

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: P316542

Luminaire Tested: **GAN-SA8D-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316542
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-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 65324 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

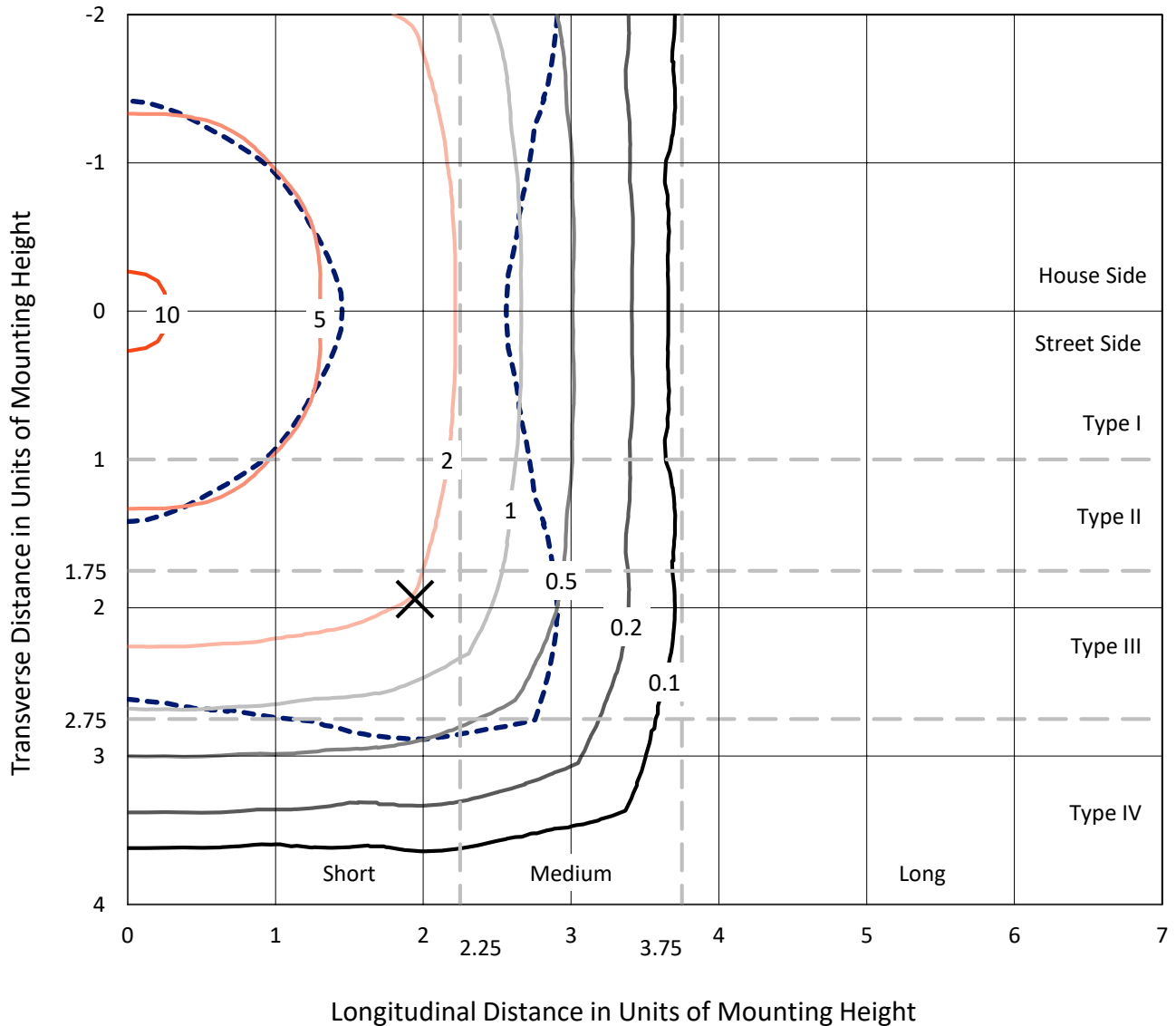
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

