

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: P317132

Luminaire Tested: **GAN-SA8C-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317132
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57945 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

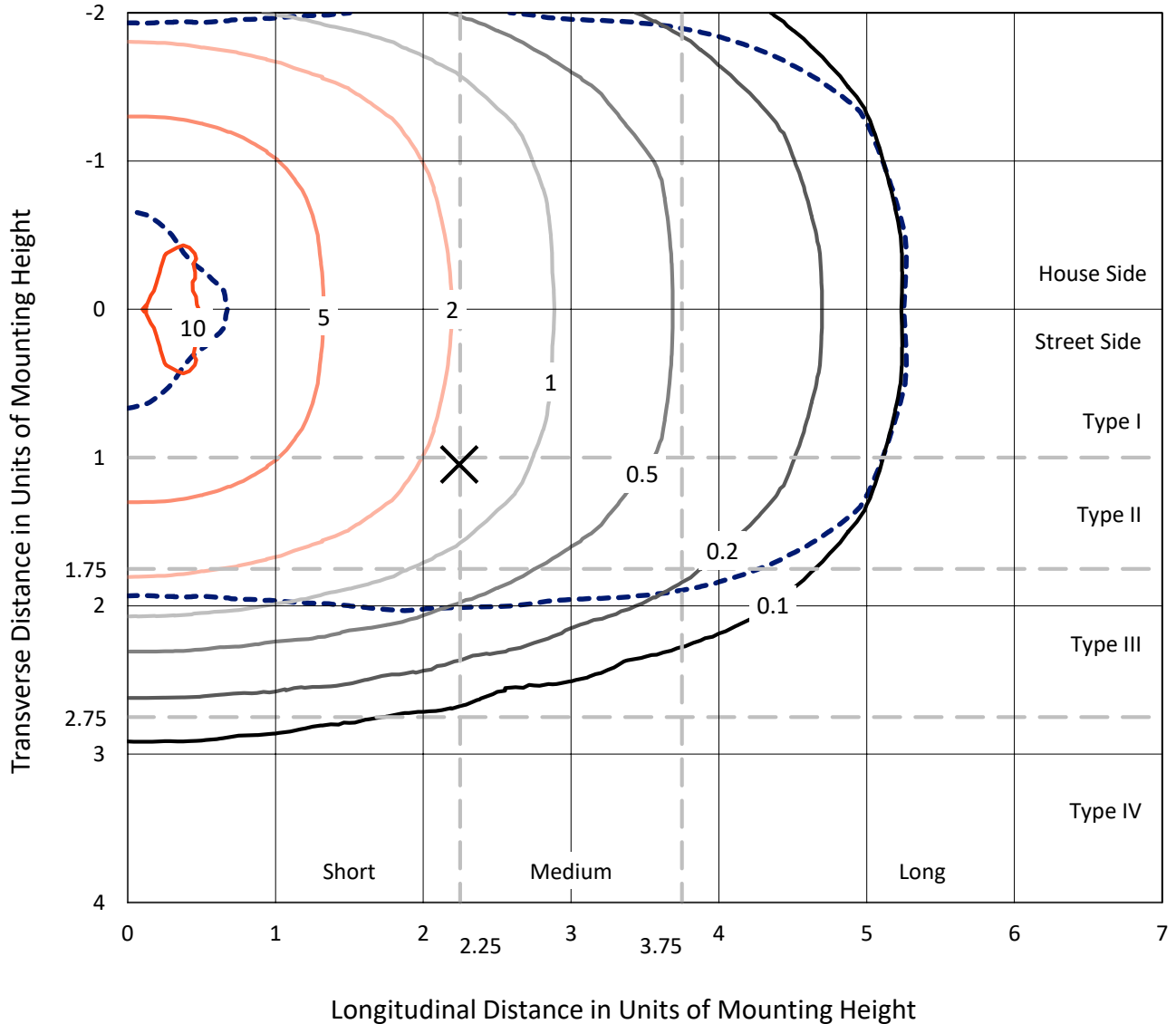
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

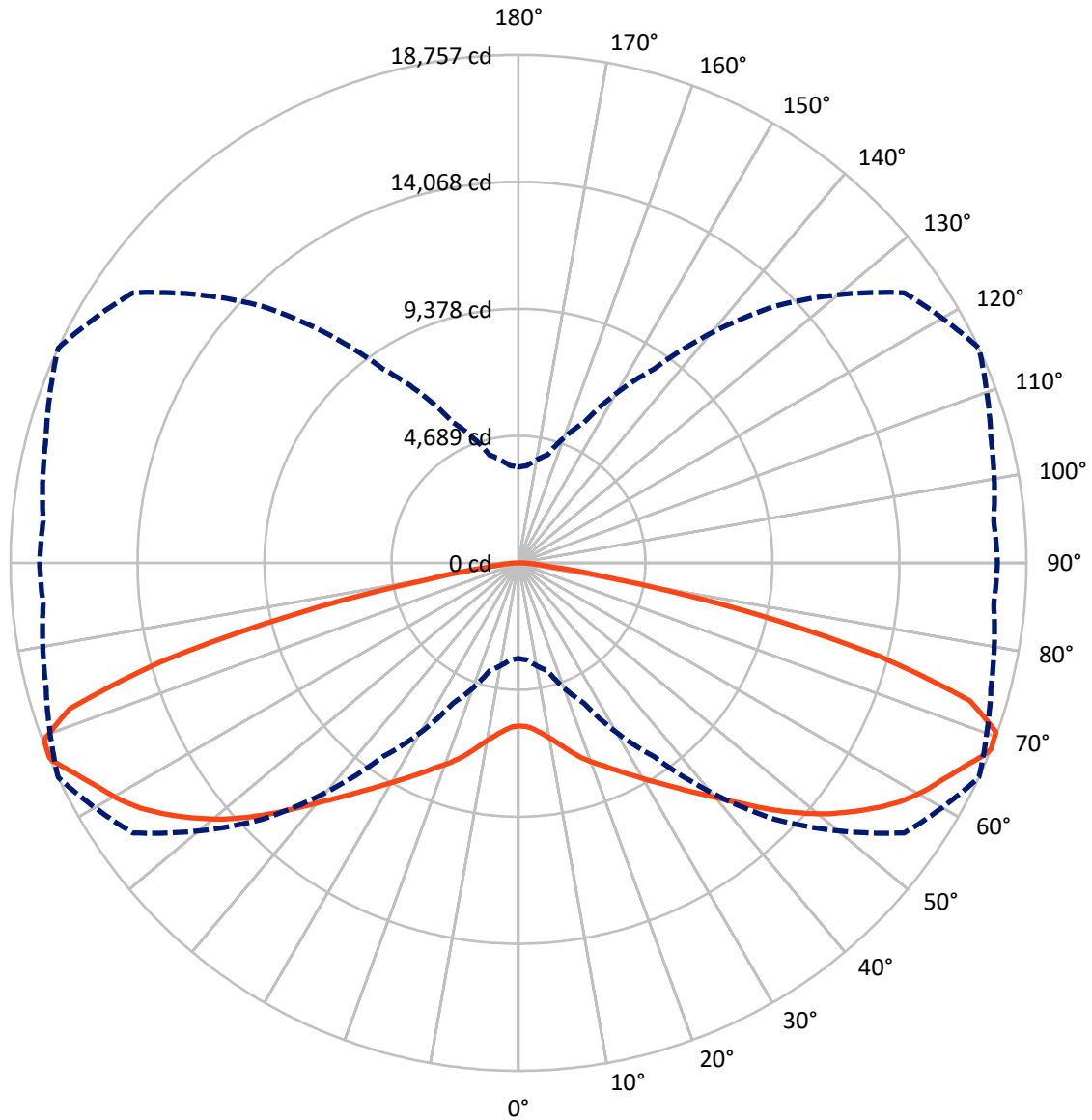
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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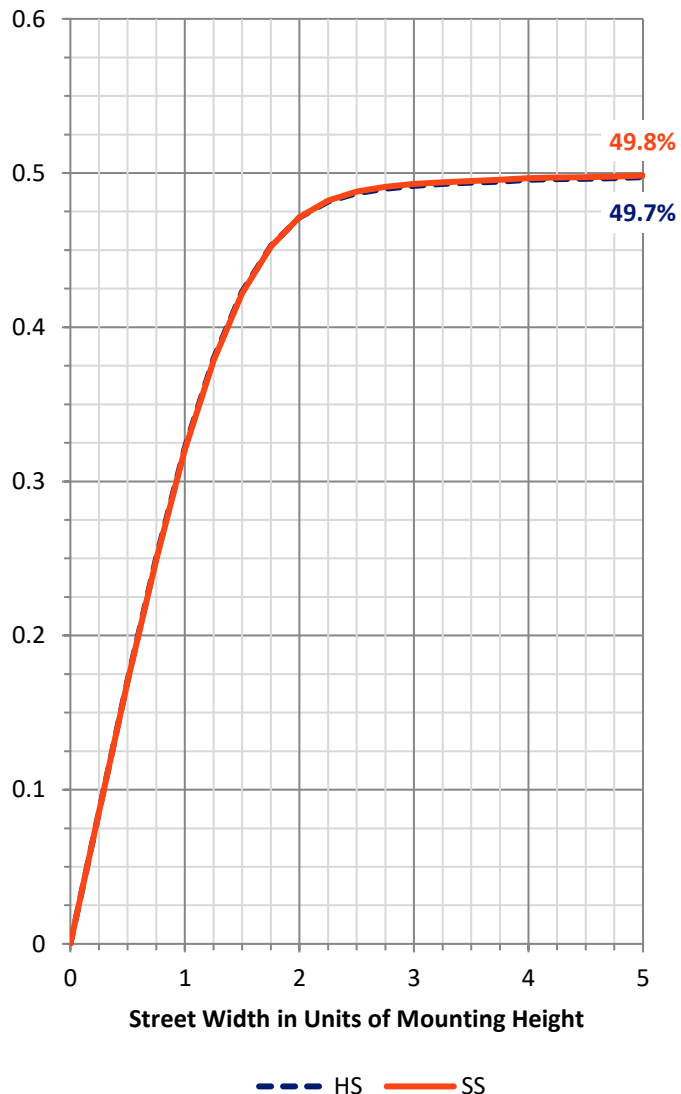
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28972.5	0.0	28972.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28972.5	0.0	28972.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57945.0	0.0	57945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.9	1.0
10°-20°	1975.2	3.4
20°-30°	3851.1	6.6
30°-40°	6469.5	11.2
40°-50°	10193.7	17.6
50°-60°	13632.3	23.5
