

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: P316462

Luminaire Tested: **GAN-SA8D-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316462
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-SA8D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 59491 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

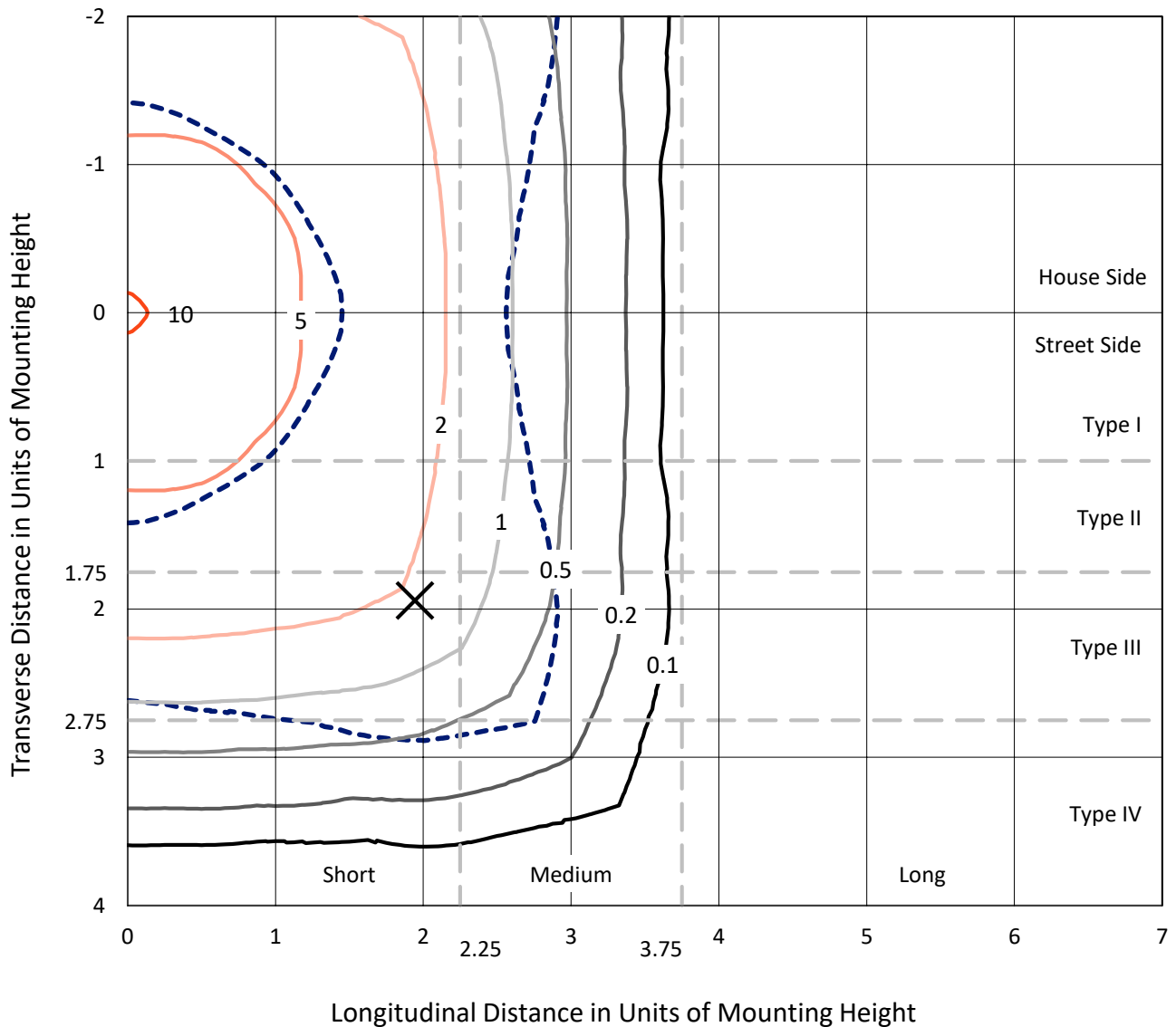
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

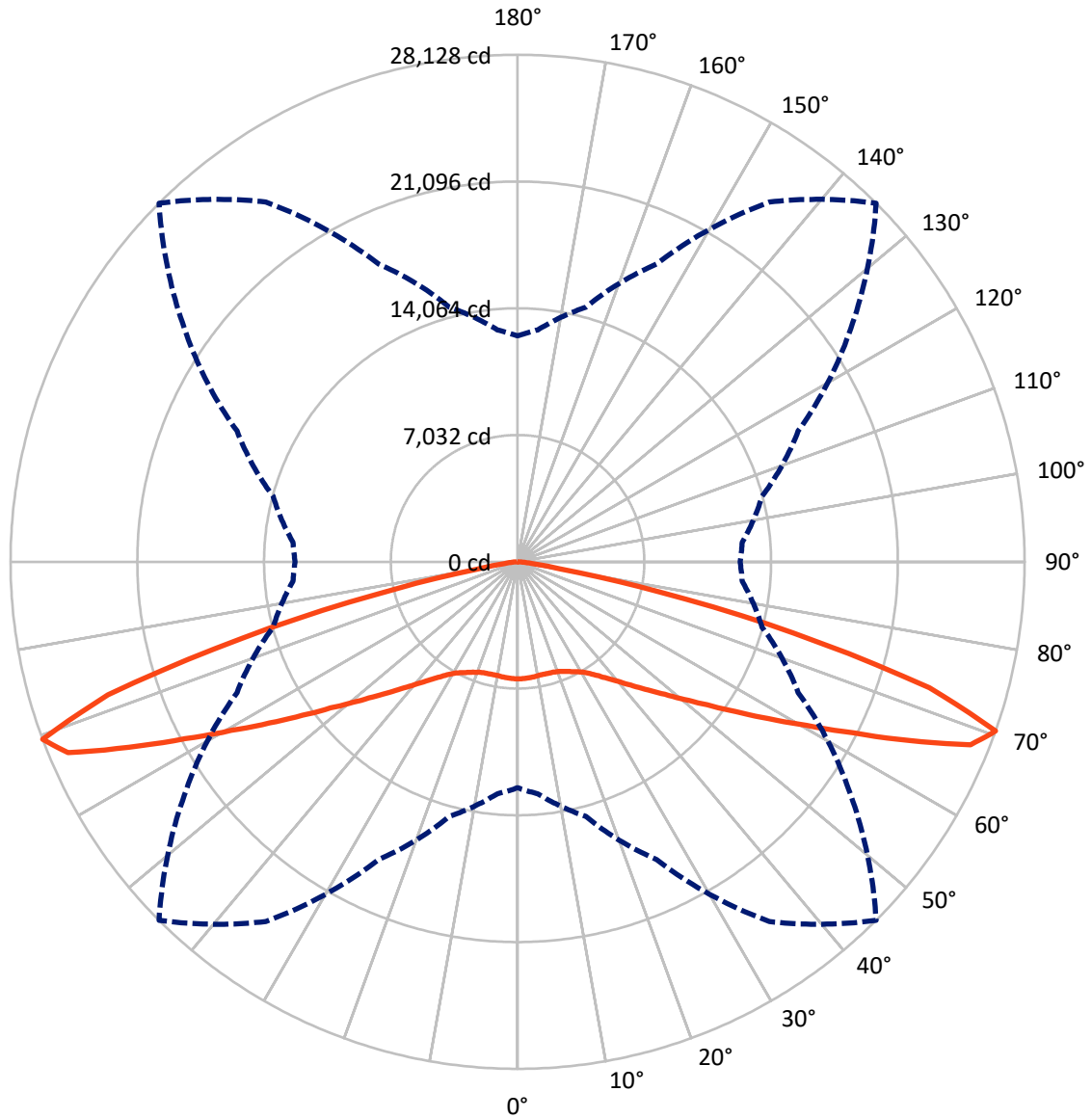
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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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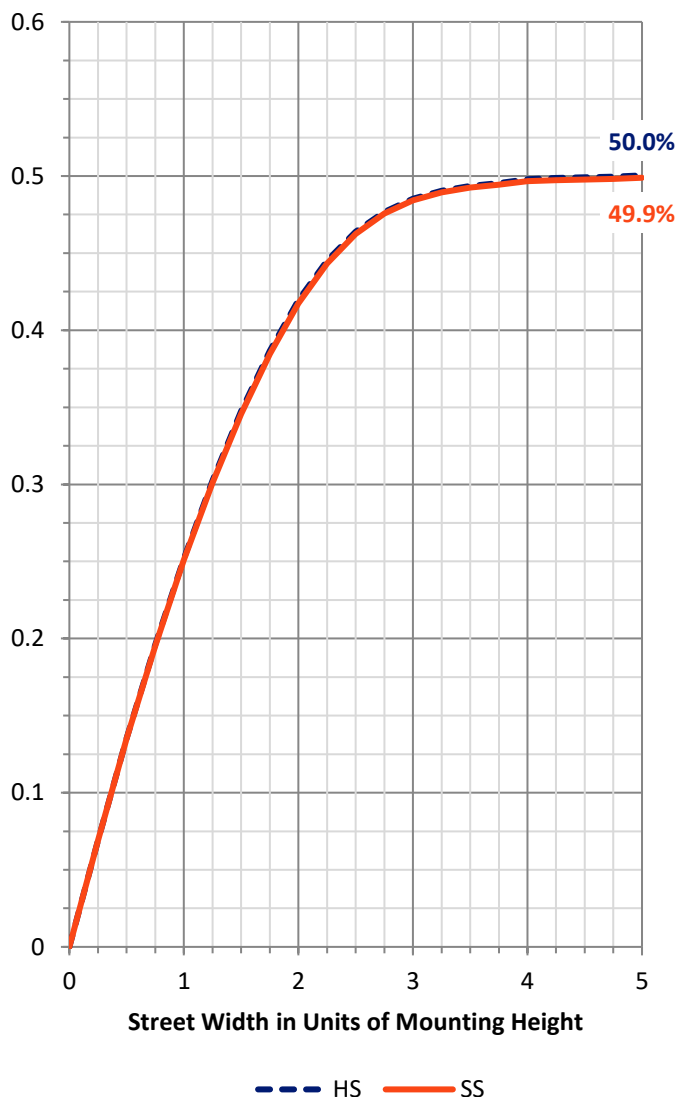
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29745.5	0.0	29745.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29745.5	0.0	29745.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59491.0	0.0	59491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.4	1.0
