

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: P316864

Luminaire Tested: **GAN-SA0D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316864
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-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 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: 79220 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

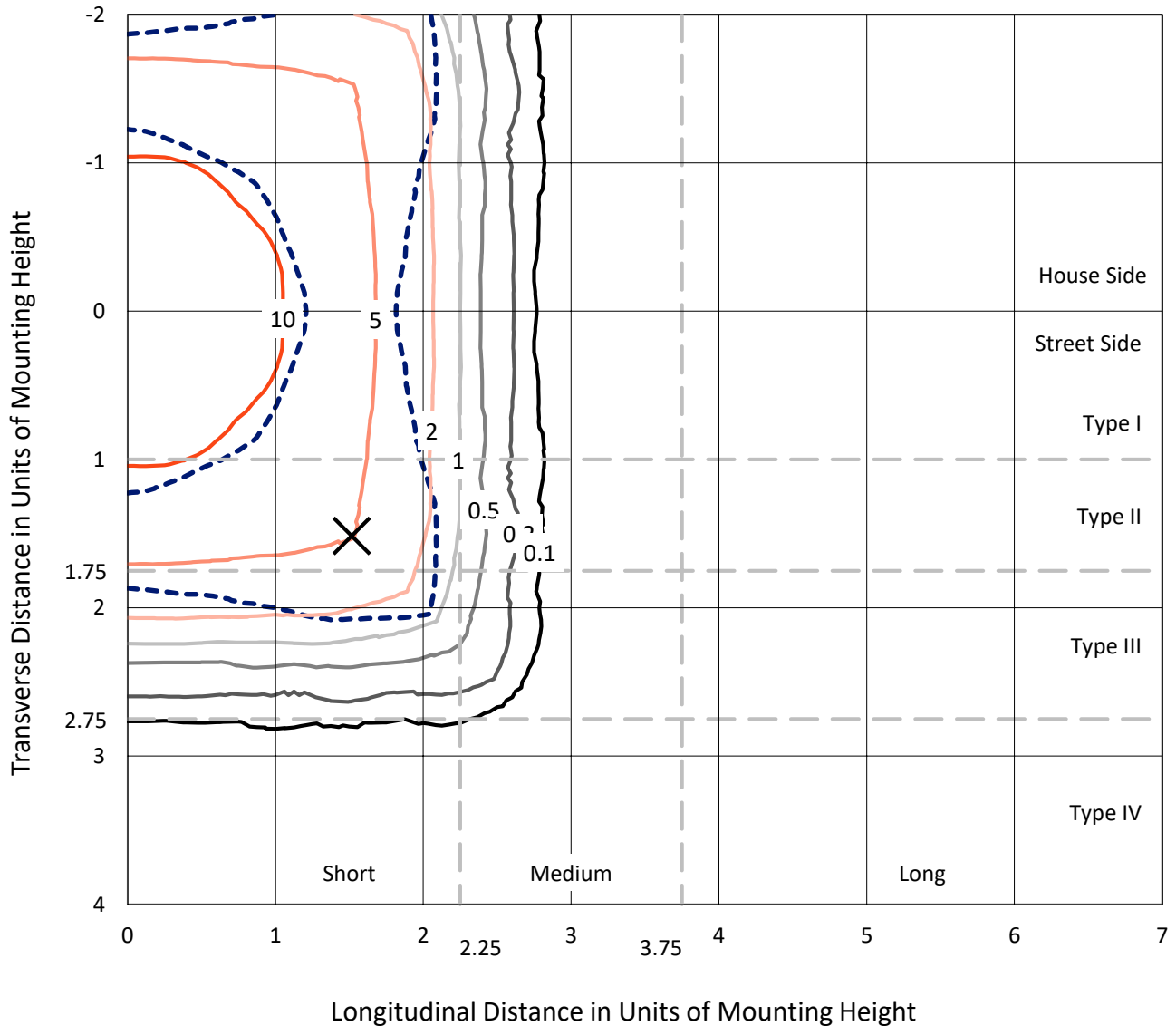
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

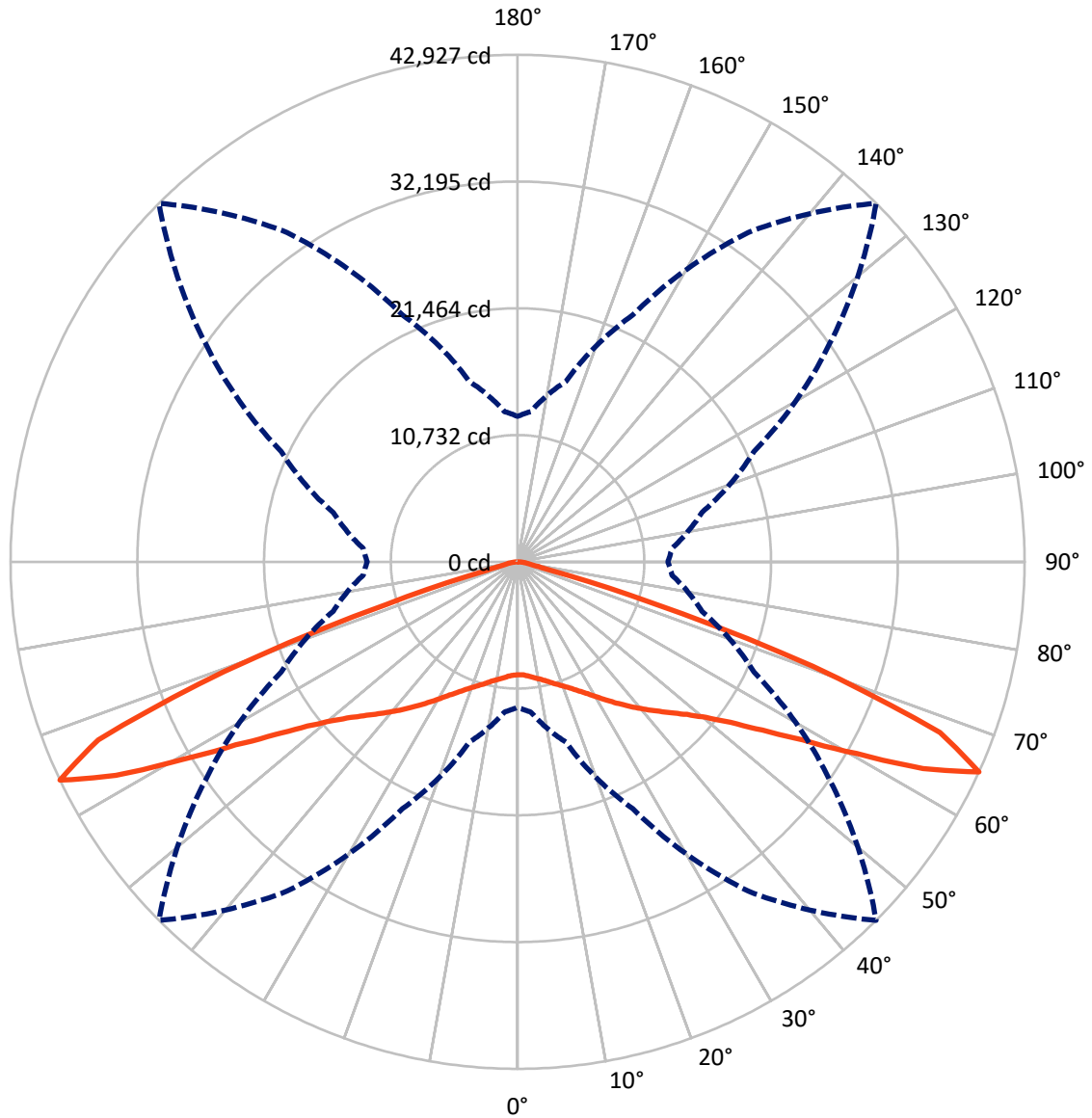
× Max cd
 - - - 1/2 Max cd



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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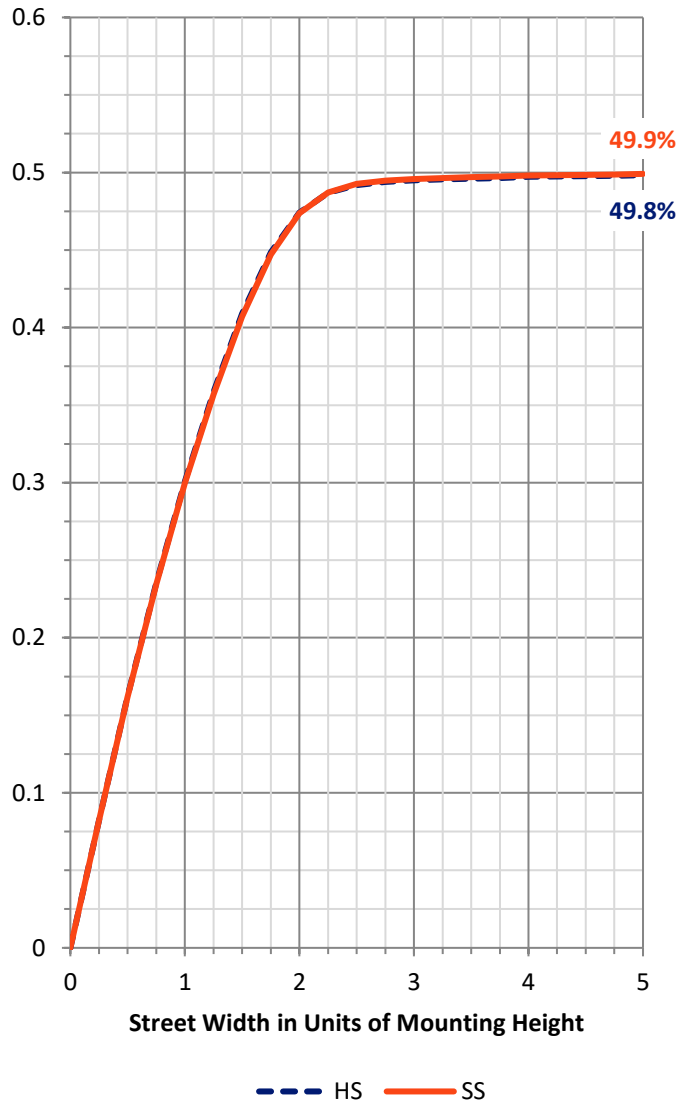
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39610.0	0.0	39610.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	39610.0	0.0	39610.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	79220.0	0.0	79220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.6	1.2
