

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: P316812

Luminaire Tested: **GAN-SA8C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316812
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-SA8C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58472 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

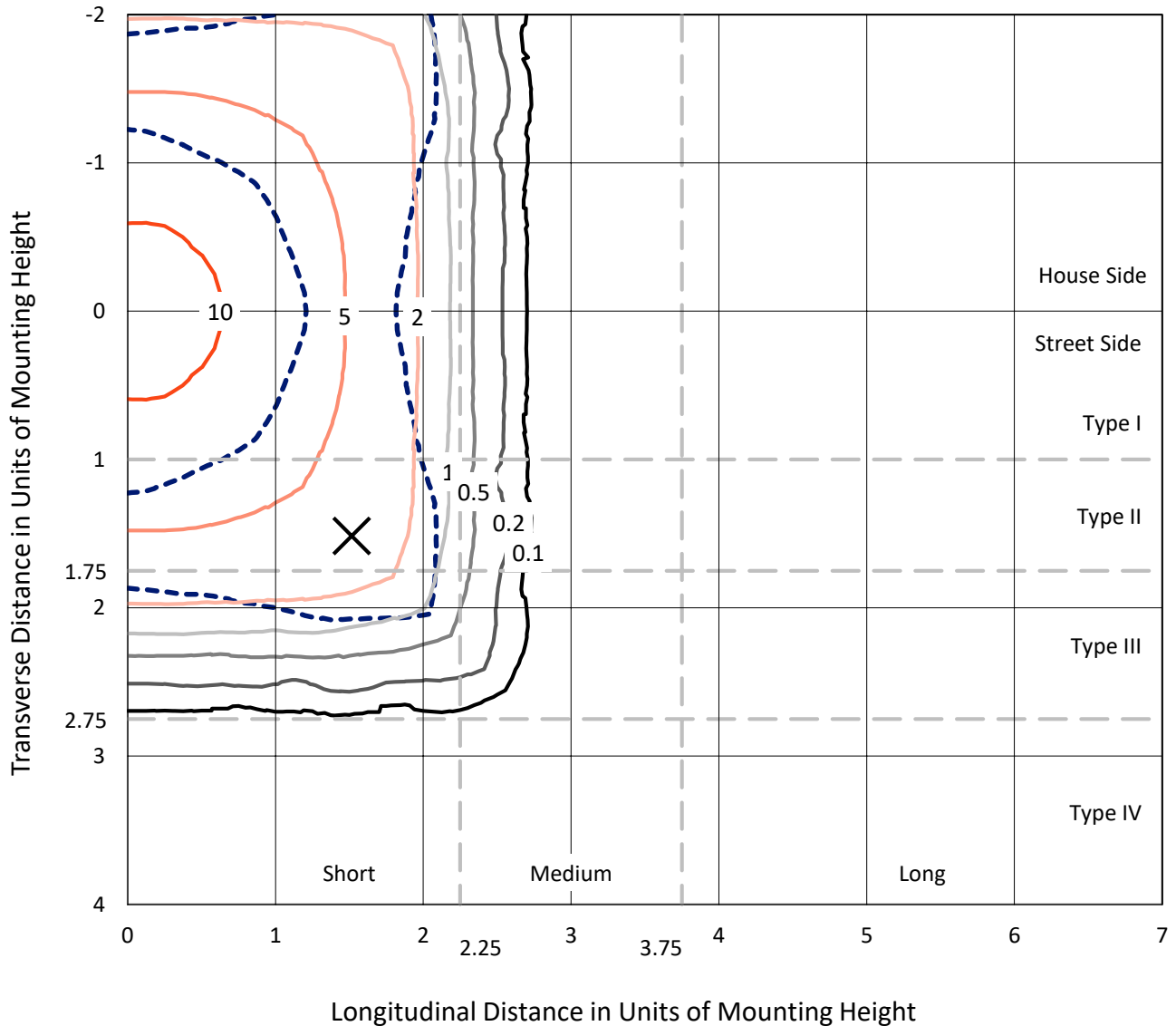
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

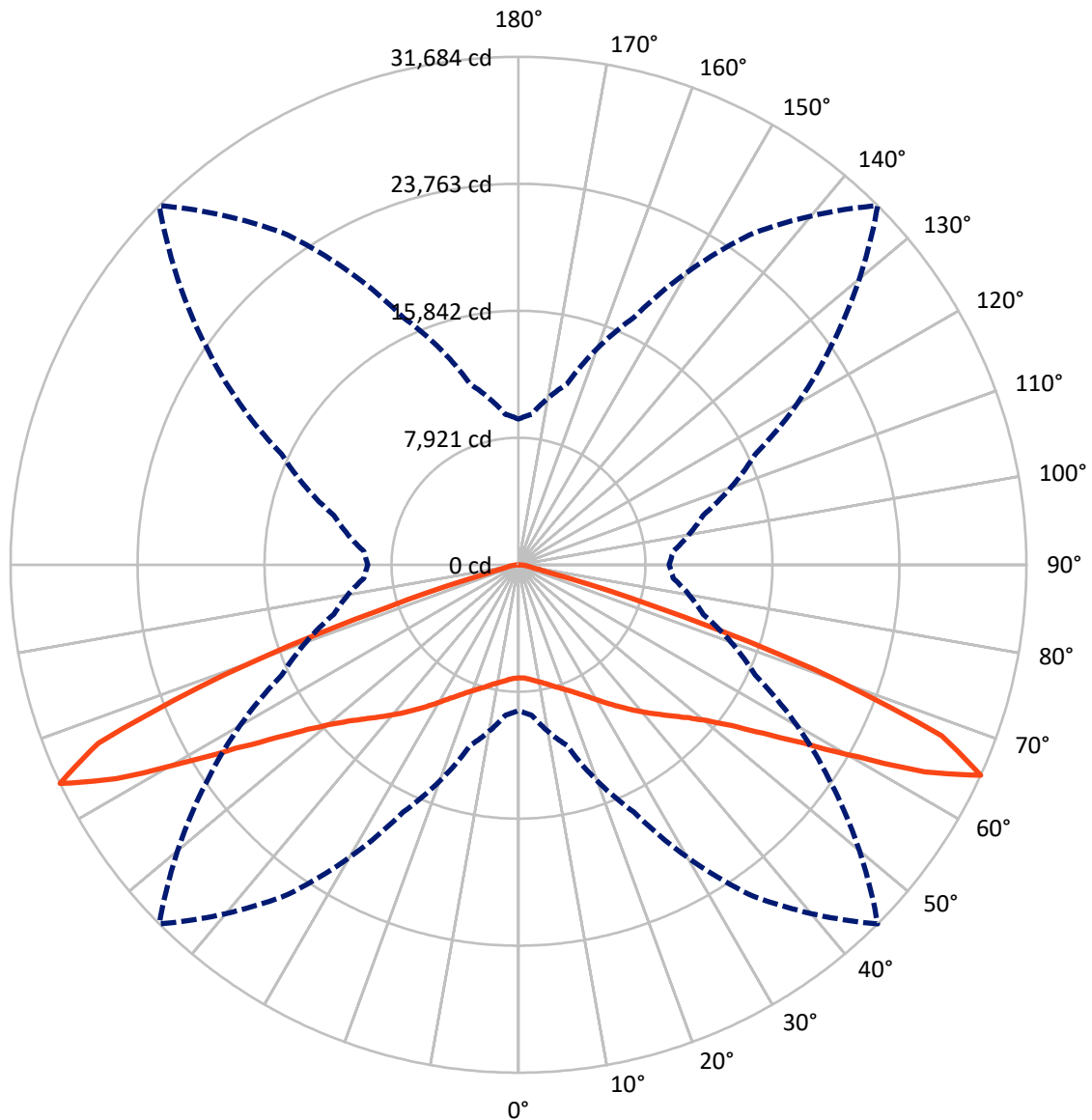
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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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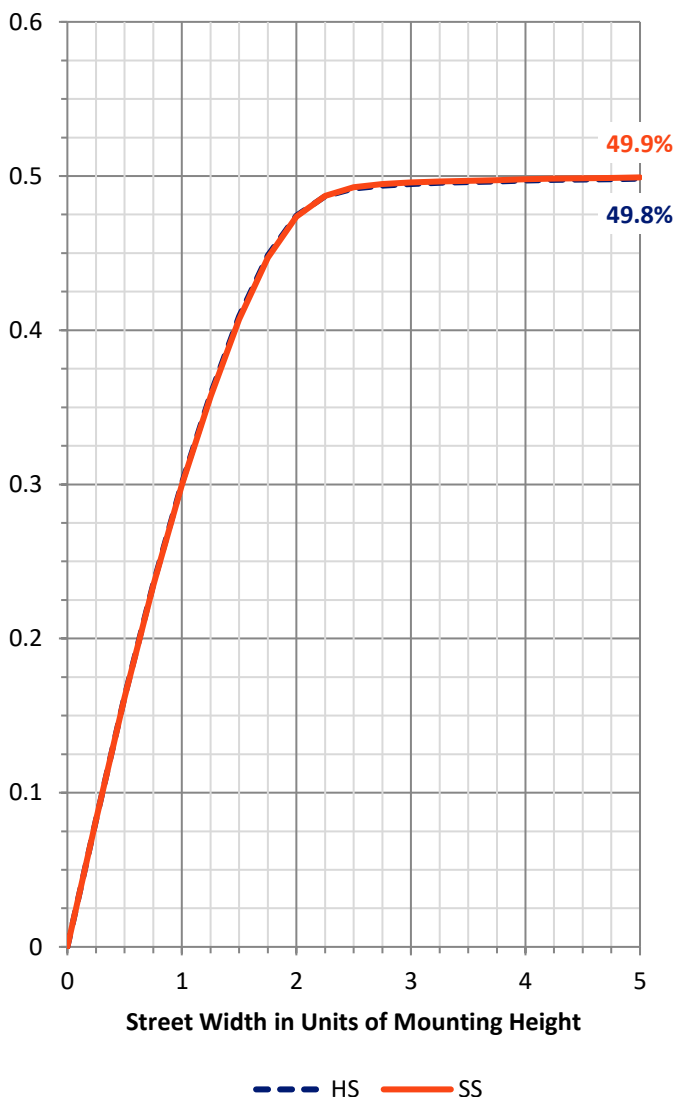
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29236.0	0.0	29236.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29236.0	0.0	29236.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58472.0	0.0	58472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.8	1.2
