

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: P317144

Luminaire Tested: **GAN-SA0D-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317144  
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-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 78504 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

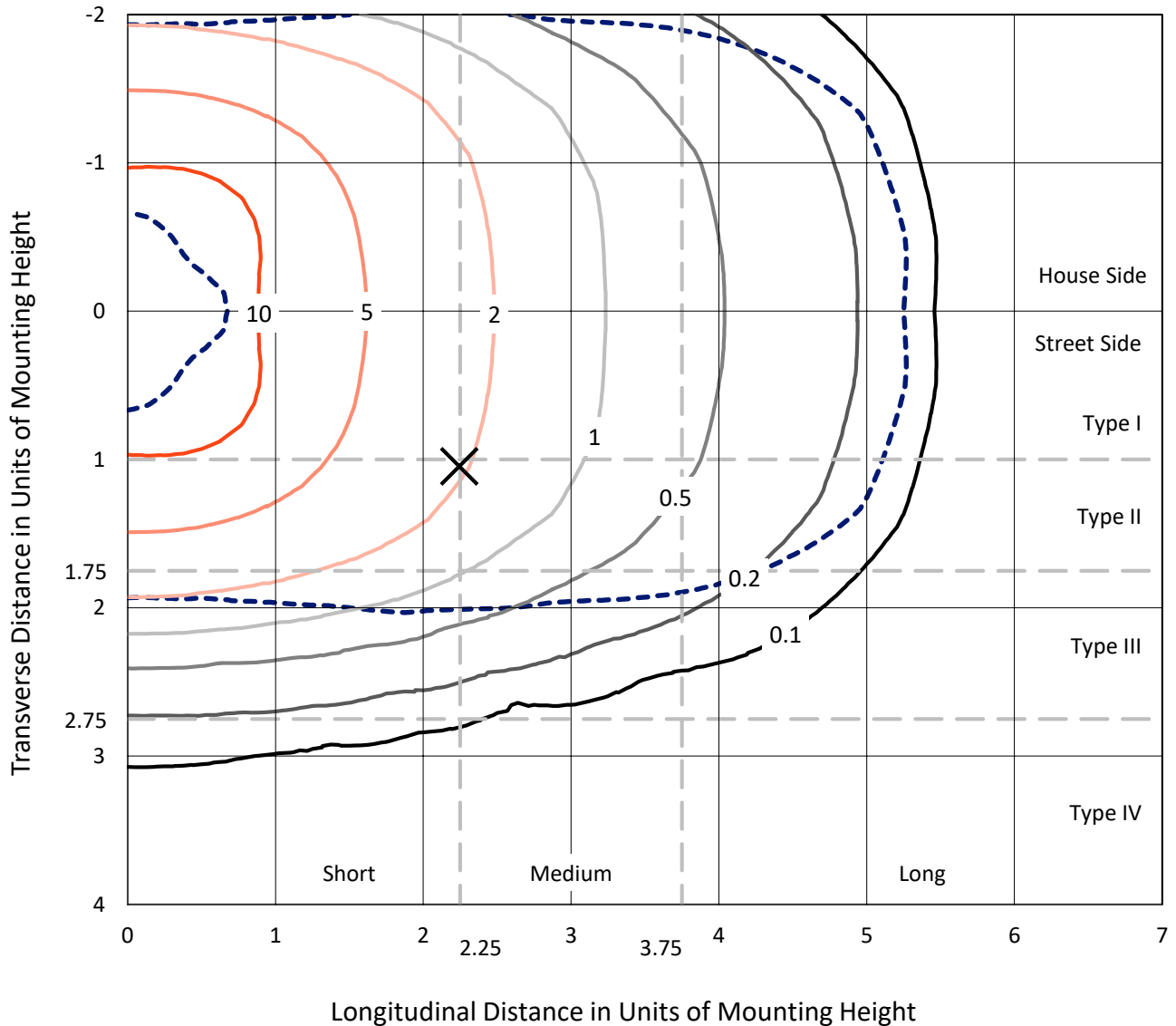
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

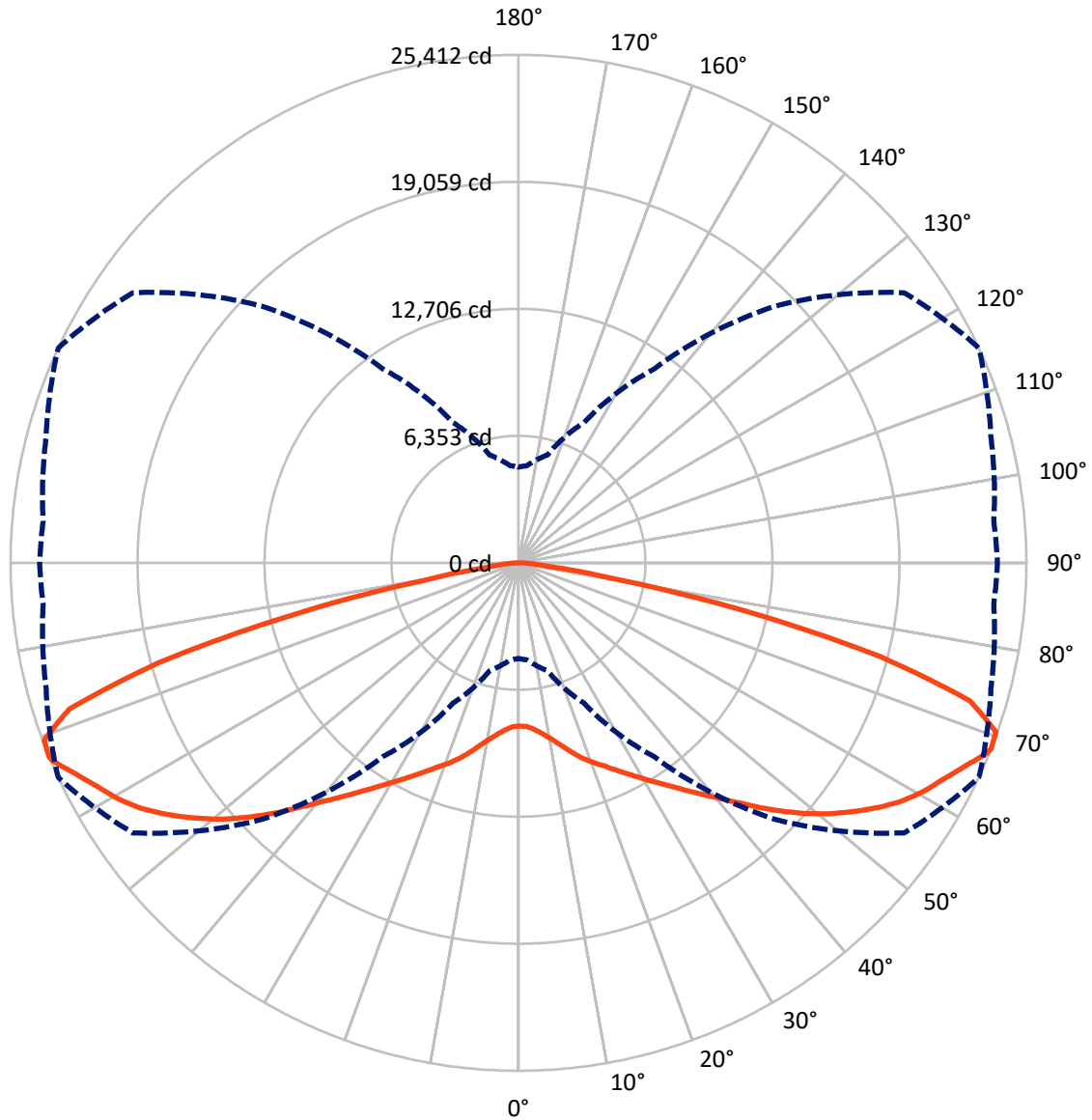
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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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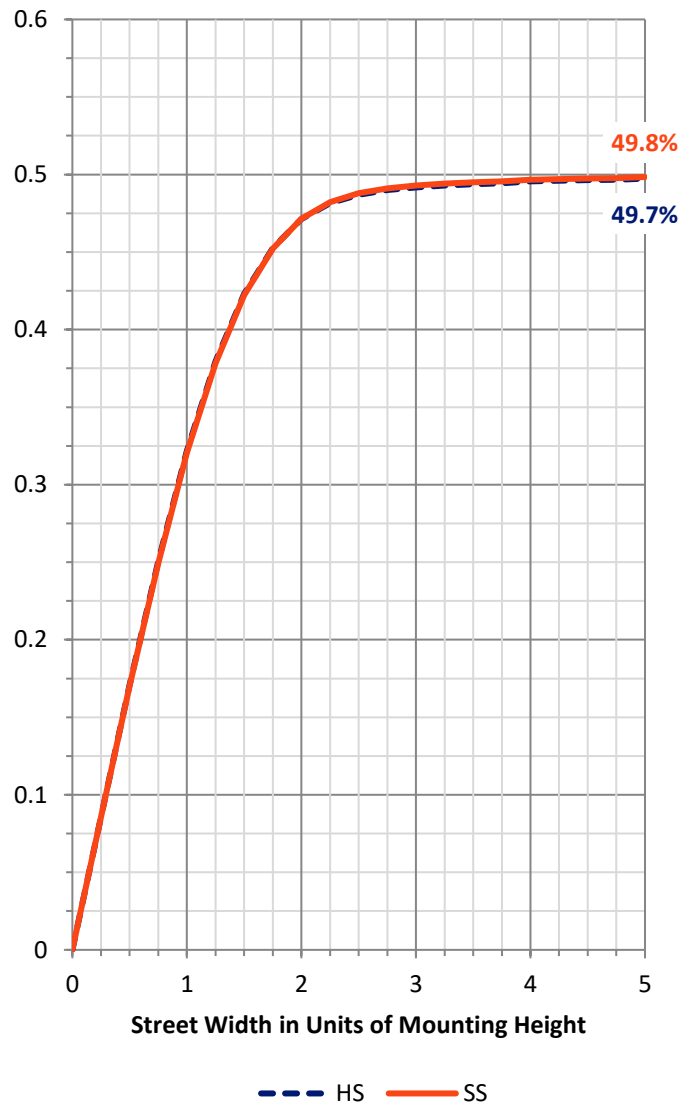
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	39252.0	0.0	39252.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	39252.0	0.0	39252.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	78504.0	0.0	78504.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	799.2	1.0
