

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: P317041

Luminaire Tested: **GAN-SA7B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317041
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-SA7B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34553 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 295
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



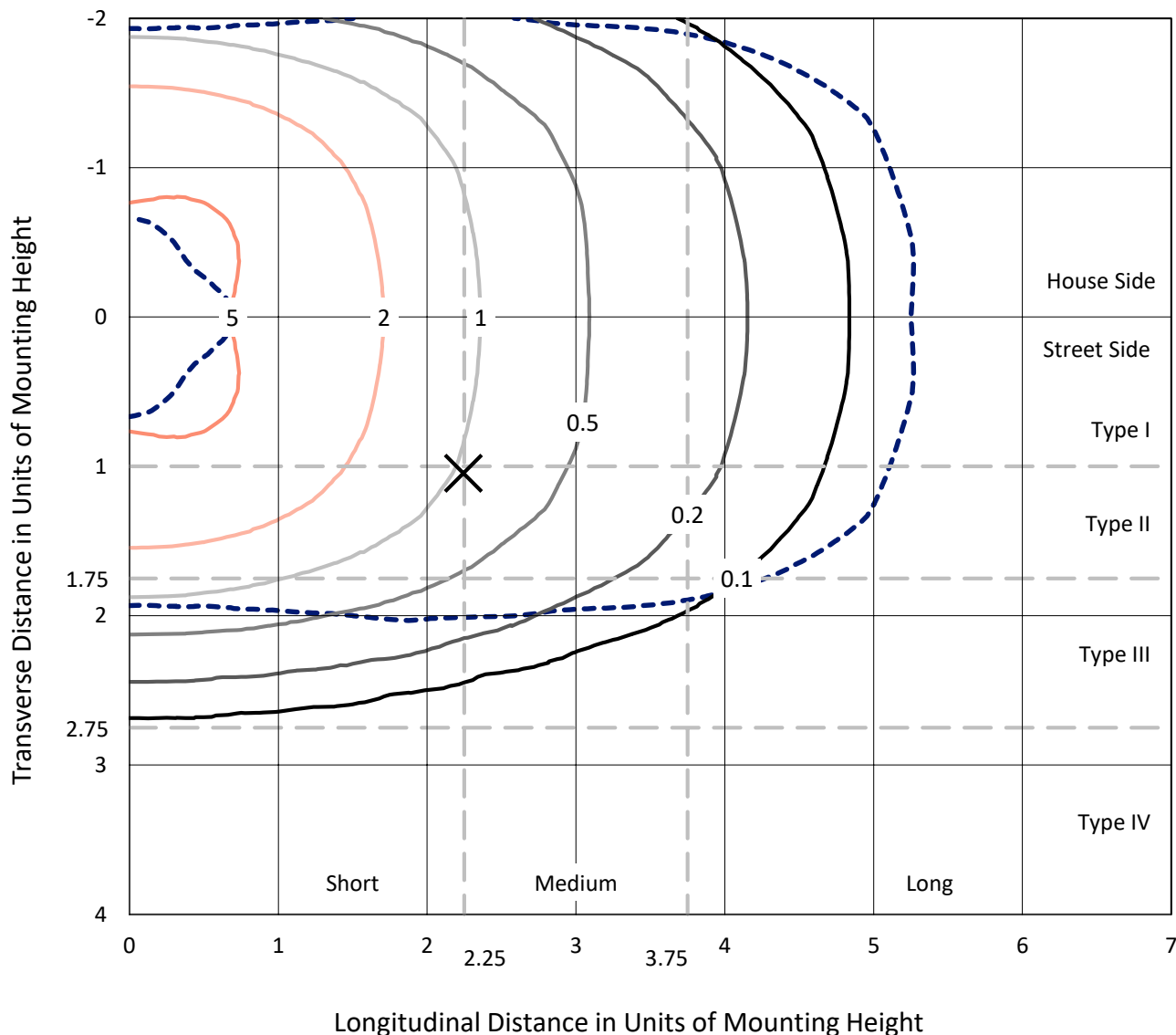
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

