

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: P652925

Luminaire Tested: **GLAN-SA6C-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652925  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6C-840-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29745.3 lumens  
Efficiency: N/A  
Efficacy: 92.7 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): 321  
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

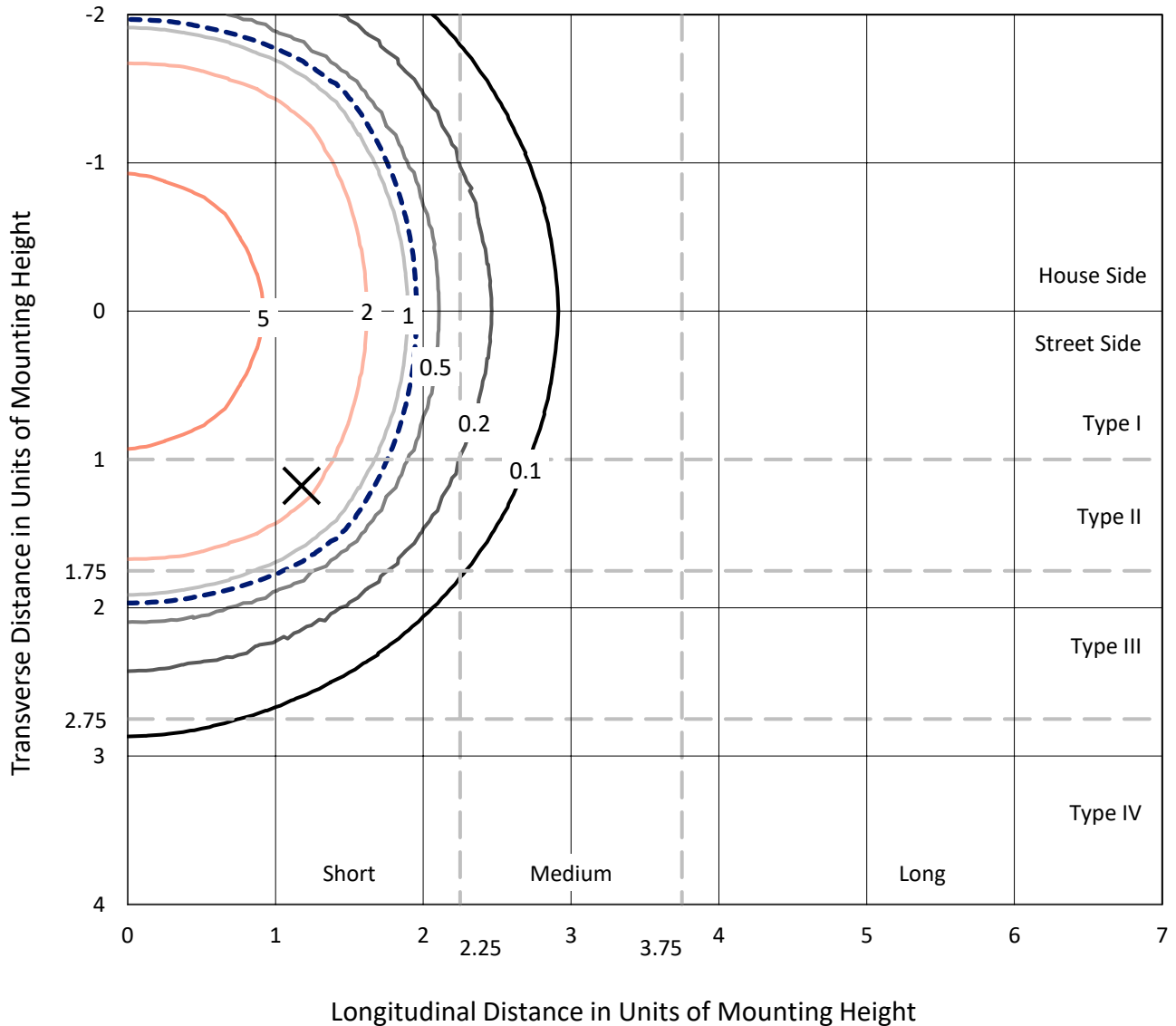




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### Iso-Footcandle Lines of Horizontal Illumination

