

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: P316400

Luminaire Tested: **GAN-SA6B-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316400
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-SA6B-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30028 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

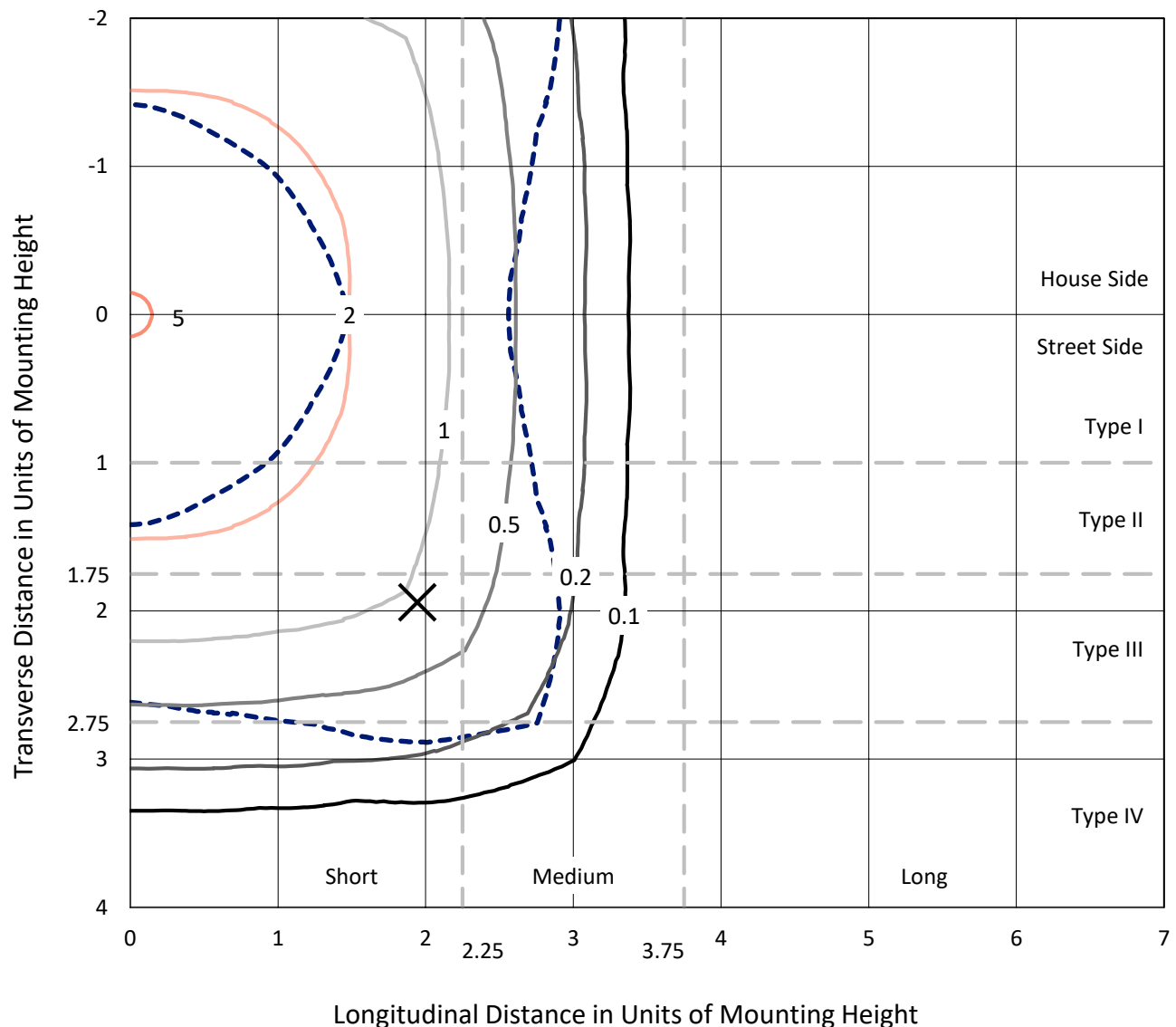
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

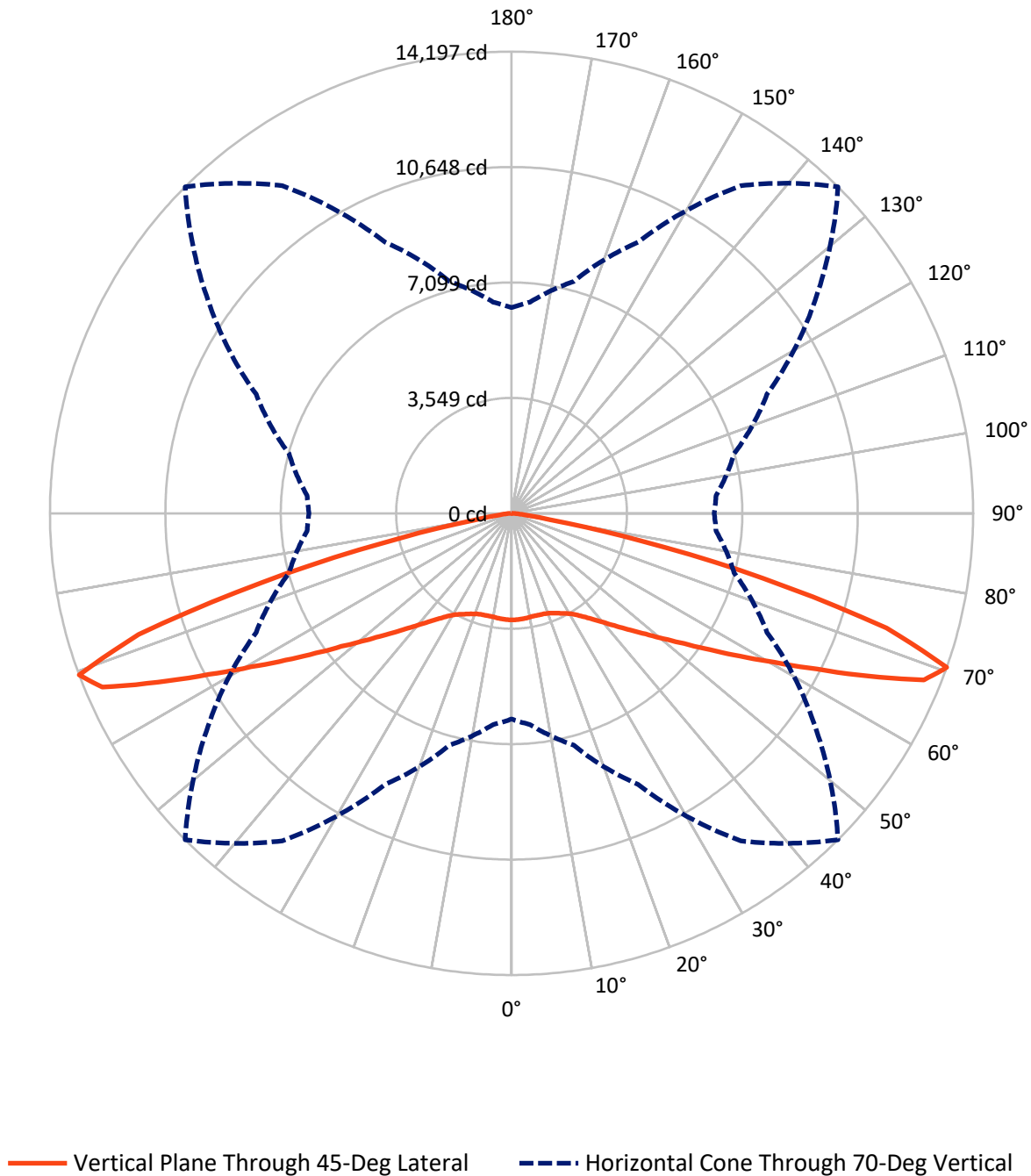
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	15014.0	0.0	15014.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15014.0	0.0	15014.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30028.0	0.0	30028.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.6	1.0
10°-20°	911.9	3.0
20°-30°	1552.3	5.2
30°-40°	2461.9	8.2
40°-50°	4006.3	13.3
50°-60°	6605.6	22.0
60°-70°	9697.2	32.3
70°-80°	4288.1	14.3
80°-90°	194.2	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°	30028.0	100.0
0°-180°	30028.0	100.0

Coefficient of Utilization



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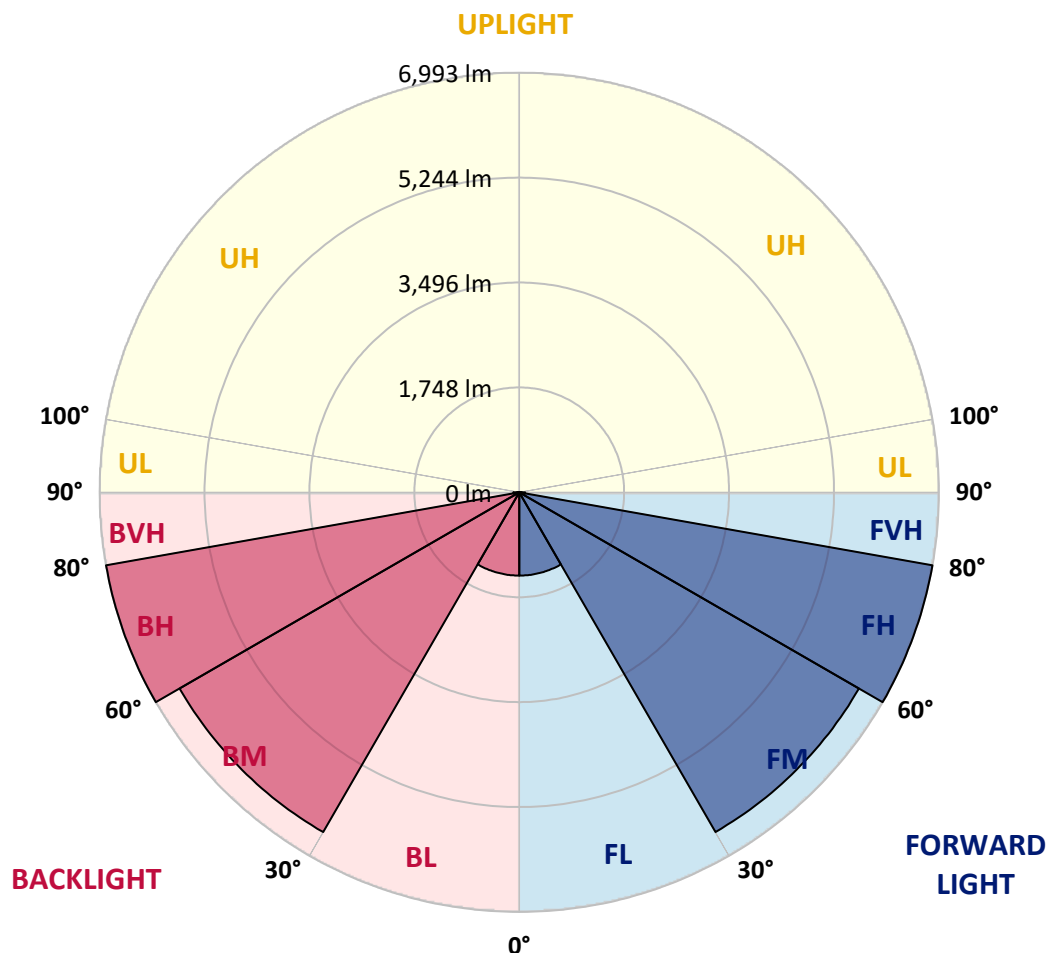
