

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: P317064

Luminaire Tested: **GAN-SA0D-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317064
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-SA0D-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 65652 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 640
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

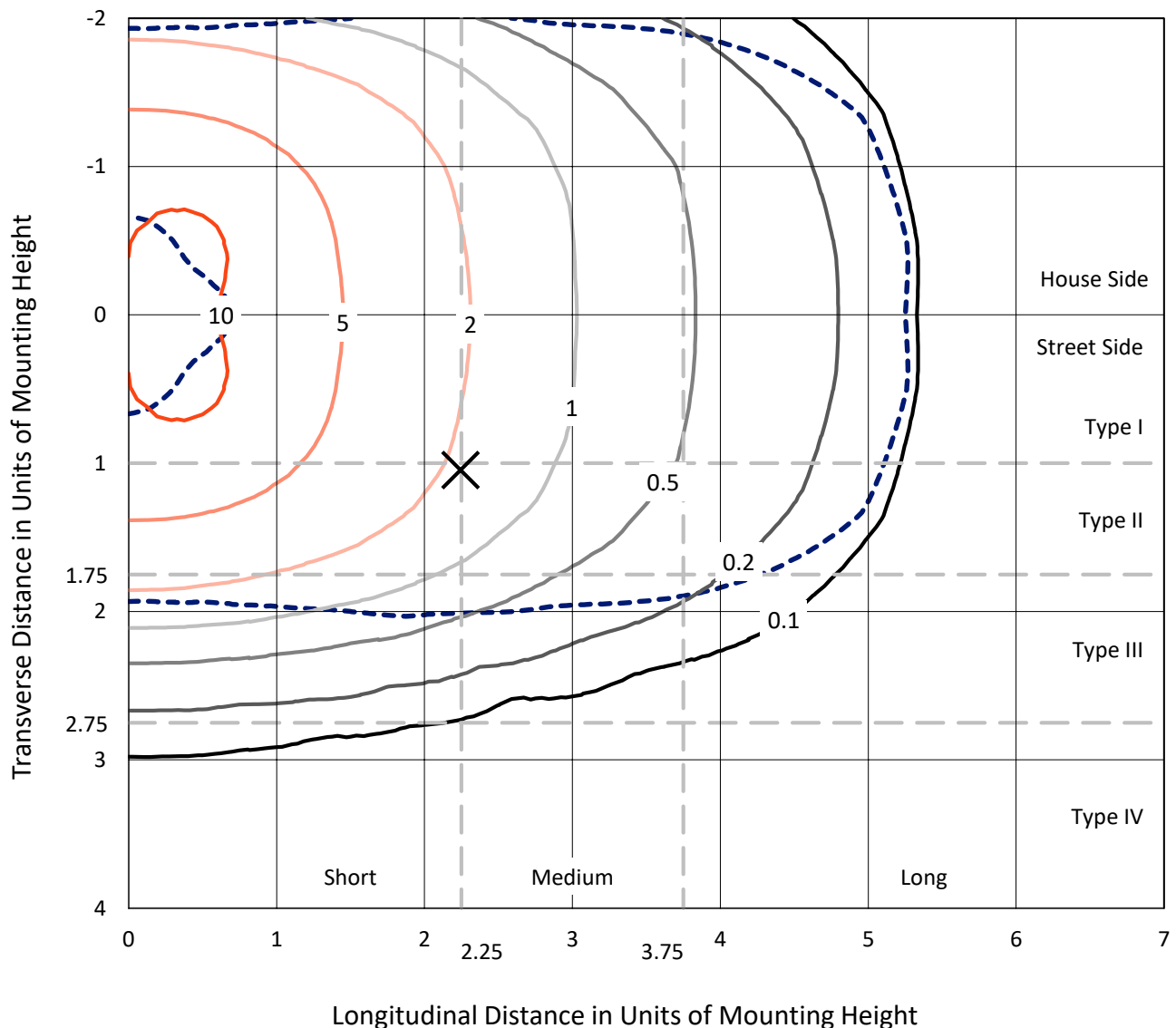


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Iso-Footcandle Lines of Horizontal Illumination