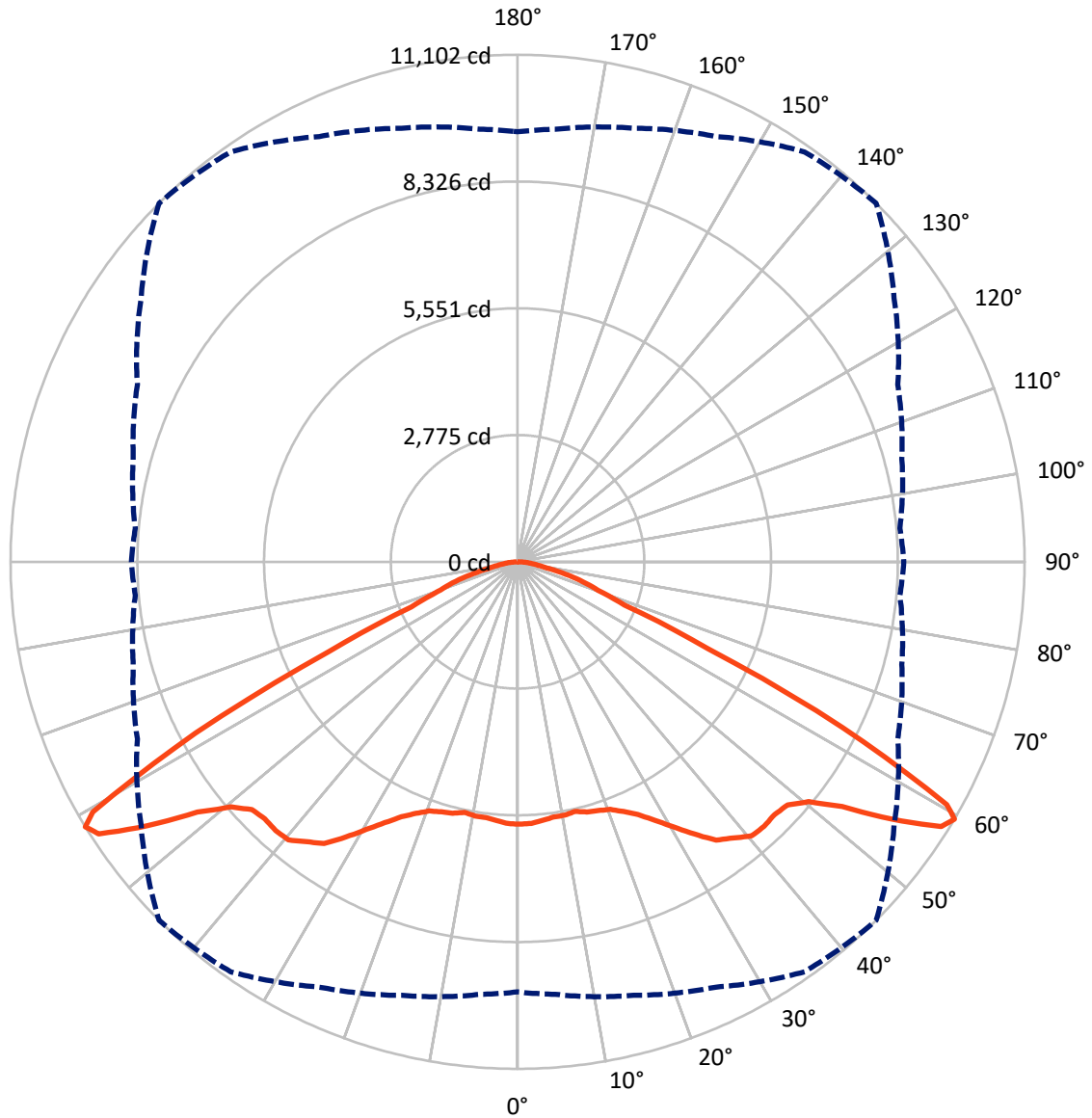
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14872.7	0.0	14872.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14872.7	0.0	14872.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29745.3	0.0	29745.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	541.6	1.8
10°-20°	1610.6	5.4
20°-30°	2812.4	9.5
30°-40°	4491.7	15.1
40°-50°	6118.6	20.6
50°-60°	8274.0	27.8
60°-70°	4537.5	15.3
70°-80°	1160.8	3.9
80°-90°	198.0	0.7
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°	29745.3	100.0
0°-180°	29745.3	100.0

