

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: P316461

Luminaire Tested: **GAN-SA7D-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316461
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 52504 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

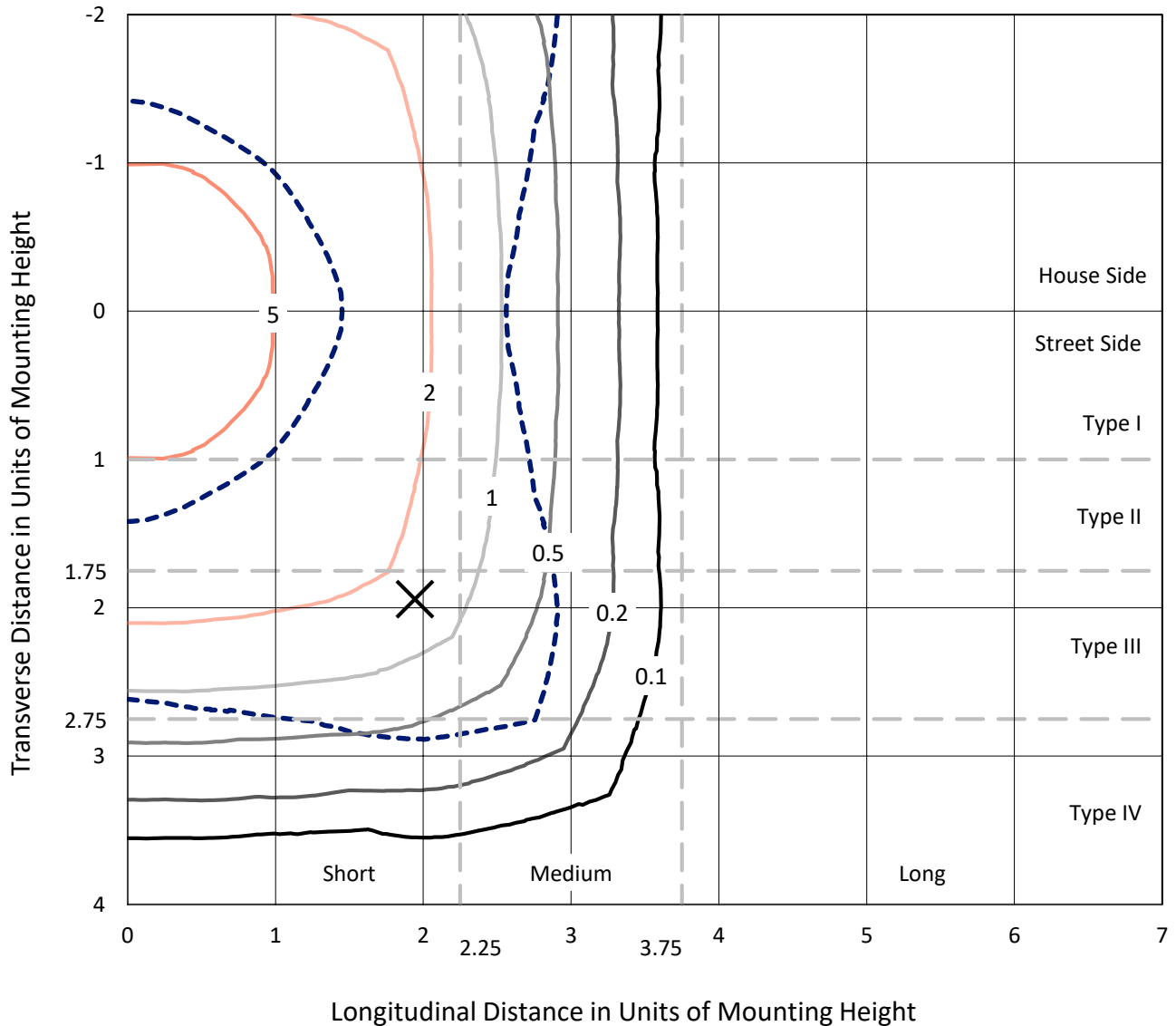
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

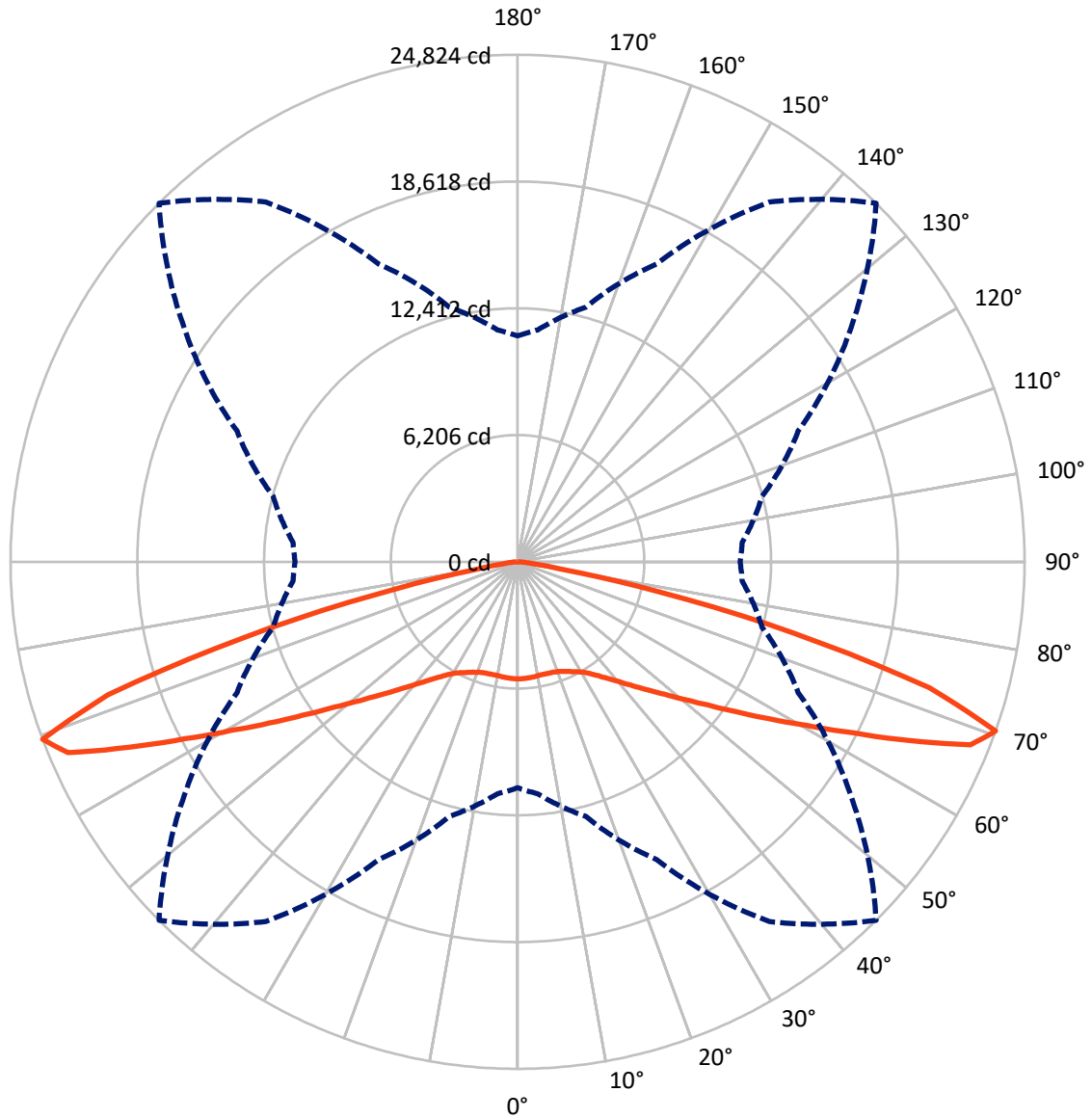
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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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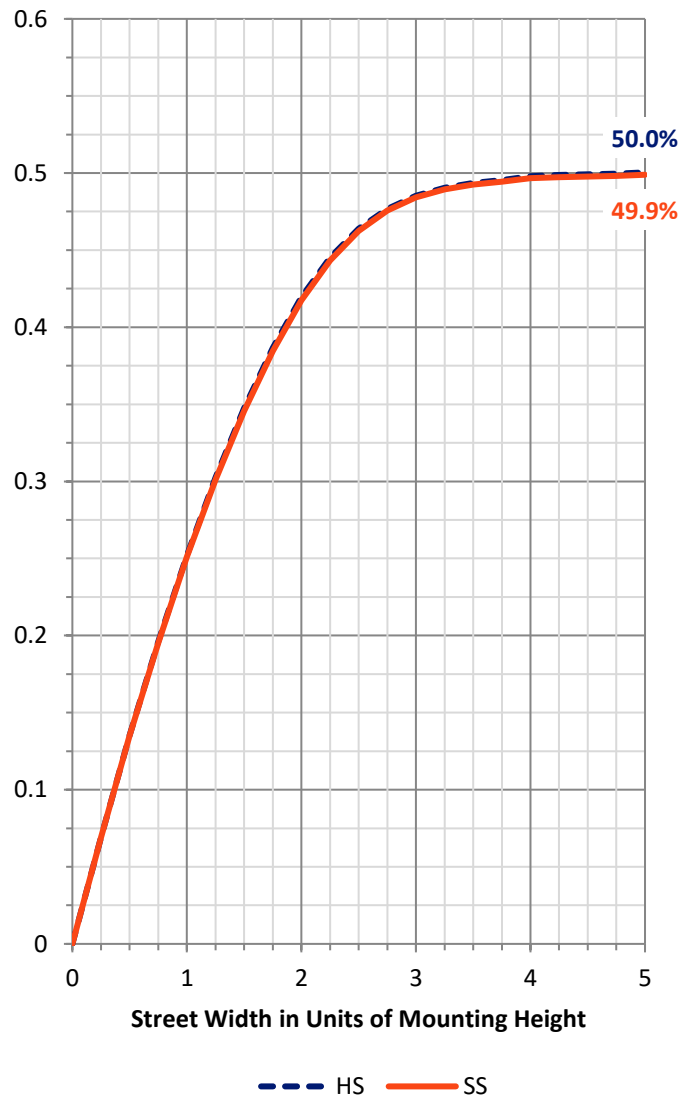
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26252.0	0.0	26252.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26252.0	0.0	26252.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52504.0	0.0	52504.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.1	1.0
10°-20°	1594.4	3.0
20°-30°	2714.2	5.2
