

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: P316541

Luminaire Tested: **GAN-SA7D-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316541
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-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 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: 57652 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

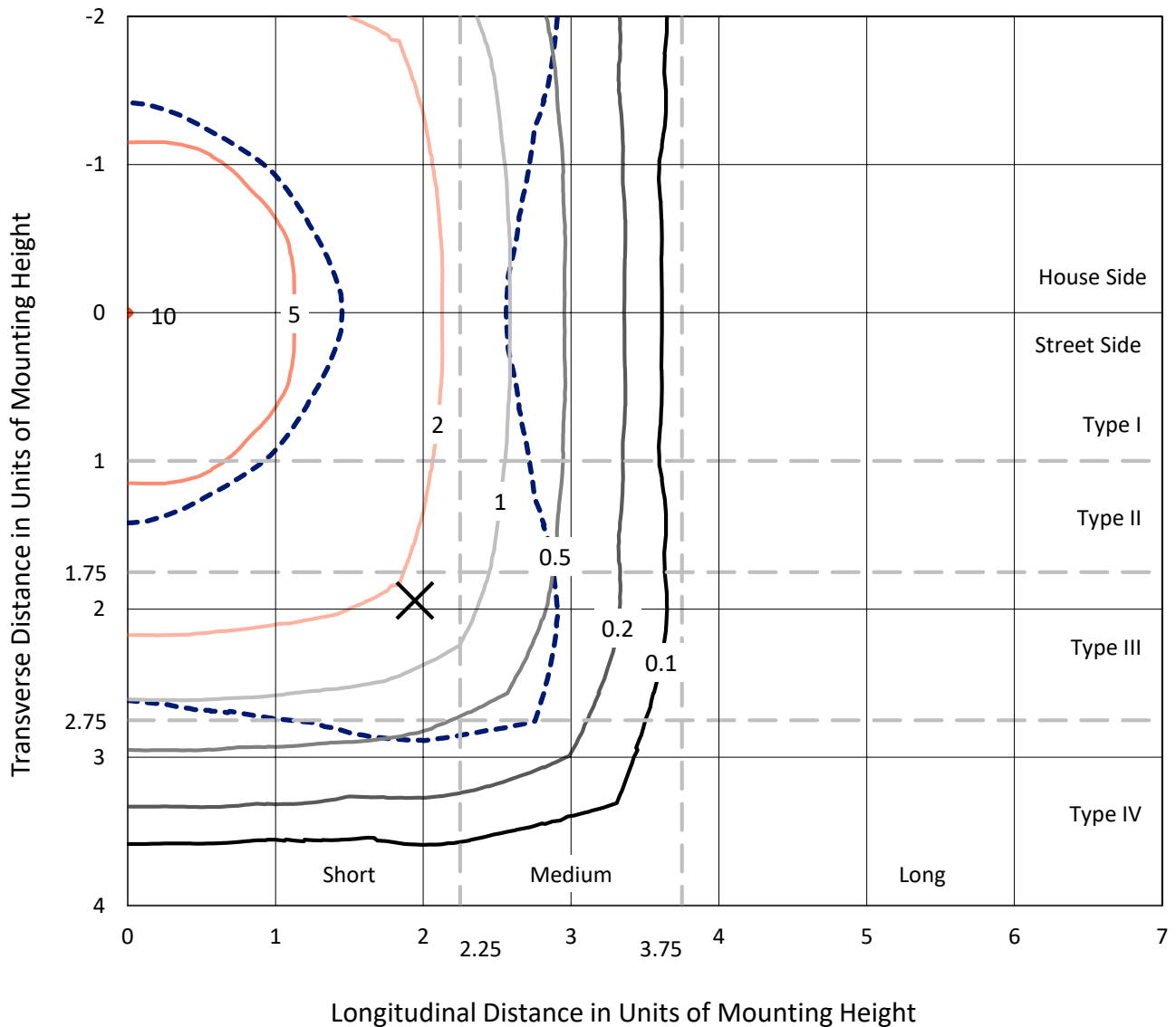
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

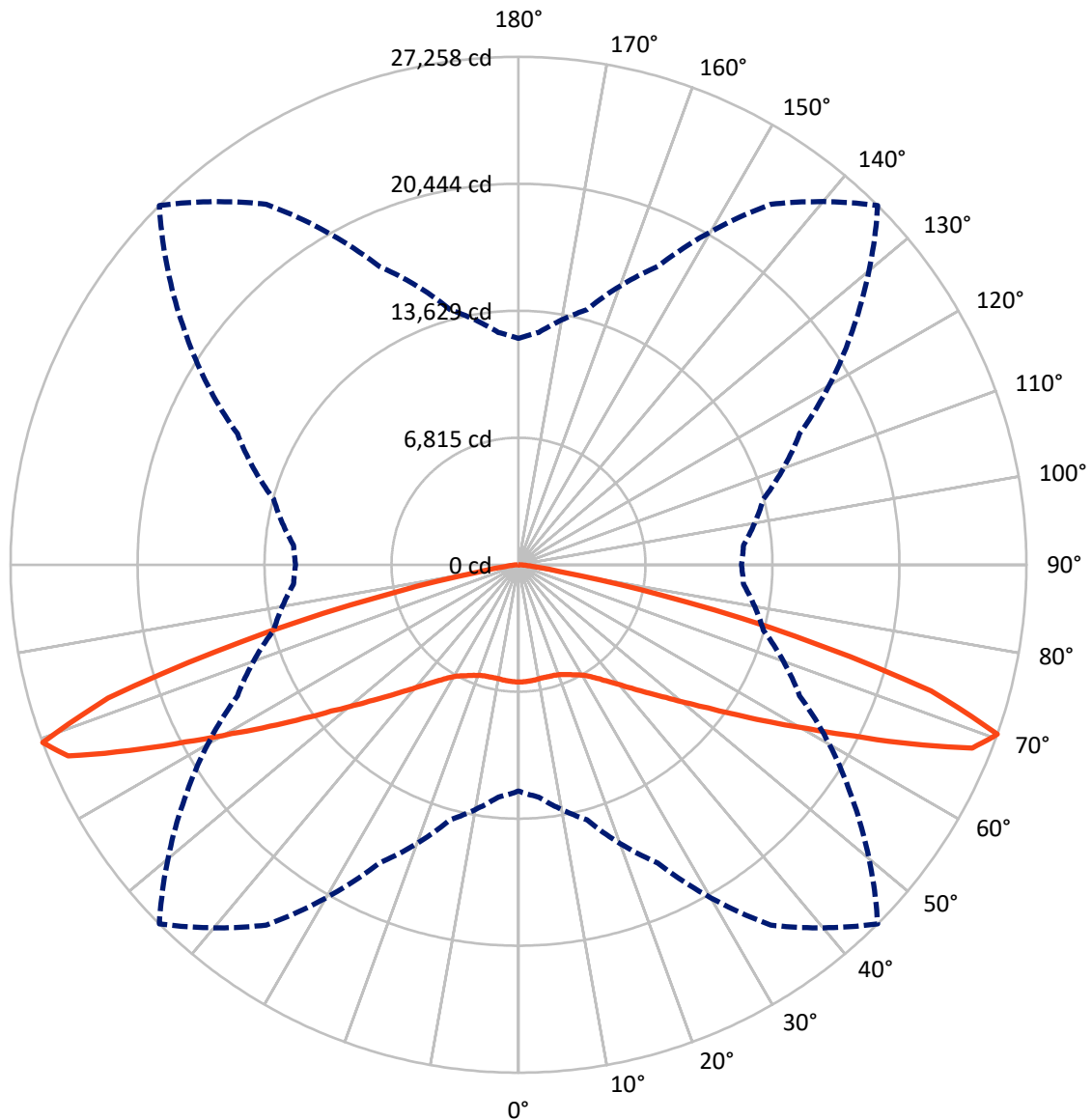
✕ Max cd
 - - - 1/2 Max cd



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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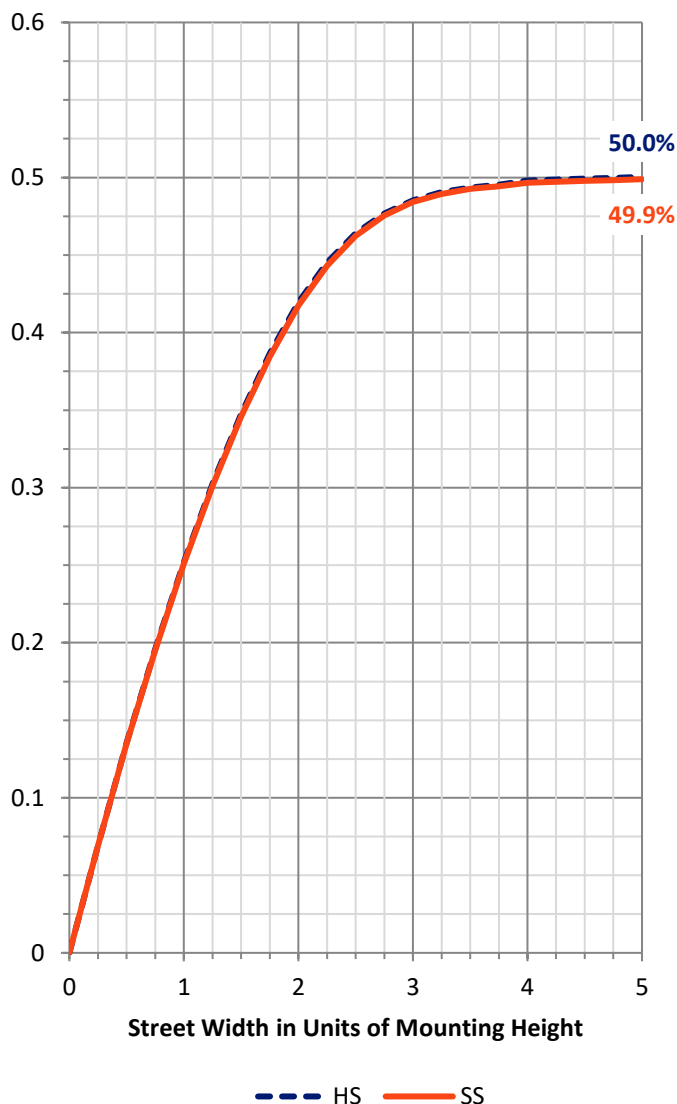
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28826.0	0.0	28826.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28826.0	0.0	28826.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	57652.0	0.0	57652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.3	1.0