10°-20°	2676.0	3.4
20°-30°	5217.4	6.6
30°-40°	8764.9	11.2
40°-50°	13810.4	17.6
50°-60°	18469.1	23.5
60°-70°	17954.2	22.9
70°-80°	9814.7	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°	78504.0	100.0
0°-180°	78504.0	100.0

**Coefficient of Utilization**



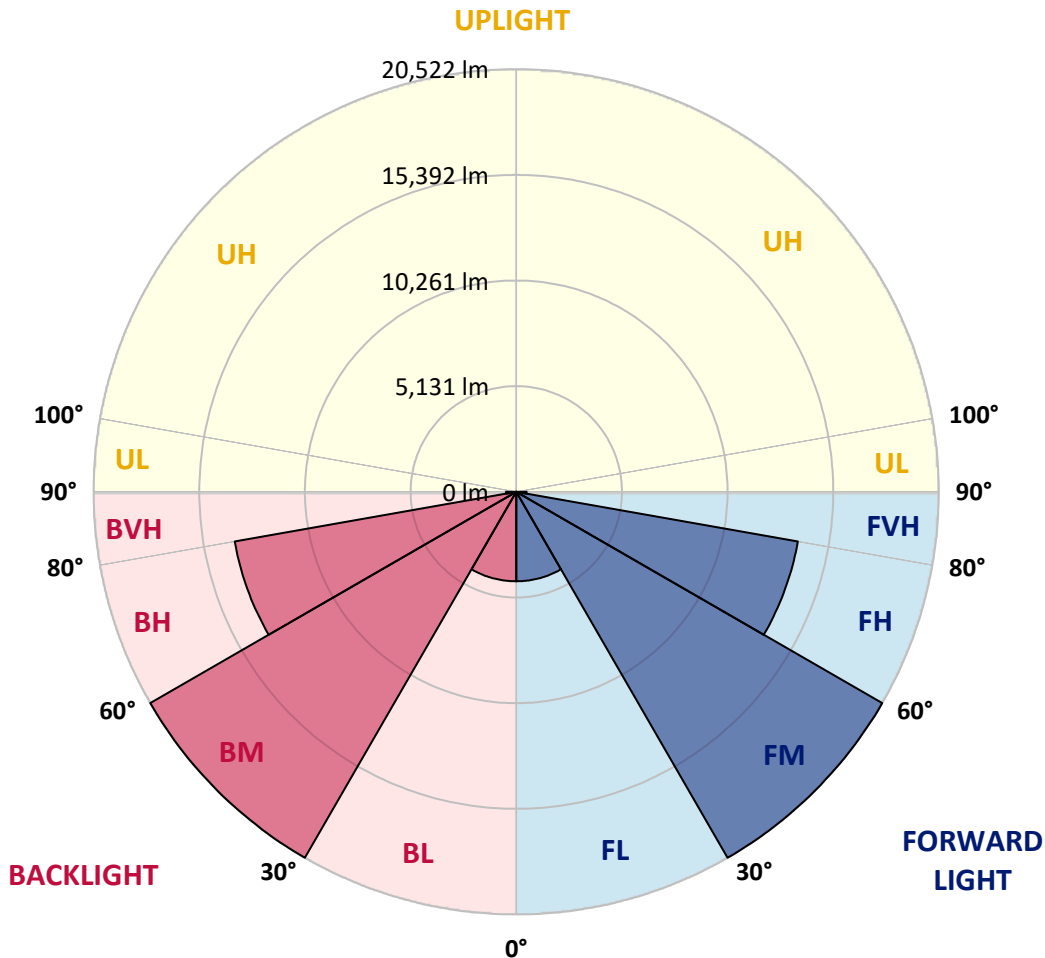
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4346.3	5.5			
FM (30°-60°)	20522.2	26.1			
FH (60°-80°)	13884.5	17.7			G5
FVH (80°-90°)	499.1	0.6			G3/500
BL (0°-30°)	4346.3	5.5	B4/5000		
BM (30°-60°)	20522.2	26.1	B5		
BH (60°-80°)	13884.5	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°	8162.6	8162.6	8162.6	8162.6	8162.6	8162.6	8162.6	8162.6	8162.6	8162.6	8162.6
2.5°	8104.7	8107.3	8120.5	8136.2	8149.4	8183.6	8191.5	8204.7	8209.9	8223.1	8223.1
5°	8033.6	8038.9	8070.4	8112.6	8159.9	8244.2	8304.7	8373.1	8407.4	8444.2	8441.6
7.5°	8025.7	8038.9	8083.6	8152.0	8231.0	8370.5	8496.9	8633.7	8725.9	8810.1	8804.8
