

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: P317058

Luminaire Tested: **GAN-SA4D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4D-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26757 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

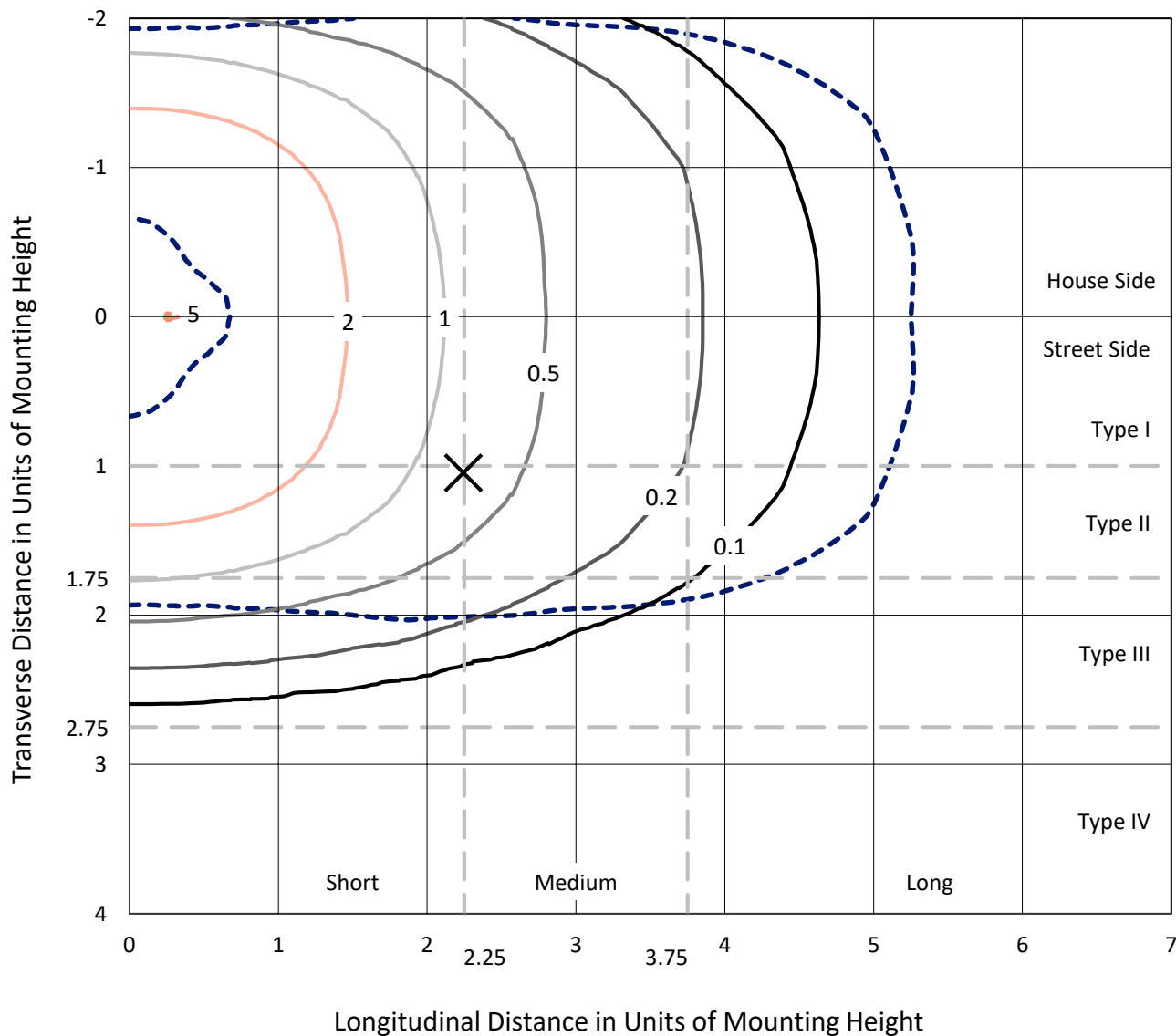
Input Watts (W): 258
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

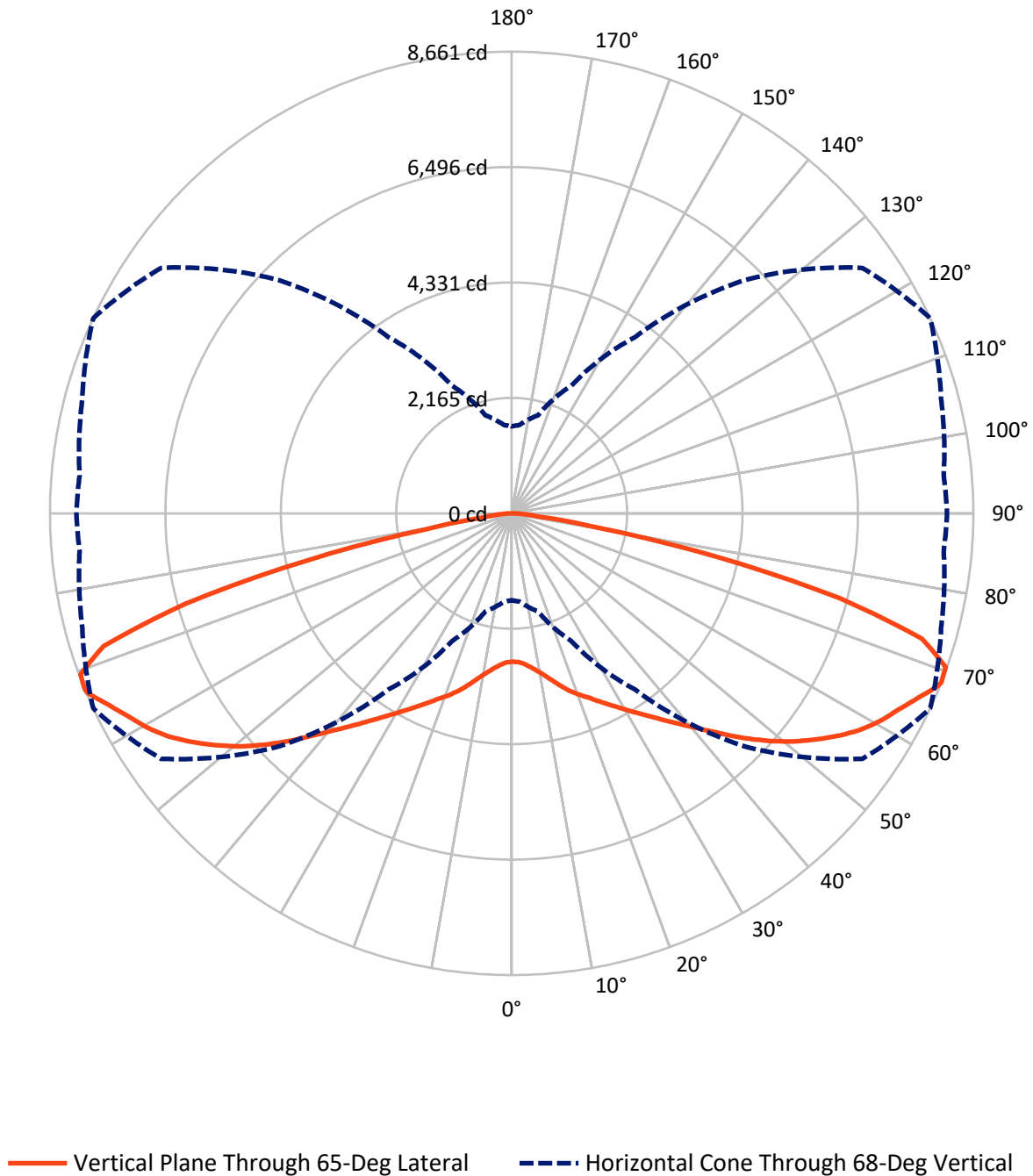
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13378.5	0.0	13378.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13378.5	0.0	13378.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26757.0	0.0	26757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.4	1.0
10°-20°	912.1	3.4
20°-30°	1778.3	6.6
30°-40°	2987.4	11.2
40°-50°	4707.1	17.6
50°-60°	6294.9	23.5
60°-70°	6119.5	22.9
70°-80°	3345.2	12.5
80°-90°	340.2	1.3
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°	26757.0	100.0
0°-180°	26757.0	100.0

Coefficient of Utilization



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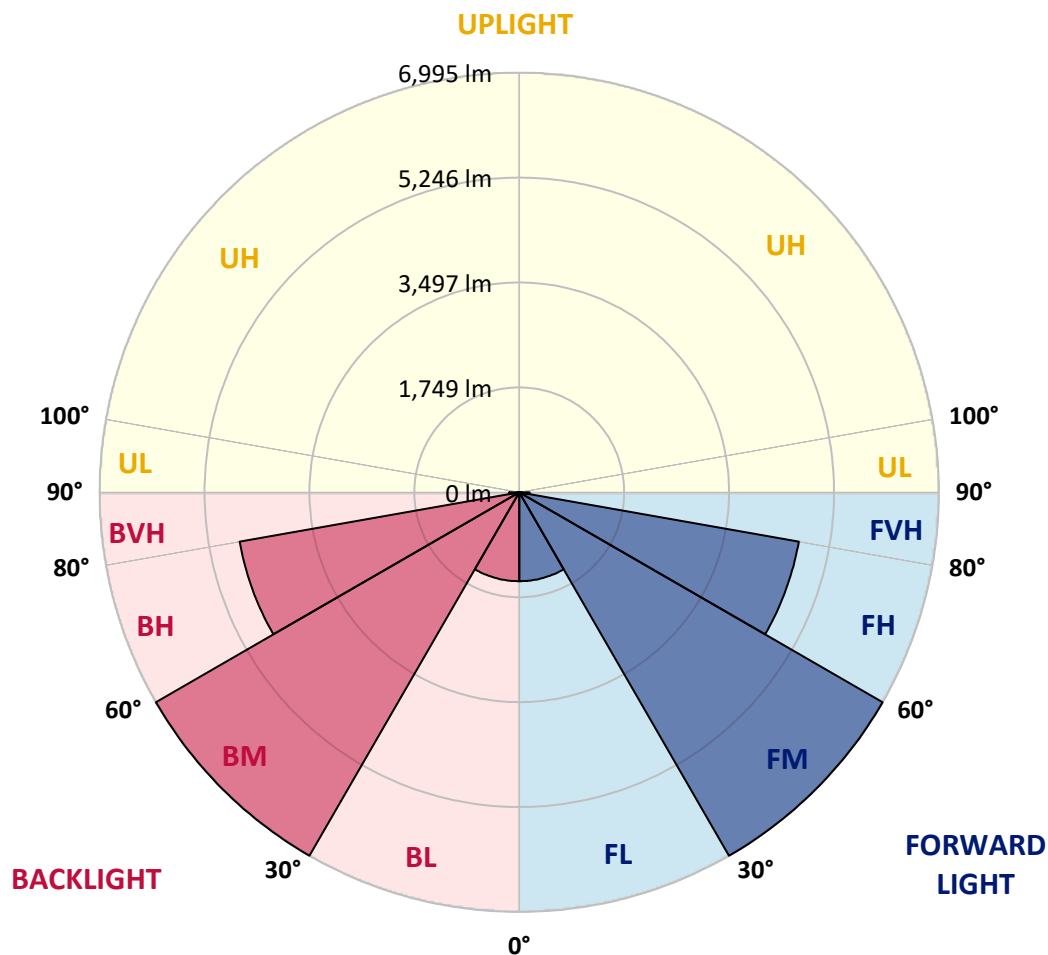
