

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: P459181

Luminaire Tested: **GLAN-SA6D-735-U-5NQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6D-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 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: 44597 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

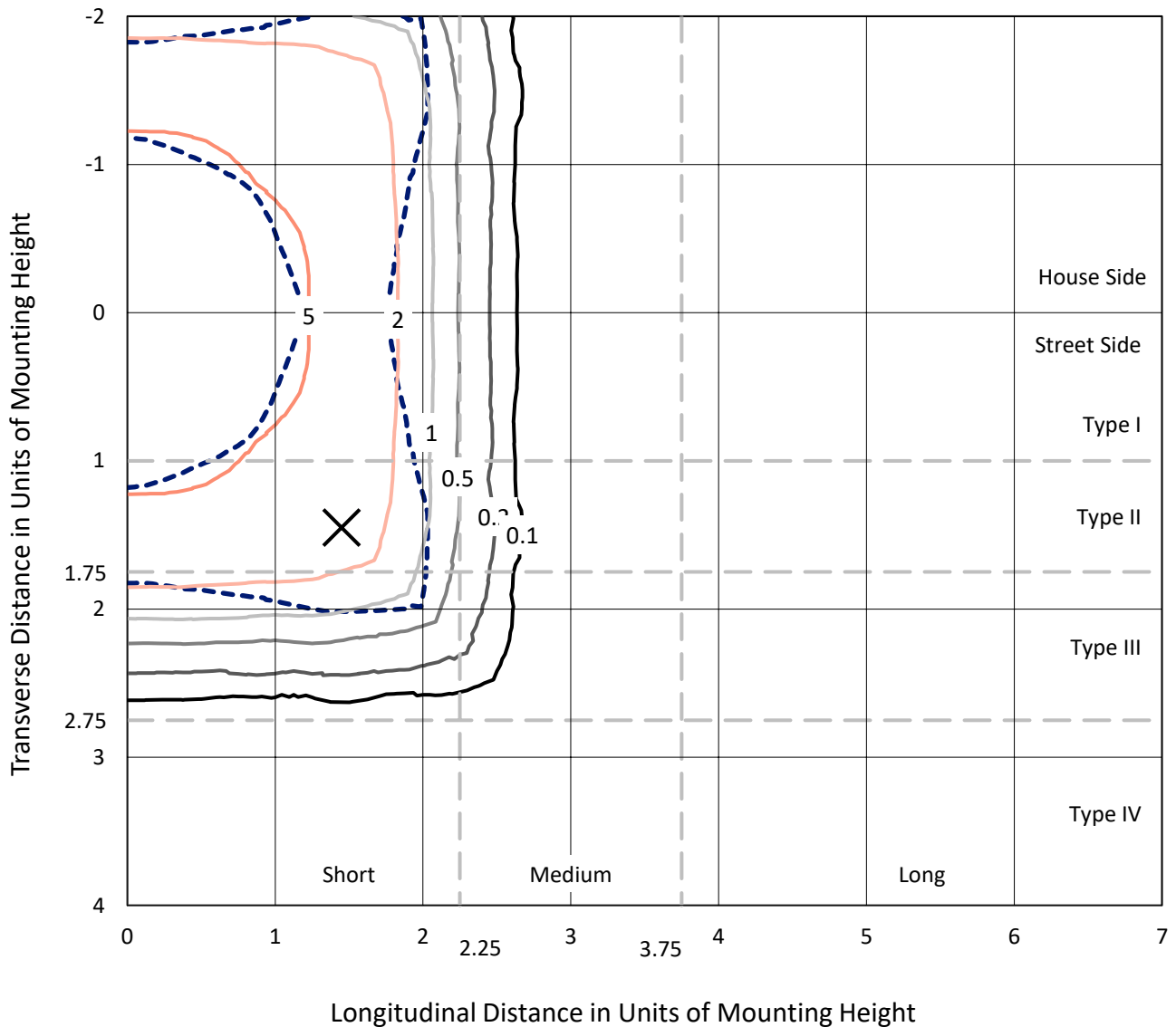
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

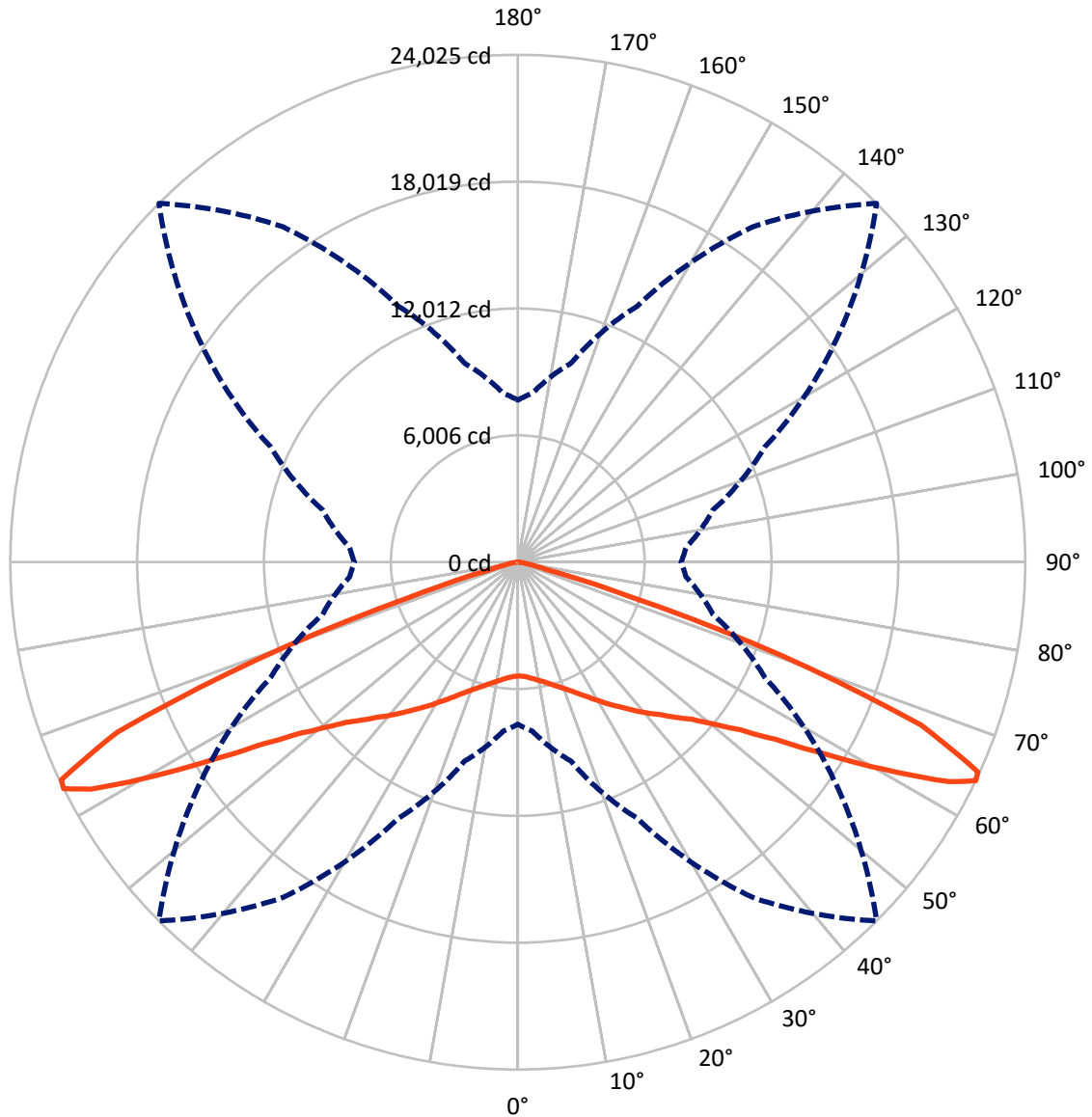
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22298.5	0.0	22298.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22298.5	0.0	22298.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44597.0	0.0	44597.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	529.6	1.2
10°-20°	1708.2	3.8
20°-30°	3228.0	7.2
30°-40°	5345.9	12.0
40°-50°	8345.7	18.7
50°-60°	12902.3	28.9
60°-70°	11125.5	24.9
70°-80°	1260.8	2.8
80°-90°	151.1	0.3
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°	44597.0	100.0
0°-180°	44597.0	100.0

**Coefficient of Utilization**



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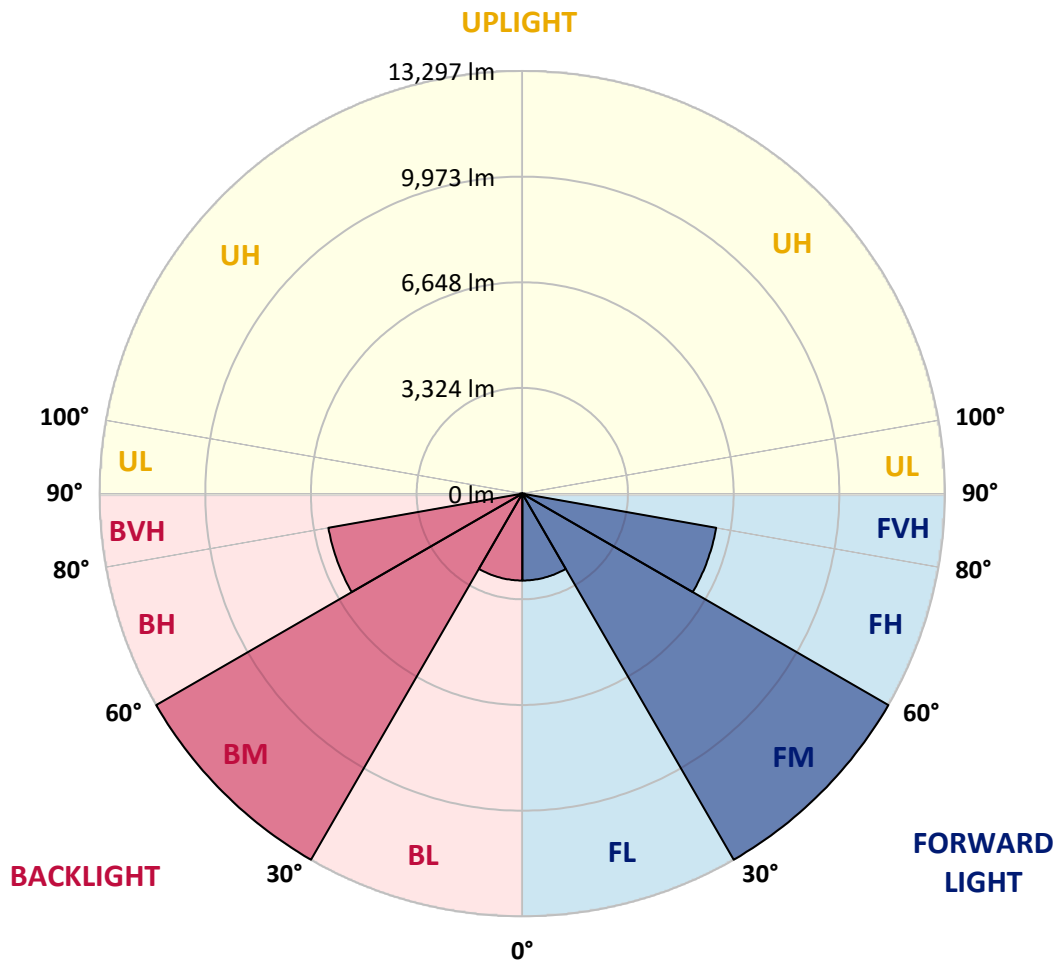