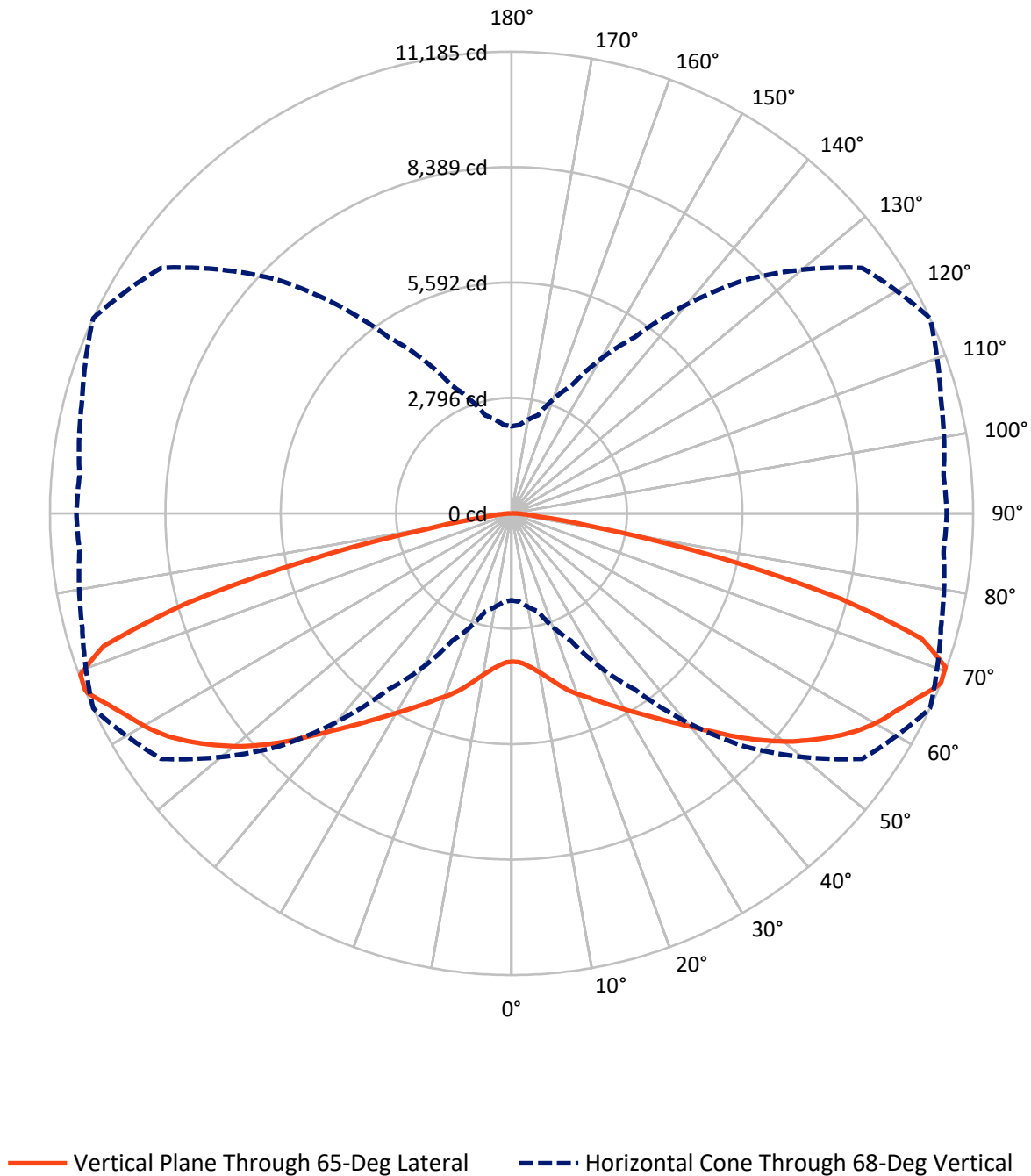


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc

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	17276.5	0.0	17276.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17276.5	0.0	17276.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34553.0	0.0	34553.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.7	1.0
10°-20°	1177.8	3.4
20°-30°	2296.4	6.6
30°-40°	3857.8	11.2
40°-50°	6078.6	17.6
50°-60°	8129.0	23.5
60°-70°	7902.4	22.9
70°-80°	4319.9	12.5
80°-90°	439.3	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°	34553.0	100.0
0°-180°	34553.0	100.0