10°-20°	3017.0	3.8
20°-30°	5660.5	7.1
30°-40°	9361.3	11.8
40°-50°	14499.4	18.3
50°-60°	22238.1	28.1
60°-70°	20750.6	26.2
70°-80°	2415.1	3.0
80°-90°	339.3	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°	79220.0	100.0
0°-180°	79220.0	100.0

Coefficient of Utilization

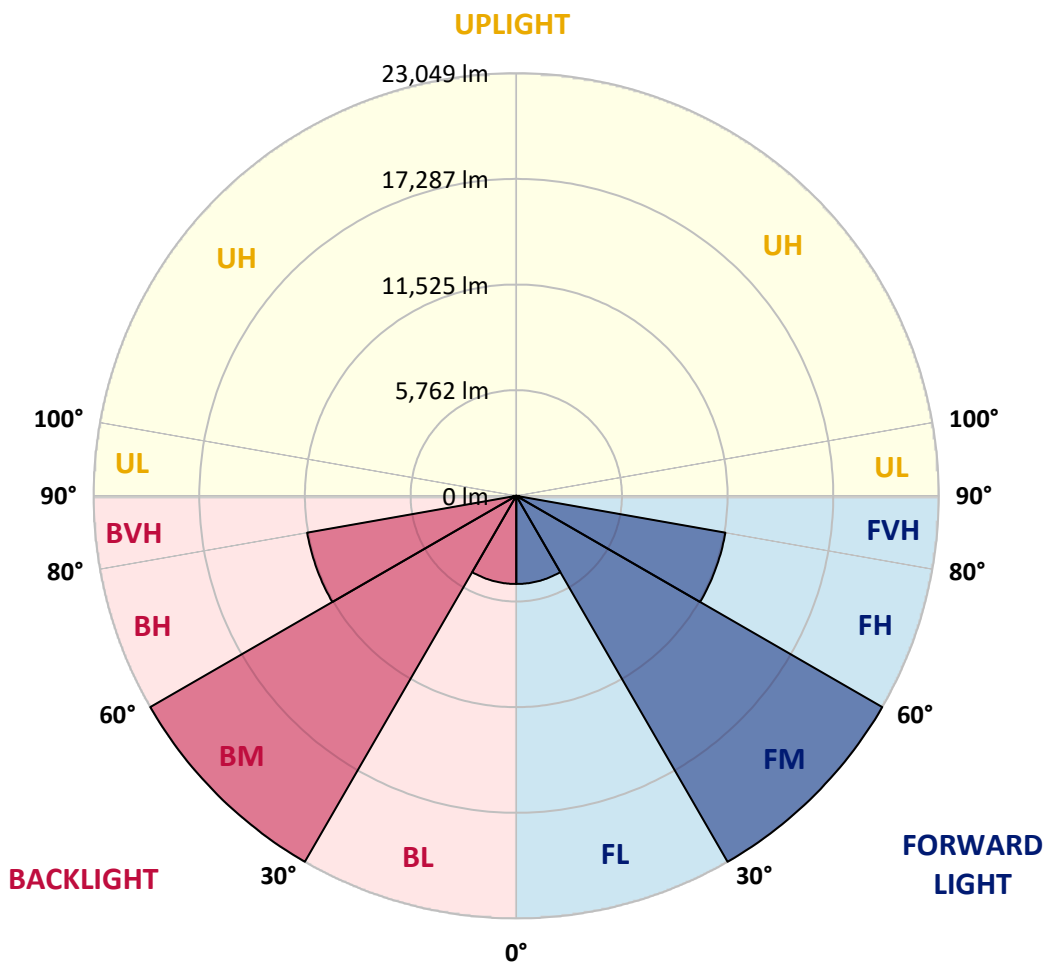


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4808.1	6.1			
FM (30°-60°)	23049.4	29.1			
FH (60°-80°)	11582.8	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°)	23049.4	29.1	B5		
BH (60°-80°)	11582.8	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°	9566.8	9566.8	9566.8	9566.8	9566.8	9566.8	9566.8	9566.8	9566.8	9566.8	9566.8
2.5°	9598.4	9593.1	9598.4	9601.0	9585.2	9593.1	9590.5	9603.6	9608.9	9603.6	9603.6
5°	9708.8	9700.9	9711.5	9724.6	9703.6	9708.8	9700.9	9716.7	9722.0	9711.5	9719.3
