

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: P316501

Luminaire Tested: **GAN-SA7D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7D-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57653 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

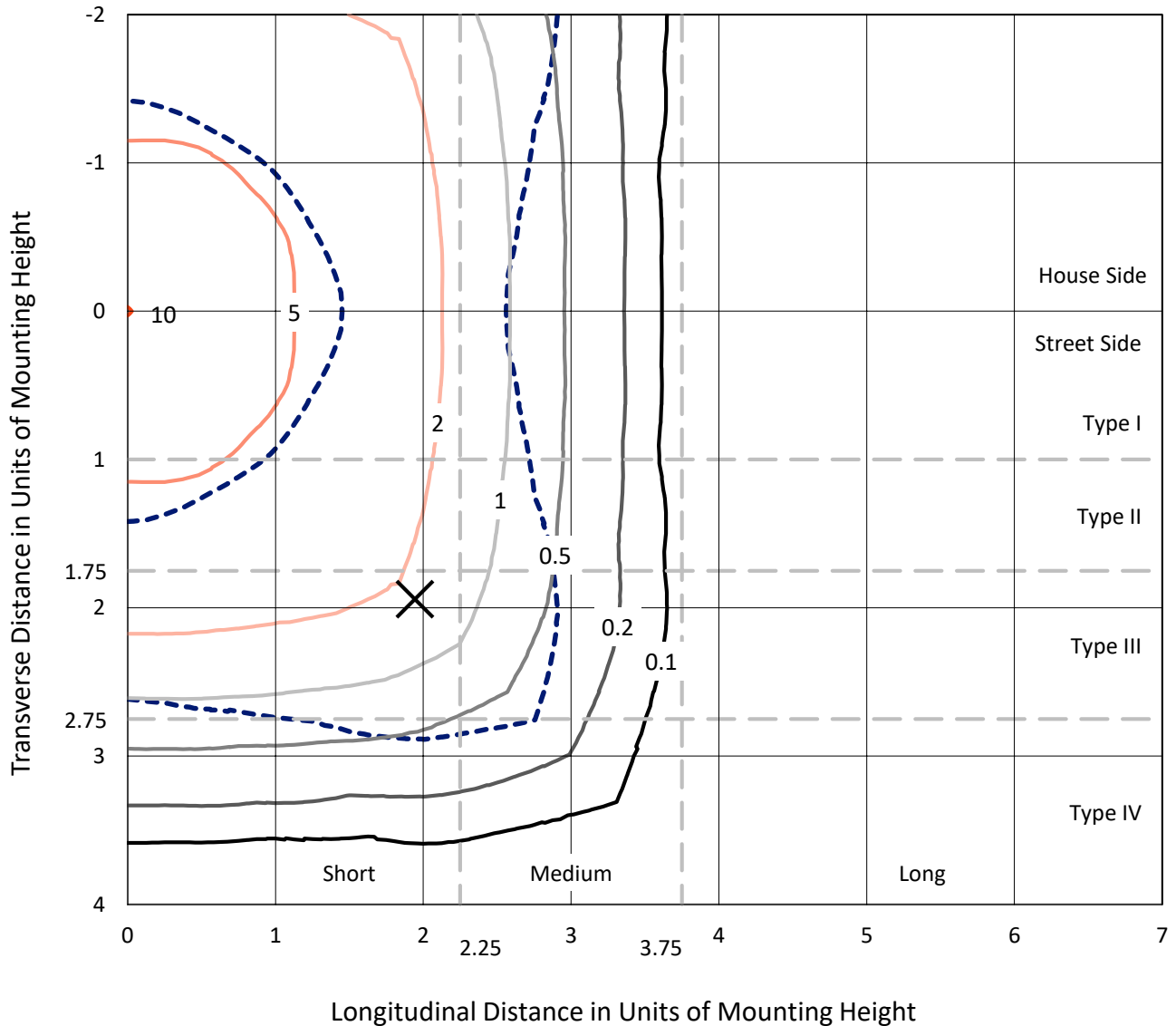
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

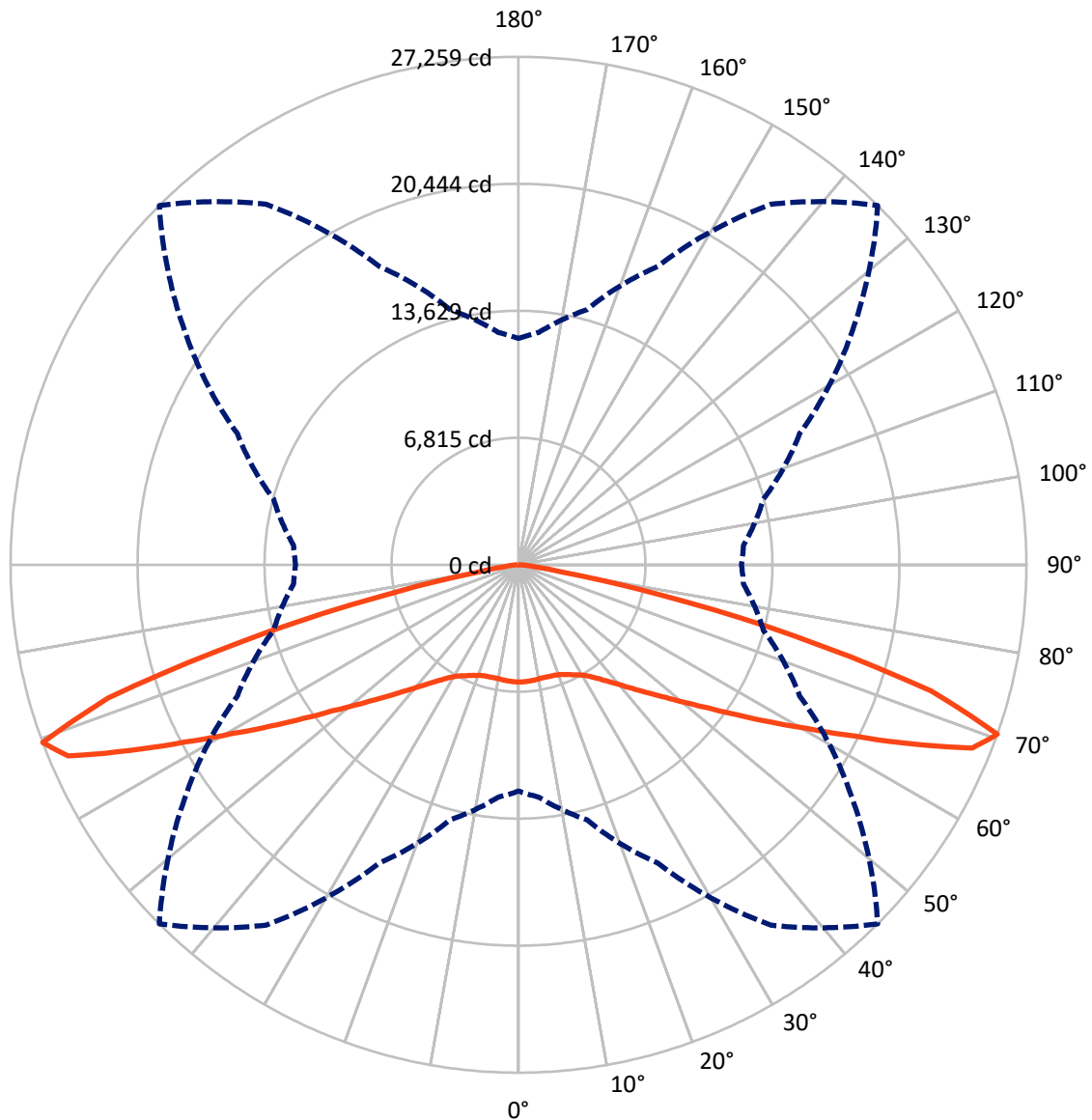
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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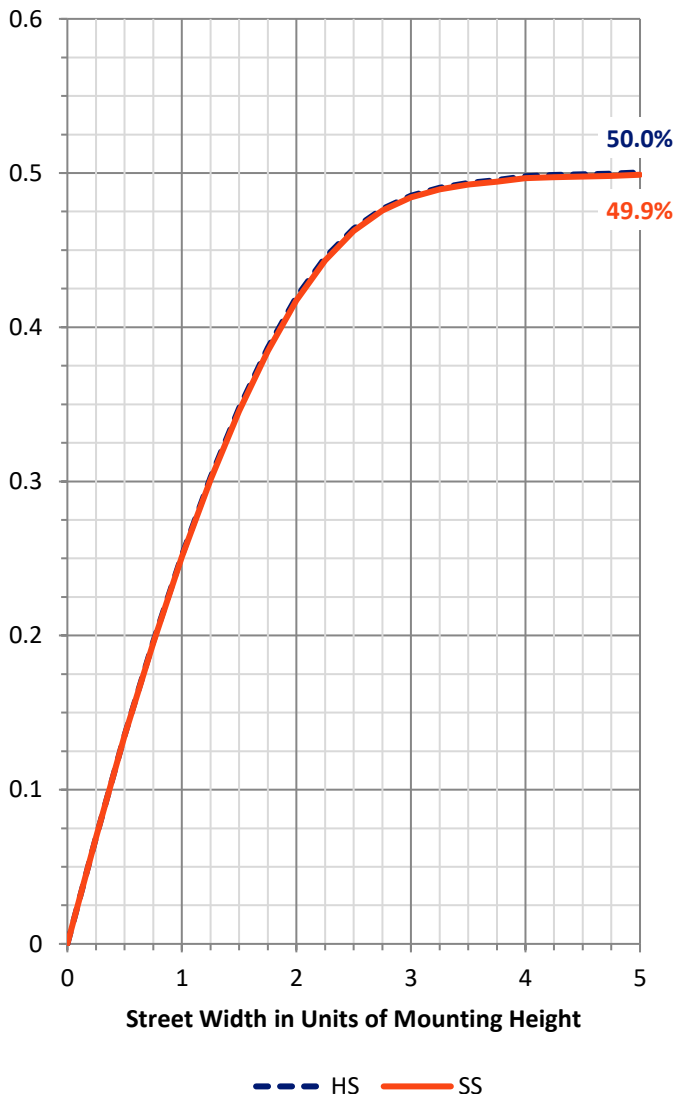
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28826.5	0.0	28826.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28826.5	0.0	28826.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57653.0	0.0	57653.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.4	1.0
10°-20°	1750.7	3.0
20°-30°	2980.3	5.2
30°-40°	4726.8	8.2
40°-50°	7691.9	13.3