Coefficient of Utilization



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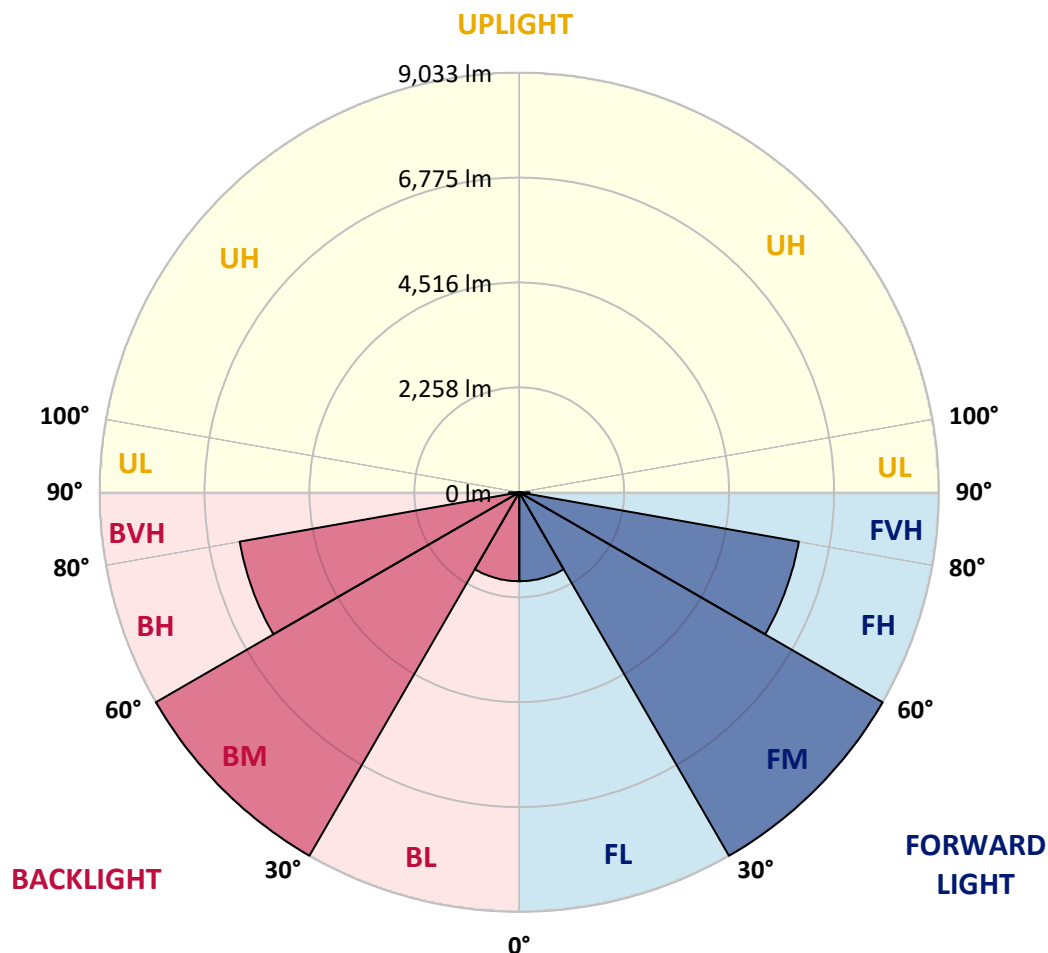
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1913.0	5.5			
FM	(30°-60°)	9032.7	26.1			
FH	(60°-80°)	6111.1	17.7			G3/7500
FVH	(80°-90°)	219.7	0.6			G2/225
BL	(0°-30°)	1913.0	5.5	B3/2500		
BM	(30°-60°)	9032.7	26.1	B5		
BH	(60°-80°)	6111.1	17.7	B5		G5
BVH	(80°-90°)	219.7	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3592.7	3592.7	3592.7	3592.7	3592.7	3592.7	3592.7	3592.7	3592.7	3592.7	3592.7
2.5°	3567.2	3568.4	3574.2	3581.1	3586.9	3602.0	3605.4	3611.2	3613.6	3619.3	3619.3
5°	3535.9	3538.2	3552.1	3570.7	3591.5	3628.6	3655.3	3685.4	3700.4	3716.7	3715.5
7.5°	3532.5	3538.2	3557.9	3588.1	3622.8	3684.2	3739.8	3800.1	3840.6	3877.7	3875.4
10°	3568.4	3577.6	3605.4	3650.6	3702.8	3779.2	3861.5	3942.6	4013.3	4070.0	4072.3
12.5°	3622.8	3634.4	3678.4	3746.8	3825.6	3924.0	4021.4	4112.9	4210.2	4294.8	4301.7
15°	3694.7	3709.7	3775.8	3877.7	3998.2	4115.2	4219.5	4313.3	4425.7	4542.7	4554.3
17.5°	3801.2	3822.1	3909.0	4046.9	4205.6	4334.2	4443.1	4513.8	4607.6	4728.1	4750.1
20°	3963.4	3990.1	4100.1	4264.7	4458.1	4592.5	4676.0	4691.0	4737.4	4845.1	4870.6
22.5°	4174.3	4197.5	4320.3	4516.1	4732.7	4878.7	4922.7	4862.5	4857.8	4944.7	4969.1
25°	4409.5	4430.3	4572.8	4793.0	5025.8	5186.9	5185.7	5068.7	4987.6	5054.8	5080.3
27.5°	4673.6	4706.1	4842.8	5074.5	5323.6	5482.3	5473.0	5292.3	5138.2	5155.6	5177.6
30°	4977.2	5013.1	5146.3	5381.5	5630.6	5785.9	5774.3	5535.6	5303.9	5257.6	5273.8
32.5°	5353.7	5396.6	5522.9	5754.6	5974.7	6114.9	6081.3	5799.8	5503.2	5402.4	5417.4
35°	5806.7	5832.2	5965.4	6193.7	6372.1	6468.2	6397.6	6105.6	5755.7	5634.1	5634.1
37.5°	6265.5	6285.2	6434.7	6655.9	6828.6	6879.5	6741.7	6440.4	6085.9	5913.3	5916.8
