

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: P316719

Luminaire Tested: **GAN-SA5B-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24638 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

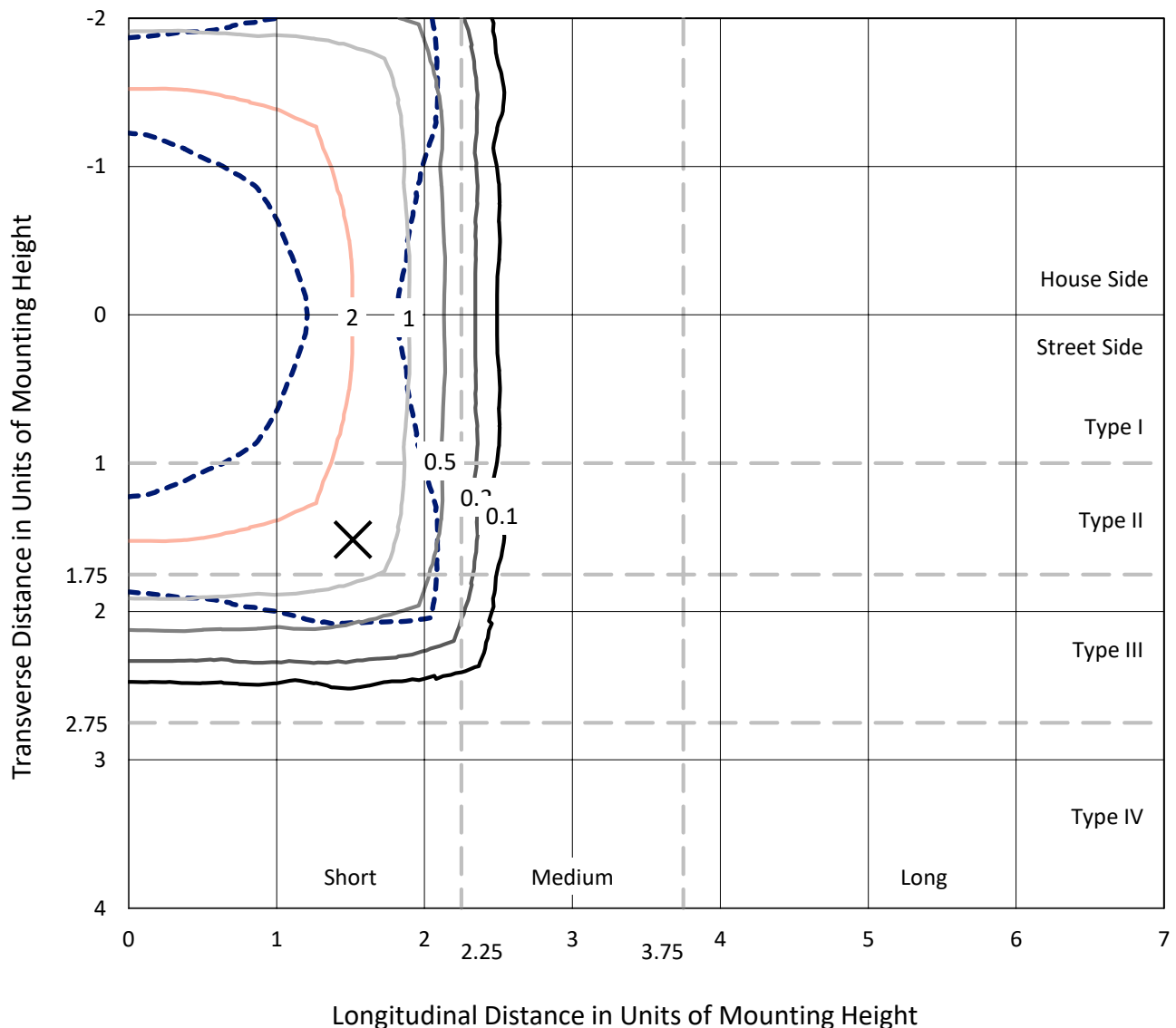
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

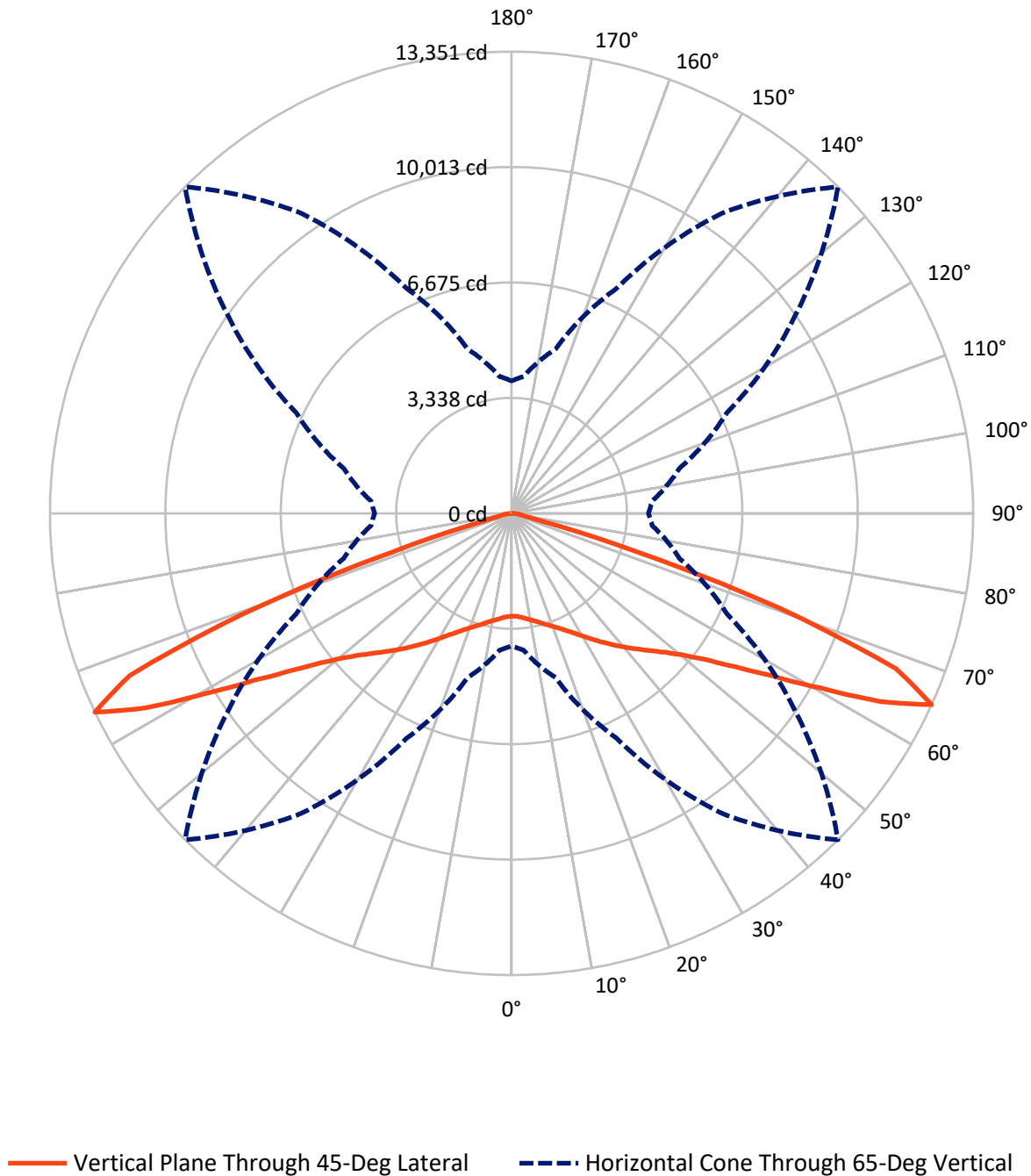
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12319.0	0.0	12319.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12319.0	0.0	12319.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24638.0	0.0	24638.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	1.2
10°-20°	938.3	3.8
20°-30°	1760.5	7.1
30°-40°	2911.4	11.8
40°-50°	4509.4	18.3
50°-60°	6916.2	28.1
60°-70°	6453.6	26.2
70°-80°	751.1	3.0
80°-90°	105.5	0.4
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°	24638.0	100.0
0°-180°	24638.0	100.0

Coefficient of Utilization



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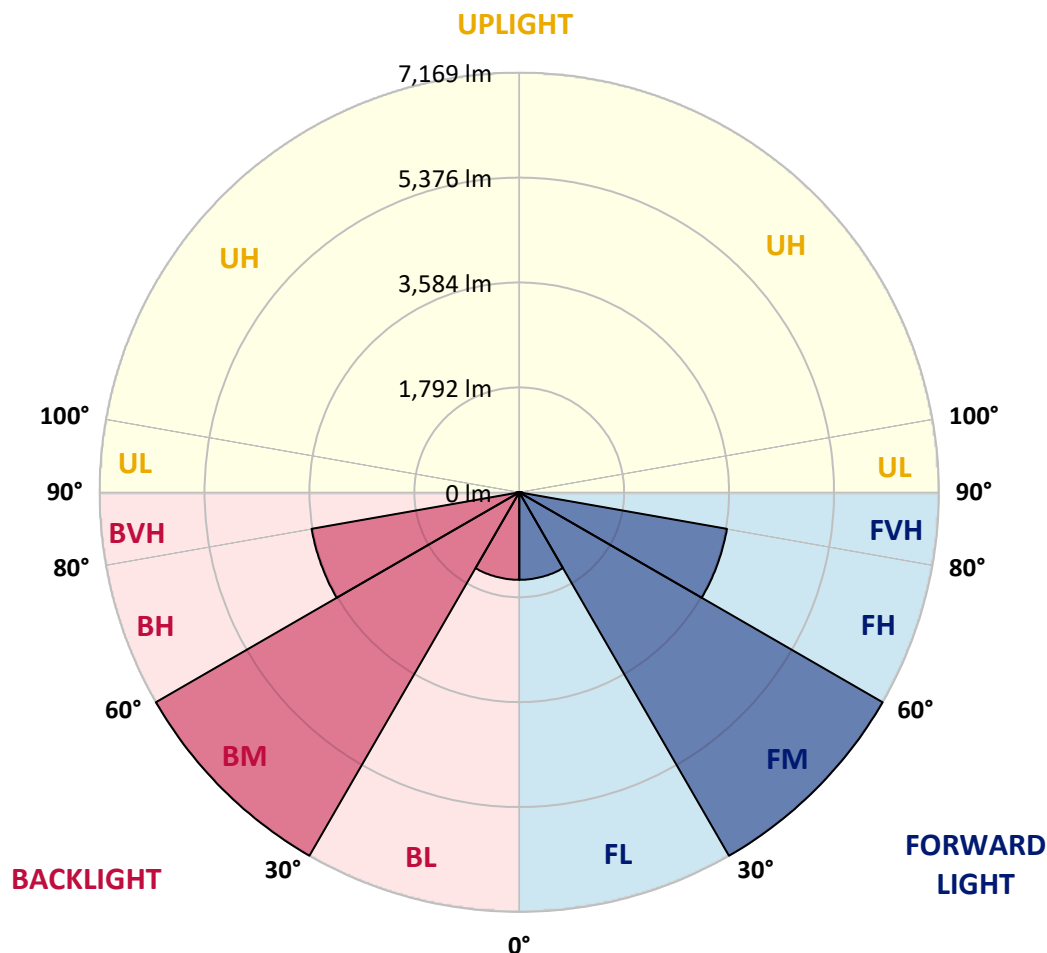
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1495.3	6.1			
