

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: P316728

Luminaire Tested: **GAN-SA4C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316728
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-SA4C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24613 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

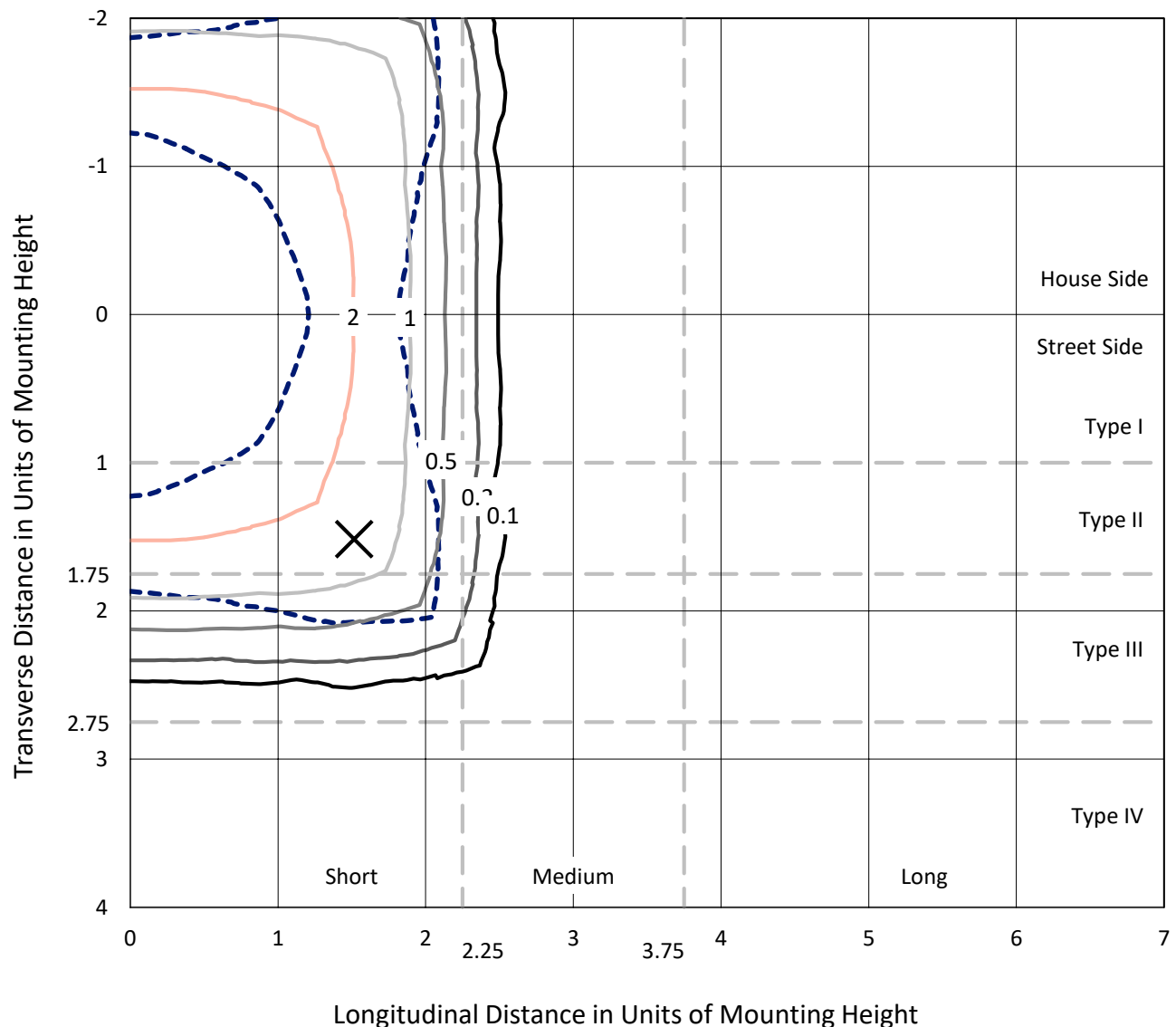
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