10°-20°	1806.6	3.0
20°-30°	3075.3	5.2
30°-40°	4877.5	8.2
40°-50°	7937.1	13.3
50°-60°	13086.9	22.0
60°-70°	19212.0	32.3
70°-80°	8495.5	14.3
80°-90°	384.7	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°	59491.0	100.0
0°-180°	59491.0	100.0

Coefficient of Utilization

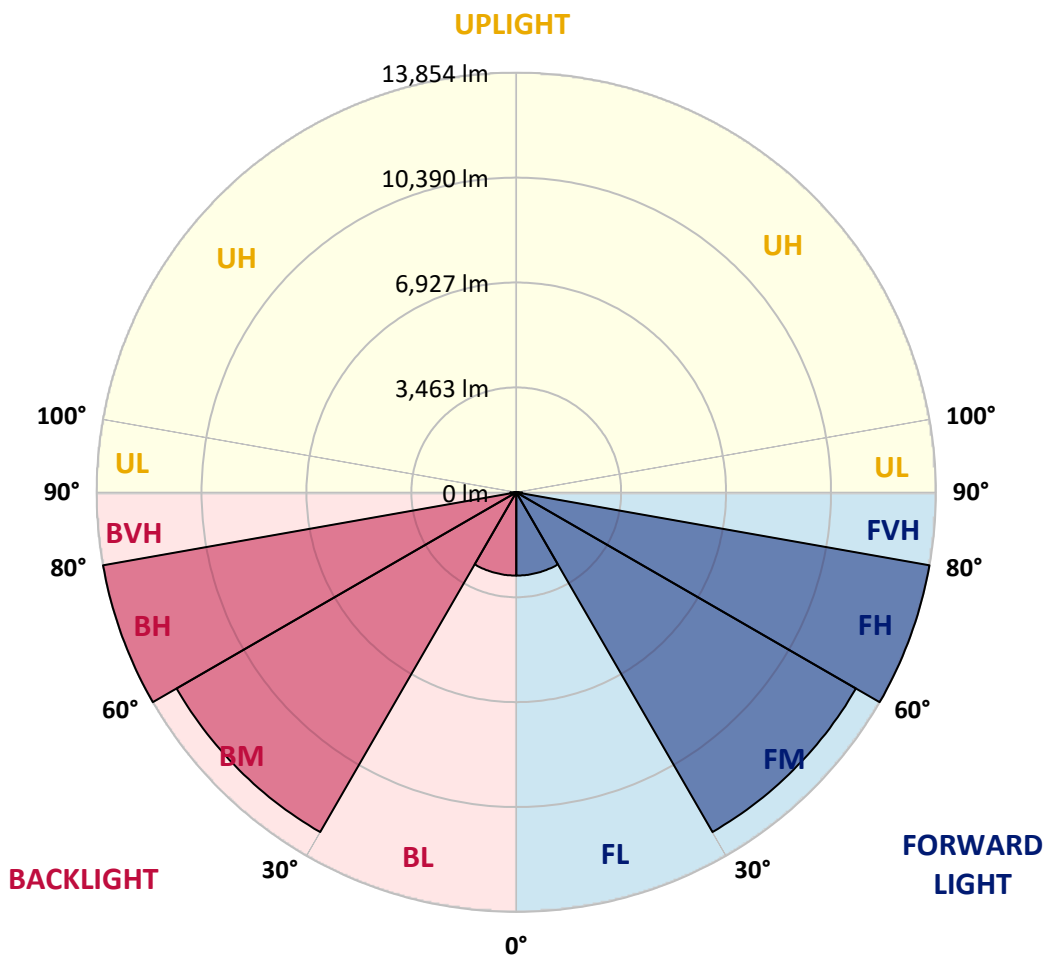


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2748.6	4.6			
FM (30°-60°)	12950.8	21.8			
FH (60°-80°)	13853.7	23.3			G5
FVH (80°-90°)	192.4	0.3			G2/225
BL (0°-30°)	2748.6	4.6	B4/5000		
BM (30°-60°)	12950.8	21.8	B5		
BH (60°-80°)	13853.7	23.3	B5		G5
BVH (80°-90°)	192.4	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°	6497.3	6497.3	6497.3	6497.3	6497.3	6497.3	6497.3	6497.3	6497.3	6497.3	6497.3
2.5°	6487.5	6481.6	6495.4	6493.4	6481.6	6483.6	6483.6	6489.5	6489.5	6485.5	6485.5
5°	6463.9	6459.9	6475.7	6475.7	6463.9	6467.8	6471.7	6477.7	6475.7	6471.7	6469.8