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1387.4	4.6			
FM	(30°-60°)	6536.9	21.8			
FH	(60°-80°)	6992.7	23.3			G3/7500
FVH	(80°-90°)	97.1	0.3			G1/100
BL	(0°-30°)	1387.4	4.6	B3/2500		
BM	(30°-60°)	6536.9	21.8	B4/8500		
BH	(60°-80°)	6992.7	23.3	B5		G3/7500
BVH	(80°-90°)	97.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3279.5	3279.5	3279.5	3279.5	3279.5	3279.5	3279.5	3279.5	3279.5	3279.5	3279.5
2.5°	3274.6	3271.6	3278.5	3277.5	3271.6	3272.6	3272.6	3275.5	3275.5	3273.6	3273.6
5°	3262.6	3260.6	3268.6	3268.6	3262.6	3264.6	3266.6	3269.6	3268.6	3266.6	3265.6
7.5°	3247.7	3246.7	3254.7	3254.7	3250.7	3252.7	3250.7	3251.7	3249.7	3247.7	3244.7
10°	3222.9	3224.9	3231.8	3233.8	3233.8	3234.8	3232.8	3227.8	3224.9	3221.9	3218.9
12.5°	3200.0	3199.0	3209.0	3213.9	3221.9	3230.8	3224.9	3211.0	3205.0	3199.0	3197.0
15°	3185.1	3186.1	3196.0	3205.0	3218.9	3237.8	3230.8	3209.0	3197.0	3190.1	3188.1
17.5°	3182.1	3184.1	3197.0	3212.9	3227.8	3248.7	3244.7	3222.9	3203.0	3190.1	3187.1
20°	3189.1	3190.1	3210.0	3232.8	3258.7	3278.5	3269.6	3245.7	3218.9	3199.0	3194.1
