

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: P317184

Luminaire Tested: **GAN-SA0D-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317184
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 78503 lumens
Efficiency: N/A
Efficacy: 122.7 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 (A_{in}): 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

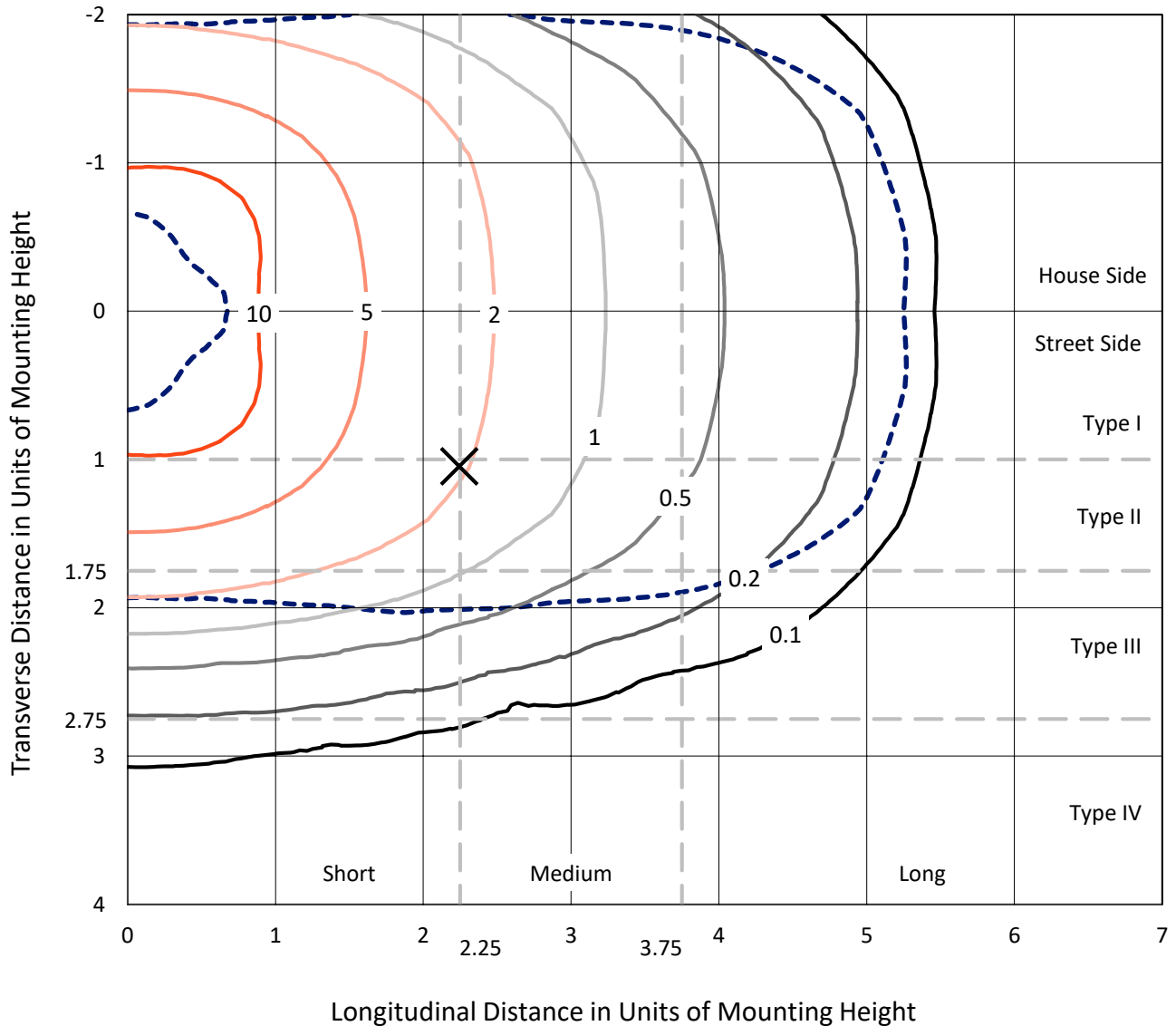




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Iso-Footcandle Lines of Horizontal Illumination

