

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: P316144

Luminaire Tested: **GAN-SA0D-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0D-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 73670 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

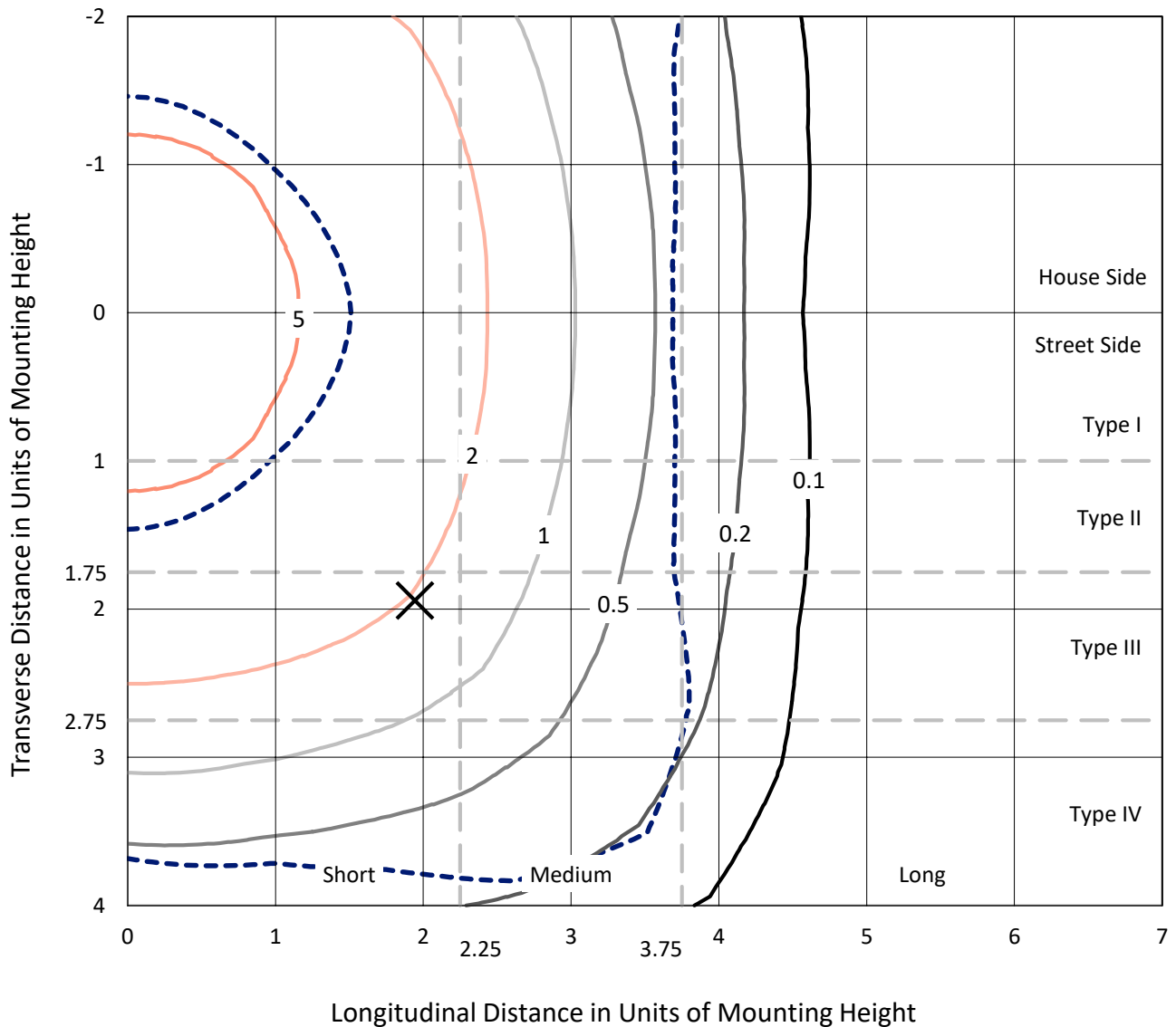
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

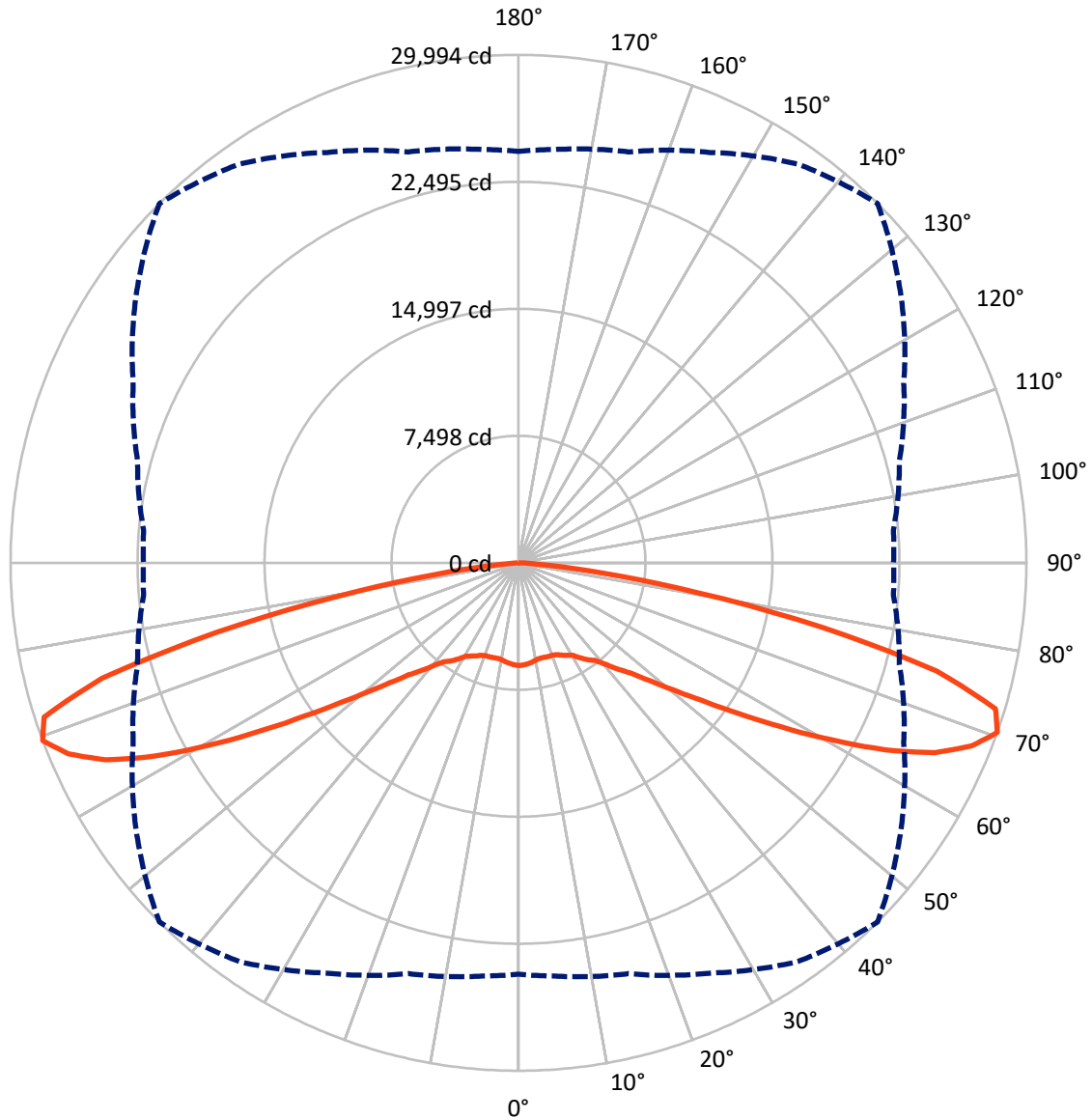
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	36835.0	0.0	36835.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	36835.0	0.0	36835.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	73670.0	0.0	73670.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	565.9	0.8
10°-20°	1653.0	2.2
20°-30°	2818.3	3.8
30°-40°	4403.6	6.0
40°-50°	7463.1	10.1
50°-60°	13609.5	18.5
60°-70°	23429.8	31.8
70°-80°	18365.1	24.9
80°-90°	1361.7	1.8
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°	73670.0	100.0
0°-180°	73670.0	100.0

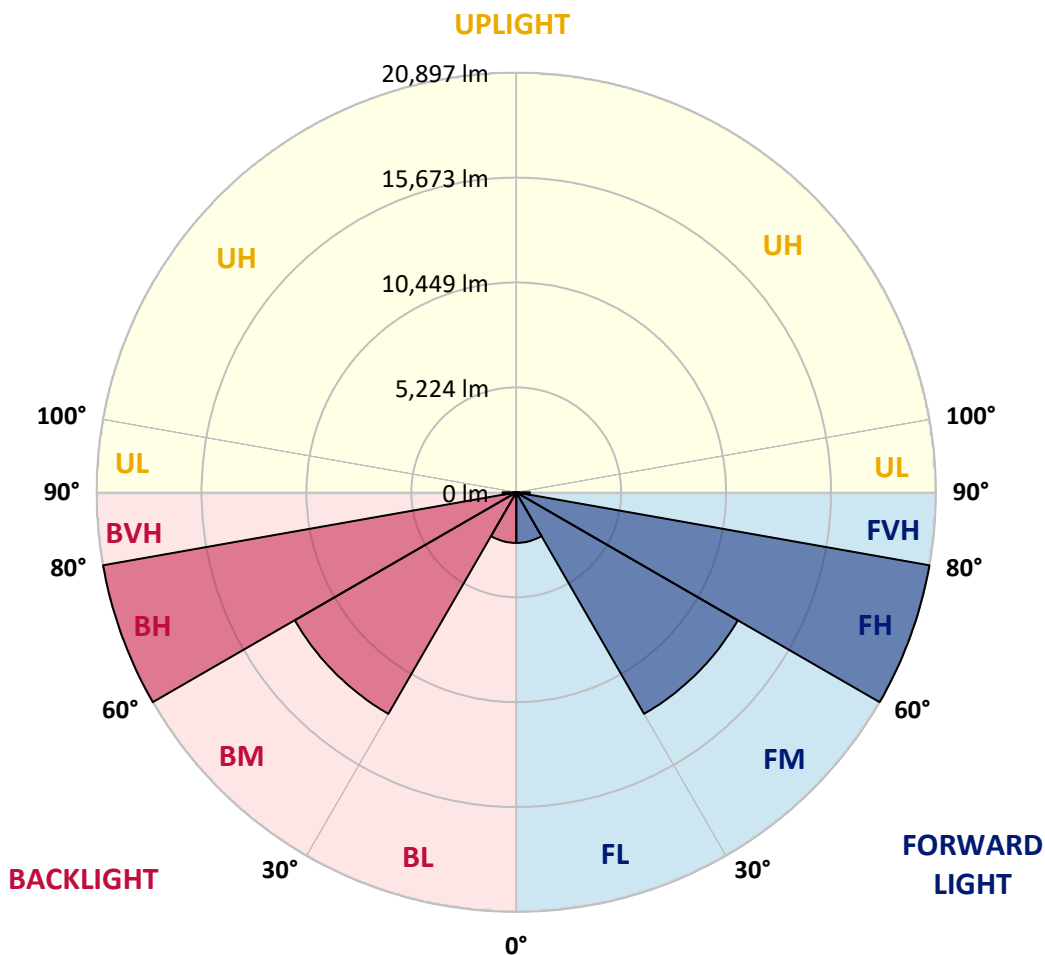


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2518.6	3.4			
FM (30°-60°)	12738.1	17.3			
FH (60°-80°)	20897.4	28.4			G5
