

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: P316502

Luminaire Tested: **GAN-SA8D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8D-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 65326 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

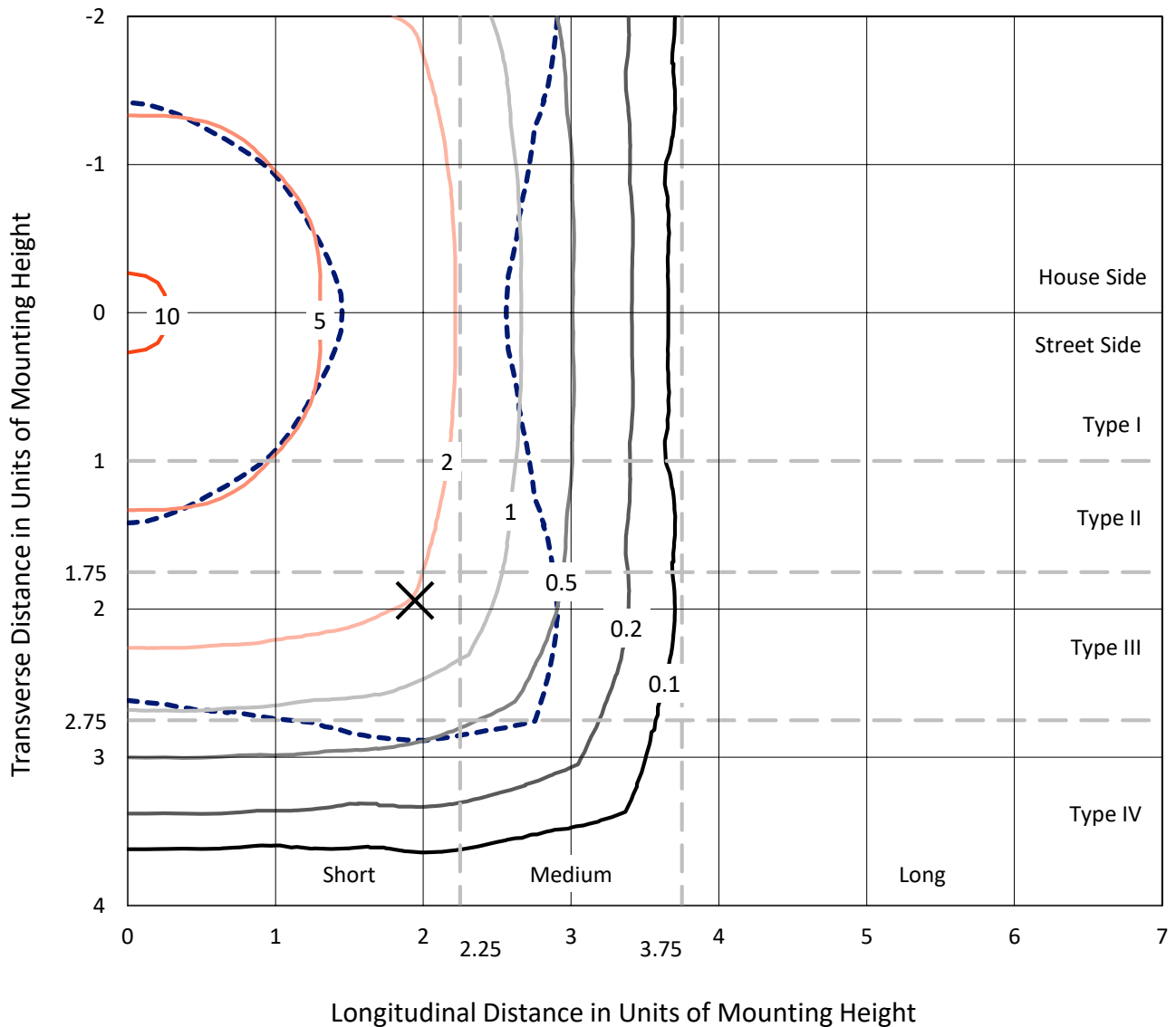
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

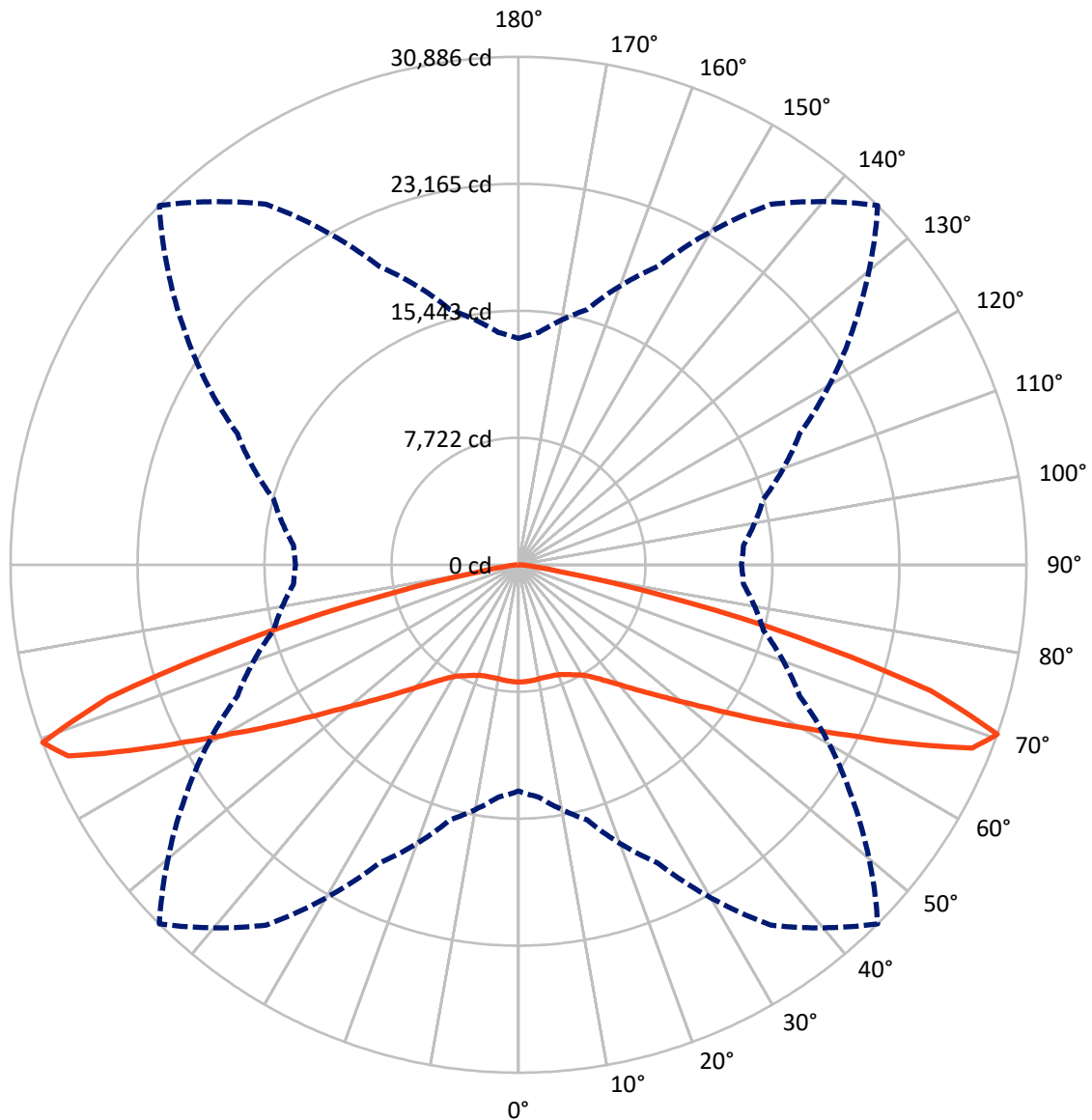
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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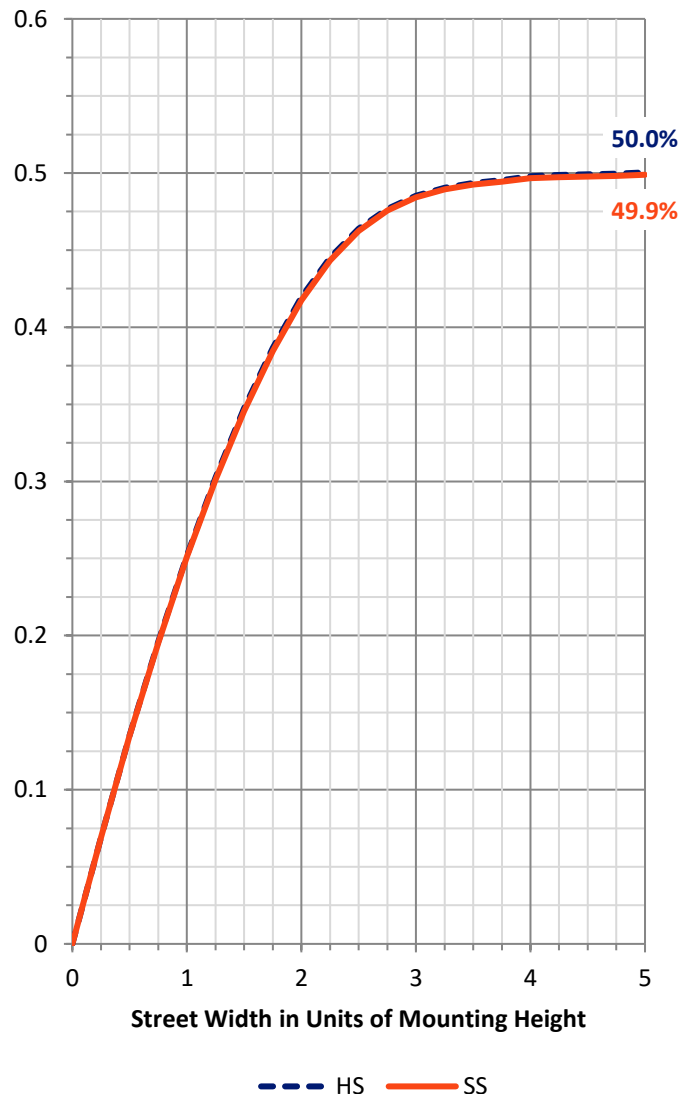
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32663.0	0.0	32663.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32663.0	0.0	32663.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65326.0	0.0	65326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.7	1.0
10°-20°	1983.7	3.0
20°-30°	3377.0	5.2
30°-40°	5355.9	8.2
40°-50°	8715.6	13.3