50°-60°	12682.6	22.0
60°-70°	18618.4	32.3
70°-80°	8233.0	14.3
80°-90°	372.8	0.6
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°	57653.0	100.0
0°-180°	57653.0	100.0

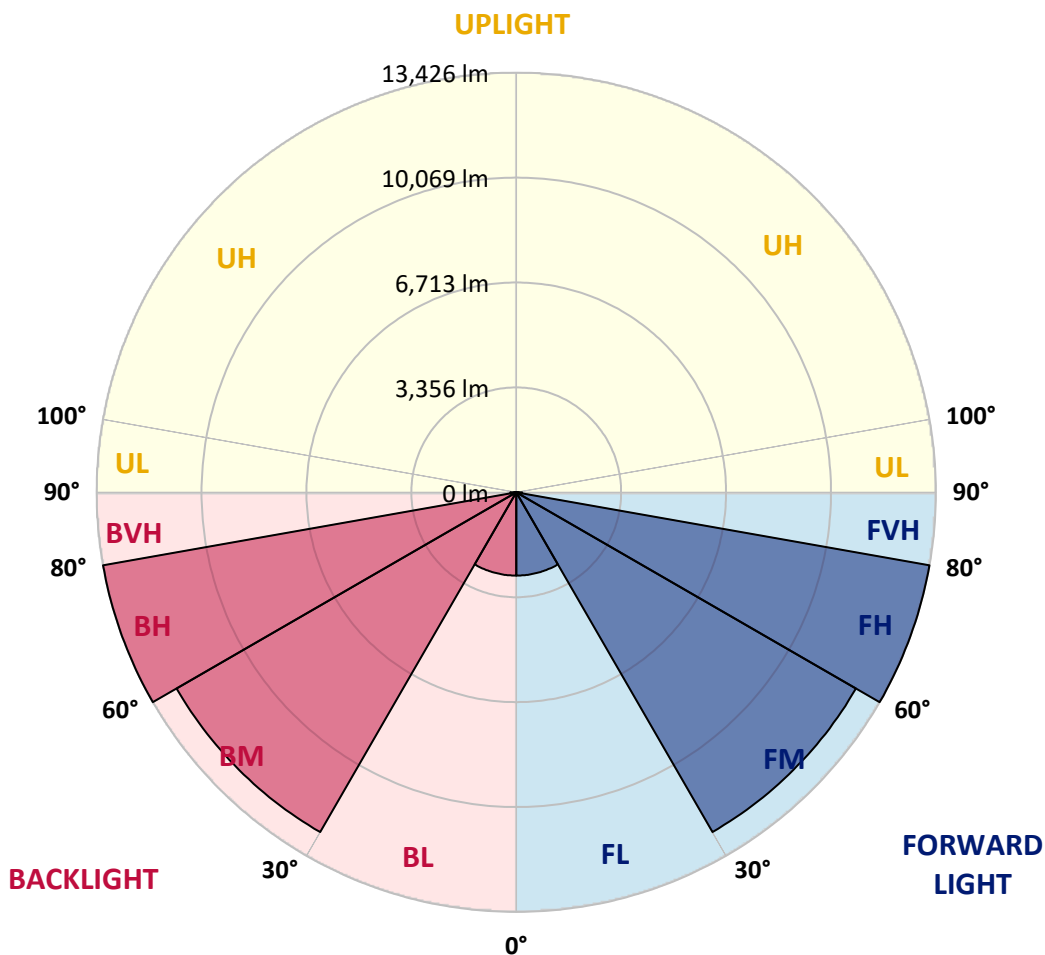


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2663.7	4.6			
FM (30°-60°)	12550.7	21.8			
FH (60°-80°)	13425.7	23.3			G5
FVH (80°-90°)	186.4	0.3			G2/225
BL (0°-30°)	2663.7	4.6	B4/5000		
BM (30°-60°)	12550.7	21.8	B5		
BH (60°-80°)	13425.7	23.3	B5		G5
BVH (80°-90°)	186.4	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6296.6	6296.6	6296.6	6296.6	6296.6	6296.6	6296.6	6296.6	6296.6	6296.6	6296.6
2.5°	6287.1	6281.3	6294.7	6292.8	6281.3	6283.2	6283.2	6289.0	6289.0	6285.2	6285.2
5°	6264.2	6260.4	6275.6	6275.6	6264.2	6268.0	6271.8	6277.5	6275.6	6271.8	6269.9
7.5°	6235.5	6233.6	6248.9	6248.9	6241.3	6245.1	6241.3	6243.2	6239.4	6235.5	6229.8
