

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: P316824

Luminaire Tested: **GAN-SA0D-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316824  
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-SA0D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 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: 79221 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

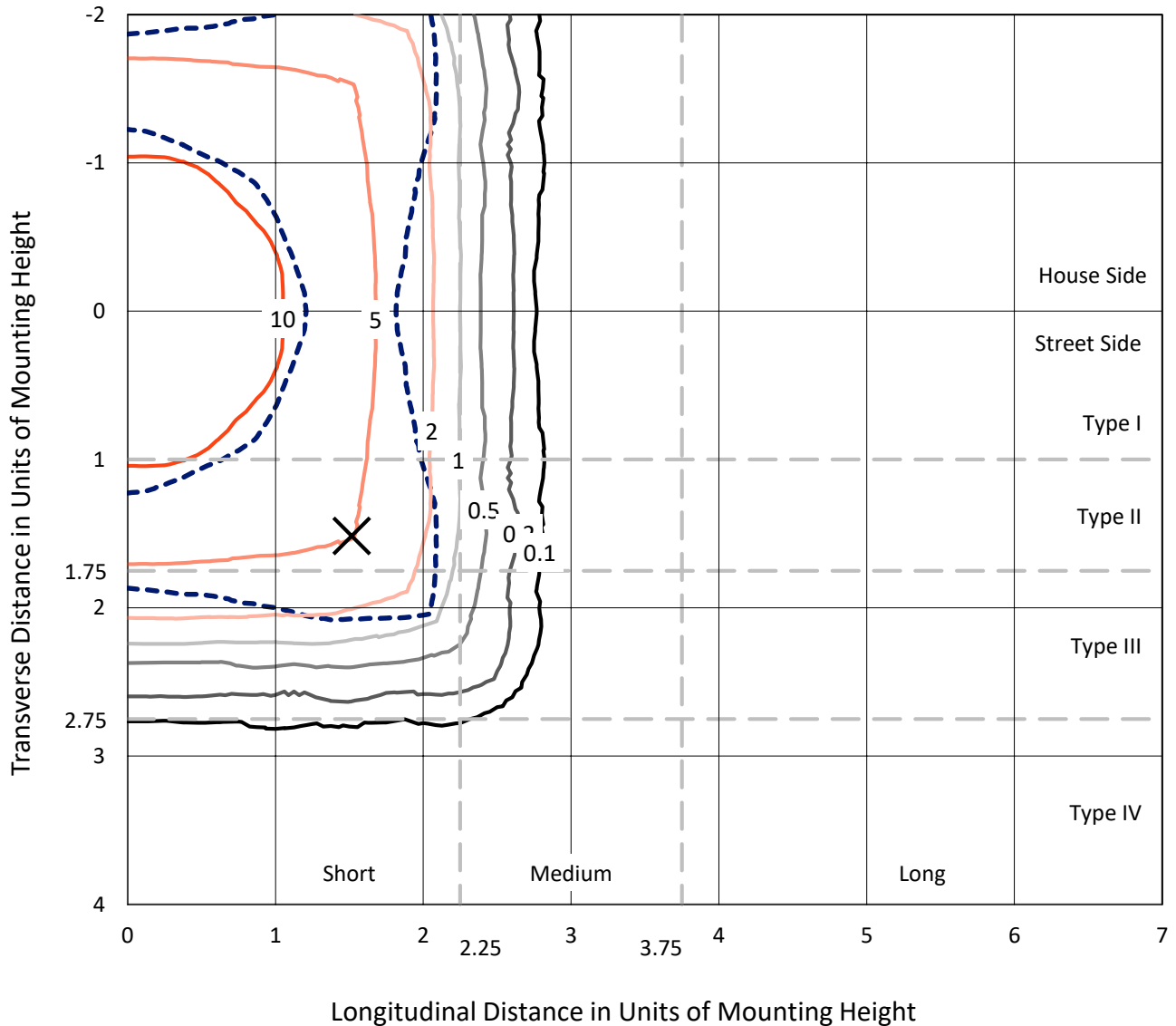
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

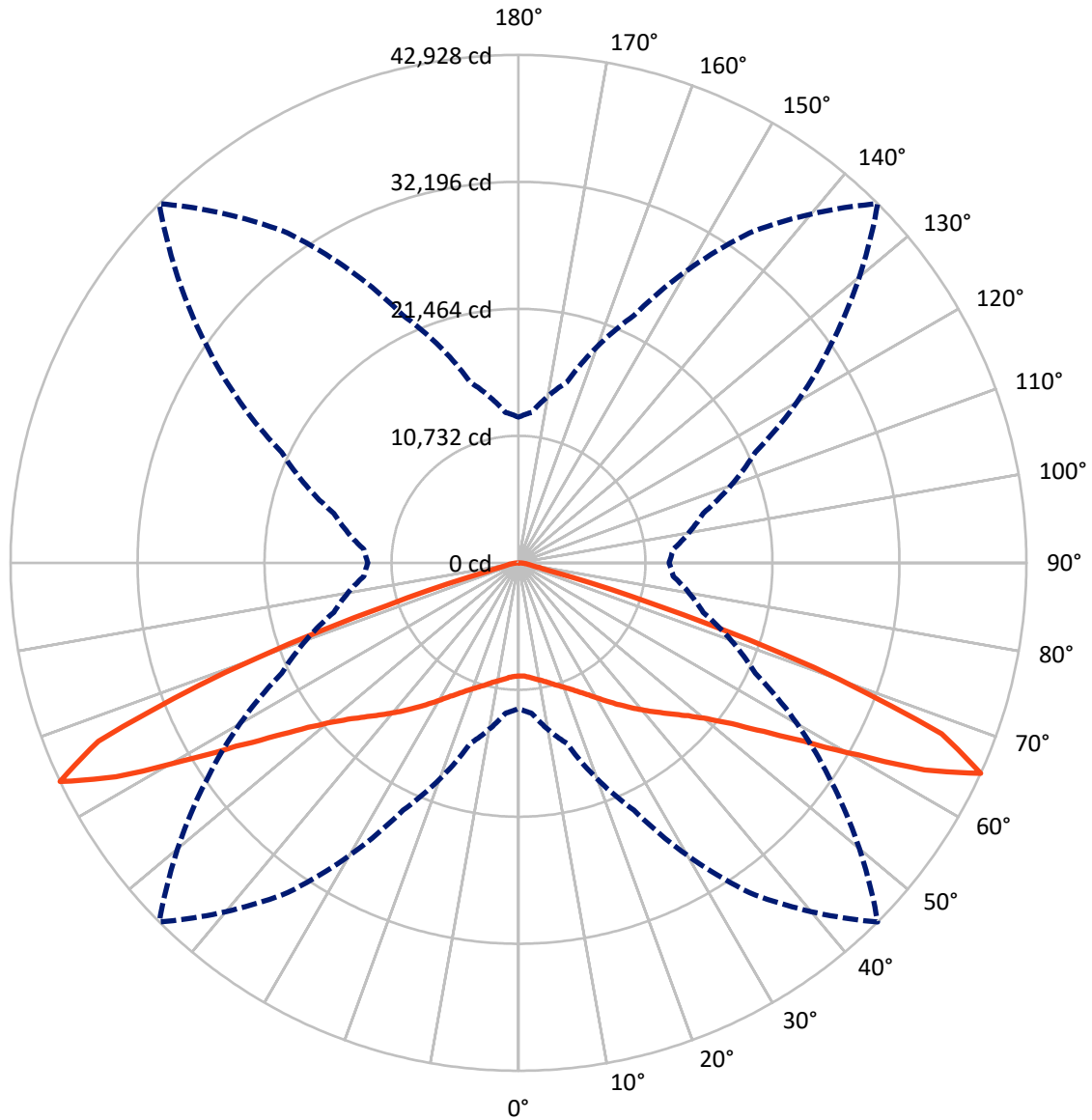
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 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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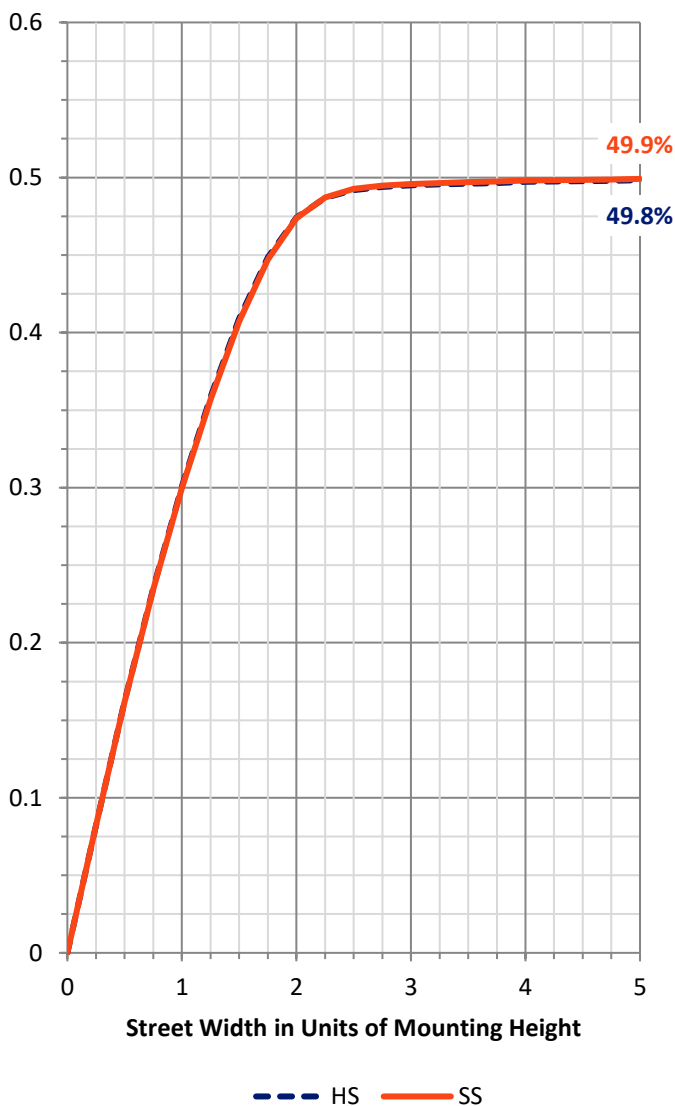
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	39610.5	0.0	39610.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	39610.5	0.0	39610.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	79221.0	0.0	79221.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	938.6	1.2
