

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: P317141

Luminaire Tested: **GAN-SA7D-740-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317141  
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-SA7D-740-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 56100 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

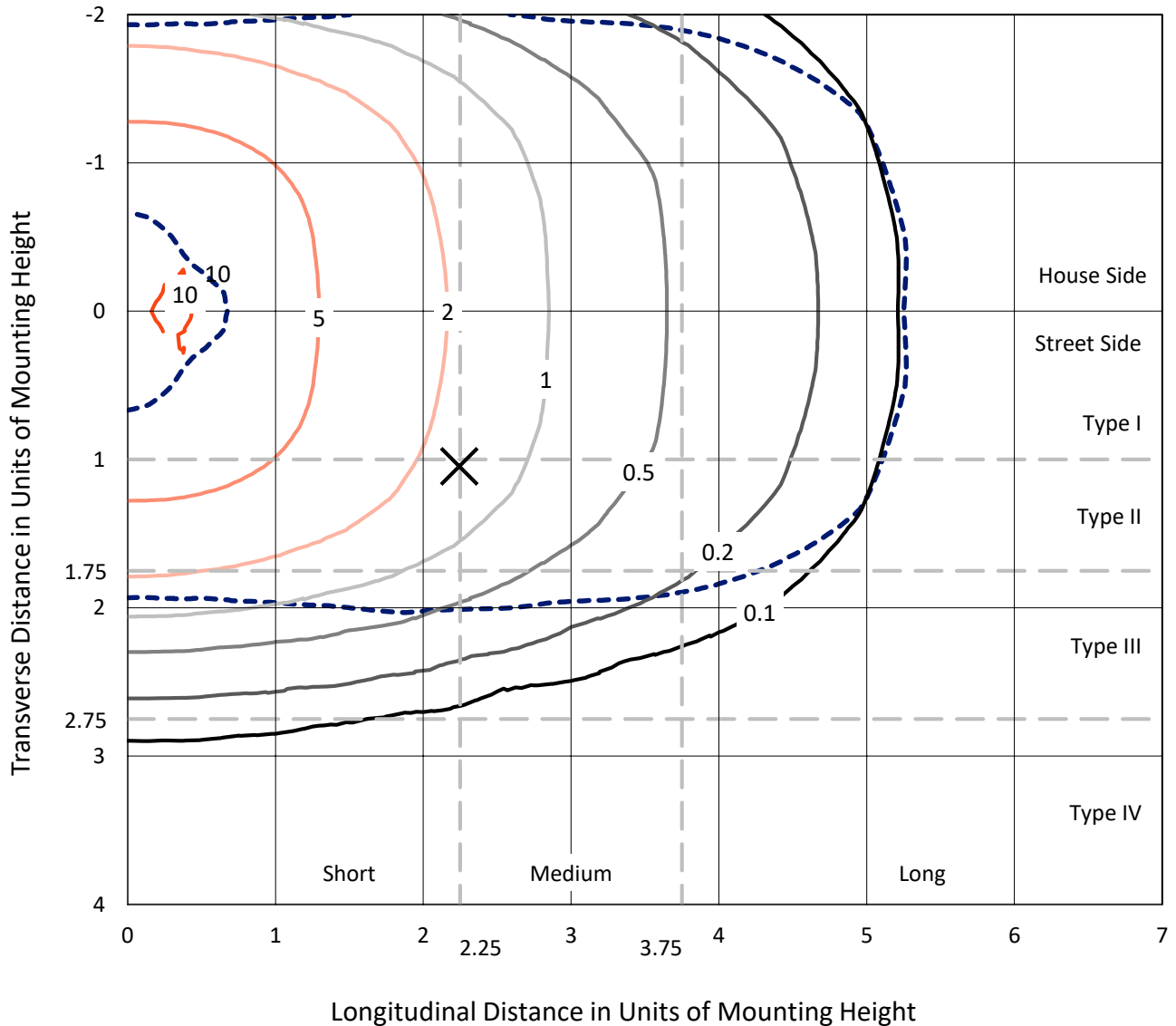
Input Watts (W): 448  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

