

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: P382709

Luminaire Tested: **GAN-SA0D-735-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-735-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71042.6 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

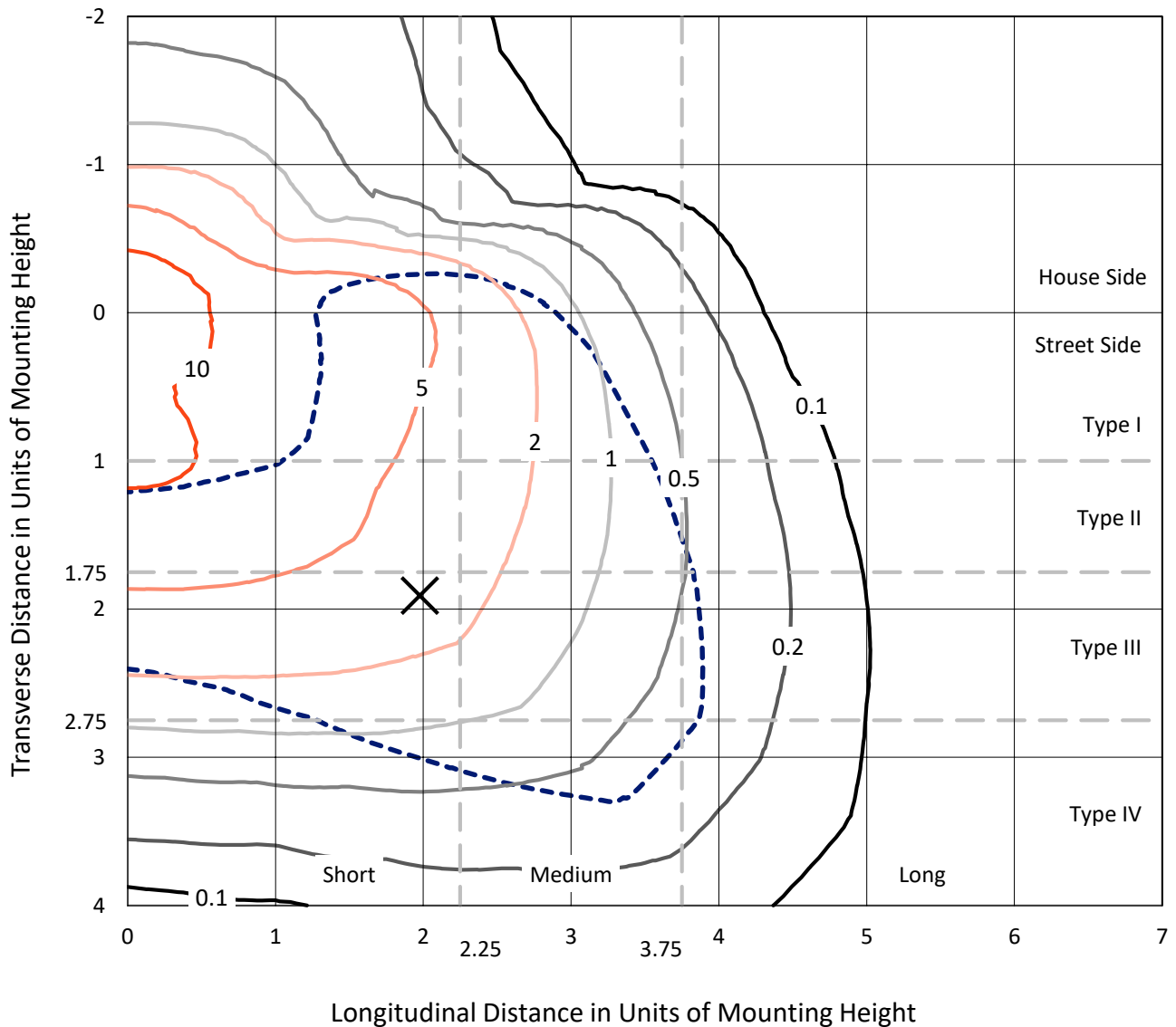
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