FM	(30°-60°)	7168.5	29.1			
FH	(60°-80°)	3602.4	14.6			G2/5000
FVH	(80°-90°)	52.8	0.2			G1/100
BL	(0°-30°)	1495.3	6.1	B3/2500		
BM	(30°-60°)	7168.5	29.1	B4/8500		
BH	(60°-80°)	3602.4	14.6	B4/5000		G2/5000
BVH	(80°-90°)	52.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2975.4	2975.4	2975.4	2975.4	2975.4	2975.4	2975.4	2975.4	2975.4	2975.4	2975.4
2.5°	2985.2	2983.5	2985.2	2986.0	2981.1	2983.5	2982.7	2986.8	2988.4	2986.8	2986.8
5°	3019.5	3017.1	3020.3	3024.4	3017.9	3019.5	3017.1	3022.0	3023.6	3020.3	3022.8
7.5°	3067.0	3067.8	3071.0	3078.4	3074.3	3077.6	3072.7	3073.5	3072.7	3067.8	3068.6
10°	3118.5	3119.3	3125.0	3134.8	3136.5	3136.5	3133.2	3130.7	3127.5	3124.2	3125.0
12.5°	3180.6	3184.7	3188.8	3201.1	3201.1	3207.6	3206.0	3199.4	3193.7	3188.8	3188.8
15°	3264.9	3264.1	3269.0	3281.2	3287.0	3297.6	3297.6	3288.6	3281.2	3276.3	3274.7
17.5°	3353.2	3355.7	3358.9	3373.6	3382.6	3394.9	3396.5	3389.2	3384.3	3377.7	3373.6
20°	3456.2	3460.3	3473.4	3479.1	3487.3	3498.8	3502.9	3501.2	3496.3	3493.1	3493.9
22.5°	3576.5	3587.1	3595.3	3603.5	3613.3	3621.5	3625.5	3631.3	3626.4	3623.9	3622.3
