5167.1	5160.7	5151.1	5138.3
30°	5327.0	5344.0	5374.9	5413.3	5394.1	5386.6	5415.4	5448.5	5438.9	5422.9	5420.8
32.5°	5608.3	5624.3	5664.8	5706.4	5681.9	5671.2	5702.1	5750.1	5733.0	5701.1	5681.9
35°	5913.2	5929.1	5986.7	6036.8	5995.2	5977.1	6002.7	6054.9	6025.1	5965.4	5950.5
37.5°	6244.6	6253.2	6327.8	6378.9	6350.1	6302.2	6334.2	6372.5	6346.9	6274.5	6245.7
40°	6588.9	6619.8	6706.1	6765.8	6715.7	6640.0	6693.3	6746.6	6708.3	6615.5	6566.5
42.5°	6990.7	7014.2	7129.3	7182.6	7101.5	6995.0	7067.4	7139.9	7101.5	7012.0	6969.4
45°	7408.5	7444.7	7582.2	7635.5	7518.3	7382.9	7471.4	7598.2	7595.0	7466.1	7421.3
47.5°	7863.6	7899.8	8064.0	8134.3	8007.5	7826.3	7951.0	8130.1	8117.3	7975.5	7939.3
50°	8389.1	8427.4	8632.1	8720.5	8602.2	8391.2	8578.8	8736.5	8713.1	8538.3	8541.5
52.5°	9048.8	9046.7	9301.4	9454.9	9333.4	9146.9	9319.5	9473.0	9376.0	9134.1	9126.6
55°	9626.5	9661.6	9977.1	10268.1	10260.6	10189.2	10258.5	10264.9	9987.8	9665.9	9626.5
57.5°	10005.9	10073.1	10517.5	11044.0	11438.4	11533.2	11398.9	10991.8	10342.7	9827.9	9765.0
60°	9772.5	9874.8	10572.9	11646.2	12807.9	13365.4	12607.6	11344.6	10066.7	9349.4	9264.1
62.5°	8197.2	8369.9	9392.0	11355.2	13986.7	15616.4	13483.7	10778.6	8968.9	7980.8	7834.8
65°	4992.3	5174.5	6406.6	9346.2	13796.0	17398.4	13084.0	8946.5	6546.3	5317.4	5159.6
67.5°	1663.7	1717.0	2442.9	5166.0	10842.6	15632.4	10860.7	5355.7	2848.9	1888.6	1833.2
70°	651.2	656.5	774.9	1497.5	5120.2	10737.1	5649.9	1524.1	810.0	640.6	654.4
72.5°	478.6	480.7	513.7	625.6	1334.4	4730.1	1382.4	628.8	499.9	448.7	448.7
75°	384.8	384.8	408.2	456.2	597.9	1085.0	606.5	450.8	391.2	358.1	353.9
77.5°	303.8	310.2	328.3	359.2	405.0	522.3	419.9	357.0	315.5	284.6	278.2
80°	226.0	232.3	262.2	277.1	291.0	362.4	310.2	279.2	249.4	213.2	206.8
82.5°	148.1	154.5	191.8	200.4	197.2	236.6	208.9	205.7	183.3	137.5	131.1
85°	97.0	99.1	127.9	133.2	122.6	107.6	133.2	140.7	127.9	89.5	86.3
87.5°	45.8	45.8	65.0	60.8	55.4	44.8	60.8	71.4	72.5	43.7	42.6
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)