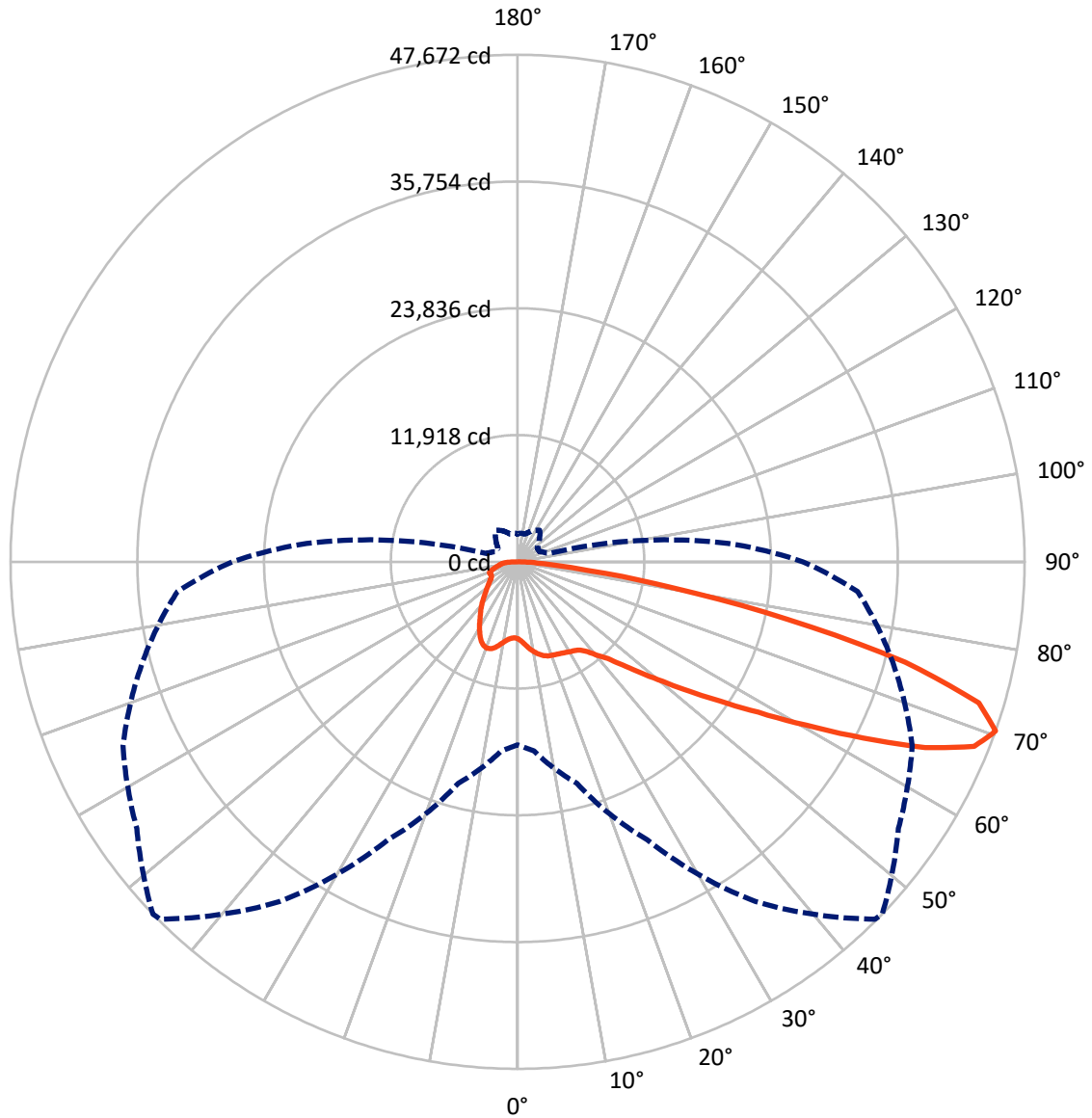
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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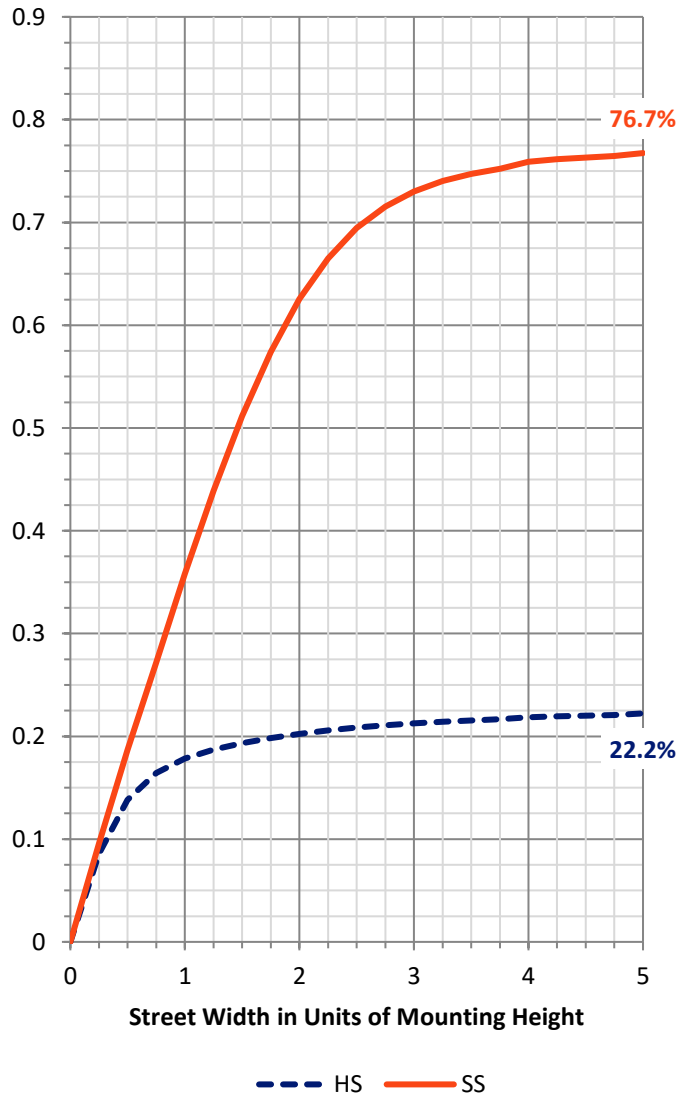
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16282.8	0.0	16282.8
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	54759.9	0.0	54759.9
	% Fixture	77.1	0.0	77.1
Total	Lumens	71042.6	0.0	71042.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.8	1.0
10°-20°	2458.3	3.5
20°-30°	4098.9	5.8
30°-40°	5816.6	8.2
40°-50°	8555.9	12.0
50°-60°	14489.4	20.4
60°-70°	20567.4	29.0
70°-80°	12494.9	17.6
80°-90°	1823.5	2.6
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°	71042.6	100.0
0°-180°	71042.6	100.0