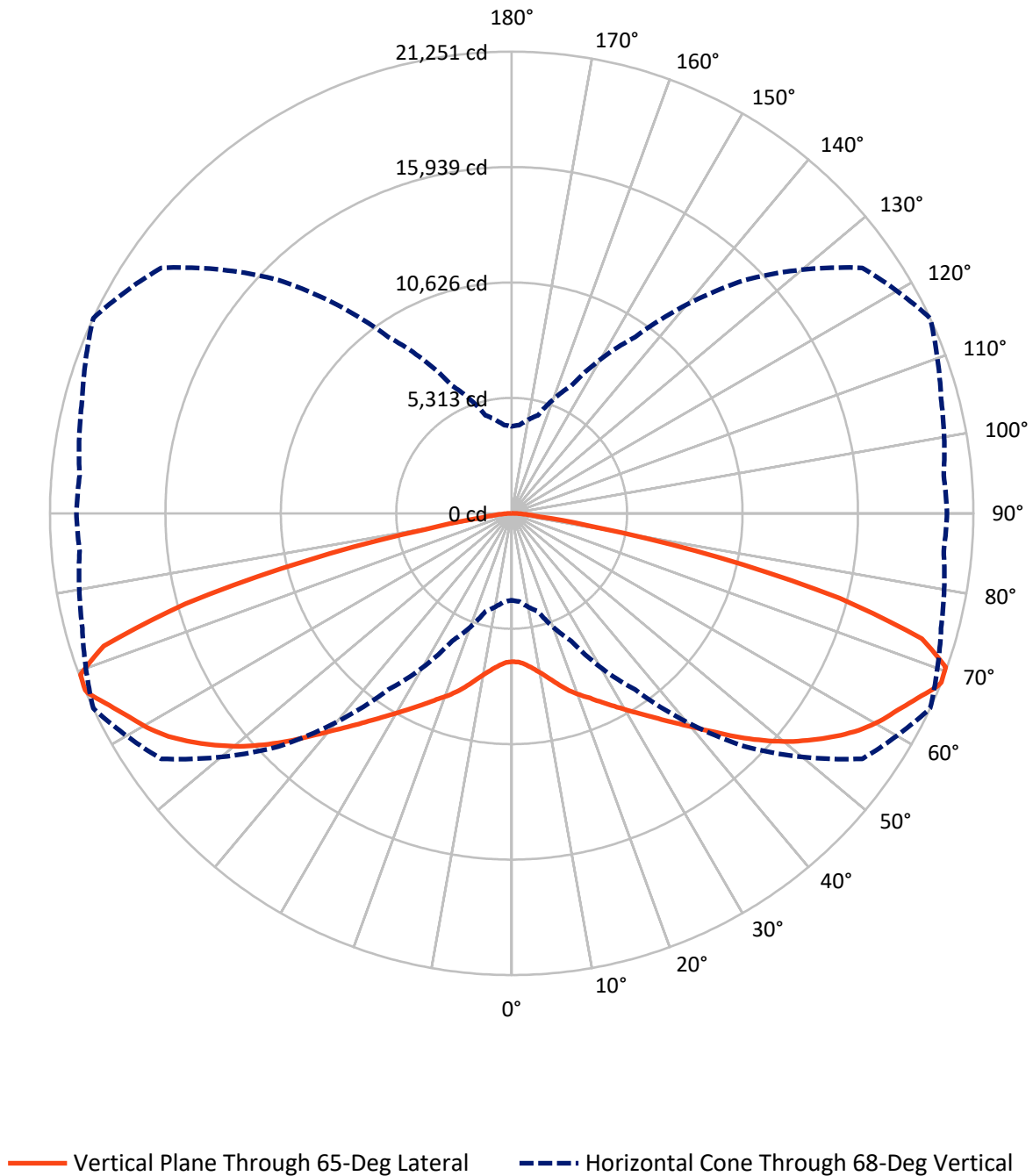
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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	32826.0	0.0	32826.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32826.0	0.0	32826.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65652.0	0.0	65652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.3	1.0
10°-20°	2237.9	3.4
20°-30°	4363.3	6.6
30°-40°	7330.0	11.2
40°-50°	11549.5	17.6
50°-60°	15445.5	23.5
60°-70°	15014.9	22.9
70°-80°	8207.9	12.5
80°-90°	834.8	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°	65652.0	100.0
0°-180°	65652.0	100.0