50°-60°	14370.5	22.0
60°-70°	21096.3	32.3
70°-80°	9328.8	14.3
80°-90°	422.5	0.6
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°	65326.0	100.0
0°-180°	65326.0	100.0

Coefficient of Utilization

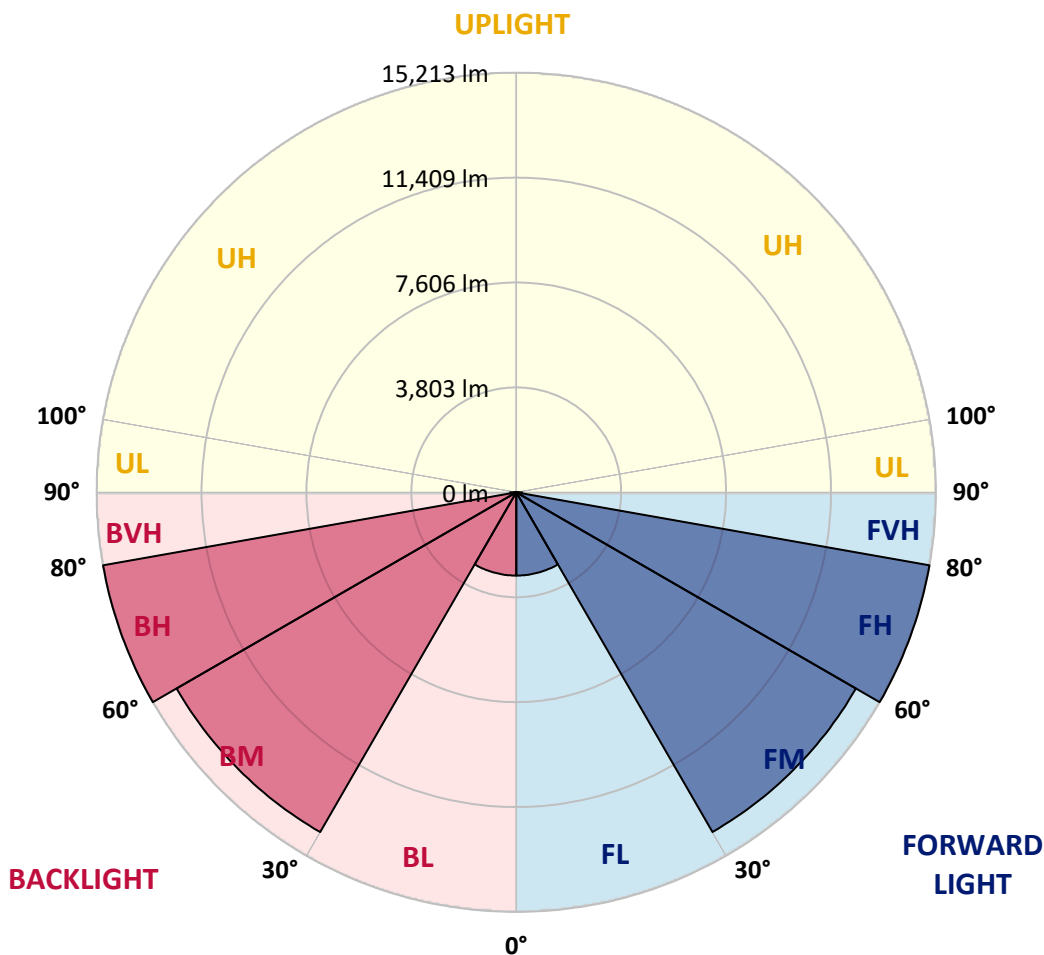


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3018.2	4.6			
FM (30°-60°)	14221.0	21.8			
FH (60°-80°)	15212.5	23.3			G5
FVH (80°-90°)	211.2	0.3			G2/225
BL (0°-30°)	3018.2	4.6	B4/5000		
BM (30°-60°)	14221.0	21.8	B5		
BH (60°-80°)	15212.5	23.3	B5		G5
BVH (80°-90°)	211.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6	7134.6
2.5°	7123.8	7117.3	7132.5	7130.3	7117.3	7119.5	7119.5	7126.0	7126.0	7121.6	7121.6
5°	7097.9	7093.5	7110.8	7110.8	7097.9	7102.2	7106.5	7113.0	7110.8	7106.5	7104.3
7.5°	7065.4	7063.3	7080.6	7080.6	7071.9	7076.2	7071.9	7074.1	7069.8	7065.4	7058.9
10°	7011.4	7015.7	7030.8	7035.2	7035.2	7037.3	7033.0	7022.2	7015.7	7009.2	7002.7