Coefficient of Utilization

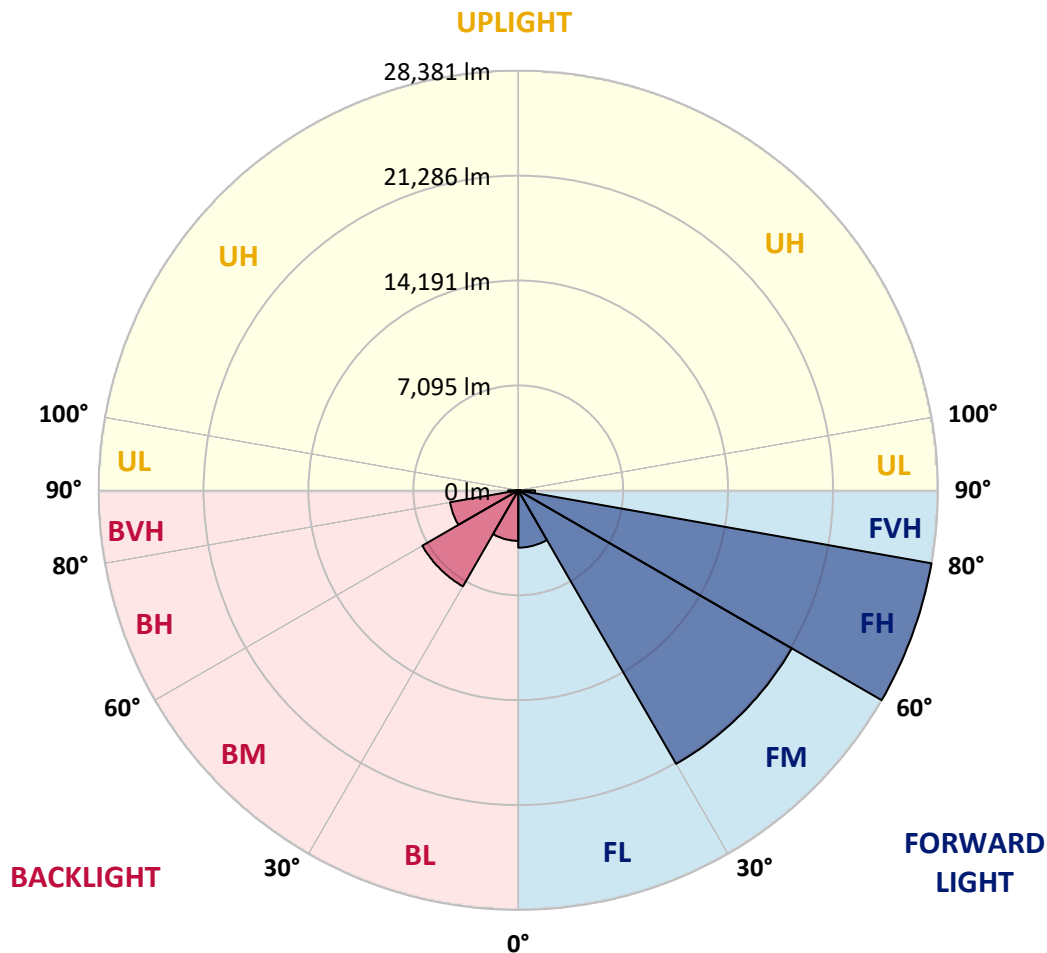


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3876.4	5.5			
FM (30°-60°)	21366.5	30.1			
FH (60°-80°)	28381.1	39.9			G5
FVH (80°-90°)	1135.9	1.6			G5
BL (0°-30°)	3418.6	4.8	B4/5000		
BM (30°-60°)	7495.4	10.6	B4/8500		
BH (60°-80°)	4681.2	6.6	B4/5000		G4/5000
BVH (80°-90°)	687.6	1.0			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	7237.8	7237.8	7237.8	7237.8	7237.8	7237.8	7237.8	7237.8	7237.8	7237.8	7237.8
2.5°	7600.1	7605.0	7614.7	7590.3	7522.3	7502.9	7495.6	7425.1	7378.9	7310.8	7252.5
5°	8208.0	8212.8	8198.2	8130.1	7979.4	7867.6	7857.8	7697.4	7551.5	7395.9	7279.2
7.5°	8842.4	8849.8	8803.6	8674.8	8463.2	8268.7	8256.6	8037.8	7816.5	7580.7	7405.6
10°	9404.1	9374.9	9299.5	9119.7	8869.3	8631.0	8621.2	8392.7	8137.4	7852.9	7619.6
12.5°	9778.5	9754.2	9657.0	9438.2	9163.4	8944.6	8925.2	8713.6	8465.6	8154.4	7874.8
15°	9985.2	10002.2	9870.9	9622.9	9355.4	9170.7	9153.7	9002.9	8781.7	8468.0	8147.1
17.5°	10011.9	10026.5	9900.1	9654.6	9435.7	9309.3	9302.0	9202.3	9041.9	8740.3	8404.9
20°	9856.3	9866.0	9761.5	9559.7	9416.3	9377.3	9374.9	9331.1	9212.1	8944.6	8618.8
22.5°	9630.2	9637.5	9562.1	9416.3	9367.6	9428.4	9445.4	9428.4	9343.3	9092.9	8786.5
25°	9574.3	9569.4	9491.6	9343.3	9384.7	9513.5	9535.4	9542.7	9484.4	9265.5	9000.5
27.5°	9844.1	9827.2	9678.9	9440.6	9467.3	9622.9	9652.0	9722.6	9686.1	9494.1	9243.7
30°	10624.6	10595.4	10291.6	9810.1	9678.9	9759.1	9795.5	9907.4	9914.6	9754.2	9567.0
32.5°	11942.3	11905.8	11361.2	10500.6	10036.2	9897.7	9931.7	10099.5	10189.4	10065.4	9863.6
35°	13607.8	13566.4	12851.6	11674.9	10634.4	10162.6	10186.9	10320.7	10500.6	10325.6	10058.1
37.5°	15343.7	15243.9	14555.9	13055.8	11584.9	10729.1	10729.1	10746.1	10831.3	10466.6	10286.6
40°	17069.9	16970.2	16347.7	14679.9	12815.1	11621.4	11565.4	11188.6	11120.5	10807.0	10746.1