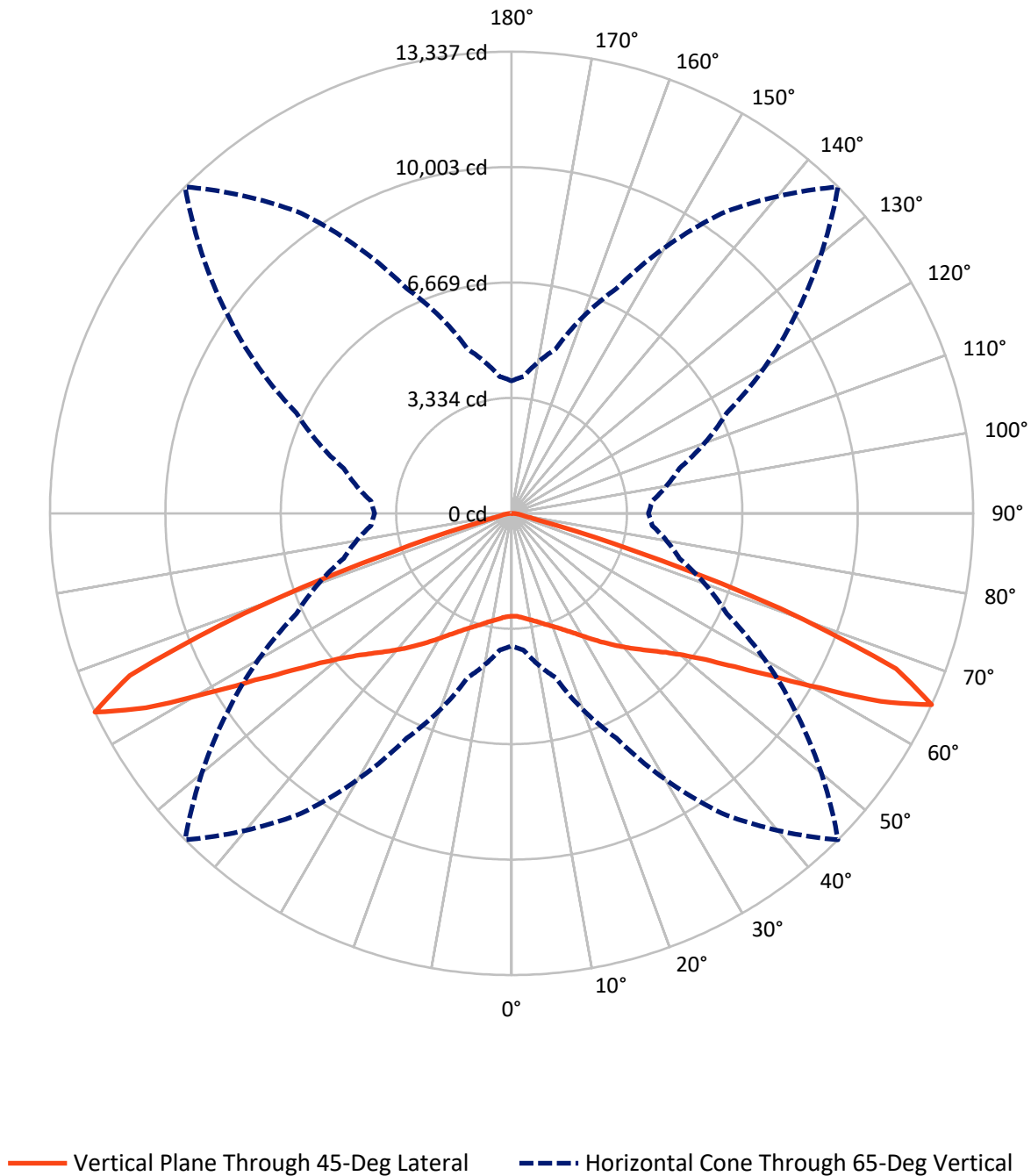
× Max cd
 - - - 1/2 Max cd



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	12306.5	0.0	12306.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12306.5	0.0	12306.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	24613.0	0.0	24613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.6	1.2
10°-20°	937.4	3.8
20°-30°	1758.7	7.1
30°-40°	2908.5	11.8
40°-50°	4504.9	18.3
50°-60°	6909.2	28.1
60°-70°	6447.1	26.2
70°-80°	750.3	3.0
80°-90°	105.4	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°	24613.0	100.0
0°-180°	24613.0	100.0