Coefficient of Utilization



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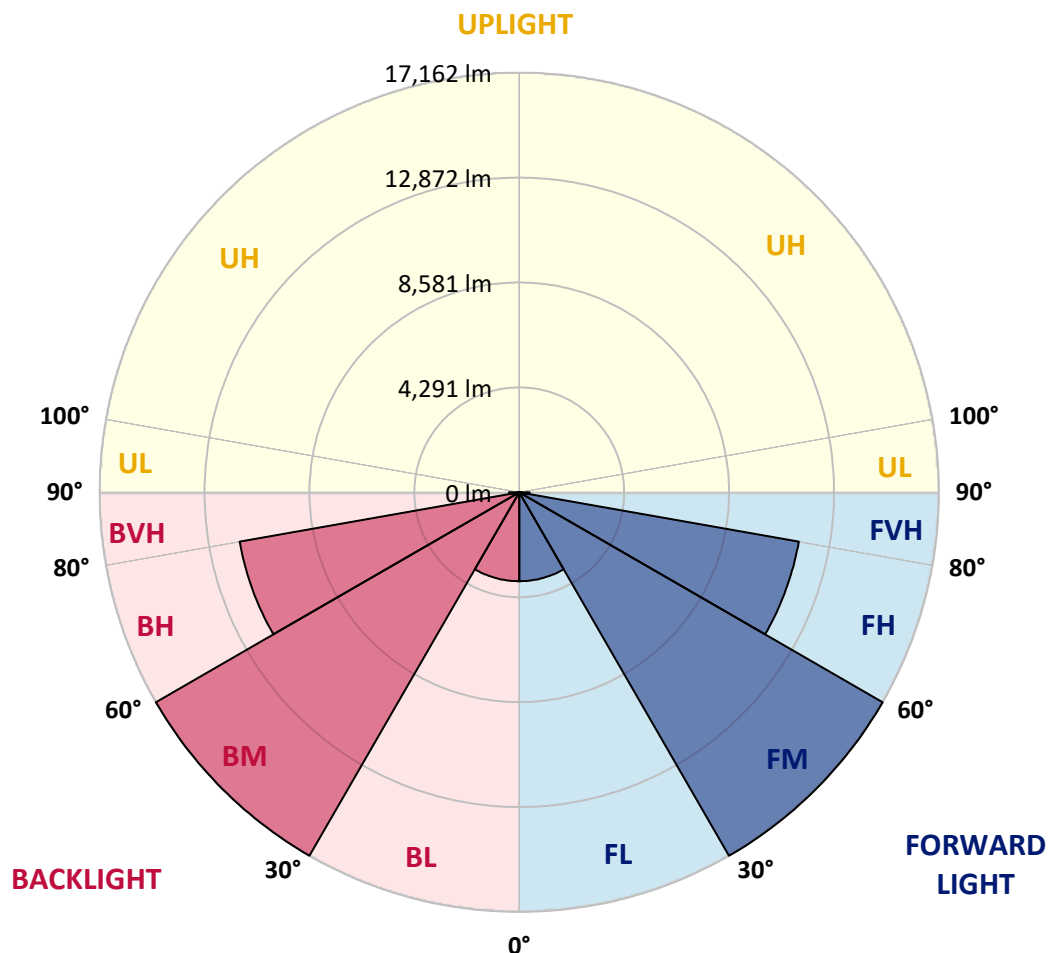
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3634.7	5.5			
FM	(30°-60°)	17162.5	26.1			
FH	(60°-80°)	11611.4	17.7			G4/12000
FVH	(80°-90°)	417.4	0.6			G3/500
BL	(0°-30°)	3634.7	5.5	B4/5000		
BM	(30°-60°)	17162.5	26.1	B5		
BH	(60°-80°)	11611.4	17.7	B5		G5
BVH	(80°-90°)	417.4	0.6			G3/500
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°	6826.3	6826.3	6826.3	6826.3	6826.3	6826.3	6826.3	6826.3	6826.3	6826.3	6826.3
2.5°	6777.8	6780.0	6791.0	6804.3	6815.3	6843.9	6850.5	6861.5	6865.9	6876.9	6876.9
5°	6718.4	6722.8	6749.2	6784.4	6824.1	6894.5	6945.1	7002.4	7031.0	7061.8	7059.6
7.5°	6711.8	6722.8	6760.2	6817.5	6883.5	7000.2	7105.8	7220.3	7297.3	7367.8	7363.4
10°	6780.0	6797.6	6850.5	6936.3	7035.4	7180.7	7337.0	7491.1	7625.3	7733.2	7737.6
12.5°	6883.5	6905.5	6989.2	7119.0	7268.7	7455.8	7640.7	7814.7	7999.6	8160.3	8173.5
15°	7020.0	7048.6	7174.1	7367.8	7596.7	7819.1	8017.2	8195.5	8409.0	8631.3	8653.4
17.5°	7222.5	7262.1	7427.2	7689.2	7990.8	8235.1	8442.0	8576.3	8754.6	8983.5	9025.4
20°	7530.7	7581.3	7790.4	8103.0	8470.6	8726.0	8884.5	8913.1	9001.2	9205.9	9254.3
22.5°	7931.3	7975.3	8208.7	8580.7	8992.4	9269.7	9353.4	9238.9	9230.1	9395.2	9441.4
25°	8378.2	8417.8	8688.6	9106.8	9549.3	9855.3	9853.1	9630.7	9476.6	9604.3	9652.7
27.5°	8880.1	8941.7	9201.5	9641.7	10115.0	10416.6	10399.0	10055.6	9762.8	9795.8	9837.7
30°	9456.8	9525.1	9778.2	10225.1	10698.4	10993.3	10971.3	10517.9	10077.6	9989.5	10020.4
32.5°	10172.3	10253.7	10493.6	10933.9	11352.2	11618.5	11554.7	11019.8	10456.2	10264.7	10293.3
35°	11033.0	11081.4	11334.5	11768.2	12107.2	12289.9	12155.6	11600.9	10936.1	10705.0	10705.0
37.5°	11904.7	11942.1	12226.1	12646.5	12974.5	13071.4	12809.4	12237.1	11563.5	11235.5	11242.1
