

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: P316804

Luminaire Tested: **GAN-SA0B-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316804
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-SA0B-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58347 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

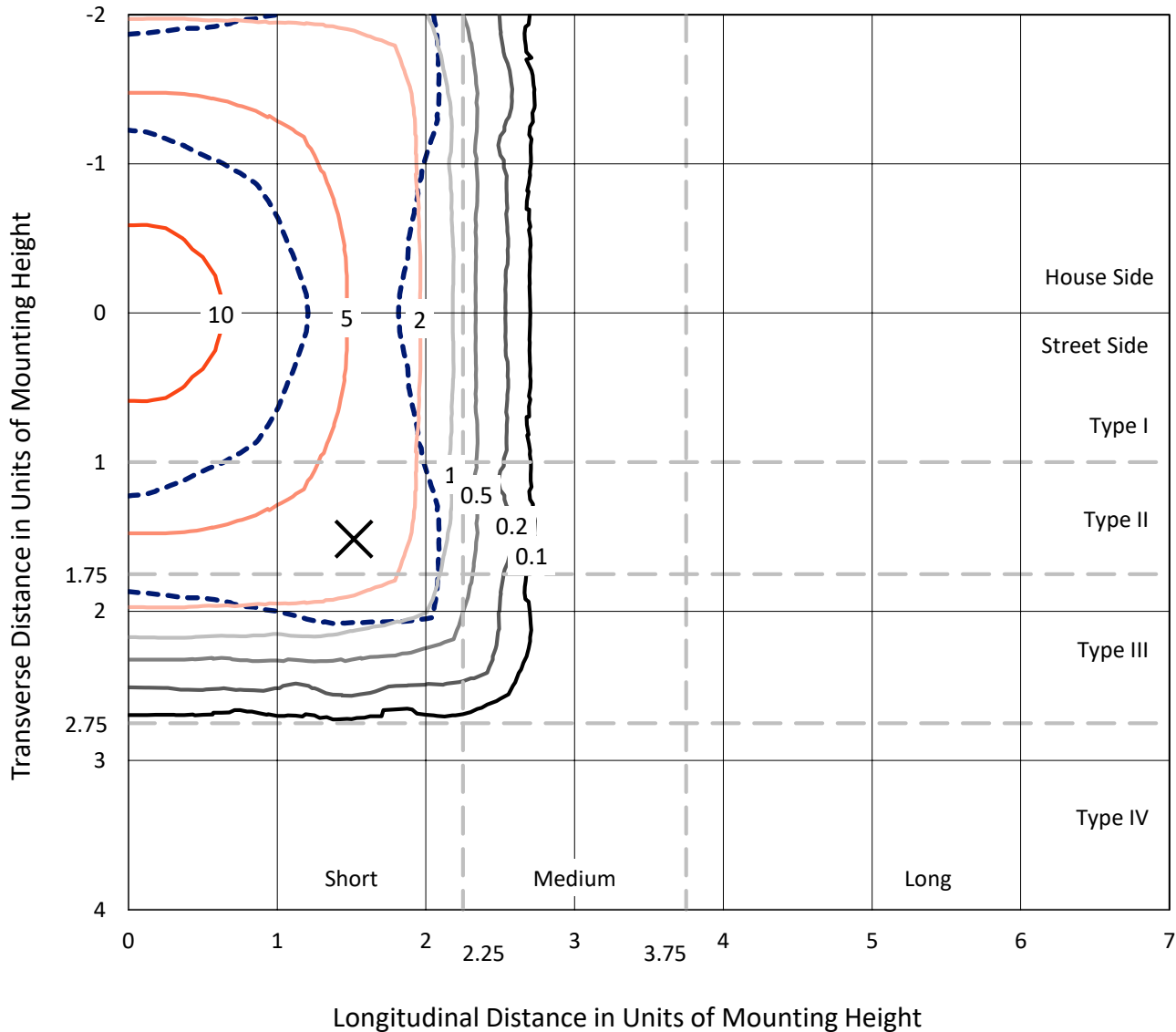
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

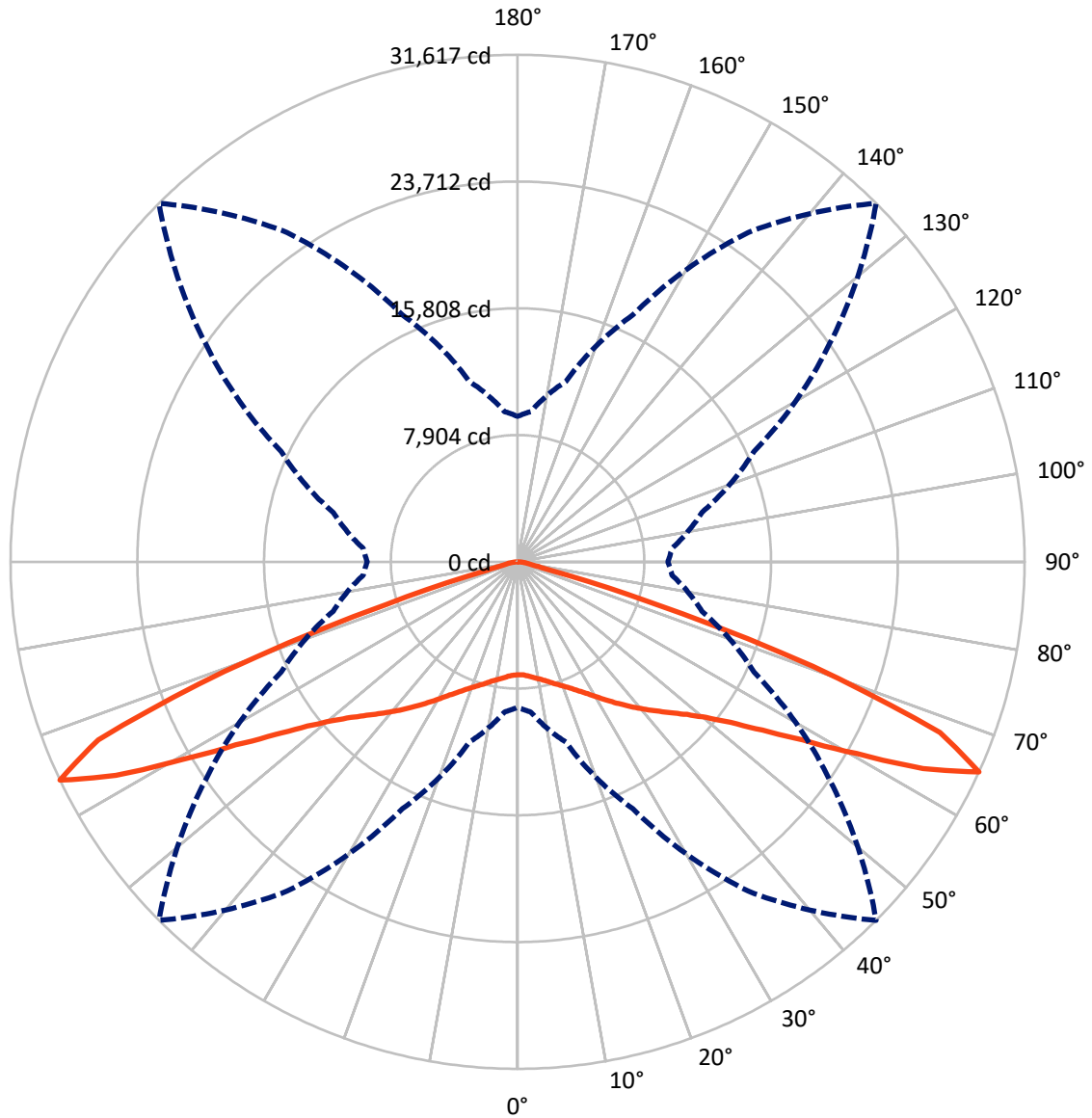
× Max cd
 - - - 1/2 Max cd



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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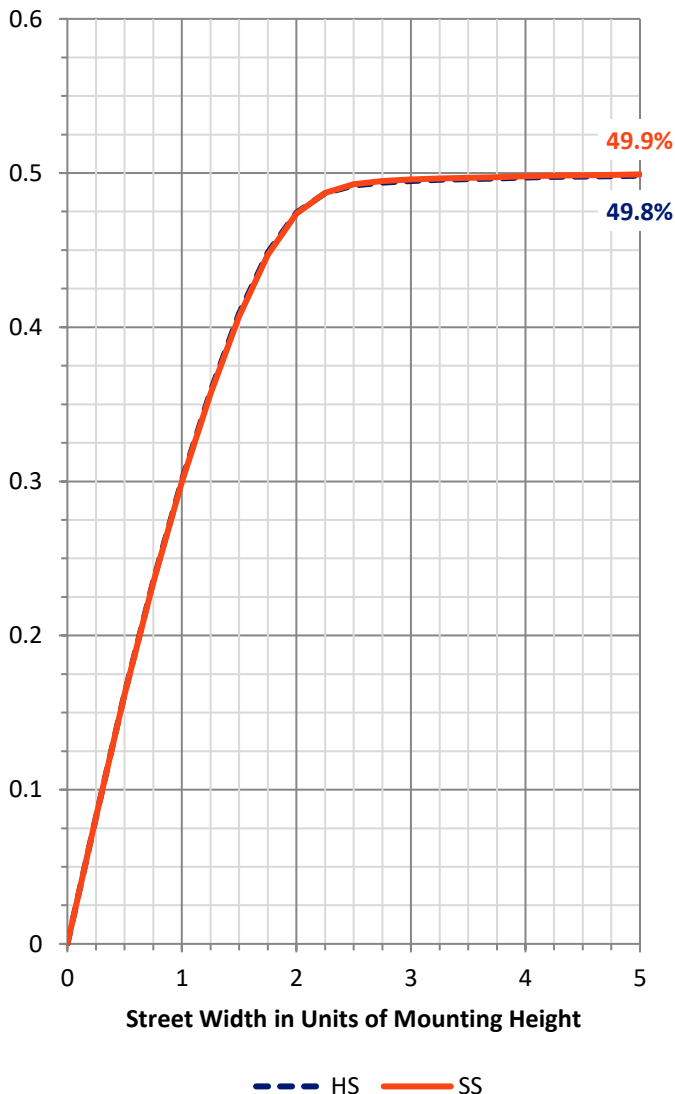
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29173.5	0.0	29173.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29173.5	0.0	29173.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	58347.0	0.0	58347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.3	1.2
10°-20°	2222.1	3.8