12.5°	6961.7	6959.5	6981.1	6991.9	7009.2	7028.7	7015.7	6985.4	6972.5	6959.5	6955.2
15°	6929.2	6931.4	6953.0	6972.5	7002.7	7043.8	7028.7	6981.1	6955.2	6940.0	6935.7
17.5°	6922.7	6927.1	6955.2	6989.8	7022.2	7067.6	7058.9	7011.4	6968.1	6940.0	6933.5
20°	6937.9	6940.0	6983.3	7033.0	7089.2	7132.5	7113.0	7061.1	7002.7	6959.5	6948.7
22.5°	6966.0	6974.6	7028.7	7106.5	7193.0	7251.4	7227.6	7138.9	7048.1	6994.1	6979.0
25°	7054.6	7056.8	7130.3	7236.2	7340.0	7407.0	7378.9	7253.5	7136.8	7076.2	7056.8
27.5°	7238.4	7244.9	7318.4	7441.6	7530.3	7573.5	7556.2	7454.6	7355.1	7290.3	7296.8
30°	7504.3	7513.0	7595.1	7731.3	7785.4	7796.2	7791.9	7744.3	7653.5	7567.0	7573.5
32.5°	7828.6	7832.9	7943.2	8066.4	8109.7	8118.3	8109.7	8066.4	7958.3	7841.6	7848.1
35°	8245.9	8258.9	8364.8	8483.7	8518.3	8535.6	8520.5	8464.2	8351.8	8237.2	8232.9
37.5°	8760.4	8762.6	8872.9	8996.1	9039.3	9043.7	9026.4	8989.6	8849.1	8745.3	8738.8