7.5°	9861.3	9864.0	9874.5	9898.2	9885.0	9895.5	9879.8	9882.4	9879.8	9864.0	9866.6
10°	10027.0	10029.6	10048.1	10079.6	10084.9	10084.9	10074.3	10066.5	10055.9	10045.4	10048.1
12.5°	10226.9	10240.0	10253.2	10292.6	10292.6	10313.7	10308.4	10287.4	10268.9	10253.2	10253.2
15°	10497.7	10495.1	10510.9	10550.3	10568.7	10602.9	10602.9	10574.0	10550.3	10534.5	10529.3
17.5°	10781.7	10789.6	10800.1	10847.5	10876.4	10915.9	10921.1	10897.4	10881.7	10860.6	10847.5
20°	11113.1	11126.2	11168.3	11186.7	11213.0	11249.8	11263.0	11257.7	11241.9	11231.4	11234.0
22.5°	11499.6	11533.8	11560.1	11586.4	11618.0	11644.3	11657.4	11675.8	11660.1	11652.2	11646.9
25°	11967.7	11991.4	12044.0	12091.3	12112.4	12120.2	12136.0	12162.3	12159.7	12141.3	12141.3
27.5°	12498.9	12543.6	12609.4	12677.7	12677.7	12651.4	12704.0	12748.7	12733.0	12709.3	12677.7
30°	13143.2	13185.3	13261.5	13356.2	13308.9	13290.5	13361.5	13443.0	13419.3	13379.9	13374.6