10°-20°	3017.1	3.8
20°-30°	5660.6	7.1
30°-40°	9361.4	11.8
40°-50°	14499.6	18.3
50°-60°	22238.3	28.1
60°-70°	20750.9	26.2
70°-80°	2415.1	3.0
80°-90°	339.4	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°	79221.0	100.0
0°-180°	79221.0	100.0

**Coefficient of Utilization**

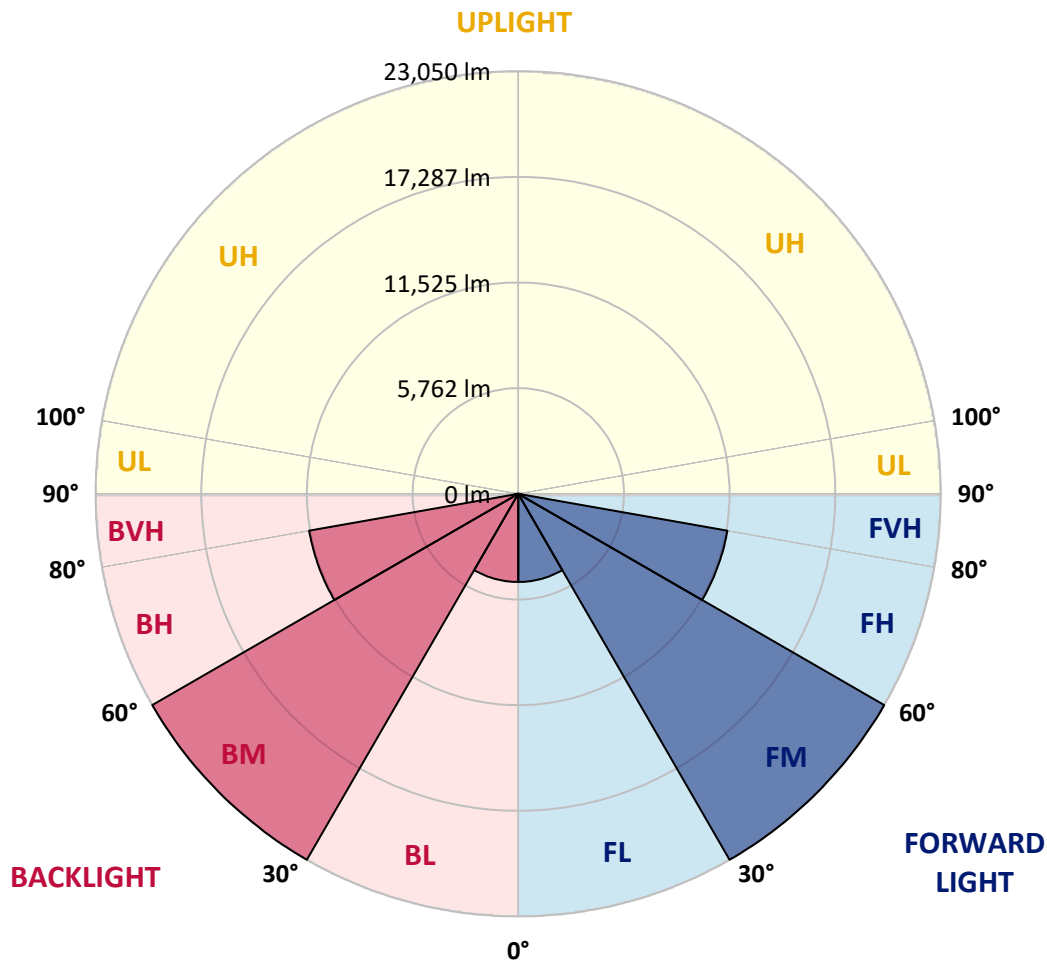


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4808.1	6.1			
FM (30°-60°)	23049.7	29.1			
FH (60°-80°)	11583.0	14.6			G4/12000
FVH (80°-90°)	169.7	0.2			G2/225
BL (0°-30°)	4808.1	6.1	B4/5000		
BM (30°-60°)	23049.7	29.1	B5		
BH (60°-80°)	11583.0	14.6	B5		G4/12000
BVH (80°-90°)	169.7	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-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9566.9	9566.9	9566.9	9566.9	9566.9	9566.9	9566.9	9566.9	9566.9	9566.9	9566.9
2.5°	9598.5	9593.2	9598.5	9601.1	9585.3	9593.2	9590.6	9603.8	9609.0	9603.8	9603.8
5°	9708.9	9701.1	9711.6	9724.7	9703.7	9708.9	9701.1	9716.8	9722.1	9711.6	9719.5