10°	6187.8	6191.7	6205.0	6208.8	6208.8	6210.7	6206.9	6197.4	6191.7	6185.9	6180.2
12.5°	6144.0	6142.1	6161.1	6170.7	6185.9	6203.1	6191.7	6164.9	6153.5	6142.1	6138.2
15°	6115.3	6117.2	6136.3	6153.5	6180.2	6216.5	6203.1	6161.1	6138.2	6124.9	6121.1
17.5°	6109.6	6113.4	6138.2	6168.8	6197.4	6237.5	6229.8	6187.8	6149.7	6124.9	6119.2
20°	6123.0	6124.9	6163.0	6206.9	6256.5	6294.7	6277.5	6231.7	6180.2	6142.1	6132.5
22.5°	6147.8	6155.4	6203.1	6271.8	6348.1	6399.6	6378.7	6300.4	6220.3	6172.6	6159.2
25°	6226.0	6227.9	6292.8	6386.3	6477.9	6537.0	6512.2	6401.5	6298.5	6245.1	6227.9
27.5°	6388.2	6393.9	6458.8	6567.5	6645.8	6683.9	6668.7	6579.0	6491.2	6434.0	6439.7
30°	6622.9	6630.5	6703.0	6823.2	6870.9	6880.5	6876.7	6834.7	6754.5	6678.2	6683.9
32.5°	6909.1	6912.9	7010.2	7119.0	7157.1	7164.8	7157.1	7119.0	7023.6	6920.5	6926.3
35°	7277.3	7288.8	7382.3	7487.2	7517.8	7533.0	7519.7	7470.1	7370.8	7269.7	7265.9
37.5°	7731.5	7733.4	7830.7	7939.4	7977.6	7981.4	7966.2	7933.7	7809.7	7718.1	7712.4