10°	8107.3	8128.3	8191.5	8294.2	8412.6	8586.4	8773.2	8957.5	9118.1	9247.1	9252.3
12.5°	8231.0	8257.3	8357.4	8512.7	8691.6	8915.4	9136.5	9344.4	9565.6	9757.7	9773.5
15°	8394.2	8428.4	8578.5	8810.1	9083.9	9349.7	9586.6	9799.8	10055.1	10321.0	10347.3
17.5°	8636.4	8683.8	8881.2	9194.4	9555.0	9847.2	10094.6	10255.2	10468.4	10742.2	10792.2
20°	9004.9	9065.4	9315.5	9689.3	10128.9	10434.2	10623.7	10657.9	10763.2	11008.0	11065.9
22.5°	9484.0	9536.6	9815.6	10260.5	10752.7	11084.4	11184.4	11047.5	11037.0	11234.4	11289.7
25°	10018.3	10065.7	10389.4	10889.6	11418.6	11784.5	11781.9	11516.0	11331.8	11484.5	11542.4
27.5°	10618.4	10692.1	11002.8	11529.2	12095.1	12455.7	12434.7	12024.1	11674.0	11713.5	11763.5
30°	11308.1	11389.7	11692.4	12226.7	12792.7	13145.4	13119.1	12576.8	12050.4	11945.1	11981.9
32.5°	12163.6	12261.0	12547.9	13074.3	13574.4	13893.0	13816.6	13177.0	12503.1	12274.1	12308.3
35°	13192.8	13250.7	13553.4	14071.9	14477.3	14695.8	14535.2	13871.9	13077.0	12800.6	12800.6