FVH (80°-90°)	680.9	0.9			G4/750
BL (0°-30°)	2518.6	3.4	B4/5000		
BM (30°-60°)	12738.1	17.3	B5		
BH (60°-80°)	20897.4	28.4	B5		G5
BVH (80°-90°)	680.9	0.9			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6063.1	6063.1	6063.1	6063.1	6063.1	6063.1	6063.1	6063.1	6063.1	6063.1	6063.1
2.5°	6036.2	6043.6	6036.2	6041.1	6028.9	6033.8	6033.8	6033.8	6031.4	6033.8	6028.9
5°	5982.6	5987.5	5977.8	5982.6	5975.3	5982.6	5985.1	5982.6	5977.8	5980.2	5970.4
7.5°	5902.2	5907.1	5899.8	5907.1	5897.3	5909.5	5907.1	5899.8	5892.5	5892.5	5882.7
10°	5858.4	5860.8	5841.3	5834.0	5812.0	5816.9	5824.2	5831.5	5838.9	5853.5	5851.0
12.5°	5860.8	5860.8	5831.5	5799.9	5768.2	5775.5	5787.7	5814.5	5843.7	5870.5	5873.0
15°	5885.2	5882.7	5838.9	5787.7	5765.7	5787.7	5795.0	5812.0	5858.4	5904.7	5907.1
17.5°	5902.2	5902.2	5834.0	5775.5	5773.1	5807.2	5804.7	5812.0	5863.2	5931.5	5933.9
20°	5933.9	5933.9	5846.2	5782.8	5782.8	5819.4	5821.8	5834.0	5885.2	5960.7	5972.9
22.5°	6004.6	6007.0	5914.4	5863.2	5868.1	5890.0	5897.3	5916.8	5963.1	6046.0	6060.6
25°	6104.5	6109.4	6014.3	5985.1	6002.1	6043.6	6038.7	6053.3	6104.5	6184.9	6199.5