30°-40°	4304.6	8.2
40°-50°	7005.0	13.3
50°-60°	11549.9	22.0
60°-70°	16955.6	32.3
70°-80°	7497.7	14.3
80°-90°	339.5	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°	52504.0	100.0
0°-180°	52504.0	100.0

Coefficient of Utilization

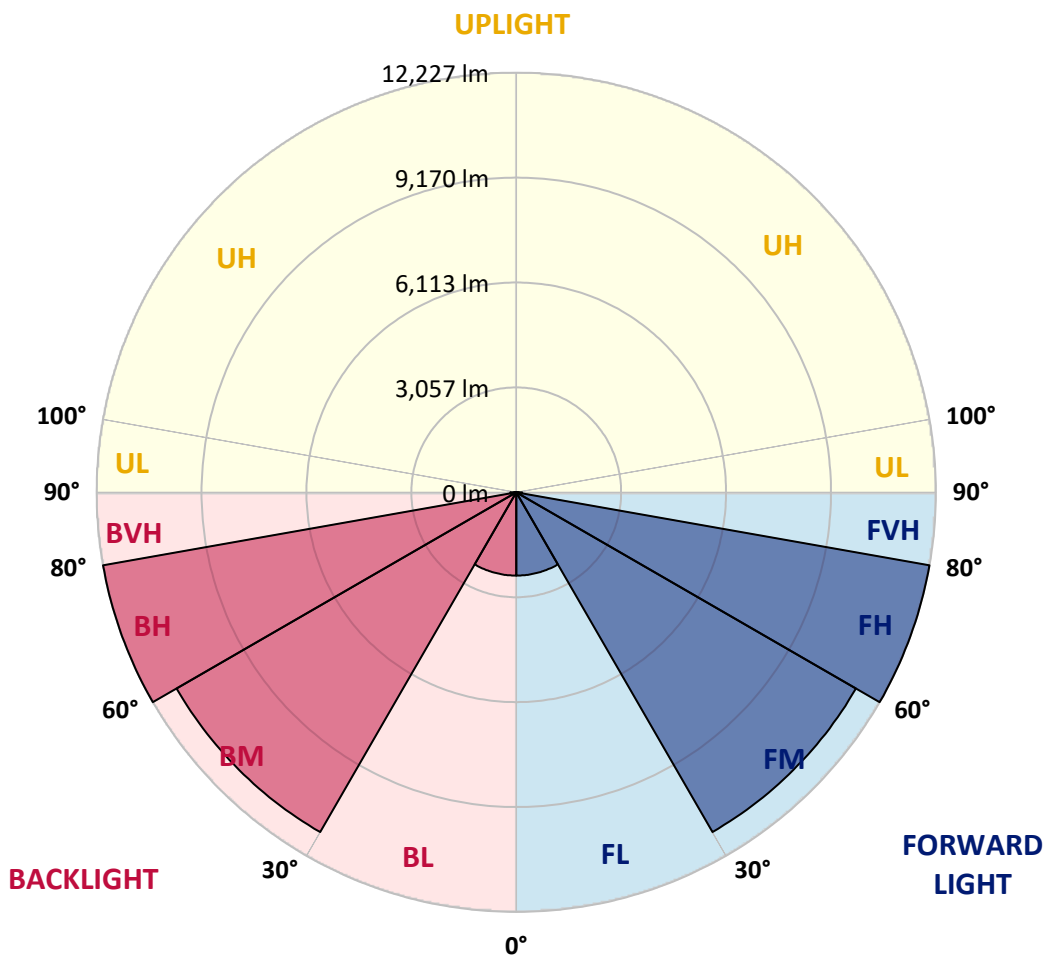


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2425.8	4.6			
FM (30°-60°)	11429.7	21.8			
FH (60°-80°)	12226.7	23.3			G5
FVH (80°-90°)	169.8	0.3			G2/225
BL (0°-30°)	2425.8	4.6	B3/2500		
BM (30°-60°)	11429.7	21.8	B5		
BH (60°-80°)	12226.7	23.3	B5		G5
BVH (80°-90°)	169.8	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°	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3	5734.3
2.5°	5725.6	5720.4	5732.5	5730.8	5720.4	5722.1	5722.1	5727.3	5727.3	5723.8	5723.8
5°	5704.7	5701.2	5715.1	5715.1	5704.7	5708.2	5711.7	5716.9	5715.1	5711.7	5709.9
7.5°	5678.6	5676.9	5690.8	5690.8	5683.9	5687.3	5683.9	5685.6	5682.1	5678.6	5673.4