40°	6705.8	6759.0	6927.0	7154.1	7324.4	7338.3	7155.3	6822.8	6453.2	6274.8	6295.6
42.5°	7165.7	7217.8	7418.3	7675.5	7826.1	7849.3	7634.9	7251.4	6868.0	6723.1	6746.3
45°	7575.8	7617.5	7849.3	8148.2	8335.8	8396.1	8142.4	7742.7	7316.3	7175.0	7180.8
47.5°	7862.0	7916.5	8171.3	8523.5	8797.0	8889.6	8640.6	8221.2	7757.7	7586.3	7601.3
50°	8121.5	8150.5	8408.8	8793.5	9141.0	9332.2	9119.0	8693.8	8203.8	8021.9	8038.1
52.5°	8266.3	8303.4	8553.7	8954.5	9365.8	9674.0	9544.2	9119.0	8634.8	8457.5	8477.2
55°	8165.5	8193.3	8493.4	8990.4	9504.8	9884.8	9904.5	9535.0	9057.6	8902.4	8958.0
57.5°	7706.8	7741.5	8107.6	8758.7	9522.2	10027.3	10175.6	9920.8	9452.7	9326.4	9358.9
60°	6989.6	7011.6	7402.0	8134.3	9183.9	10086.4	10348.3	10235.9	9839.7	9713.4	9757.4
62.5°	5711.7	5744.1	6211.0	7192.3	8469.1	9911.5	10515.1	10496.6	10200.0	10084.1	10123.5
65°	3904.4	3961.1	4477.8	5718.7	7367.3	9376.2	10666.9	10800.1	10518.6	10372.6	10424.7
67.5°	2357.7	2399.4	2773.6	3775.8	5637.6	8296.5	10510.5	11145.4	10743.3	10508.2	10551.0
68°	2107.4	2145.7	2458.5	3407.3	5214.7	7991.8	10368.0	11184.8	10767.7	10505.8	10544.1
70°	1273.3	1298.7	1508.4	2106.3	3476.8	6339.6	9395.9	11152.3	10922.9	10538.3	10560.3
72.5°	829.5	837.6	872.4	1080.9	1776.1	3545.2	7052.2	10392.3	11155.8	10727.1	10723.6
75°	689.3	684.7	688.2	712.5	875.9	1554.8	4121.0	8209.6	10634.4	10429.4	10356.4
77.5°	582.8	579.3	578.1	579.3	586.2	750.7	1788.8	5113.9	8137.7	9225.6	9290.5
80°	471.5	466.9	482.0	475.0	454.2	466.9	749.6	2127.1	3836.0	4126.8	3867.3
82.5°	342.9	325.6	390.4	371.9	354.5	329.0	413.6	687.0	915.3	627.9	441.4
85°	264.2	245.6	296.6	285.0	243.3	168.0	245.6	336.0	370.7	212.0	166.8
87.5°	107.7	113.5	214.3	169.1	142.5	81.1	100.8	134.4	180.7	90.4	69.5
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)