7.5°	6434.3	6432.4	6448.1	6448.1	6440.2	6444.2	6440.2	6442.2	6438.3	6434.3	6428.4
10°	6385.1	6389.1	6402.8	6406.8	6406.8	6408.7	6404.8	6395.0	6389.1	6383.1	6377.2
12.5°	6339.8	6337.9	6357.6	6367.4	6383.1	6400.9	6389.1	6361.5	6349.7	6337.9	6333.9
15°	6310.3	6312.3	6332.0	6349.7	6377.2	6414.6	6400.9	6357.6	6333.9	6320.1	6316.2
17.5°	6304.4	6308.3	6333.9	6365.4	6395.0	6436.3	6428.4	6385.1	6345.7	6320.1	6314.2
20°	6318.2	6320.1	6359.5	6404.8	6456.0	6495.4	6477.7	6430.4	6377.2	6337.9	6328.0
22.5°	6343.8	6351.6	6400.9	6471.7	6550.5	6603.7	6582.0	6501.3	6418.6	6369.4	6355.6
25°	6424.5	6426.5	6493.4	6589.9	6684.4	6745.4	6719.8	6605.6	6499.3	6444.2	6426.5
27.5°	6591.8	6597.8	6664.7	6776.9	6857.7	6897.0	6881.3	6788.7	6698.2	6639.1	6645.0
30°	6834.0	6841.9	6916.7	7040.8	7090.0	7099.8	7095.9	7052.6	6969.9	6891.1	6897.0
32.5°	7129.4	7133.3	7233.7	7345.9	7385.3	7393.2	7385.3	7345.9	7247.5	7141.2	7147.1
35°	7509.4	7521.2	7617.6	7725.9	7757.4	7773.2	7759.4	7708.2	7605.8	7501.5	7497.5