10°	5635.2	5638.7	5650.8	5654.3	5654.3	5656.1	5652.6	5643.9	5638.7	5633.5	5628.3
12.5°	5595.2	5593.5	5610.9	5619.6	5633.5	5649.1	5638.7	5614.4	5603.9	5593.5	5590.0
15°	5569.2	5570.9	5588.3	5603.9	5628.3	5661.3	5649.1	5610.9	5590.0	5577.9	5574.4
17.5°	5564.0	5567.4	5590.0	5617.8	5643.9	5680.4	5673.4	5635.2	5600.5	5577.9	5572.7
20°	5576.1	5577.9	5612.6	5652.6	5697.8	5732.5	5716.9	5675.2	5628.3	5593.5	5584.8
22.5°	5598.7	5605.7	5649.1	5711.7	5781.2	5828.1	5809.0	5737.7	5664.7	5621.3	5609.1
25°	5670.0	5671.7	5730.8	5815.9	5899.3	5953.2	5930.6	5829.8	5736.0	5687.3	5671.7
27.5°	5817.7	5822.9	5882.0	5981.0	6052.2	6087.0	6073.1	5991.4	5911.5	5859.4	5864.6
30°	6031.4	6038.3	6104.4	6213.8	6257.3	6266.0	6262.5	6224.3	6151.3	6081.8	6087.0
32.5°	6292.0	6295.5	6384.1	6483.2	6517.9	6524.9	6517.9	6483.2	6396.3	6302.5	6307.7
35°	6627.4	6637.8	6723.0	6818.5	6846.4	6860.3	6848.1	6802.9	6712.6	6620.5	6617.0