20°-30°	4169.1	7.1
30°-40°	6894.8	11.8
40°-50°	10679.1	18.3
50°-60°	16378.7	28.1
60°-70°	15283.2	26.2
70°-80°	1778.7	3.0
80°-90°	249.9	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°	58347.0	100.0
0°-180°	58347.0	100.0

Coefficient of Utilization

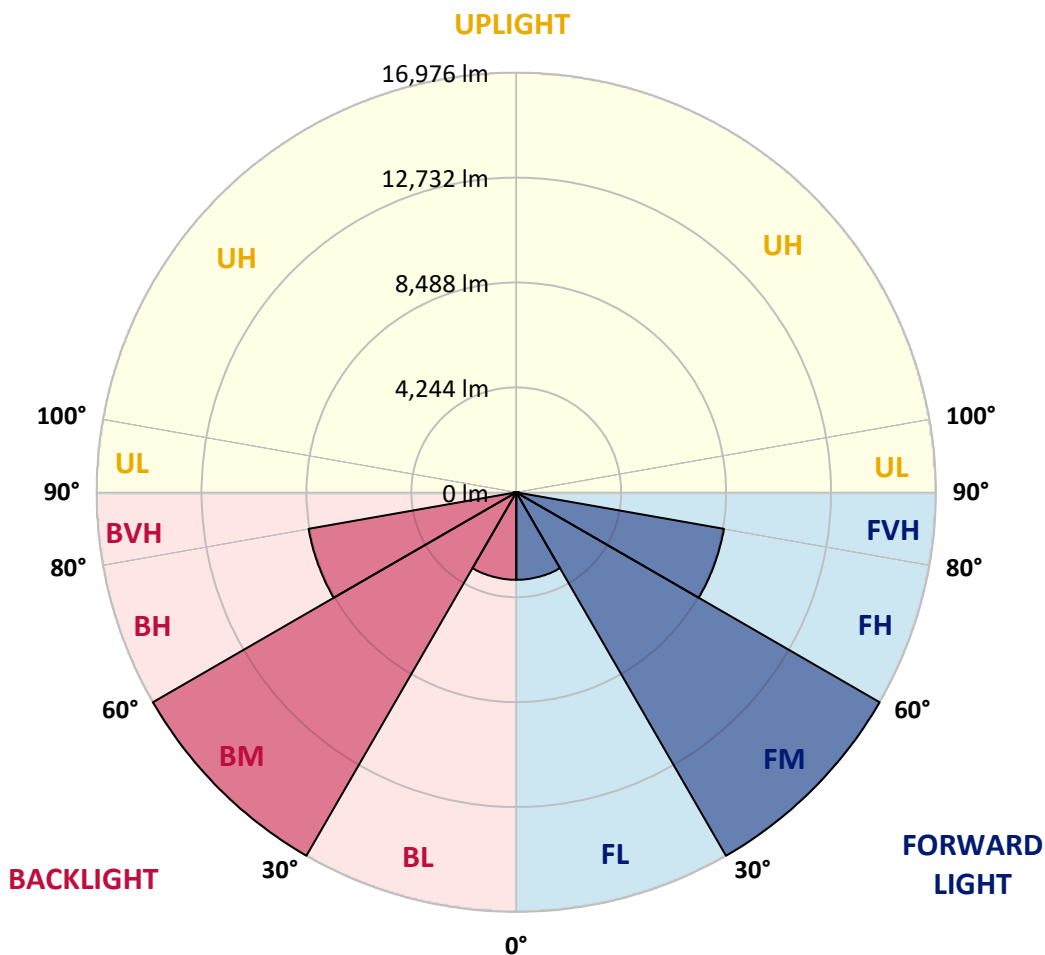


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3541.2	6.1			
FM (30°-60°)	16976.3	29.1			
FH (60°-80°)	8531.0	14.6			G4/12000
FVH (80°-90°)	125.0	0.2			G2/225
BL (0°-30°)	3541.2	6.1	B4/5000		
BM (30°-60°)	16976.3	29.1	B5		
BH (60°-80°)	8531.0	14.6	B5		G4/12000
BVH (80°-90°)	125.0	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°	7046.1	7046.1	7046.1	7046.1	7046.1	7046.1	7046.1	7046.1	7046.1	7046.1	7046.1
2.5°	7069.4	7065.5	7069.4	7071.3	7059.7	7065.5	7063.6	7073.3	7077.1	7073.3	7073.3
5°	7150.7	7144.9	7152.7	7162.3	7146.9	7150.7	7144.9	7156.5	7160.4	7152.7	7158.5
7.5°	7263.1	7265.0	7272.7	7290.2	7280.5	7288.2	7276.6	7278.6	7276.6	7265.0	7266.9