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1481.4	5.5			
FM	(30°-60°)	6994.7	26.1			
FH	(60°-80°)	4732.3	17.7			G2/5000
FVH	(80°-90°)	170.1	0.6			G2/225
BL	(0°-30°)	1481.4	5.5	B3/2500		
BM	(30°-60°)	6994.7	26.1	B4/8500		
BH	(60°-80°)	4732.3	17.7	B4/5000		G4/5000
BVH	(80°-90°)	170.1	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1	2782.1
2.5°	2762.4	2763.3	2767.7	2773.1	2777.6	2789.3	2792.0	2796.5	2798.2	2802.7	2802.7
5°	2738.1	2739.9	2750.7	2765.1	2781.2	2809.9	2830.5	2853.9	2865.5	2878.1	2877.2
7.5°	2735.4	2739.9	2755.2	2778.5	2805.4	2853.0	2896.0	2942.7	2974.1	3002.8	3001.0
10°	2763.3	2770.4	2792.0	2827.0	2867.3	2926.5	2990.2	3053.0	3107.8	3151.7	3153.5
12.5°	2805.4	2814.4	2848.5	2901.4	2962.4	3038.7	3114.0	3184.9	3260.3	3325.8	3331.2
15°	2861.0	2872.7	2923.8	3002.8	3096.1	3186.7	3267.5	3340.1	3427.2	3517.8	3526.7
17.5°	2943.6	2959.7	3027.0	3133.8	3256.7	3356.3	3440.6	3495.3	3568.0	3661.3	3678.4
20°	3069.2	3089.8	3175.1	3302.5	3452.3	3556.3	3620.9	3632.6	3668.5	3751.9	3771.7
22.5°	3232.5	3250.4	3345.5	3497.1	3664.9	3777.9	3812.0	3765.4	3761.8	3829.1	3847.9