60°-70°	13252.3	22.9
70°-80°	7244.4	12.5
80°-90°	736.8	1.3
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°	57945.0	100.0
0°-180°	57945.0	100.0

Coefficient of Utilization

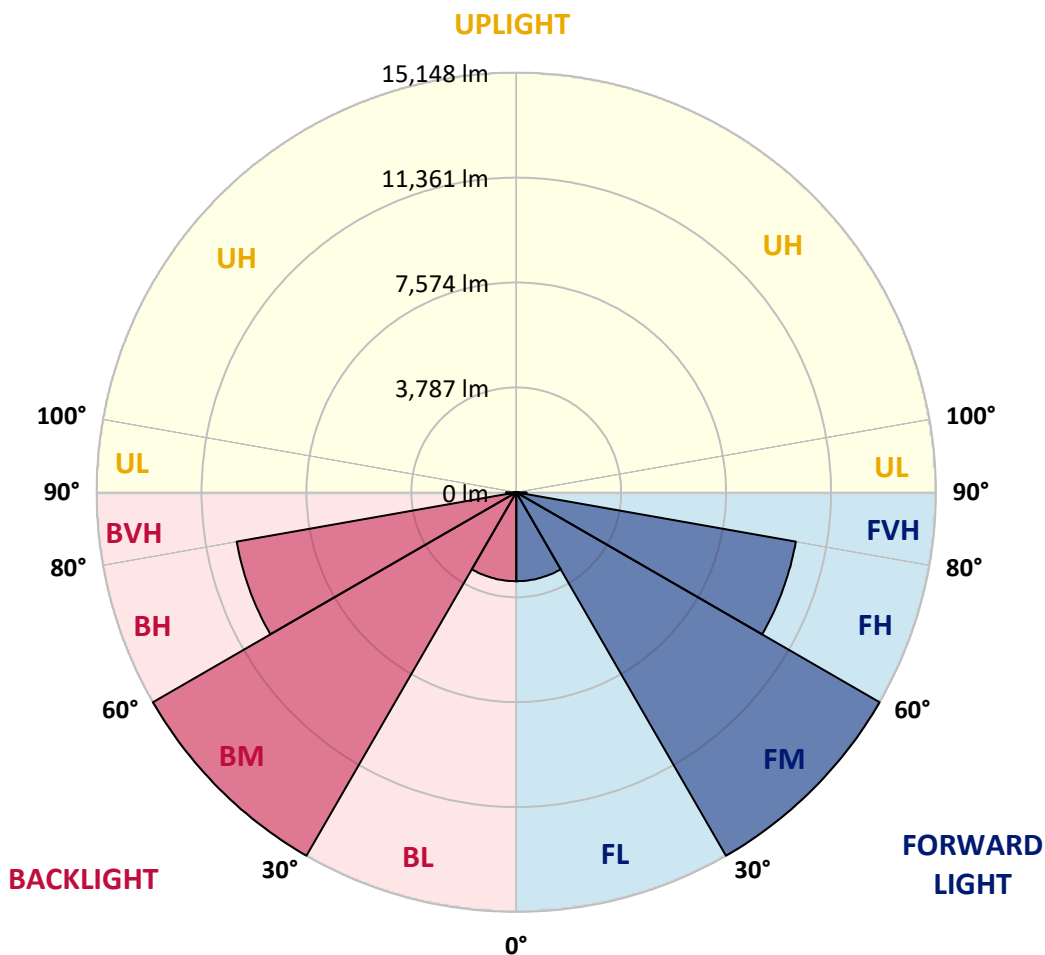


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3208.1	5.5			
FM (30°-60°)	15147.7	26.1			
FH (60°-80°)	10248.3	17.7			G4/12000
FVH (80°-90°)	368.4	0.6			G3/500
BL (0°-30°)	3208.1	5.5	B4/5000		
BM (30°-60°)	15147.7	26.1	B5		
BH (60°-80°)	10248.3	17.7	B5		G5
BVH (80°-90°)	368.4	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9	6024.9
2.5°	5982.2	5984.1	5993.8	6005.5	6015.2	6040.5	6046.3	6056.0	6059.9	6069.6	6069.6
5°	5929.7	5933.6	5956.9	5988.0	6023.0	6085.1	6129.8	6180.3	6205.6	6232.8	6230.9
7.5°	5923.9	5933.6	5966.6	6017.1	6075.4	6178.4	6271.7	6372.7	6440.7	6502.9	6499.0
10°	5984.1	5999.7	6046.3	6122.1	6209.5	6337.7	6475.7	6611.7	6730.2	6825.4	6829.3