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2732.8	6.1			
FM (30°-60°)	13297.0	29.8			
FH (60°-80°)	6193.2	13.9			G3/7500
FVH (80°-90°)	75.5	0.2			G1/100
BL (0°-30°)	2732.8	6.1	B4/5000		
BM (30°-60°)	13297.0	29.8	B5		
BH (60°-80°)	6193.2	13.9	B5		G3/7500
BVH (80°-90°)	75.5	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-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5390.3	5390.3	5390.3	5390.3	5390.3	5390.3	5390.3	5390.3	5390.3	5390.3	5390.3
2.5°	5411.6	5423.4	5413.9	5411.6	5409.2	5409.2	5409.2	5411.6	5421.0	5428.1	5423.4
5°	5480.1	5489.5	5484.8	5482.4	5480.1	5482.4	5477.7	5475.3	5482.4	5482.4	5480.1
7.5°	5565.1	5576.9	5572.2	5576.9	5579.3	5581.6	5569.8	5560.4	5558.0	5565.1	5560.4
10°	5680.8	5690.3	5692.6	5695.0	5699.7	5697.4	5683.2	5666.7	5664.3	5661.9	5659.6
12.5°	5810.8	5817.8	5820.2	5829.6	5836.7	5839.1	5822.6	5808.4	5784.8	5789.5	5780.0
15°	5957.2	5971.4	5969.0	5983.2	6002.1	6006.8	5990.3	5966.6	5945.4	5933.6	5926.5
17.5°	6136.7	6146.2	6141.4	6155.6	6179.2	6191.0	6176.9	6146.2	6124.9	6098.9	6084.8
20°	6349.3	6365.8	6370.6	6370.6	6391.8	6403.6	6382.4	6372.9	6339.9	6321.0	6309.2
22.5°	6590.2	6597.3	6611.5	6625.7	6646.9	6642.2	6635.1	6620.9	6590.2	6573.7	6554.8