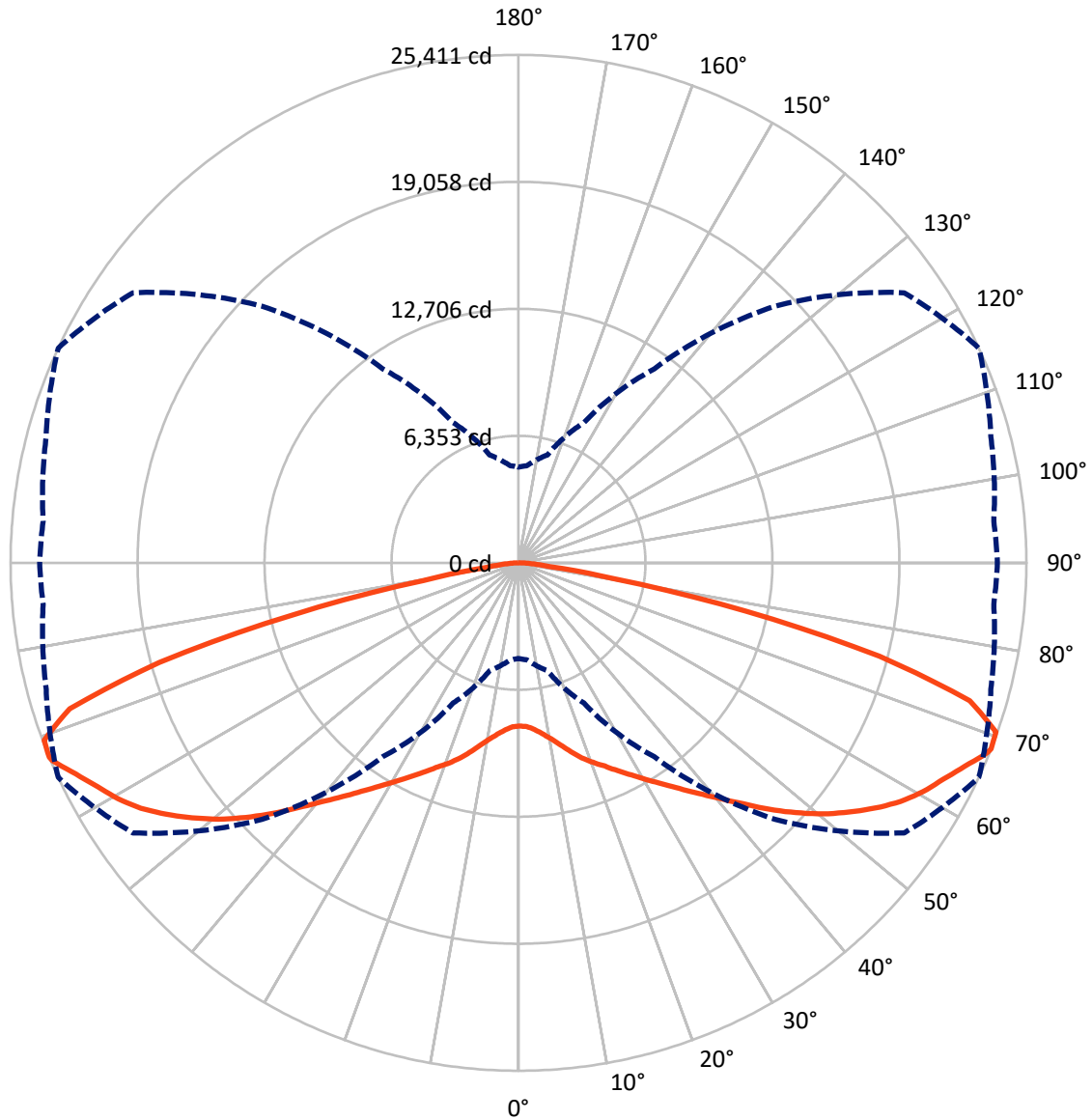
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39251.5	0.0	39251.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	39251.5	0.0	39251.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	78503.0	0.0	78503.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.1	1.0
10°-20°	2675.9	3.4
20°-30°	5217.4	6.6
30°-40°	8764.8	11.2
40°-50°	13810.2	17.6
50°-60°	18468.8	23.5
60°-70°	17954.0	22.9
70°-80°	9814.5	12.5
80°-90°	998.2	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°	78503.0	100.0
0°-180°	78503.0	100.0