27.5°	6243.4	6231.2	6143.5	6131.3	6148.3	6177.6	6175.1	6177.6	6219.0	6292.1	6309.2
30°	6423.7	6418.8	6355.5	6362.8	6355.5	6345.7	6348.2	6367.7	6389.6	6448.1	6465.1
32.5°	6599.2	6604.0	6565.1	6601.6	6655.2	6691.8	6635.7	6582.1	6557.7	6589.4	6604.0
35°	6916.0	6928.2	6867.2	6842.9	6916.0	7023.2	6864.8	6777.1	6825.8	6867.2	6879.4
37.5°	7454.5	7461.8	7359.5	7262.0	7208.4	7310.8	7152.4	7159.7	7330.2	7408.2	7405.8
40°	8068.6	8071.1	8002.8	7917.5	7824.9	7849.3	7786.0	7805.4	7917.5	7988.2	8007.7
42.5°	8799.7	8792.4	8685.2	8563.3	8536.5	8560.9	8453.7	8439.0	8568.2	8694.9	8697.4
45°	9747.7	9730.6	9591.7	9457.7	9328.5	9274.9	9248.1	9318.8	9496.7	9613.6	9616.1
47.5°	10768.7	10722.4	10649.3	10542.1	10430.0	10376.4	10332.5	10366.6	10495.8	10542.1	10547.0
50°	11819.1	11828.8	11843.4	11802.0	11760.6	11743.5	11629.0	11563.2	11602.2	11516.9	11504.7
52.5°	13064.3	13083.8	13225.2	13344.6	13415.2	13451.8	13234.9	13008.3	12881.5	12715.8	12667.1
55°	14533.8	14565.5	14772.6	15104.0	15445.2	15625.5	15233.2	14809.1	14416.8	14107.3	14007.4
57.5°	16171.4	16227.4	16512.6	17148.6	17848.0	18274.4	17611.6	16841.5	16083.7	15637.7	15559.7