10°-20°	1750.7	3.0
20°-30°	2980.3	5.2
30°-40°	4726.7	8.2
40°-50°	7691.8	13.3
50°-60°	12682.4	22.0
60°-70°	18618.1	32.3
70°-80°	8232.9	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°	57652.0	100.0
0°-180°	57652.0	100.0

Coefficient of Utilization



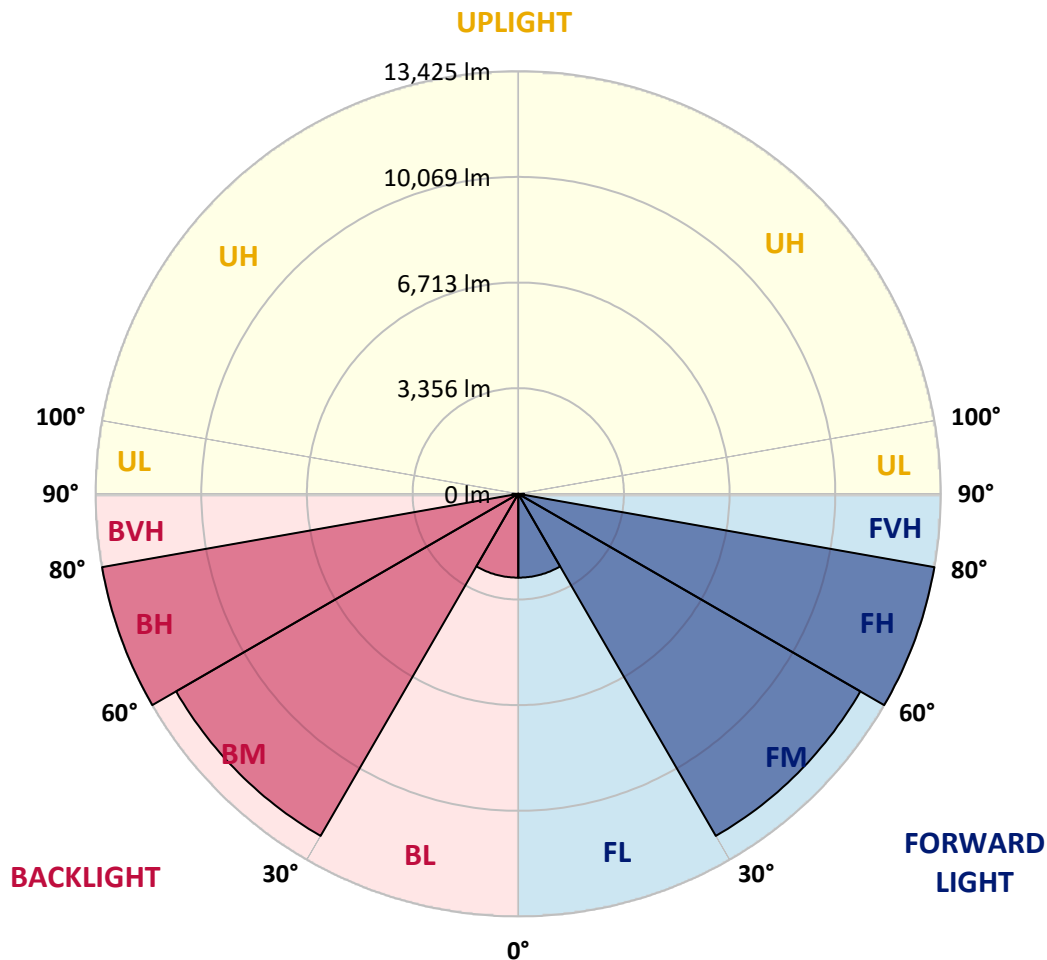
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2663.7	4.6			
FM (30°-60°)	12550.4	21.8			
FH (60°-80°)	13425.5	23.3			G5
FVH (80°-90°)	186.4	0.3			G2/225
BL (0°-30°)	2663.7	4.6	B4/5000		
BM (30°-60°)	12550.4	21.8	B5		
BH (60°-80°)	13425.5	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°	6296.5	6296.5	6296.5	6296.5	6296.5	6296.5	6296.5	6296.5	6296.5	6296.5	6296.5
2.5°	6287.0	6281.2	6294.6	6292.7	6281.2	6283.1	6283.1	6288.9	6288.9	6285.0	6285.0
5°	6264.1	6260.2	6275.5	6275.5	6264.1	6267.9	6271.7	6277.4	6275.5	6271.7	6269.8