**Coefficient of Utilization**



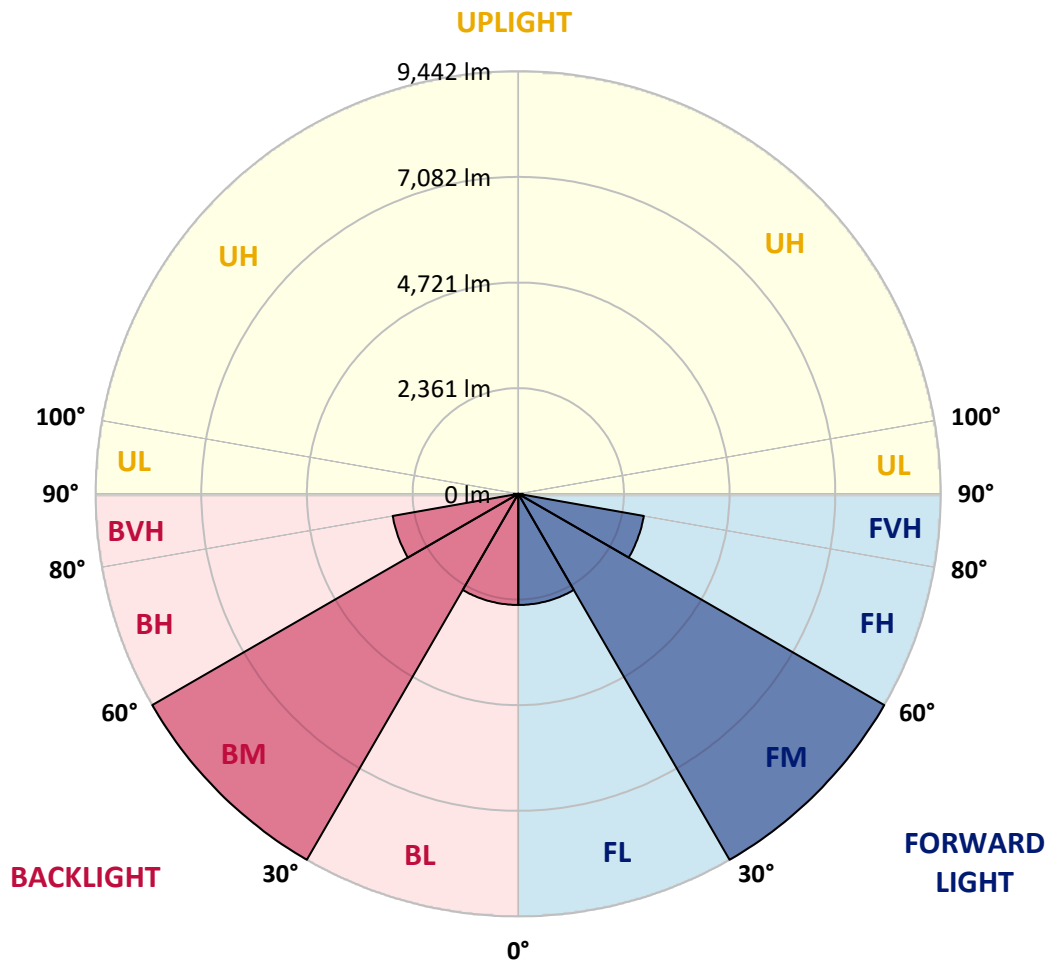
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2482.3	8.3			
FM (30°-60°)	9442.2	31.7			
FH (60°-80°)	2849.2	9.6			G2/5000
FVH (80°-90°)	99.0	0.3			G1/100
BL (0°-30°)	2482.3	8.3	B3/2500		
BM (30°-60°)	9442.2	31.7	B5		
BH (60°-80°)	2849.2	9.6	B4/5000		G2/5000
BVH (80°-90°)	99.0	0.3			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°	5745.4	5745.4	5745.4	5745.4	5745.4	5745.4	5745.4	5745.4	5745.4	5745.4	5745.4
2.5°	5711.1	5753.0	5722.5	5749.2	5745.4	5733.9	5714.8	5703.4	5688.2	5711.1	5673.0
5°	5688.2	5722.5	5756.8	5711.1	5711.1	5688.2	5676.8	5653.9	5653.9	5650.1	5646.2
7.5°	5726.3	5692.0	5676.8	5684.4	5692.0	5642.4	5676.8	5631.0	5592.9	5619.6	5650.1
10°	5692.0	5707.3	5650.1	5676.8	5634.8	5642.4	5619.6	5650.1	5608.1	5608.1	5608.1
12.5°	5726.3	5684.4	5703.4	5684.4	5673.0	5608.1	5638.7	5604.3	5600.5	5638.7	5604.3
15°	5794.9	5726.3	5711.1	5673.0	5684.4	5684.4	5653.9	5657.7	5615.8	5638.7	5646.2
17.5°	5772.0	5733.9	5722.5	5676.8	5714.8	5726.3	5669.1	5631.0	5657.7	5653.9	5650.1
20°	5791.1	5806.3	5794.9	5802.6	5817.8	5787.3	5733.9	5680.5	5646.2	5695.8	5692.0
22.5°	5913.2	5897.8	5890.3	5882.6	5909.3	5939.8	5867.4	5783.5	5783.5	5817.8	5833.1
25°	6012.2	6008.4	6004.7	6039.0	6130.5	6130.5	6039.0	5932.2	5905.5	5928.4	5909.3
27.5°	6157.1	6199.1	6183.8	6244.8	6378.2	6408.8	6286.7	6160.9	6088.5	6061.8	6096.2
30°	6488.8	6439.2	6450.6	6515.5	6633.6	6732.8	6546.0	6412.5	6313.5	6309.6	6324.9
32.5°	6709.9	6748.0	6782.3	6843.4	7030.2	7106.4	6881.5	6664.2	6603.2	6568.9	6580.3
35°	7152.2	7117.9	7110.2	7171.2	7358.1	7483.9	7201.7	7011.1	6931.0	7007.3	7007.3
37.5°	7571.5	7476.2	7403.8	7483.9	7655.5	7670.7	7430.5	7327.5	7285.6	7373.3	7369.5