40°	9357.2	9365.8	9495.5	9627.4	9644.7	9625.2	9649.0	9627.4	9482.6	9363.6	9383.1
42.5°	10083.6	10103.0	10258.7	10388.4	10338.7	10327.9	10343.0	10349.5	10232.8	10087.9	10074.9
45°	10928.9	10946.2	11140.8	11244.6	11212.2	11140.8	11171.1	11223.0	11060.8	10881.4	10898.7
47.5°	11893.2	11936.4	12144.0	12241.3	12161.3	12064.0	12122.4	12200.2	12009.9	11787.3	11776.4
50°	12965.5	13019.6	13296.3	13432.5	13352.5	13173.1	13270.4	13322.3	13047.7	12760.2	12736.4
52.5°	14109.2	14163.3	14511.4	14792.4	14740.5	14461.7	14597.9	14543.8	14228.2	13841.2	13810.9
55°	15404.3	15425.9	15802.1	16256.1	16308.0	16102.6	16094.0	16005.3	15538.3	15090.8	15069.2
57.5°	16736.1	16751.2	17237.7	17773.8	18018.1	18018.1	17776.0	17587.9	16967.4	16448.5	16394.5
60°	18173.8	18227.9	18766.2	19494.8	20065.6	20234.2	19806.1	19293.7	18619.2	17985.7	17923.0
62.5°	19453.7	19516.4	20340.1	21425.5	22342.2	22956.2	21909.8	21075.2	19847.2	18831.1	18712.2