7.5°	9861.5	9864.1	9874.6	9898.3	9885.1	9895.7	9879.9	9882.5	9879.9	9864.1	9866.7
10°	10027.1	10029.8	10048.2	10079.7	10085.0	10085.0	10074.5	10066.6	10056.1	10045.5	10048.2
12.5°	10227.0	10240.1	10253.3	10292.7	10292.7	10313.8	10308.5	10287.5	10269.1	10253.3	10253.3
15°	10497.9	10495.2	10511.0	10550.5	10568.9	10603.1	10603.1	10574.1	10550.5	10534.7	10529.4
17.5°	10781.9	10789.8	10800.3	10847.6	10876.5	10916.0	10921.2	10897.6	10881.8	10860.8	10847.6
20°	11113.2	11126.4	11168.4	11186.8	11213.1	11250.0	11263.1	11257.9	11242.1	11231.6	11234.2
22.5°	11499.8	11534.0	11560.3	11586.6	11618.1	11644.4	11657.6	11676.0	11660.2	11652.3	11647.1
25°	11967.9	11991.5	12044.1	12091.5	12112.5	12120.4	12136.2	12162.5	12159.8	12141.4	12141.4
27.5°	12499.1	12543.8	12609.5	12677.9	12677.9	12651.6	12704.2	12748.9	12733.1	12709.5	12677.9
30°	13143.4	13185.4	13261.7	13356.4	13309.0	13290.6	13361.6	13443.2	13419.5	13380.0	13374.8
32.5°	13837.6	13877.1	13977.0	14079.5	14019.1	13992.8	14069.0	14187.4	14145.3	14066.4	14019.1