25°	3414.6	3430.7	3541.1	3711.6	3891.9	4016.6	4015.7	3925.1	3862.3	3914.3	3934.1
27.5°	3619.2	3644.3	3750.1	3929.6	4122.5	4245.4	4238.2	4098.2	3978.9	3992.4	4009.4
30°	3854.2	3882.0	3985.2	4167.3	4360.2	4480.4	4471.5	4286.6	4107.2	4071.3	4083.9
32.5°	4145.8	4179.0	4276.8	4456.2	4626.7	4735.2	4709.2	4491.2	4261.5	4183.5	4195.1
35°	4496.6	4516.3	4619.5	4796.2	4934.4	5008.9	4954.1	4728.0	4457.1	4362.9	4362.9
37.5°	4851.9	4867.1	4982.8	5154.2	5287.9	5327.3	5220.6	4987.3	4712.8	4579.1	4581.8
40°	5192.8	5234.0	5364.1	5540.0	5671.9	5682.6	5540.9	5283.4	4997.2	4859.0	4875.2
42.5°	5548.9	5589.3	5744.5	5943.7	6060.3	6078.3	5912.3	5615.3	5318.4	5206.2	5224.2
45°	5866.5	5898.8	6078.3	6309.7	6455.1	6501.7	6305.3	5995.7	5665.6	5556.1	5560.6
47.5°	6088.1	6130.3	6327.7	6600.4	6812.1	6883.9	6691.0	6366.3	6007.4	5874.6	5886.3
50°	6289.1	6311.5	6511.6	6809.5	7078.6	7226.6	7061.6	6732.3	6352.8	6211.9	6224.5
52.5°	6401.2	6430.0	6623.7	6934.2	7252.7	7491.3	7390.8	7061.6	6686.5	6549.3	6564.5
55°	6323.2	6344.7	6577.1	6962.0	7360.3	7654.6	7669.8	7383.6	7014.0	6893.8	6936.9
57.5°	5967.9	5994.8	6278.3	6782.5	7373.8	7764.9	7879.8	7682.4	7319.9	7222.2	7247.3