12.5°	6075.4	6094.9	6168.7	6283.3	6415.4	6580.6	6743.8	6897.3	7060.5	7202.3	7214.0
15°	6195.9	6221.1	6331.9	6502.9	6704.9	6901.2	7076.0	7233.4	7421.9	7618.1	7637.5
17.5°	6374.6	6409.6	6555.3	6786.5	7052.7	7268.4	7451.0	7569.5	7726.9	7929.0	7965.9
20°	6646.6	6691.3	6875.9	7151.8	7476.3	7701.6	7841.5	7866.8	7944.5	8125.2	8167.9
22.5°	7000.2	7039.1	7245.1	7573.4	7936.7	8181.5	8255.4	8154.3	8146.6	8292.3	8333.1
25°	7394.7	7429.6	7668.6	8037.8	8428.3	8698.3	8696.4	8500.2	8364.2	8476.8	8519.6
27.5°	7837.6	7892.0	8121.3	8509.9	8927.6	9193.8	9178.2	8875.1	8616.7	8645.9	8682.8
30°	8346.7	8406.9	8630.3	9024.7	9442.5	9702.8	9683.4	9283.2	8894.6	8816.9	8844.1
32.5°	8978.1	9050.0	9261.8	9650.4	10019.5	10254.6	10198.3	9726.1	9228.7	9059.7	9085.0
35°	9737.8	9780.5	10004.0	10386.7	10685.9	10847.2	10728.7	10239.1	9652.3	9448.3	9448.3
37.5°	10507.2	10540.2	10790.8	11161.9	11451.4	11536.9	11305.7	10800.6	10206.0	9916.5	9922.4