Coefficient of Utilization



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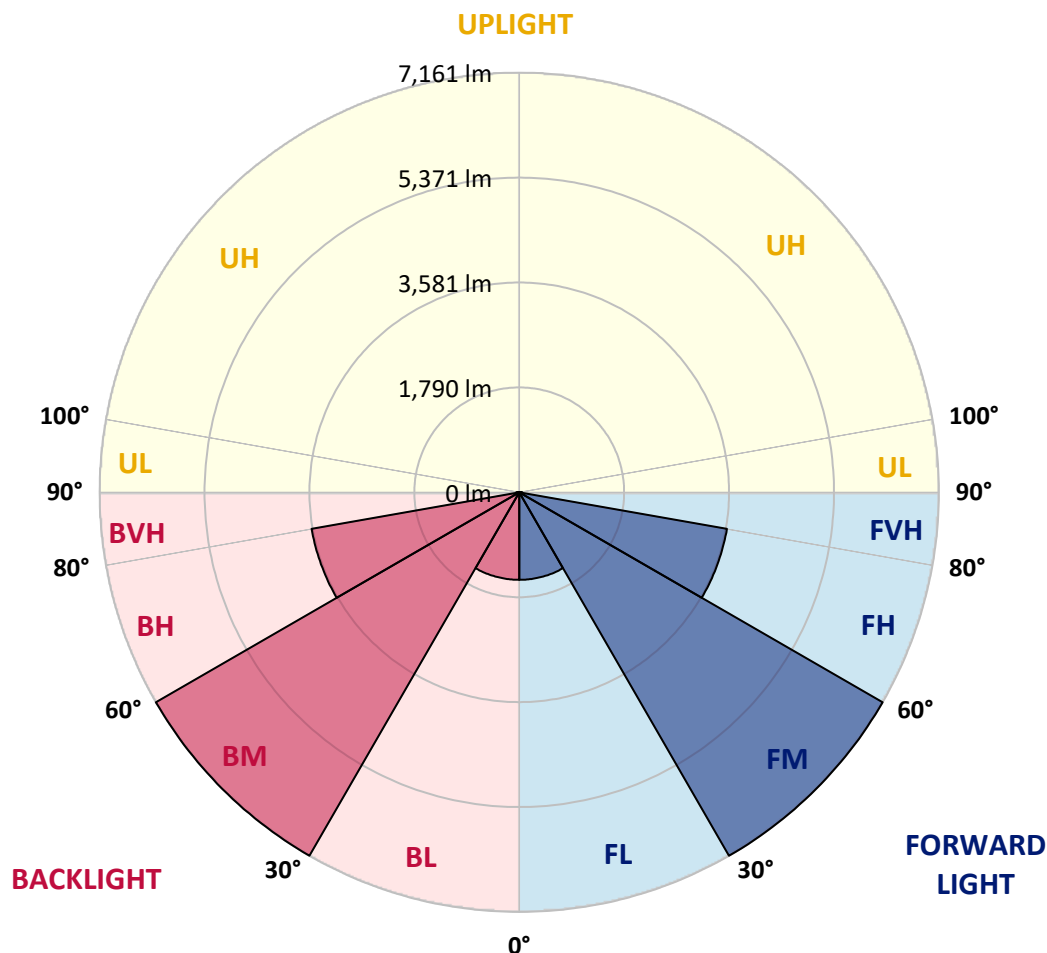
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1493.8	6.1			
FM	(30°-60°)	7161.3	29.1			
FH	(60°-80°)	3598.7	14.6			G2/5000
FVH	(80°-90°)	52.7	0.2			G1/100
BL	(0°-30°)	1493.8	6.1	B3/2500		
BM	(30°-60°)	7161.3	29.1	B4/8500		
BH	(60°-80°)	3598.7	14.6	B4/5000		G2/5000
BVH	(80°-90°)	52.7	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°	2972.3	2972.3	2972.3	2972.3	2972.3	2972.3	2972.3	2972.3	2972.3	2972.3	2972.3
2.5°	2982.1	2980.5	2982.1	2983.0	2978.1	2980.5	2979.7	2983.8	2985.4	2983.8	2983.8
5°	3016.5	3014.0	3017.3	3021.4	3014.8	3016.5	3014.0	3018.9	3020.5	3017.3	3019.7
7.5°	3063.8	3064.7	3067.9	3075.3	3071.2	3074.5	3069.6	3070.4	3069.6	3064.7	3065.5
10°	3115.3	3116.1	3121.8	3131.7	3133.3	3133.3	3130.0	3127.6	3124.3	3121.0	3121.8
12.5°	3177.4	3181.5	3185.6	3197.8	3197.8	3204.4	3202.7	3196.2	3190.5	3185.6	3185.6
15°	3261.6	3260.7	3265.6	3277.9	3283.6	3294.2	3294.2	3285.3	3277.9	3273.0	3271.4
17.5°	3349.8	3352.2	3355.5	3370.2	3379.2	3391.5	3393.1	3385.7	3380.8	3374.3	3370.2
20°	3452.7	3456.8	3469.9	3475.6	3483.8	3495.2	3499.3	3497.7	3492.8	3489.5	3490.3
22.5°	3572.8	3583.5	3591.6	3599.8	3609.6	3617.8	3621.9	3627.6	3622.7	3620.2	3618.6
25°	3718.3	3725.6	3742.0	3756.7	3763.2	3765.7	3770.6	3778.7	3777.9	3772.2	3772.2
27.5°	3883.3	3897.2	3917.6	3938.9	3938.9	3930.7	3947.0	3960.9	3956.0	3948.7	3938.9
30°	4083.5	4096.6	4120.2	4149.7	4135.0	4129.2	4151.3	4176.6	4169.3	4157.0	4155.4
32.5°	4299.2	4311.4	4342.5	4374.3	4355.6	4347.4	4371.1	4407.8	4394.8	4370.3	4355.6
35°	4532.8	4545.1	4589.2	4627.6	4595.8	4581.9	4601.5	4641.5	4618.6	4572.9	4561.4