32.5°	13837.4	13876.9	13976.8	14079.4	14018.9	13992.6	14068.9	14187.2	14145.1	14066.2	14018.9
35°	14589.5	14629.0	14771.0	14894.6	14792.0	14747.3	14810.4	14939.3	14865.6	14718.4	14681.6
37.5°	15407.4	15428.4	15612.5	15738.7	15667.7	15549.4	15628.3	15722.9	15659.8	15481.0	15410.0
40°	16256.8	16333.0	16546.0	16693.3	16569.7	16383.0	16514.5	16645.9	16551.3	16322.5	16201.5
42.5°	17248.1	17306.0	17590.0	17721.5	17521.6	17258.7	17437.5	17616.3	17521.6	17300.7	17195.6
45°	18279.0	18368.4	18707.6	18839.1	18549.8	18215.9	18434.1	18747.1	18739.2	18421.0	18310.5
47.5°	19401.9	19491.3	19896.2	20069.8	19756.9	19309.8	19617.5	20059.3	20027.7	19678.0	19588.6
50°	20698.3	20793.0	21297.9	21516.1	21224.2	20703.6	21166.4	21555.6	21497.7	21066.5	21074.3
52.5°	22326.1	22320.8	22949.3	23328.0	23028.2	22568.0	22994.0	23372.7	23133.4	22536.5	22518.0
55°	23751.4	23838.2	24616.5	25334.4	25316.0	25139.9	25310.8	25326.6	24642.8	23848.7	23751.4