37.5°	14235.1	14279.9	14619.4	15122.2	15514.4	15630.2	15317.0	14632.6	13827.1	13434.9	13442.8
40°	15235.4	15356.5	15738.1	16254.1	16641.0	16672.6	16256.7	15501.2	14661.6	14256.2	14303.6
42.5°	16280.4	16398.8	16854.2	17438.6	17780.8	17833.4	17346.4	16475.2	15603.9	15274.9	15327.5
45°	17212.2	17307.0	17833.4	18512.5	18938.9	19075.8	18499.4	17591.2	16622.6	16301.4	16314.6
47.5°	17862.4	17986.1	18565.2	19365.4	19986.6	20197.2	19631.2	18678.4	17625.5	17235.9	17270.1
50°	18452.0	18517.8	19104.8	19978.7	20768.4	21202.7	20718.3	19752.3	18638.9	18225.6	18262.5
52.5°	18781.0	18865.2	19433.8	20344.6	21279.0	21979.2	21684.4	20718.3	19618.1	19215.3	19260.1
55°	18552.0	18615.2	19296.9	20426.2	21594.9	22458.3	22503.0	21663.3	20578.8	20226.1	20352.5
57.5°	17509.6	17588.6	18420.4	19899.7	21634.4	22782.0	23118.9	22539.9	21476.4	21189.5	21263.2
60°	15880.3	15930.3	16817.4	18480.9	20865.7	22916.3	23511.1	23255.8	22355.6	22068.7	22168.7