42.5°	18674.5	18645.3	18278.2	16515.5	14259.3	12499.1	12421.3	11781.8	11796.5	11602.0	11604.4
45°	20381.2	20381.2	20082.2	18368.2	15941.8	13909.2	13831.4	12890.6	13036.4	12946.5	13162.9
47.5°	21774.4	21818.1	21776.8	20298.6	17898.9	15701.0	15560.0	14427.1	14835.5	15144.3	15774.0
50°	23196.7	23264.7	23272.0	22416.2	20264.5	17830.8	17670.3	16466.9	17378.6	18263.6	19501.1
52.5°	25260.8	25413.9	24803.7	24529.0	23162.6	20359.3	20201.4	19090.2	20612.2	21854.6	23986.8
55°	27174.2	27040.4	26605.3	26775.5	26264.9	23237.9	23118.8	22143.9	24215.3	25829.7	28598.9
57.5°	28209.9	28200.2	28637.7	29367.1	29610.3	26787.6	26687.9	25739.7	28278.0	29491.1	32928.9
60°	29425.5	29442.5	30526.9	32182.5	33184.2	31207.6	31163.8	30444.2	32223.9	32909.5	36325.4
62.5°	29595.7	29902.0	31769.2	34618.6	36529.6	36371.6	36468.9	34681.9	35754.1	35637.4	38861.2
65°	27638.6	28042.1	31421.6	35355.3	39855.6	42019.4	42109.4	38943.9	38537.8	37968.9	39768.0
67.5°	23626.9	24225.1	27896.2	33753.1	40952.1	46193.9	46320.3	42247.9	40847.5	38759.1	37584.8
70°	17193.9	17857.6	21553.1	28827.4	38997.4	47528.7	47672.0	43709.1	40935.1	36510.1	32085.3
72.5°	10386.3	10906.7	13953.0	21222.4	32914.4	45097.4	45352.7	41856.5	37373.3	30925.6	23692.6
75°	4561.0	4901.4	6746.7	12229.3	23563.8	37312.5	37631.0	35827.0	30366.4	22474.5	14004.0
77.5°	1942.6	2039.8	2766.8	5312.3	13320.9	25496.6	25934.2	26177.3	20602.5	12229.3	5917.7
80°	1210.7	1249.7	1565.7	2404.5	6233.7	14320.1	14791.8	15402.0	10230.7	4495.4	2066.5
82.5°	736.7	780.5	1040.5	1453.9	3245.7	6491.5	6717.6	7147.9	3970.3	1942.6	1069.8
85°	442.5	474.1	637.0	919.0	1847.7	2552.8	2550.4	2820.3	1869.6	1249.7	564.1
87.5°	211.6	235.9	340.4	476.5	931.2	957.9	897.2	1016.2	1135.4	819.3	284.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

Table with 11 columns (90° to 180°) and 24 rows (0° to 90°) showing candela values. The 70° row is highlighted in orange.

(END OF REPORT)