35°	14589.7	14629.2	14771.2	14894.8	14792.2	14747.5	14810.6	14939.5	14865.8	14718.6	14681.8
37.5°	15407.6	15428.6	15612.7	15738.9	15667.9	15549.6	15628.5	15723.1	15660.0	15481.2	15410.2
40°	16257.0	16333.2	16546.2	16693.5	16569.9	16383.2	16514.7	16646.2	16551.5	16322.7	16201.7
42.5°	17248.4	17306.2	17590.2	17721.7	17521.9	17258.9	17437.7	17616.5	17521.9	17301.0	17195.8
45°	18279.2	18368.6	18707.9	18839.3	18550.1	18216.1	18434.4	18747.3	18739.4	18421.2	18310.8
47.5°	19402.1	19491.5	19896.5	20070.1	19757.1	19310.1	19617.7	20059.5	20028.0	19678.2	19588.8
50°	20698.6	20793.2	21298.1	21516.4	21224.5	20703.8	21166.7	21555.9	21498.0	21066.7	21074.6
52.5°	22326.4	22321.1	22949.6	23328.3	23028.5	22568.3	22994.3	23373.0	23133.7	22536.7	22518.3
55°	23751.7	23838.5	24616.9	25334.8	25316.4	25140.2	25311.1	25326.9	24643.2	23849.0	23751.7
57.5°	24687.9	24853.5	25950.1	27249.2	28222.2	28456.3	28124.9	27120.4	25518.8	24248.7	24093.5