10°	7385.1	7387.0	7400.6	7423.8	7427.7	7427.7	7419.9	7414.1	7406.4	7398.6	7400.6
12.5°	7532.3	7542.0	7551.6	7580.7	7580.7	7596.2	7592.3	7576.8	7563.3	7551.6	7551.6
15°	7731.8	7729.8	7741.5	7770.5	7784.1	7809.2	7809.2	7787.9	7770.5	7758.9	7755.0
17.5°	7940.9	7946.8	7954.5	7989.4	8010.7	8039.7	8043.6	8026.2	8014.5	7999.1	7989.4
20°	8185.0	8194.7	8225.7	8239.2	8258.6	8285.7	8295.4	8291.5	8279.9	8272.1	8274.1
22.5°	8469.7	8494.9	8514.2	8533.6	8556.9	8576.2	8585.9	8599.5	8587.8	8582.0	8578.2
25°	8814.5	8831.9	8870.6	8905.5	8921.0	8926.8	8938.4	8957.8	8955.8	8942.3	8942.3
27.5°	9205.7	9238.6	9287.0	9337.4	9337.4	9318.0	9356.8	9389.7	9378.1	9360.6	9337.4
30°	9680.2	9711.2	9767.4	9837.1	9802.2	9788.7	9841.0	9901.0	9883.6	9854.5	9850.6
32.5°	10191.5	10220.6	10294.2	10369.7	10325.2	10305.8	10362.0	10449.1	10418.1	10360.0	10325.2
35°	10745.5	10774.5	10879.1	10970.1	10894.6	10861.7	10908.2	11003.1	10948.8	10840.4	10813.2