25°	6861.9	6869.0	6904.4	6935.1	6942.2	6937.5	6928.0	6920.9	6892.6	6854.8	6840.6
27.5°	7178.4	7192.6	7239.8	7268.2	7268.2	7270.5	7251.6	7275.2	7213.8	7169.0	7164.2
30°	7575.2	7584.7	7624.8	7653.2	7639.0	7627.2	7622.5	7646.1	7580.0	7499.6	7480.8
32.5°	7967.3	8000.4	8035.8	8097.3	8047.7	8026.4	8021.7	8038.2	7962.6	7872.9	7846.9
35°	8387.8	8411.4	8477.6	8529.5	8484.6	8435.0	8456.3	8508.3	8418.5	8298.0	8293.3
37.5°	8853.1	8874.4	8959.4	9013.7	8980.7	8895.6	8931.1	8992.5	8902.7	8753.9	8723.2
40°	9337.4	9382.2	9488.5	9545.2	9490.9	9377.5	9443.6	9509.8	9429.5	9257.0	9188.5
42.5°	9880.6	9951.5	10105.0	10133.4	10029.4	9875.9	9991.7	10097.9	10041.3	9842.8	9816.9
45°	10516.0	10558.6	10747.5	10808.9	10664.9	10473.5	10617.6	10811.3	10768.8	10539.7	10490.1
47.5°	11227.0	11267.2	11463.2	11555.4	11373.5	11116.0	11375.8	11628.6	11602.6	11356.9	11333.3
50°	12067.9	12077.4	12349.0	12453.0	12271.1	12049.0	12280.5	12594.7	12490.8	12176.6	12171.9
52.5°	12989.2	13001.0	13343.5	13544.2	13442.7	13192.3	13466.3	13657.6	13393.1	12982.1	12951.4
55°	13787.5	13846.6	14314.3	14848.1	14987.5	14805.6	14888.3	14798.5	14146.6	13570.2	13480.5