22.5°	3202.0	3206.0	3230.8	3266.6	3306.4	3333.2	3322.3	3281.5	3239.8	3214.9	3208.0
25°	3242.8	3243.7	3277.5	3326.2	3373.9	3404.7	3391.8	3334.2	3280.5	3252.7	3243.7
27.5°	3327.2	3330.2	3364.0	3420.6	3461.4	3481.3	3473.3	3426.6	3380.9	3351.1	3354.1
30°	3449.5	3453.4	3491.2	3553.8	3578.7	3583.6	3581.6	3559.8	3518.0	3478.3	3481.3
32.5°	3598.5	3600.5	3651.2	3707.9	3727.7	3731.7	3727.7	3707.9	3658.2	3604.5	3607.5
35°	3790.3	3796.3	3845.0	3899.7	3915.6	3923.5	3916.5	3890.7	3839.0	3786.4	3784.4
37.5°	4026.9	4027.9	4078.5	4135.2	4155.1	4157.0	4149.1	4132.2	4067.6	4019.9	4016.9
40°	4301.1	4305.1	4364.7	4425.4	4433.3	4424.4	4435.3	4425.4	4358.8	4304.1	4313.1
42.5°	4635.1	4644.0	4715.6	4775.2	4752.3	4747.4	4754.3	4757.3	4703.6	4637.0	4631.1
45°	5023.6	5031.6	5121.0	5168.7	5153.8	5121.0	5134.9	5158.8	5084.3	5001.8	5009.7
47.5°	5466.9	5486.7	5582.1	5626.9	5590.1	5545.4	5572.2	5608.0	5520.5	5418.2	5413.2
50°	5959.8	5984.6	6111.8	6174.5	6137.7	6055.2	6099.9	6123.8	5997.6	5865.4	5854.4
52.5°	6485.5	6510.4	6670.4	6799.5	6775.7	6647.5	6710.1	6685.3	6540.2	6362.3	6348.4
55°	7080.8	7090.7	7263.7	7472.3	7496.2	7401.8	7397.8	7357.1	7142.4	6936.7	6926.8