37.5°	7977.9	7979.9	8080.3	8192.6	8231.9	8235.9	8220.1	8186.7	8058.7	7964.2	7958.3
40°	8521.4	8529.2	8647.4	8767.5	8783.2	8765.5	8787.2	8767.5	8635.6	8527.3	8545.0
42.5°	9182.9	9200.6	9342.4	9460.5	9415.2	9405.4	9419.2	9425.1	9318.8	9186.8	9175.0
45°	9952.7	9968.5	10145.7	10240.2	10210.7	10145.7	10173.3	10220.5	10072.9	9909.4	9925.2
47.5°	10830.9	10870.3	11059.3	11147.9	11075.0	10986.4	11039.6	11110.5	10937.2	10734.4	10724.6
50°	11807.4	11856.7	12108.7	12232.7	12159.9	11996.5	12085.1	12132.3	11882.3	11620.4	11598.7
52.5°	12849.0	12898.2	13215.2	13471.2	13423.9	13169.9	13294.0	13244.7	12957.3	12604.8	12577.3
55°	14028.4	14048.0	14390.6	14804.1	14851.4	14664.3	14656.4	14575.7	14150.4	13742.9	13723.2
57.5°	15241.2	15255.0	15698.0	16186.3	16408.7	16408.7	16188.2	16016.9	15451.9	14979.3	14930.1
60°	16550.5	16599.7	17090.0	17753.5	18273.3	18426.9	18037.0	17570.4	16956.1	16379.2	16322.1