10°-20°	2226.9	3.8
20°-30°	4178.0	7.1
30°-40°	6909.6	11.8
40°-50°	10702.0	18.3
50°-60°	16413.8	28.1
60°-70°	15316.0	26.2
70°-80°	1782.5	3.0
80°-90°	250.5	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°	58472.0	100.0
0°-180°	58472.0	100.0

Coefficient of Utilization

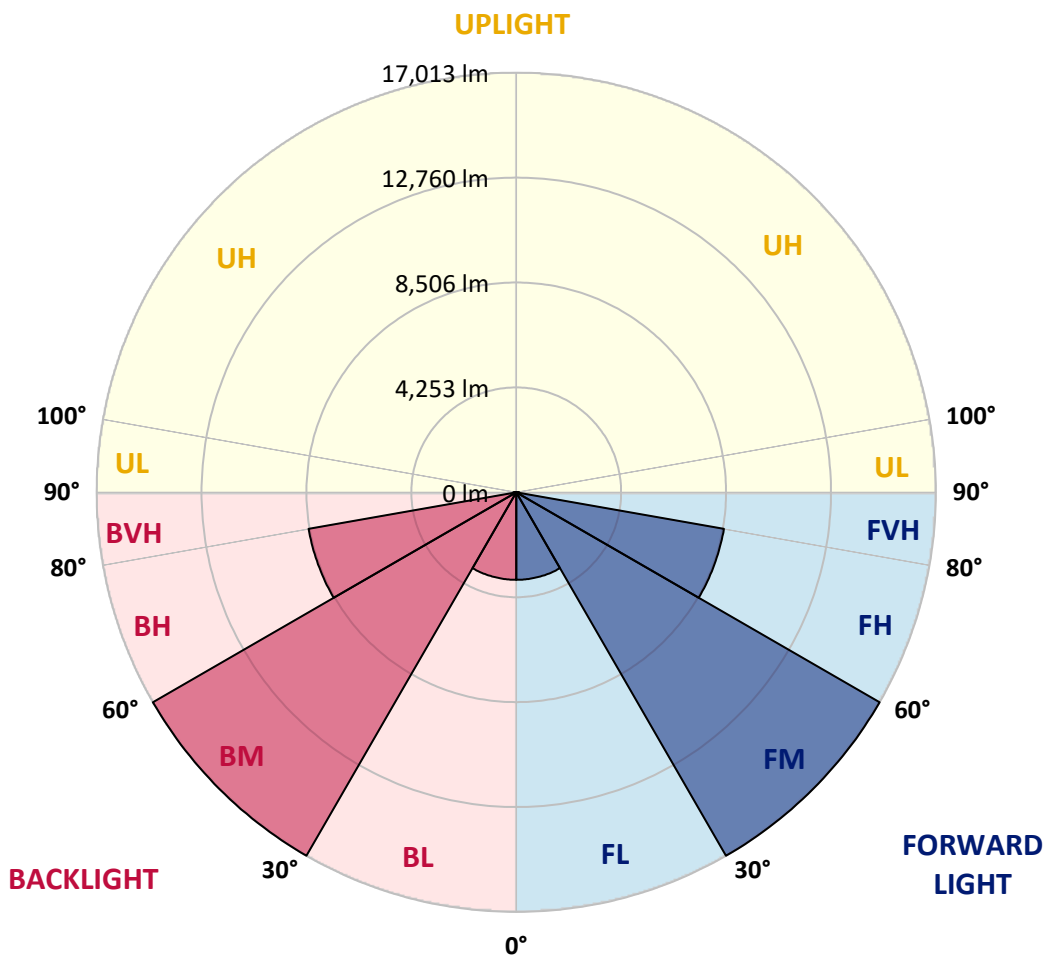


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3548.8	6.1			
FM (30°-60°)	17012.7	29.1			
FH (60°-80°)	8549.3	14.6			G4/12000
FVH (80°-90°)	125.2	0.2			G2/225
BL (0°-30°)	3548.8	6.1	B4/5000		
BM (30°-60°)	17012.7	29.1	B5		
BH (60°-80°)	8549.3	14.6	B5		G4/12000
BVH (80°-90°)	125.2	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°	7061.2	7061.2	7061.2	7061.2	7061.2	7061.2	7061.2	7061.2	7061.2	7061.2	7061.2
2.5°	7084.5	7080.6	7084.5	7086.5	7074.8	7080.6	7078.7	7088.4	7092.3	7088.4	7088.4
5°	7166.0	7160.2	7168.0	7177.7	7162.2	7166.0	7160.2	7171.9	7175.8	7168.0	7173.8
