

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: P317094

Luminaire Tested: **GAN-SA0C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317094
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-SA0C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65172 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

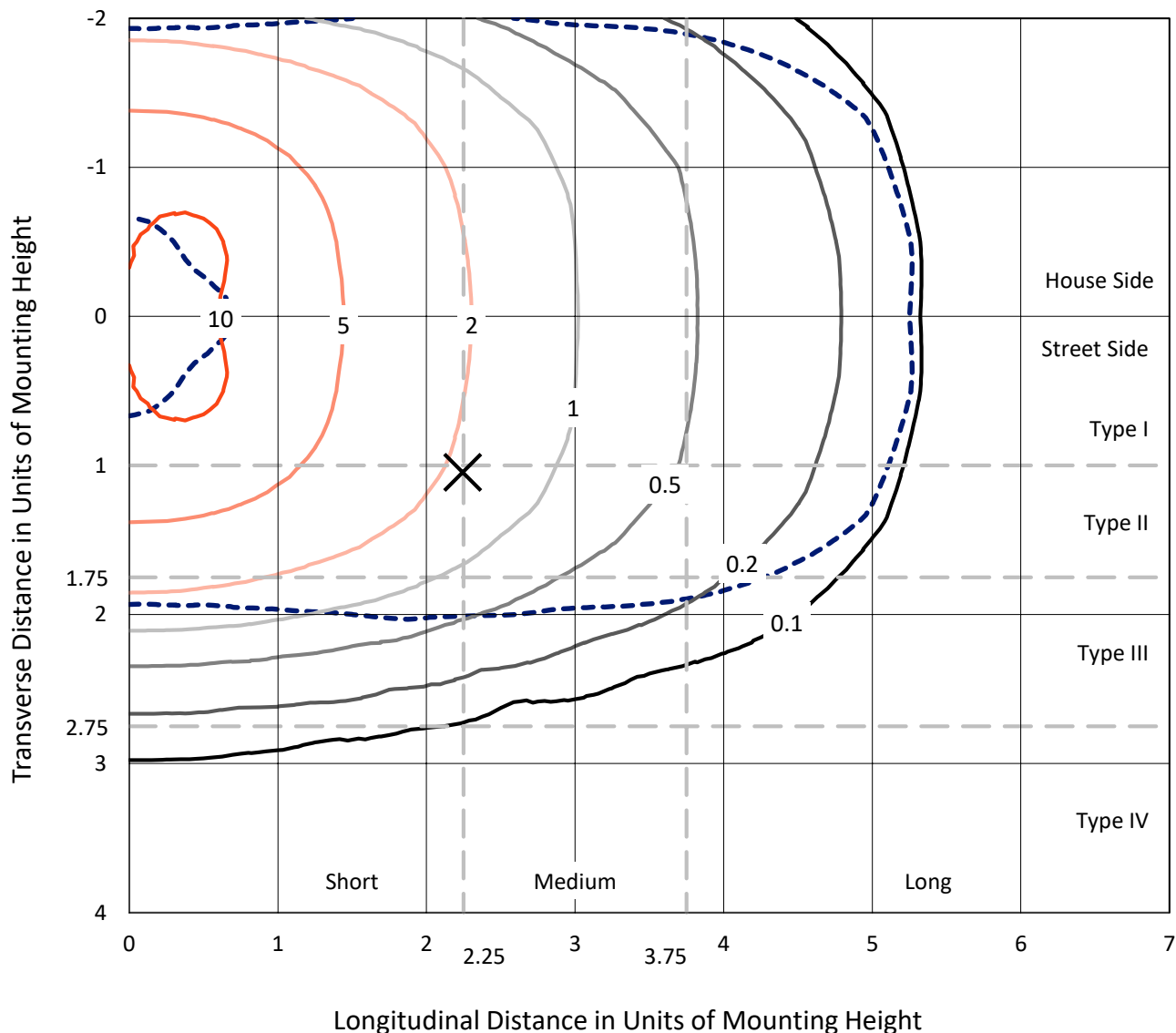
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

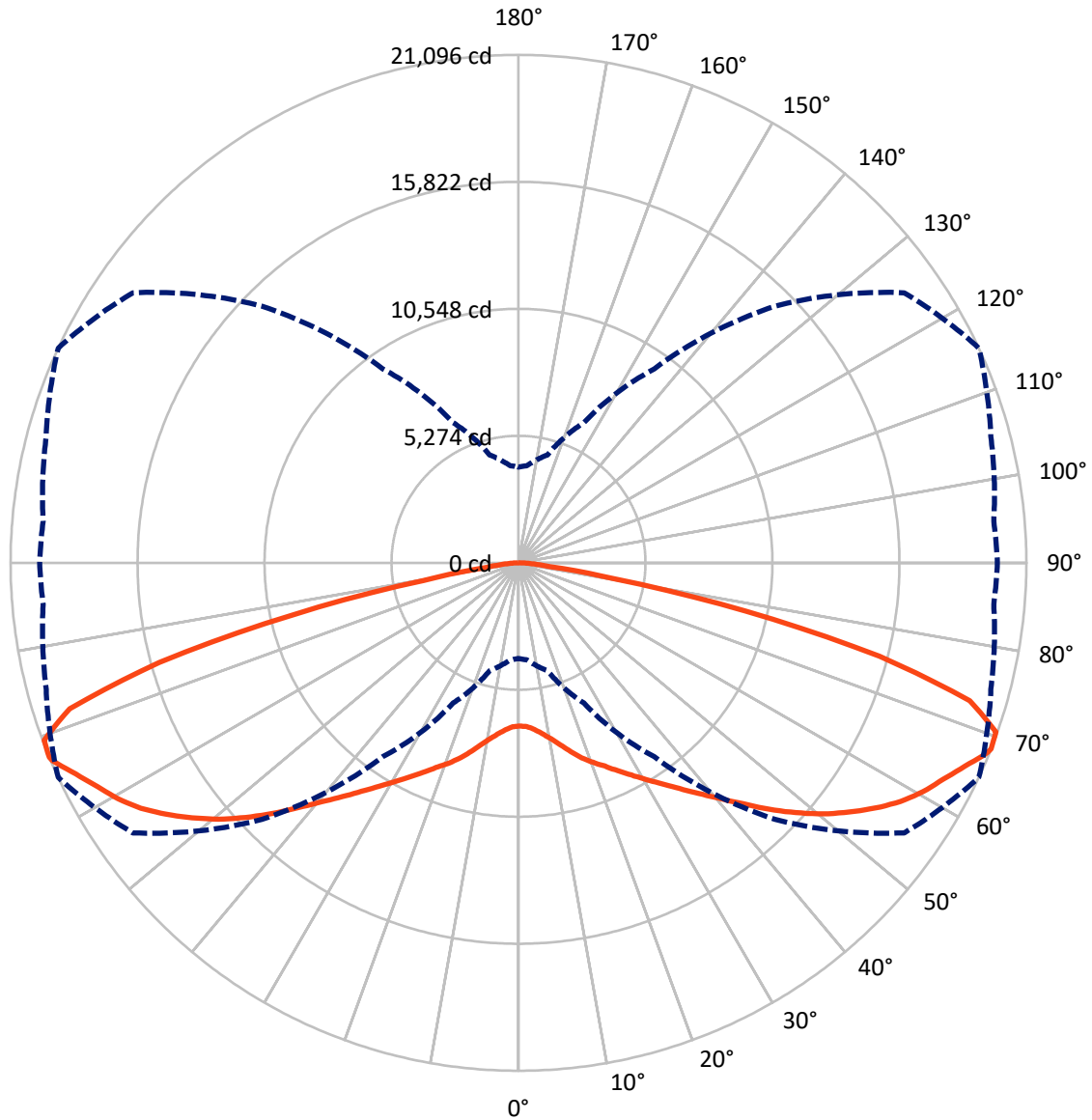
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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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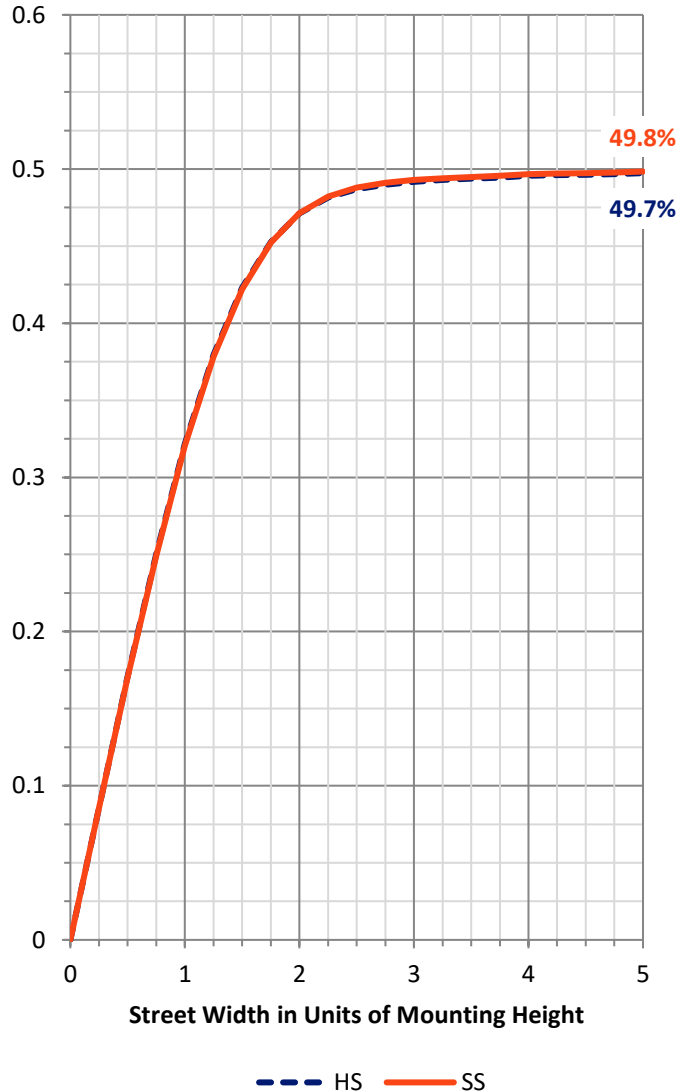
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32586.0	0.0	32586.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32586.0	0.0	32586.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65172.0	0.0	65172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.4	1.0
10°-20°	2221.5	3.4
20°-30°	4331.4	6.6