25°	3722.1	3729.4	3745.8	3760.5	3767.0	3769.5	3774.4	3782.6	3781.8	3776.0	3776.0
27.5°	3887.3	3901.2	3921.6	3942.9	3942.9	3934.7	3951.0	3965.0	3960.0	3952.7	3942.9
30°	4087.6	4100.7	4124.4	4153.9	4139.2	4133.4	4155.5	4180.9	4173.5	4161.2	4159.6
32.5°	4303.5	4315.8	4346.9	4378.8	4360.0	4351.8	4375.5	4412.3	4399.2	4374.7	4360.0
35°	4537.5	4549.7	4593.9	4632.3	4600.4	4586.5	4606.2	4646.2	4623.3	4577.5	4566.1
37.5°	4791.8	4798.3	4855.6	4894.9	4872.8	4836.0	4860.5	4889.9	4870.3	4814.7	4792.6
40°	5056.0	5079.7	5145.9	5191.7	5153.3	5095.2	5136.1	5177.0	5147.6	5076.4	5038.8
42.5°	5364.3	5382.3	5470.6	5511.5	5449.4	5367.6	5423.2	5478.8	5449.4	5380.7	5347.9
45°	5684.9	5712.7	5818.2	5859.1	5769.1	5665.3	5733.2	5830.5	5828.0	5729.1	5694.7
47.5°	6034.1	6061.9	6187.9	6241.9	6144.5	6005.5	6101.2	6238.6	6228.8	6120.0	6092.2
50°	6437.3	6466.8	6623.8	6691.7	6600.9	6439.0	6582.9	6703.9	6686.0	6551.8	6554.3
52.5°	6943.6	6941.9	7137.4	7255.2	7161.9	7018.8	7151.3	7269.1	7194.7	7009.0	7003.3
55°	7386.9	7413.8	7655.9	7879.2	7873.5	7818.7	7871.8	7876.7	7664.1	7417.1	7386.9