40°	8258.1	8265.7	8380.2	8496.6	8511.9	8494.7	8515.7	8496.6	8368.8	8263.8	8281.0
42.5°	8899.2	8916.4	9053.8	9168.2	9124.4	9114.8	9128.2	9133.9	9030.9	8903.0	8891.6
45°	9645.3	9660.5	9832.2	9923.8	9895.2	9832.2	9859.0	9904.8	9761.6	9603.3	9618.5
47.5°	10496.2	10534.4	10717.6	10803.4	10732.8	10647.0	10698.5	10767.2	10599.3	10402.8	10393.2
50°	11442.6	11490.3	11734.6	11854.8	11784.2	11625.8	11711.7	11757.5	11515.2	11261.4	11240.4
52.5°	12452.0	12499.7	12806.9	13055.0	13009.2	12763.0	12883.2	12835.5	12557.0	12215.4	12188.7
55°	13594.9	13614.0	13946.0	14346.7	14392.5	14211.2	14203.6	14125.4	13713.2	13318.3	13299.2
57.5°	14770.3	14783.7	15213.0	15686.2	15901.8	15901.8	15688.1	15522.1	14974.5	14516.5	14468.8
60°	16039.2	16086.9	16562.0	17205.0	17708.7	17857.6	17479.8	17027.5	16432.2	15873.2	15817.8
62.5°	17168.7	17224.1	17951.0	18908.9	19717.9	20259.8	19336.3	18599.8	17516.0	16619.2	16514.3