30°-40°	7276.4	11.2
40°-50°	11465.0	17.6
50°-60°	15332.5	23.5
60°-70°	14905.1	22.9
70°-80°	8147.9	12.5
80°-90°	828.7	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°	65172.0	100.0
0°-180°	65172.0	100.0

Coefficient of Utilization

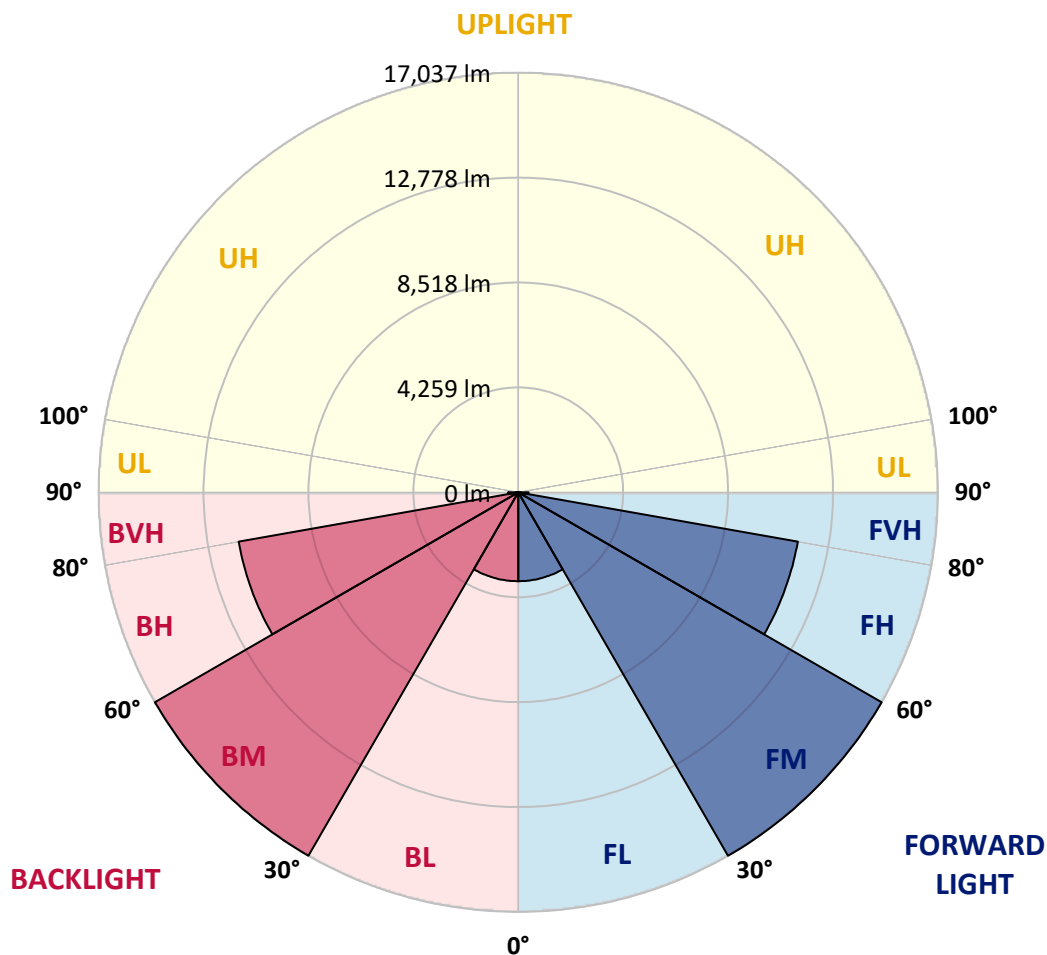


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3608.2	5.5			
FM (30°-60°)	17037.0	26.1			
FH (60°-80°)	11526.5	17.7			G4/12000
FVH (80°-90°)	414.3	0.6			G3/500
BL (0°-30°)	3608.2	5.5	B4/5000		
BM (30°-60°)	17037.0	26.1	B5		
BH (60°-80°)	11526.5	17.7	B5		G5
BVH (80°-90°)	414.3	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°	6776.4	6776.4	6776.4	6776.4	6776.4	6776.4	6776.4	6776.4	6776.4	6776.4	6776.4
2.5°	6728.3	6730.5	6741.4	6754.5	6765.4	6793.8	6800.4	6811.3	6815.7	6826.6	6826.6
5°	6669.3	6673.6	6699.9	6734.8	6774.2	6844.1	6894.4	6951.2	6979.6	7010.2	7008.0
7.5°	6662.7	6673.6	6710.8	6767.6	6833.2	6949.0	7053.9	7167.5	7244.0	7313.9	7309.5