65°	19615.9	19784.5	20984.4	22949.7	25001.4	26227.3	24220.9	22164.9	19927.2	18515.4	18394.3
67.5°	17914.4	18199.8	19821.3	22880.5	27120.2	29751.3	25697.6	21542.2	18491.6	16930.7	16796.6
70°	13765.5	14180.6	16050.7	20013.7	26754.8	30886.4	24772.3	18859.2	15417.3	13737.4	13549.3
72.5°	7551.9	7722.7	9404.7	13704.9	21449.2	26246.7	20662.3	13944.9	10224.1	8319.4	8003.7
75°	2395.5	2456.0	3312.2	5608.2	12133.2	17384.7	13125.5	6844.9	3768.4	2778.2	2745.7
77.5°	1063.7	1070.2	1197.8	1636.6	4179.2	8808.0	5020.2	1863.6	1284.2	1122.1	1158.8
80°	672.4	672.4	741.6	810.8	1137.2	2557.7	1357.7	886.4	756.7	702.7	717.8
82.5°	322.1	356.7	482.1	518.9	624.8	860.5	696.2	579.4	505.9	376.2	350.2
85°	211.9	177.3	304.8	343.8	363.2	412.9	404.3	382.7	330.8	188.1	209.7
87.5°	95.1	90.8	157.8	144.9	136.2	103.8	155.7	192.4	185.9	93.0	93.0
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)