37.5°	7041.0	7042.7	7131.3	7230.4	7265.1	7268.6	7254.7	7225.2	7112.2	7028.8	7023.6
40°	7520.6	7527.5	7631.8	7737.8	7751.7	7736.0	7755.1	7737.8	7621.3	7525.8	7541.4
42.5°	8104.4	8120.1	8245.2	8349.4	8309.5	8300.8	8312.9	8318.1	8224.3	8107.9	8097.5
45°	8783.8	8797.7	8954.1	9037.5	9011.5	8954.1	8978.5	9020.2	8889.8	8745.6	8759.5
47.5°	9558.8	9593.6	9760.4	9838.6	9774.3	9696.1	9743.0	9805.6	9652.7	9473.7	9465.0
50°	10420.7	10464.1	10686.6	10796.0	10731.7	10587.5	10665.7	10707.4	10486.7	10255.6	10236.5
52.5°	11339.9	11383.4	11663.1	11889.0	11847.3	11623.2	11732.6	11689.2	11435.5	11124.5	11100.1
55°	12380.8	12398.2	12700.5	13065.4	13107.1	12942.0	12935.1	12863.8	12488.5	12128.8	12111.4
57.5°	13451.2	13463.3	13854.3	14285.2	14481.6	14481.6	14287.0	14135.8	13637.1	13220.1	13176.6
60°	14606.7	14650.1	15082.8	15668.4	16127.2	16262.7	15918.6	15506.8	14964.7	14455.5	14405.1