10°	6730.5	6747.9	6800.4	6885.6	6983.9	7128.2	7283.3	7436.3	7569.6	7676.7	7681.0
12.5°	6833.2	6855.0	6938.1	7067.0	7215.6	7401.3	7584.9	7757.5	7941.1	8100.6	8113.7
15°	6968.7	6997.1	7121.6	7313.9	7541.2	7761.9	7958.6	8135.6	8347.5	8568.2	8590.1
17.5°	7169.7	7209.0	7372.9	7633.0	7932.3	8174.9	8380.3	8513.6	8690.6	8917.9	8959.4
20°	7475.6	7525.9	7733.5	8043.8	8408.7	8662.2	8819.5	8847.9	8935.3	9138.6	9186.6
22.5°	7873.3	7917.0	8148.7	8518.0	8926.6	9201.9	9285.0	9171.4	9162.6	9326.5	9372.4
25°	8316.9	8356.3	8625.0	9040.2	9479.5	9783.2	9781.0	9560.3	9407.4	9534.1	9582.2
27.5°	8815.2	8876.3	9134.2	9571.2	10041.1	10340.4	10323.0	9982.1	9691.4	9724.2	9765.7
30°	9387.7	9455.4	9706.7	10150.3	10620.1	10913.0	10891.1	10441.0	10003.9	9916.5	9947.1
32.5°	10097.9	10178.7	10416.9	10854.0	11269.2	11533.6	11470.2	10939.2	10379.8	10189.7	10218.1
35°	10952.3	11000.4	11251.7	11682.2	12018.7	12200.1	12066.8	11516.1	10856.2	10626.7	10626.7
37.5°	11817.6	11854.8	12136.7	12554.1	12879.7	12975.8	12715.8	12147.6	11478.9	11153.3	11159.9