37.5°	4786.9	4793.5	4850.7	4889.9	4867.8	4831.1	4855.6	4885.0	4865.4	4809.8	4787.8
40°	5050.8	5074.5	5140.7	5186.5	5148.1	5090.1	5130.9	5171.8	5142.3	5071.3	5033.7
42.5°	5358.9	5376.8	5465.1	5505.9	5443.8	5362.1	5417.7	5473.2	5443.8	5375.2	5342.5
45°	5679.1	5706.9	5812.3	5853.2	5763.3	5659.5	5727.3	5824.6	5822.1	5723.2	5688.9
47.5°	6028.0	6055.8	6181.6	6235.5	6138.3	5999.4	6095.0	6232.3	6222.5	6113.8	6086.0
50°	6430.8	6460.2	6617.1	6684.9	6594.2	6432.4	6576.2	6697.1	6679.2	6545.2	6547.6
52.5°	6936.5	6934.9	7130.2	7247.8	7154.7	7011.7	7144.1	7261.7	7187.4	7001.9	6996.2
55°	7379.4	7406.3	7648.2	7871.2	7865.5	7810.7	7863.9	7868.8	7656.3	7409.6	7379.4
57.5°	7670.2	7721.7	8062.4	8466.0	8768.3	8841.0	8738.1	8426.0	7928.4	7533.8	7485.6
60°	7491.3	7569.7	8104.9	8927.6	9818.2	10245.5	9664.6	8696.4	7716.8	7166.9	7101.6
62.5°	6283.7	6416.1	7199.6	8704.6	10721.8	11971.0	10336.2	8262.6	6875.3	6117.9	6005.9
65°	3826.9	3966.6	4911.1	7164.5	10575.6	13337.1	10029.8	6858.1	5018.2	4076.1	3955.2
67.5°	1275.4	1316.2	1872.6	3960.1	8311.6	11983.3	8325.5	4105.5	2183.9	1447.8	1405.3
70°	499.2	503.3	594.0	1147.9	3925.0	8230.7	4331.0	1168.3	620.9	491.0	501.7
72.5°	366.8	368.5	393.8	479.6	1022.9	3626.0	1059.7	482.0	383.2	344.0	344.0
75°	294.9	294.9	312.9	349.7	458.4	831.7	464.9	345.6	299.8	274.5	271.3
77.5°	232.9	237.8	251.6	275.3	310.5	400.3	321.9	273.7	241.8	218.1	213.2
80°	173.2	178.1	201.0	212.4	223.0	277.8	237.8	214.1	191.2	163.4	158.5
82.5°	113.6	118.5	147.1	153.6	151.1	181.4	160.1	157.7	140.5	105.4	100.5
85°	74.3	76.0	98.0	102.1	94.0	82.5	102.1	107.8	98.0	68.6	66.2
87.5°	35.1	35.1	49.8	46.6	42.5	34.3	46.6	54.7	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)