40°	11245.5	11334.8	11616.6	11997.4	12283.0	12306.3	11999.3	11441.7	10821.9	10522.7	10557.7
42.5°	12016.8	12104.2	12440.4	12871.7	13124.3	13163.1	12803.7	12160.6	11517.5	11274.6	11313.5
45°	12704.6	12774.5	13163.1	13664.4	13979.1	14080.2	13654.7	12984.4	12269.4	12032.3	12042.1
47.5°	13184.5	13275.8	13703.2	14293.9	14752.4	14907.8	14490.1	13786.8	13009.6	12722.1	12747.3
50°	13619.7	13668.3	14101.5	14746.6	15329.4	15650.0	15292.5	14579.5	13757.6	13452.6	13479.8
52.5°	13862.6	13924.7	14344.4	15016.6	15706.4	16223.2	16005.6	15292.5	14480.4	14183.1	14216.2
55°	13693.5	13740.2	14243.4	15076.9	15939.5	16576.8	16609.8	15990.0	15189.6	14929.2	15022.5
57.5°	12924.1	12982.4	13596.4	14688.3	15968.7	16815.8	17064.4	16637.0	15852.1	15640.3	15694.7
60°	11721.5	11758.4	12413.2	13641.1	15401.3	16914.8	17353.9	17165.5	16501.0	16289.2	16363.1
62.5°	9578.5	9632.9	10415.9	12061.5	14202.6	16621.5	17633.7	17602.6	17105.2	16911.0	16977.0