7.5°	7278.6	7280.6	7288.3	7305.8	7296.1	7303.9	7292.2	7294.2	7292.2	7280.6	7282.5
10°	7400.9	7402.8	7416.4	7439.7	7443.6	7443.6	7435.8	7430.0	7422.3	7414.5	7416.4
12.5°	7548.4	7558.1	7567.8	7596.9	7596.9	7612.5	7608.6	7593.1	7579.5	7567.8	7567.8
15°	7748.3	7746.4	7758.0	7787.2	7800.7	7826.0	7826.0	7804.6	7787.2	7775.5	7771.6
17.5°	7958.0	7963.8	7971.5	8006.5	8027.8	8057.0	8060.8	8043.4	8031.7	8016.2	8006.5
20°	8202.5	8212.2	8243.3	8256.9	8276.3	8303.5	8313.2	8309.3	8297.6	8289.9	8291.8
22.5°	8487.8	8513.1	8532.5	8551.9	8575.2	8594.6	8604.3	8617.9	8606.2	8600.4	8596.5
25°	8833.3	8850.8	8889.6	8924.6	8940.1	8945.9	8957.6	8977.0	8975.0	8961.4	8961.4
27.5°	9225.4	9258.4	9306.9	9357.4	9357.4	9338.0	9376.8	9409.8	9398.2	9380.7	9357.4
30°	9700.9	9732.0	9788.3	9858.2	9823.2	9809.6	9862.0	9922.2	9904.7	9875.6	9871.8
32.5°	10213.4	10242.5	10316.2	10391.9	10347.3	10327.9	10384.2	10471.5	10440.5	10382.2	10347.3
35°	10768.5	10797.6	10902.4	10993.6	10917.9	10884.9	10931.5	11026.6	10972.3	10863.6	10836.4