57.5°	7678.0	7729.5	8070.6	8474.6	8777.2	8850.0	8746.9	8434.5	7936.4	7541.4	7493.2
60°	7498.9	7577.4	8113.1	8936.7	9828.1	10255.9	9674.4	8705.2	7724.6	7174.2	7108.8
62.5°	6290.1	6422.6	7206.9	8713.4	10732.7	11983.2	10346.7	8271.0	6882.2	6124.1	6012.0
65°	3830.8	3970.7	4916.1	7171.8	10586.3	13350.6	10040.0	6865.1	5023.3	4080.3	3959.2
67.5°	1276.7	1317.6	1874.5	3964.1	8320.0	11995.5	8333.9	4109.7	2186.1	1449.2	1406.7
70°	499.7	503.8	594.6	1149.1	3929.0	8239.1	4335.4	1169.5	621.6	491.5	502.2
72.5°	367.2	368.9	394.2	480.1	1024.0	3629.6	1060.8	482.5	383.6	344.3	344.3
75°	295.2	295.2	313.2	350.0	458.8	832.6	465.4	346.0	300.2	274.8	271.5
77.5°	233.1	238.0	251.9	275.6	310.8	400.7	322.2	274.0	242.1	218.4	213.5
80°	173.4	178.3	201.2	212.6	223.3	278.1	238.0	214.3	191.4	163.6	158.7
82.5°	113.7	118.6	147.2	153.8	151.3	181.6	160.3	157.8	140.7	105.5	100.6
85°	74.4	76.1	98.1	102.2	94.1	82.6	102.2	108.0	98.1	68.7	66.2
87.5°	35.2	35.2	49.9	46.6	42.5	34.3	46.6	54.8	55.6	33.5	32.7
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)