37.5°	11347.8	11363.3	11498.9	11591.8	11539.6	11452.4	11510.5	11580.2	11533.7	11402.0	11349.7
40°	11973.4	12029.6	12186.5	12294.9	12203.9	12066.4	12163.2	12260.0	12190.3	12021.8	11932.7
42.5°	12703.6	12746.2	12955.4	13052.2	12905.0	12711.3	12843.0	12974.7	12905.0	12742.3	12664.8
45°	13462.8	13528.7	13778.5	13875.4	13662.3	13416.3	13577.1	13807.6	13801.8	13567.4	13486.1
47.5°	14289.8	14355.7	14654.0	14781.8	14551.3	14222.0	14448.7	14774.0	14750.8	14493.2	14427.3
50°	15244.7	15314.4	15686.3	15847.0	15632.0	15248.6	15589.4	15876.1	15833.5	15515.8	15521.6
52.5°	16443.6	16439.7	16902.6	17181.5	16960.7	16621.8	16935.5	17214.4	17038.2	16598.5	16585.0
55°	17493.3	17557.2	18130.5	18659.3	18645.7	18516.0	18641.9	18653.5	18149.9	17565.0	17493.3
57.5°	18182.8	18304.9	19112.5	20069.3	20785.9	20958.3	20714.3	19974.4	18794.9	17859.4	17745.1
60°	17758.7	17944.6	19213.2	21163.6	23274.7	24287.7	22910.6	20615.5	18293.2	16989.8	16834.8