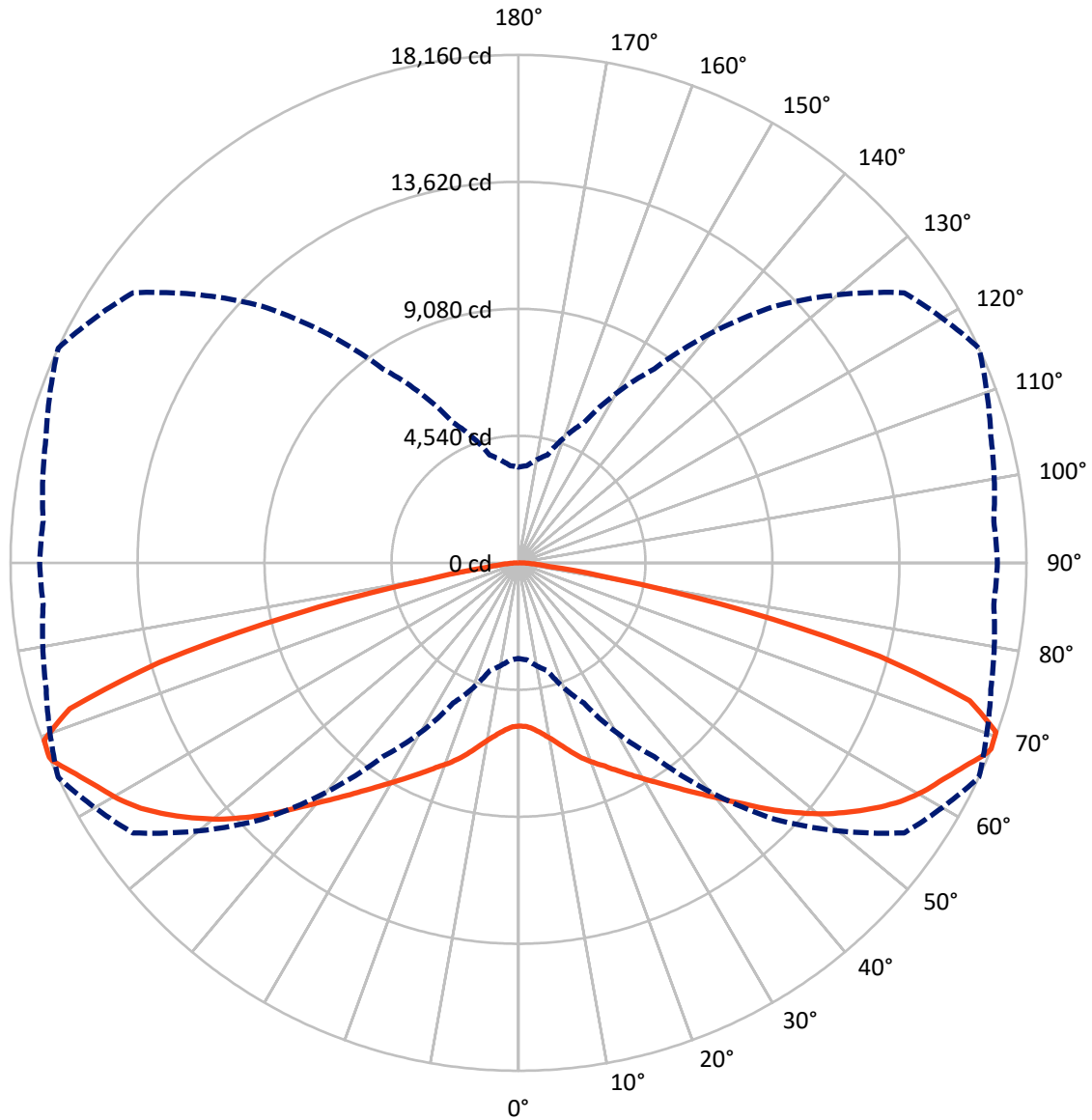
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	28050.0	0.0	28050.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28050.0	0.0	28050.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56100.0	0.0	56100.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	571.1	1.0
10°-20°	1912.3	3.4
20°-30°	3728.5	6.6
30°-40°	6263.5	11.2
40°-50°	9869.1	17.6
50°-60°	13198.2	23.5
60°-70°	12830.3	22.9
70°-80°	7013.7	12.5
80°-90°	713.3	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°	56100.0	100.0
0°-180°	56100.0	100.0