40°	12648.0	12748.5	13065.4	13493.7	13814.9	13841.2	13495.9	12868.7	12171.7	11835.1	11874.5
42.5°	13515.6	13613.9	13991.9	14477.1	14761.1	14804.8	14400.6	13677.3	12954.0	12680.8	12724.5
45°	14289.1	14367.8	14804.8	15368.6	15722.6	15836.3	15357.7	14603.8	13799.6	13533.0	13544.0
47.5°	14828.9	14931.6	15412.3	16076.6	16592.3	16767.2	16297.3	15506.3	14632.2	14308.8	14337.2
50°	15318.4	15373.0	15860.3	16585.8	17241.4	17601.9	17199.8	16397.9	15473.5	15130.4	15161.0
52.5°	15591.5	15661.4	16133.4	16889.5	17665.3	18246.6	18001.8	17199.8	16286.4	15952.1	15989.2
55°	15401.4	15453.8	16019.8	16957.3	17927.5	18644.3	18681.4	17984.3	17084.0	16791.2	16896.1
57.5°	14536.1	14601.6	15292.1	16520.2	17960.3	18913.0	19192.8	18712.0	17829.2	17591.0	17652.2
60°	13183.4	13224.9	13961.3	15342.4	17322.2	19024.5	19518.3	19306.4	18559.0	18320.9	18403.9
62.5°	10773.1	10834.3	11714.9	13565.8	15973.9	18694.5	19833.0	19798.1	19238.6	19020.1	19094.4