62.5°	12976.9	13050.6	14111.4	16340.9	19241.7	22518.8	23890.2	23848.1	23174.2	22911.0	23000.5
65°	8870.6	8999.6	10173.6	12992.7	16738.4	21302.7	24235.0	24537.7	23898.1	23566.4	23684.9
67.5°	5356.6	5451.4	6301.6	8578.5	12808.5	18849.5	23879.7	25322.1	24408.7	23874.4	23971.8
68°	4788.0	4874.9	5585.6	7741.4	11847.7	18157.2	23555.9	25411.6	24464.0	23869.1	23956.0
70°	2892.8	2950.7	3427.2	4785.4	7899.3	14403.6	21347.4	25337.9	24816.7	23942.8	23992.8
72.5°	1884.7	1903.1	1982.1	2455.9	4035.2	8054.6	16022.4	23611.2	25345.8	24371.9	24364.0
75°	1566.2	1555.7	1563.5	1618.8	1990.0	3532.5	9362.9	18652.0	24161.3	23695.4	23529.6
77.5°	1324.0	1316.1	1313.5	1316.1	1331.9	1705.7	4064.2	11618.7	18488.8	20960.5	21107.9
80°	1071.3	1060.8	1095.0	1079.2	1031.8	1060.8	1703.1	4832.8	8715.3	9376.0	8786.4
82.5°	779.1	739.7	887.1	844.9	805.5	747.6	939.7	1560.9	2079.5	1426.7	1002.9
85°	600.2	558.0	673.9	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)