**Coefficient of Utilization**

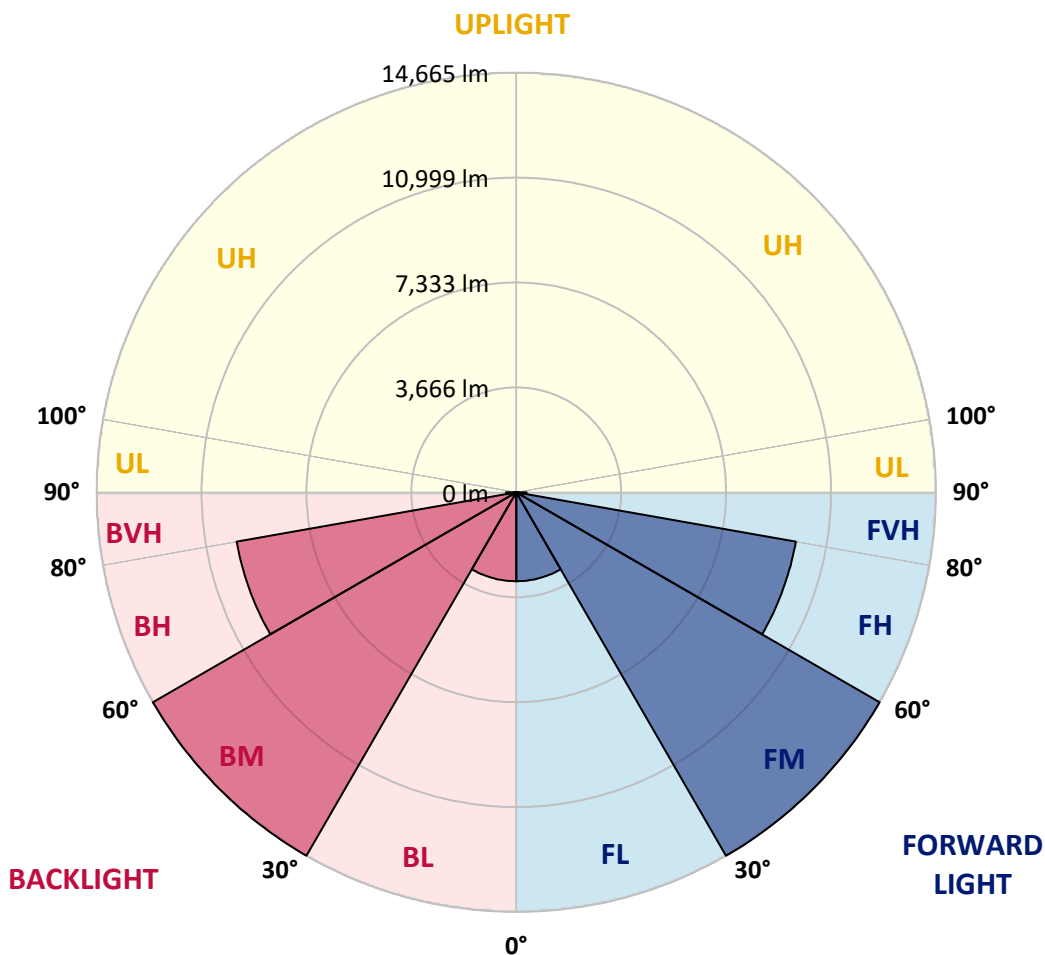


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3105.9	5.5			
FM (30°-60°)	14665.4	26.1			
FH (60°-80°)	9922.0	17.7			G4/12000
FVH (80°-90°)	356.7	0.6			G3/500
BL (0°-30°)	3105.9	5.5	B4/5000		
BM (30°-60°)	14665.4	26.1	B5		
BH (60°-80°)	9922.0	17.7	B5		G5
BVH (80°-90°)	356.7	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°	5833.1	5833.1	5833.1	5833.1	5833.1	5833.1	5833.1	5833.1	5833.1	5833.1	5833.1
2.5°	5791.7	5793.6	5803.0	5814.3	5823.7	5848.1	5853.8	5863.2	5866.9	5876.3	5876.3
5°	5740.9	5744.7	5767.2	5797.3	5831.2	5891.4	5934.7	5983.6	6008.0	6034.4	6032.5
7.5°	5735.3	5744.7	5776.6	5825.6	5882.0	5981.7	6072.0	6169.8	6235.6	6295.8	6292.1
10°	5793.6	5808.6	5853.8	5927.1	6011.8	6135.9	6269.5	6401.2	6515.9	6608.1	6611.8
12.5°	5882.0	5900.8	5972.3	6083.3	6211.2	6371.1	6529.1	6677.7	6835.7	6973.0	6984.3
15°	5998.6	6023.1	6130.3	6295.8	6491.4	6681.4	6850.7	7003.1	7185.5	7375.5	7394.3
17.5°	6171.7	6205.5	6346.6	6570.4	6828.1	7036.9	7213.8	7328.5	7480.9	7676.5	7712.2
20°	6435.0	6478.3	6657.0	6924.1	7238.2	7456.4	7591.8	7616.3	7691.5	7866.5	7907.9
22.5°	6777.4	6815.0	7014.4	7332.3	7684.0	7921.0	7992.5	7894.7	7887.2	8028.2	8067.7
25°	7159.2	7193.1	7424.4	7781.8	8159.9	8421.4	8419.5	8229.5	8097.8	8206.9	8248.3
27.5°	7588.1	7640.8	7862.7	8238.9	8643.3	8901.0	8886.0	8592.6	8342.4	8370.6	8406.3
30°	8080.9	8139.2	8355.5	8737.4	9141.8	9393.9	9375.1	8987.6	8611.4	8536.1	8562.5
32.5°	8692.2	8761.8	8966.9	9343.1	9700.5	9928.1	9873.5	9416.4	8934.9	8771.3	8795.7
35°	9427.7	9469.1	9685.4	10056.0	10345.7	10501.8	10387.1	9913.0	9345.0	9147.5	9147.5
37.5°	10172.6	10204.6	10447.3	10806.5	11086.8	11169.6	10945.7	10456.7	9881.1	9600.8	9606.4
40°	10887.4	10973.9	11246.7	11615.4	11891.9	11914.5	11617.3	11077.4	10477.3	10187.7	10221.5