Coefficient of Utilization

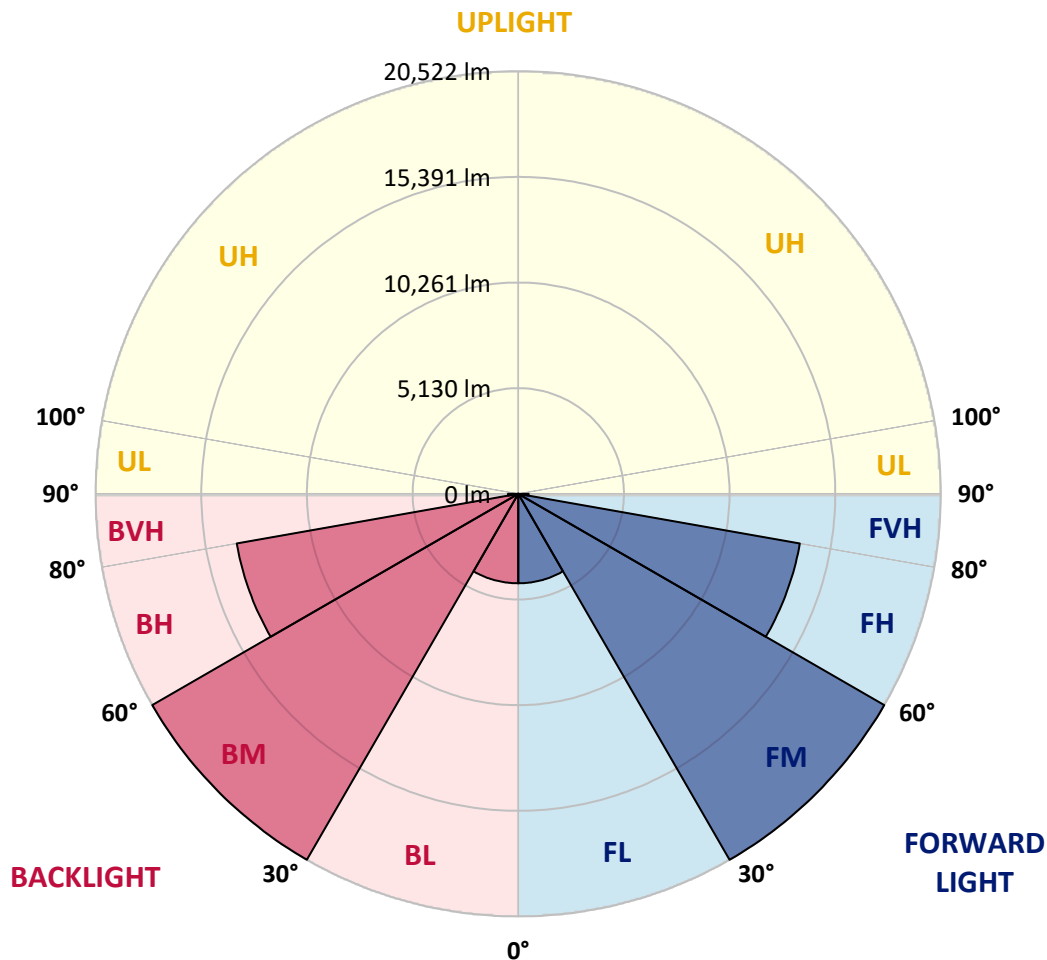


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4346.2	5.5			
FM (30°-60°)	20521.9	26.1			
FH (60°-80°)	13884.3	17.7			G5
FVH (80°-90°)	499.1	0.6			G3/500
BL (0°-30°)	4346.2	5.5	B4/5000		
BM (30°-60°)	20521.9	26.1	B5		
BH (60°-80°)	13884.3	17.7	B5		G5
BVH (80°-90°)	499.1	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°	8162.5	8162.5	8162.5	8162.5	8162.5	8162.5	8162.5	8162.5	8162.5	8162.5	8162.5
2.5°	8104.6	8107.2	8120.3	8136.1	8149.3	8183.5	8191.4	8204.6	8209.8	8223.0	8223.0
5°	8033.5	8038.8	8070.3	8112.5	8159.8	8244.1	8304.6	8373.0	8407.3	8444.1	8441.5
7.5°	8025.6	8038.8	8083.5	8151.9	8230.9	8370.4	8496.8	8633.6	8725.8	8810.0	8804.7
10°	8107.2	8128.2	8191.4	8294.1	8412.5	8586.2	8773.1	8957.4	9118.0	9246.9	9252.2
12.5°	8230.9	8257.2	8357.2	8512.5	8691.5	8915.3	9136.4	9344.3	9565.4	9757.6	9773.4
15°	8394.1	8428.3	8578.4	8810.0	9083.7	9349.6	9586.5	9799.7	10055.0	10320.9	10347.2
17.5°	8636.3	8683.6	8881.1	9194.3	9554.9	9847.1	10094.5	10255.1	10468.3	10742.0	10792.0
20°	9004.8	9065.3	9315.4	9689.1	10128.7	10434.1	10623.6	10657.8	10763.1	11007.9	11065.8
22.5°	9483.8	9536.5	9815.5	10260.3	10752.6	11084.2	11184.2	11047.4	11036.8	11234.2	11289.5
25°	10018.2	10065.5	10389.3	10889.4	11418.5	11784.4	11781.7	11515.9	11331.6	11484.3	11542.2
27.5°	10618.3	10692.0	11002.6	11529.1	12095.0	12455.6	12434.5	12023.9	11673.8	11713.3	11763.3
30°	11307.9	11389.5	11692.3	12226.6	12792.5	13145.2	13118.9	12576.7	12050.2	11944.9	11981.8
32.5°	12163.4	12260.8	12547.7	13074.2	13574.3	13892.8	13816.4	13176.8	12503.0	12274.0	12308.2
35°	13192.6	13250.5	13553.2	14071.8	14477.1	14695.6	14535.0	13871.7	13076.8	12800.4	12800.4
37.5°	14235.0	14279.7	14619.3	15122.0	15514.2	15630.0	15316.8	14632.4	13827.0	13434.8	13442.7
40°	15235.2	15356.3	15737.9	16253.9	16640.8	16672.4	16256.5	15501.0	14661.4	14256.0	14303.4