37.5°	11372.1	11387.6	11523.5	11616.7	11564.3	11476.9	11535.2	11605.0	11558.5	11426.5	11374.1
40°	11999.1	12055.3	12212.6	12321.3	12230.0	12092.2	12189.3	12286.3	12216.4	12047.6	11958.3
42.5°	12730.8	12773.5	12983.1	13080.2	12932.7	12738.6	12870.5	13002.5	12932.7	12769.6	12692.0
45°	13491.7	13557.6	13808.0	13905.1	13691.6	13445.1	13606.2	13837.1	13831.3	13596.5	13514.9
47.5°	14320.4	14386.4	14685.3	14813.5	14582.5	14252.5	14479.6	14805.7	14782.4	14524.2	14458.3
50°	15277.3	15347.2	15719.9	15881.0	15665.5	15281.2	15622.8	15910.1	15867.4	15549.1	15554.9
52.5°	16478.8	16474.9	16938.8	17218.3	16997.0	16657.4	16971.8	17251.3	17074.7	16634.1	16620.5
55°	17530.8	17594.9	18169.4	18699.3	18685.7	18555.6	18681.8	18693.4	18188.8	17602.6	17530.8
57.5°	18221.8	18344.1	19153.5	20112.3	20830.4	21003.2	20758.6	20017.2	18835.1	17897.6	17783.1
60°	17796.7	17983.1	19254.4	21208.9	23324.6	24339.7	22959.7	20659.6	18332.4	17026.2	16870.9