7.5°	6235.4	6233.5	6248.8	6248.8	6241.2	6245.0	6241.2	6243.1	6239.3	6235.4	6229.7
10°	6187.7	6191.6	6204.9	6208.7	6208.7	6210.6	6206.8	6197.3	6191.6	6185.8	6180.1
12.5°	6143.9	6141.9	6161.0	6170.6	6185.8	6203.0	6191.6	6164.8	6153.4	6141.9	6138.1
15°	6115.2	6117.1	6136.2	6153.4	6180.1	6216.4	6203.0	6161.0	6138.1	6124.8	6121.0
17.5°	6109.5	6113.3	6138.1	6168.7	6197.3	6237.3	6229.7	6187.7	6149.6	6124.8	6119.0
20°	6122.9	6124.8	6162.9	6206.8	6256.4	6294.6	6277.4	6231.6	6180.1	6141.9	6132.4
22.5°	6147.7	6155.3	6203.0	6271.7	6348.0	6399.5	6378.5	6300.3	6220.2	6172.5	6159.1
25°	6225.9	6227.8	6292.7	6386.2	6477.8	6536.9	6512.1	6401.4	6298.4	6245.0	6227.8
27.5°	6388.1	6393.8	6458.7	6567.4	6645.7	6683.8	6668.6	6578.9	6491.1	6433.9	6439.6
30°	6622.8	6630.4	6702.9	6823.1	6870.8	6880.4	6876.5	6834.6	6754.4	6678.1	6683.8
32.5°	6909.0	6912.8	7010.1	7118.9	7157.0	7164.6	7157.0	7118.9	7023.5	6920.4	6926.1