62.5°	15635.4	15685.8	16347.8	17220.1	17956.9	18450.4	17609.4	16938.6	15951.7	15135.0	15039.4
65°	15765.7	15901.3	16865.7	18445.2	20094.2	21079.5	19466.9	17814.4	16015.9	14881.3	14783.9
67.5°	14398.2	14627.6	15930.8	18389.6	21797.1	23911.8	20653.7	17314.0	14862.1	13607.6	13499.8
70°	11063.6	11397.3	12900.3	16085.5	21503.5	24824.1	19910.0	15157.5	12391.2	11041.0	10889.9
72.5°	6069.6	6206.9	7558.8	11015.0	17239.3	21095.1	16606.7	11207.9	8217.4	6686.5	6432.8
75°	1925.3	1974.0	2662.1	4507.5	9751.7	13972.5	10549.3	5501.4	3028.7	2232.9	2206.8
77.5°	854.9	860.1	962.7	1315.4	3358.9	7079.2	4034.8	1497.9	1032.2	901.8	931.4
80°	540.4	540.4	596.0	651.6	914.0	2055.6	1091.2	712.4	608.2	564.7	576.9
82.5°	258.9	286.7	387.5	417.0	502.2	691.6	559.5	465.7	406.6	302.4	281.5
85°	170.3	142.5	245.0	276.3	291.9	331.9	324.9	307.6	265.9	151.2	168.6
87.5°	76.5	73.0	126.8	116.4	109.5	83.4	125.1	154.7	149.4	74.7	74.7
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)