57.5°	14113.5	14229.3	14940.2	15937.0	16844.1	17113.4	16475.6	15620.5	14446.6	13631.6	13544.2
60°	13317.5	13442.7	14545.8	16437.8	18752.7	19921.9	18129.1	15759.9	13763.9	12618.3	12481.3
62.5°	10664.9	10700.3	12323.0	15259.1	19865.2	22893.4	18825.9	14571.8	11777.4	10220.8	10166.5
64°	7674.4	8038.2	9757.8	13378.9	19378.6	24024.9	18424.3	12906.5	9566.5	7991.0	7735.9
65°	5739.9	5839.1	7865.8	11425.4	18521.2	23939.8	17644.8	11314.4	7922.5	6115.5	5832.0
67.5°	2168.4	2180.2	2903.0	5695.0	13185.2	20597.5	13466.3	6155.6	3337.6	2414.1	2326.7
70°	900.0	916.5	1065.3	1915.7	5666.7	13225.4	6493.4	2220.4	1221.2	989.7	975.5
72.5°	659.0	668.5	713.4	850.4	1743.2	5430.5	2135.3	942.5	715.7	640.1	633.0
75°	517.3	522.0	555.1	626.0	812.6	1504.7	888.1	647.2	545.6	491.3	486.6
77.5°	394.5	406.3	429.9	477.1	545.6	713.4	588.2	484.2	420.5	375.6	368.5
80°	271.6	285.8	330.7	349.6	366.1	463.0	401.6	366.1	328.3	274.0	257.5
82.5°	167.7	177.2	222.0	238.6	231.5	259.8	257.5	262.2	233.8	170.1	158.3
85°	87.4	92.1	120.5	125.2	115.7	106.3	132.3	153.5	144.1	96.8	94.5
87.5°	18.9	21.3	26.0	23.6	26.0	26.0	33.1	49.6	52.0	33.1	30.7
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)