60°	5412.6	5429.6	5732.0	6299.0	7111.8	7810.7	8013.4	7926.4	7619.6	7521.8	7555.9
62.5°	4423.0	4448.1	4809.7	5569.6	6558.3	7675.2	8142.6	8128.3	7898.6	7808.9	7839.4
65°	3023.4	3067.4	3467.5	4428.4	5705.1	7260.7	8260.2	8363.3	8145.3	8032.3	8072.7
67.5°	1825.7	1858.0	2147.8	2923.8	4365.6	6424.6	8139.1	8630.7	8319.4	8137.3	8170.5
68°	1631.9	1661.5	1903.8	2638.6	4038.1	6188.6	8028.7	8661.2	8338.2	8135.5	8165.1
70°	986.0	1005.7	1168.1	1631.0	2692.4	4909.3	7276.0	8636.1	8458.4	8160.6	8177.6
72.5°	642.4	648.6	675.6	837.1	1375.3	2745.3	5461.0	8047.5	8638.8	8306.8	8304.1
75°	533.8	530.2	532.9	551.8	678.3	1204.0	3191.2	6357.3	8235.0	8076.2	8019.7
77.5°	451.3	448.6	447.7	448.6	454.0	581.4	1385.2	3960.1	6301.7	7144.1	7194.3
80°	365.1	361.6	373.2	367.8	351.7	361.6	580.5	1647.2	2970.5	3195.7	2994.7
82.5°	265.6	252.1	302.3	288.0	274.5	254.8	320.3	532.0	708.8	486.3	341.8
85°	204.6	190.2	229.7	220.7	188.4	130.1	190.2	260.2	287.1	164.2	129.2
87.5°	83.4	87.9	166.0	131.0	110.4	62.8	78.1	104.1	140.0	70.0	53.8
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)