65°	7364.2	7471.3	8445.9	10786.2	13895.8	17685.0	20119.3	20370.6	19839.6	19564.2	19662.6
67.5°	4446.9	4525.6	5231.4	7121.6	10633.3	15648.3	19824.3	21021.8	20263.5	19819.9	19900.8
68°	3974.9	4047.0	4637.0	6426.7	9835.7	15073.6	19555.5	21096.1	20309.4	19815.5	19887.6
70°	2401.6	2449.6	2845.2	3972.7	6557.8	11957.5	17722.1	21034.9	20602.2	19876.7	19918.2
72.5°	1564.6	1579.9	1645.5	2038.8	3349.9	6686.8	13301.4	19601.4	21041.4	20232.9	20226.4
75°	1300.2	1291.5	1298.0	1343.9	1652.0	2932.6	7772.8	15484.4	20058.1	19671.3	19533.6
77.5°	1099.2	1092.6	1090.4	1092.6	1105.7	1416.0	3374.0	9645.5	15349.0	17400.9	17523.2
80°	889.4	880.6	909.0	895.9	856.6	880.6	1413.8	4012.1	7235.2	7783.7	7294.3
82.5°	646.8	614.0	736.4	701.5	668.7	620.6	780.1	1295.8	1726.3	1184.4	832.6
85°	498.2	463.3	559.4	537.6	458.9	316.9	463.3	633.7	699.3	399.9	314.7
87.5°	203.2	214.2	404.3	319.0	268.8	153.0	190.1	253.5	340.9	170.4	131.1
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)