60°	18091.7	18145.3	18540.1	19451.5	20584.6	21225.6	20221.5	18961.7	18018.6	17592.1	17448.3
62.5°	20377.5	20382.4	20867.3	21932.3	23428.5	24320.4	22960.6	21276.7	20304.4	19790.2	19651.3
65°	22836.4	22848.5	23350.5	24500.8	26048.2	27018.1	25482.8	23728.3	22539.1	21781.2	21673.9
67.5°	24573.9	24625.1	25153.9	26538.0	27985.6	28860.4	27271.5	25287.9	23913.5	23009.4	22919.2
70°	24296.1	24495.9	25117.3	26733.0	28745.9	29993.6	27561.5	25102.7	23289.6	22222.3	22146.7
72.5°	21189.0	21571.6	22400.1	24520.3	27739.4	29457.5	25980.0	22483.0	20431.1	19522.1	19385.7
75°	14429.0	15050.4	16300.5	19358.9	23699.0	25504.8	21871.3	17926.0	15995.9	14738.5	14645.9
77.5°	6433.5	6574.8	8158.8	11680.1	16354.2	18315.9	15891.1	11726.4	8802.1	7020.8	6645.5
80°	1793.6	1815.5	2422.3	4349.9	8185.6	10761.4	8787.5	4569.2	2568.5	1810.6	1705.8
82.5°	570.2	619.0	755.4	1128.3	2751.3	4910.4	2824.4	1218.5	867.5	692.1	623.9
85°	277.8	275.4	382.6	458.1	701.8	1086.9	748.1	565.4	494.7	329.0	297.3
87.5°	117.0	119.4	177.9	160.8	204.7	175.5	241.3	253.4	265.6	146.2	126.7
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)