35°	7277.2	7288.7	7382.2	7487.1	7517.6	7532.9	7519.5	7469.9	7370.7	7269.6	7265.8
37.5°	7731.3	7733.2	7830.6	7939.3	7977.5	7981.3	7966.0	7933.6	7809.6	7718.0	7712.3
40°	8257.9	8265.6	8380.1	8496.5	8511.7	8494.5	8515.5	8496.5	8368.6	8263.7	8280.8
42.5°	8899.0	8916.2	9053.6	9168.1	9124.2	9114.7	9128.0	9133.7	9030.7	8902.9	8891.4
45°	9645.1	9660.4	9832.1	9923.7	9895.0	9832.1	9858.8	9904.6	9761.5	9603.1	9618.4
47.5°	10496.1	10534.2	10717.4	10803.3	10732.7	10646.8	10698.3	10767.0	10599.1	10402.6	10393.0
50°	11442.4	11490.2	11734.4	11854.6	11784.0	11625.6	11711.5	11757.3	11515.0	11261.2	11240.2
52.5°	12451.8	12499.5	12806.7	13054.7	13008.9	12762.8	12883.0	12835.3	12556.7	12215.2	12188.5
55°	13594.7	13613.8	13945.8	14346.5	14392.3	14211.0	14203.4	14125.1	13713.0	13318.0	13299.0
57.5°	14770.1	14783.4	15212.7	15685.9	15901.5	15901.5	15687.8	15521.8	14974.2	14516.3	14468.6
60°	16038.9	16086.6	16561.7	17204.7	17708.4	17857.2	17479.5	17027.3	16431.9	15872.9	15817.6
62.5°	17168.4	17223.8	17950.7	18908.6	19717.6	20259.5	19336.0	18599.5	17515.7	16618.9	16514.0
65°	17311.5	17460.4	18519.3	20253.7	22064.4	23146.3	21375.6	19561.1	17586.3	16340.4	16233.5
67.5°	15809.9	16061.8	17492.8	20192.7	23934.3	26256.4	22678.8	19011.6	16319.4	14941.8	14823.5
70°	12148.4	12514.8	14165.2	17662.6	23611.9	27258.1	21862.2	16643.7	13606.2	12123.6	11957.6
72.5°	6664.7	6815.5	8299.9	12095.0	18929.6	23163.5	18235.0	12306.8	9023.1	7342.1	7063.5
75°	2114.1	2167.5	2923.1	4949.4	10707.9	15342.5	11583.6	6040.8	3325.7	2451.8	2423.2
77.5°	938.8	944.5	1057.0	1444.4	3688.2	7773.3	4430.4	1644.7	1133.4	990.3	1022.7
80°	593.4	593.4	654.5	715.5	1003.6	2257.2	1198.2	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	320.5	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)