60°	24111.9	24364.4	26086.9	28735.0	31601.4	32976.7	31107.0	27990.8	24837.8	23067.9	22857.6
62.5°	20225.2	20651.2	23173.1	28017.1	34509.9	38530.7	33268.6	26594.4	22129.1	19691.4	19331.1
65°	12317.6	12767.3	15807.3	23060.1	34039.2	42927.6	32282.5	22073.9	16151.8	13119.7	12730.5
67.5°	4105.0	4236.5	6027.3	12746.3	26752.2	38570.2	26796.9	13214.4	7029.3	4659.9	4523.1
70°	1606.8	1619.9	1911.8	3694.8	12633.2	26491.8	13940.2	3760.5	1998.6	1580.5	1614.7
72.5°	1180.7	1186.0	1267.5	1543.6	3292.4	11670.7	3410.8	1551.5	1233.3	1107.1	1107.1
75°	949.3	949.3	1007.2	1125.5	1475.3	2677.1	1496.3	1112.4	965.1	883.6	873.1
77.5°	749.5	765.2	810.0	886.2	999.3	1288.6	1036.1	881.0	778.4	702.1	686.4
80°	557.5	573.3	646.9	683.7	717.9	894.1	765.2	689.0	615.4	525.9	510.2
82.5°	365.5	381.3	473.4	494.4	486.5	583.8	515.4	507.5	452.3	339.2	323.5
85°	239.3	244.6	315.6	328.7	302.4	265.6	328.7	347.1	315.6	220.9	213.0
87.5°	113.1	113.1	160.4	149.9	136.7	110.4	149.9	176.2	178.8	107.8	105.2
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)