42.5°	11634.2	11718.8	12044.2	12461.8	12706.4	12744.0	12396.0	11773.4	11150.8	10915.6	10953.2
45°	12300.1	12367.8	12744.0	13229.3	13534.0	13631.8	13219.9	12570.9	11878.7	11649.2	11658.6
47.5°	12764.7	12853.1	13266.9	13838.8	14282.7	14433.2	14028.7	13347.8	12595.4	12317.0	12341.5
50°	13186.0	13233.1	13652.5	14277.0	14841.3	15151.7	14805.6	14115.3	13319.6	13024.3	13050.6
52.5°	13421.2	13481.4	13887.7	14538.5	15206.3	15706.6	15495.9	14805.6	14019.3	13731.5	13763.5
55°	13257.5	13302.7	13789.8	14596.8	15432.0	16049.0	16080.9	15480.9	14705.9	14453.8	14544.1
57.5°	12512.6	12569.1	13163.5	14220.6	15460.2	16280.3	16521.1	16107.3	15347.3	15142.3	15195.0
60°	11348.3	11384.0	12017.9	13206.7	14910.9	16376.3	16801.4	16618.9	15975.6	15770.6	15842.1
62.5°	9273.5	9326.2	10084.2	11677.4	13750.3	16092.2	17072.2	17042.1	16560.6	16372.5	16436.5
65°	6339.1	6431.2	7270.2	9284.8	11961.5	15223.2	17318.7	17535.0	17077.9	16840.9	16925.5
67.5°	3827.9	3895.6	4503.2	6130.3	9153.1	13470.1	17064.7	18095.5	17442.8	17061.0	17130.6
68°	3421.6	3483.7	3991.5	5532.1	8466.5	12975.4	16833.4	18159.5	17482.3	17057.2	17119.3
70°	2067.3	2108.6	2449.1	3419.7	5645.0	10293.0	15255.2	18106.8	17734.4	17109.9	17145.6
72.5°	1346.8	1360.0	1416.4	1755.0	2883.6	5756.0	11449.8	16872.9	18112.5	17416.5	17410.8
75°	1119.2	1111.7	1117.3	1156.8	1422.1	2524.3	6690.8	13329.0	17266.0	16933.0	16814.5
77.5°	946.2	940.5	938.6	940.5	951.8	1218.9	2904.3	8302.9	13212.4	14978.7	15084.0
80°	765.6	758.1	782.5	771.2	737.4	758.1	1217.0	3453.6	6228.1	6700.2	6278.9
82.5°	556.8	528.6	633.9	603.8	575.6	534.2	671.5	1115.5	1486.0	1019.5	716.7
85°	428.9	398.8	481.5	462.7	395.0	272.7	398.8	545.5	601.9	344.2	270.9
87.5°	174.9	184.3	348.0	274.6	231.4	131.7	163.6	218.2	293.4	146.7	112.9
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)