62.5°	14928.0	15242.4	17103.8	20679.1	25471.3	28439.0	24555.2	19629.0	16333.2	14534.0	14268.0
65°	9091.5	9423.4	11667.1	17020.3	25123.9	31684.3	23827.3	16292.5	11921.4	9683.5	9396.2
67.5°	3029.8	3126.9	4448.7	9407.9	19745.4	28468.1	19778.4	9753.4	5188.2	3439.4	3338.5
70°	1185.9	1195.6	1411.1	2727.1	9324.4	19553.3	10289.1	2775.6	1475.1	1166.5	1191.8
72.5°	871.5	875.4	935.5	1139.3	2430.1	8614.0	2517.4	1145.2	910.3	817.1	817.1
75°	700.7	700.7	743.4	830.7	1088.9	1975.9	1104.4	821.0	712.3	652.2	644.4
77.5°	553.2	564.8	597.8	654.1	737.6	951.1	764.7	650.2	574.5	518.2	506.6
80°	411.5	423.1	477.5	504.7	529.9	659.9	564.8	508.5	454.2	388.2	376.5
82.5°	269.8	281.4	349.4	364.9	359.1	430.9	380.4	374.6	333.8	250.4	238.7
85°	176.6	180.5	232.9	242.6	223.2	196.0	242.6	256.2	232.9	163.0	157.2
87.5°	83.5	83.5	118.4	110.6	100.9	81.5	110.6	130.0	132.0	79.6	77.6
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)