40°	12741.2	12842.4	13161.6	13593.1	13916.7	13943.1	13595.3	12963.5	12261.3	11922.3	11961.9
42.5°	13615.1	13714.2	14095.0	14583.7	14869.9	14913.9	14506.6	13778.0	13049.4	12774.2	12818.2
45°	14394.4	14473.6	14913.9	15481.8	15838.4	15952.9	15470.8	14711.4	13901.3	13632.7	13643.7
47.5°	14938.1	15041.6	15525.8	16195.0	16714.5	16890.7	16417.4	15620.5	14740.0	14414.2	14442.8
50°	15431.2	15486.2	15977.1	16707.9	17368.3	17731.6	17326.5	16518.6	15587.5	15241.9	15272.7
52.5°	15706.3	15776.8	16252.3	17013.9	17795.4	18380.9	18134.4	17326.5	16406.4	16069.6	16107.0
55°	15514.8	15567.7	16137.8	17082.2	18059.5	18781.6	18819.0	18116.8	17209.8	16914.9	17020.5
57.5°	14643.1	14709.2	15404.8	16641.9	18092.6	19052.3	19334.1	18849.8	17960.5	17720.5	17782.2
60°	13280.5	13322.3	14064.2	15455.4	17449.8	19164.6	19662.1	19448.6	18695.7	18455.8	18539.4
62.5°	10852.5	10914.1	11801.2	13665.7	16091.6	18832.2	19979.1	19943.9	19380.3	19160.2	19235.0
65°	7418.4	7526.3	8508.1	10865.7	13998.1	17815.2	20267.5	20520.6	19985.7	19708.3	19807.4
67.5°	4479.7	4558.9	5269.9	7174.1	10711.6	15763.6	19970.3	21176.6	20412.8	19965.9	20047.3
68°	4004.2	4076.8	4671.2	6474.1	9908.1	15184.6	19699.5	21251.4	20459.0	19961.5	20034.1
70°	2419.2	2467.7	2866.1	4002.0	6606.1	12045.6	17852.6	21189.8	20754.0	20023.1	20064.9
72.5°	1576.1	1591.5	1657.6	2053.8	3374.6	6736.0	13399.4	19745.8	21196.4	20381.9	20375.3
75°	1309.8	1301.0	1307.6	1353.8	1664.2	2954.2	7830.1	15598.5	20205.8	19816.2	19677.5
77.5°	1107.3	1100.7	1098.5	1100.7	1113.9	1426.4	3398.8	9716.6	15462.0	17529.0	17652.3
80°	895.9	887.1	915.7	902.5	862.9	887.1	1424.2	4041.6	7288.5	7841.1	7348.0
82.5°	651.6	618.6	741.8	706.6	673.6	625.2	785.9	1305.4	1739.0	1193.1	838.7
85°	501.9	466.7	563.5	541.5	462.3	319.2	466.7	638.4	704.4	402.8	317.0
87.5°	204.7	215.7	407.2	321.4	270.8	154.1	191.5	255.4	343.4	171.7	132.1
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)