40°	7769.8	7762.2	7594.4	7640.1	7868.9	7891.8	7666.9	7544.9	7537.2	7651.6	7766.0
42.5°	7975.6	7903.2	7735.5	7766.0	7907.0	7914.7	7701.2	7666.9	7750.7	7861.3	7868.9
45°	8009.9	7949.0	7842.2	7766.0	7868.9	7891.8	7766.0	7788.8	7796.5	7929.9	7929.9
47.5°	8078.6	8071.0	8009.9	7952.7	7971.8	7952.7	7872.7	7907.0	8021.4	8086.2	8055.7
50°	8269.2	8189.2	8250.1	8200.6	8204.4	8257.8	8185.4	8219.7	8196.8	8139.6	8101.4
52.5°	8688.6	8650.4	8703.8	8738.2	8776.3	8898.3	8814.4	8631.4	8459.9	8307.3	8303.5
55°	9302.4	9329.0	9432.0	9607.4	9756.1	9950.5	9546.4	9107.9	8833.4	8593.3	8608.6
57.5°	9881.9	9862.8	10003.9	10404.2	10838.8	10938.0	10145.0	9519.7	9073.6	8921.2	8856.3
59°	9416.8	9508.3	9828.5	10274.6	10957.0	11101.9	10064.9	9184.2	8711.5	8402.7	8456.0
60°	8684.8	8719.1	9005.0	9626.4	10549.1	10796.8	9527.4	8665.7	8036.7	7857.5	7937.5
62.5°	6138.0	6111.4	6317.3	6824.3	7651.6	7987.1	7083.6	6477.4	6080.9	5882.6	5928.4
65°	3263.5	3385.4	3469.4	3785.8	4224.2	4578.7	4205.2	3942.1	3720.9	3557.0	3553.2
67.5°	2203.6	2188.4	2207.4	2279.9	2428.6	2527.6	2520.1	2386.6	2367.5	2337.1	2371.4
70°	1856.7	1849.0	1814.7	1814.7	1845.2	1868.1	1894.8	1910.1	1940.5	1978.7	1974.8
72.5°	1505.9	1486.9	1464.0	1452.6	1490.7	1502.1	1536.4	1551.6	1578.4	1574.5	1608.8
75°	995.1	995.1	1021.7	1052.3	1063.7	1086.6	1090.4	1136.1	1136.1	1143.8	1113.2
77.5°	556.7	541.4	560.4	591.0	617.6	659.6	701.5	735.8	754.9	747.2	747.2
80°	324.0	324.0	343.1	377.4	411.8	449.9	480.4	507.0	526.1	518.5	503.3
82.5°	202.1	202.1	221.1	255.4	282.2	305.0	346.9	381.2	404.1	396.5	377.4
85°	102.9	102.9	125.8	148.7	183.0	198.2	194.4	179.2	175.3	156.3	156.3
87.5°	26.7	26.7	38.1	42.0	34.3	38.1	38.1	38.1	38.1	38.1	42.0
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)