65°	6547.6	6642.8	7509.3	9590.1	12354.9	15723.8	17888.2	18111.7	17639.5	17394.7	17482.2
67.5°	3953.8	4023.7	4651.3	6331.9	9454.1	13913.1	17625.9	18690.6	18016.5	17622.1	17693.9
68°	3534.1	3598.2	4122.8	5714.1	8745.0	13402.1	17387.0	18756.7	18057.3	17618.2	17682.3
70°	2135.2	2178.0	2529.6	3532.2	5830.6	10631.5	15756.9	18702.3	18317.6	17672.6	17709.5
72.5°	1391.1	1404.7	1463.0	1812.7	2978.5	5945.3	11826.4	17427.8	18708.1	17989.3	17983.4
75°	1156.0	1148.3	1154.1	1194.9	1468.8	2607.4	6910.9	13767.4	17833.8	17489.9	17367.5
77.5°	977.3	971.4	969.5	971.4	983.1	1259.0	2999.8	8575.9	13646.9	15471.3	15580.1
80°	790.8	783.0	808.2	796.6	761.6	783.0	1257.1	3567.2	6432.9	6920.6	6485.4
82.5°	575.1	546.0	654.8	623.7	594.5	551.8	693.6	1152.1	1534.9	1053.0	740.2
85°	443.0	411.9	497.4	478.0	408.0	281.7	411.9	563.4	621.7	355.5	279.8
87.5°	180.7	190.4	359.4	283.7	239.0	136.0	169.0	225.4	303.1	151.5	116.6
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)