57.5°	7693.0	7699.9	7923.5	8170.0	8282.3	8282.3	8171.0	8084.5	7799.3	7560.8	7536.0
60°	8353.8	8378.7	8626.1	8961.1	9223.4	9300.9	9104.2	8868.6	8558.6	8267.4	8238.6
62.5°	8942.2	8971.0	9349.6	9848.5	10269.9	10552.1	10071.1	9687.5	9123.0	8656.0	8601.3
65°	9016.7	9094.2	9645.8	10549.1	11492.3	12055.7	11133.5	10188.4	9159.8	8510.9	8455.2
67.5°	8234.6	8365.8	9111.1	10517.3	12466.2	13675.6	11812.3	9902.2	8499.9	7782.4	7720.8
70°	6327.5	6518.3	7377.9	9199.6	12298.2	14197.4	11386.9	8668.9	7086.8	6314.6	6228.1
72.5°	3471.3	3549.8	4323.0	6299.7	9859.4	12064.7	9497.7	6410.0	4699.7	3824.1	3679.0
75°	1101.1	1129.0	1522.5	2577.9	5577.2	7991.1	6033.3	3146.4	1732.2	1277.0	1262.1
77.5°	488.9	491.9	550.6	752.3	1921.0	4048.7	2307.6	856.7	590.3	515.8	532.7
80°	309.1	309.1	340.9	372.7	522.7	1175.7	624.1	407.5	347.8	323.0	329.9
82.5°	148.1	164.0	221.6	238.5	287.2	395.5	320.0	266.3	232.5	172.9	161.0
85°	97.4	81.5	140.1	158.0	167.0	189.8	185.8	175.9	152.1	86.5	96.4
87.5°	43.7	41.7	72.5	66.6	62.6	47.7	71.6	88.4	85.5	42.7	42.7
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)