57.5°	24687.5	24853.2	25949.8	27248.9	28221.9	28455.9	28124.6	27120.0	25518.5	24248.4	24093.2
60°	24111.6	24364.1	26086.5	28734.6	31601.0	32976.3	31106.6	27990.4	24837.4	23067.7	22857.3
62.5°	20225.0	20651.0	23172.8	28016.7	34509.4	38530.2	33268.2	26594.1	22128.9	19691.1	19330.9
65°	12317.5	12767.2	15807.1	23059.8	34038.7	42927.1	32282.1	22073.6	16151.6	13119.5	12730.3
67.5°	4104.9	4236.4	6027.3	12746.1	26751.9	38569.7	26796.6	13214.2	7029.2	4659.8	4523.1
70°	1606.7	1619.9	1911.8	3694.7	12633.0	26491.5	13940.0	3760.5	1998.6	1580.4	1614.6
72.5°	1180.7	1186.0	1267.5	1543.6	3292.4	11670.6	3410.7	1551.5	1233.3	1107.1	1107.1
75°	949.3	949.3	1007.2	1125.5	1475.3	2677.0	1496.3	1112.4	965.1	883.6	873.1
77.5°	749.5	765.2	809.9	886.2	999.3	1288.5	1036.1	880.9	778.4	702.1	686.3
80°	557.5	573.3	646.9	683.7	717.9	894.1	765.2	689.0	615.3	525.9	510.2
82.5°	365.5	381.3	473.3	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)