42.5°	16280.2	16398.6	16854.0	17438.4	17780.5	17833.2	17346.2	16475.0	15603.7	15274.7	15327.3
45°	17212.0	17306.7	17833.2	18512.3	18938.7	19075.6	18499.1	17591.0	16622.4	16301.2	16314.4
47.5°	17862.1	17985.9	18564.9	19365.1	19986.3	20196.9	19631.0	18678.1	17625.2	17235.7	17269.9
50°	18451.8	18517.6	19104.5	19978.4	20768.1	21202.4	20718.1	19752.1	18638.6	18225.4	18262.2
52.5°	18780.8	18865.0	19433.6	20344.3	21278.7	21978.9	21684.1	20718.1	19617.8	19215.1	19259.8
55°	18551.8	18614.9	19296.7	20425.9	21594.6	22458.0	22502.7	21663.0	20578.6	20225.9	20352.2
57.5°	17509.4	17588.4	18420.2	19899.5	21634.1	22781.7	23118.6	22539.6	21476.2	21189.2	21262.9
60°	15880.1	15930.1	16817.2	18480.7	20865.5	22916.0	23510.8	23255.5	22355.3	22068.4	22168.4
62.5°	12976.8	13050.5	14111.2	16340.7	19241.4	22518.5	23889.9	23847.8	23173.9	22910.7	23000.2
65°	8870.5	8999.5	10173.5	12992.6	16738.2	21302.4	24234.7	24537.4	23897.8	23566.1	23684.6
67.5°	5356.5	5451.3	6301.5	8578.4	12808.3	18849.2	23879.4	25321.8	24408.4	23874.1	23971.5
68°	4788.0	4874.8	5585.5	7741.3	11847.6	18156.9	23555.6	25411.3	24463.7	23868.8	23955.7
70°	2892.8	2950.7	3427.1	4785.3	7899.2	14403.4	21347.2	25337.6	24816.4	23942.5	23992.5
72.5°	1884.7	1903.1	1982.0	2455.8	4035.2	8054.5	16022.2	23610.9	25345.5	24371.6	24363.7
75°	1566.2	1555.6	1563.5	1618.8	1989.9	3532.4	9362.7	18651.8	24161.0	23695.1	23529.3
77.5°	1324.0	1316.1	1313.5	1316.1	1331.9	1705.7	4064.1	11618.5	18488.6	20960.2	21107.6
80°	1071.3	1060.8	1095.0	1079.2	1031.8	1060.8	1703.0	4832.7	8715.2	9375.9	8786.3
82.5°	779.1	739.6	887.1	844.9	805.5	747.5	939.7	1560.9	2079.4	1426.7	1002.9
85°	600.1	558.0	673.8	647.5	552.8	381.7	558.0	763.3	842.3	481.7	379.0
87.5°	244.8	258.0	487.0	384.3	323.8	184.3	229.0	305.3	410.6	205.3	157.9
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)