62.5°	17716.1	17773.2	18523.3	19511.7	20346.5	20905.7	19952.7	19192.8	18074.4	17149.0	17040.8
65°	17863.8	18017.3	19110.1	20899.8	22768.3	23884.6	22057.5	20185.1	18147.3	16861.6	16751.3
67.5°	16314.2	16574.1	18050.8	20836.8	24697.8	27093.9	23402.2	19618.0	16839.9	15418.4	15296.3
70°	12535.9	12914.0	14617.1	18226.0	24365.0	28127.6	22559.6	17174.6	14040.2	12510.3	12339.0
72.5°	6877.3	7032.9	8564.7	12480.8	19533.4	23902.3	18816.7	12699.4	9310.9	7576.3	7288.8
75°	2181.5	2236.7	3016.3	5107.3	11049.4	15831.9	11953.1	6233.5	3431.8	2530.0	2500.5
77.5°	968.7	974.6	1090.8	1490.5	3805.9	8021.3	4571.8	1697.2	1169.5	1021.9	1055.3
80°	612.3	612.3	675.3	738.3	1035.6	2329.2	1236.5	807.2	689.1	639.9	653.7
82.5°	293.4	324.9	439.1	472.5	569.0	783.6	634.0	527.7	460.7	342.6	319.0
85°	193.0	161.4	277.6	313.1	330.8	376.1	368.2	348.5	301.2	171.3	191.0
87.5°	86.6	82.7	143.7	131.9	124.0	94.5	141.8	175.2	169.3	84.7	84.7
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)