62.5°	14896.1	15209.8	17067.2	20634.8	25416.8	28378.2	24502.7	19587.0	16298.3	14502.9	14237.5
65°	9072.0	9403.2	11642.2	16983.9	25070.2	31616.6	23776.4	16257.6	11895.9	9662.8	9376.1
67.5°	3023.4	3120.2	4439.2	9387.8	19703.2	28407.3	19736.2	9732.5	5177.1	3432.0	3331.3
70°	1183.4	1193.1	1408.1	2721.2	9304.5	19511.5	10267.1	2769.6	1472.0	1164.0	1189.2
72.5°	869.6	873.5	933.5	1136.9	2424.9	8595.6	2512.1	1142.7	908.4	815.4	815.4
75°	699.2	699.2	741.8	829.0	1086.6	1971.7	1102.0	819.3	710.8	650.8	643.0
77.5°	552.0	563.6	596.5	652.7	736.0	949.0	763.1	648.8	573.3	517.1	505.5
80°	410.6	422.2	476.5	503.6	528.8	658.5	563.6	507.4	453.2	387.4	375.7
82.5°	269.2	280.8	348.6	364.1	358.3	430.0	379.6	373.8	333.1	249.8	238.2
85°	176.3	180.1	232.4	242.1	222.7	195.6	242.1	255.7	232.4	162.7	156.9
87.5°	83.3	83.3	118.1	110.4	100.7	81.3	110.4	129.8	131.7	79.4	77.5
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)