65°	17311.8	17460.7	18519.7	20254.1	22064.8	23146.7	21376.0	19561.5	17586.6	16340.6	16233.8
67.5°	15810.2	16062.1	17493.1	20193.0	23934.7	26256.8	22679.2	19011.9	16319.7	14942.0	14823.7
70°	12148.6	12515.0	14165.5	17662.9	23612.3	27258.6	21862.6	16644.0	13606.4	12123.8	11957.8
72.5°	6664.9	6815.6	8300.1	12095.2	18929.9	23163.9	18235.3	12307.0	9023.2	7342.2	7063.6
75°	2114.1	2167.6	2923.2	4949.5	10708.0	15342.7	11583.8	6040.9	3325.8	2451.9	2423.2
77.5°	938.8	944.5	1057.1	1444.4	3688.3	7773.4	4430.5	1644.7	1133.4	990.3	1022.7
80°	593.4	593.4	654.5	715.5	1003.6	2257.2	1198.3	782.3	667.8	620.1	633.5
82.5°	284.3	314.8	425.5	457.9	551.4	759.4	614.4	511.4	446.5	332.0	309.1
85°	187.0	156.5	269.0	303.4	320.6	364.4	356.8	337.7	291.9	166.0	185.1
87.5°	84.0	80.1	139.3	127.8	120.2	91.6	137.4	169.8	164.1	82.0	82.0
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)