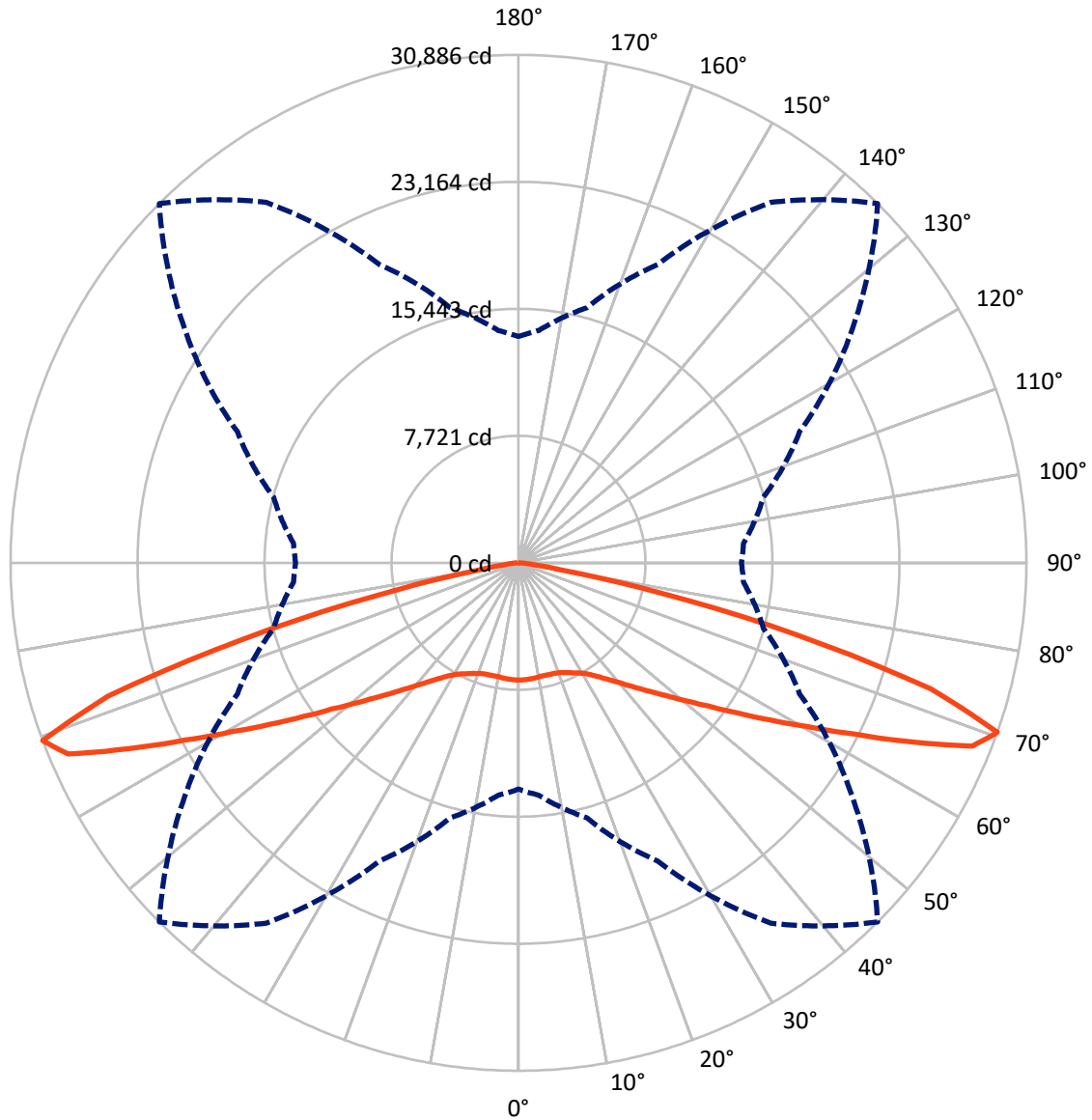
✕ Max cd
 - - - 1/2 Max cd



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	32662.0	0.0	32662.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32662.0	0.0	32662.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	65324.0	0.0	65324.0
	% 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°	3376.9	5.2
30°-40°	5355.7	8.2
40°-50°	8715.4	13.3
50°-60°	14370.1	22.0
60°-70°	21095.7	32.3
70°-80°	9328.5	14.3
80°-90°	422.4	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°	65324.0	100.0
0°-180°	65324.0	100.0

Coefficient of Utilization

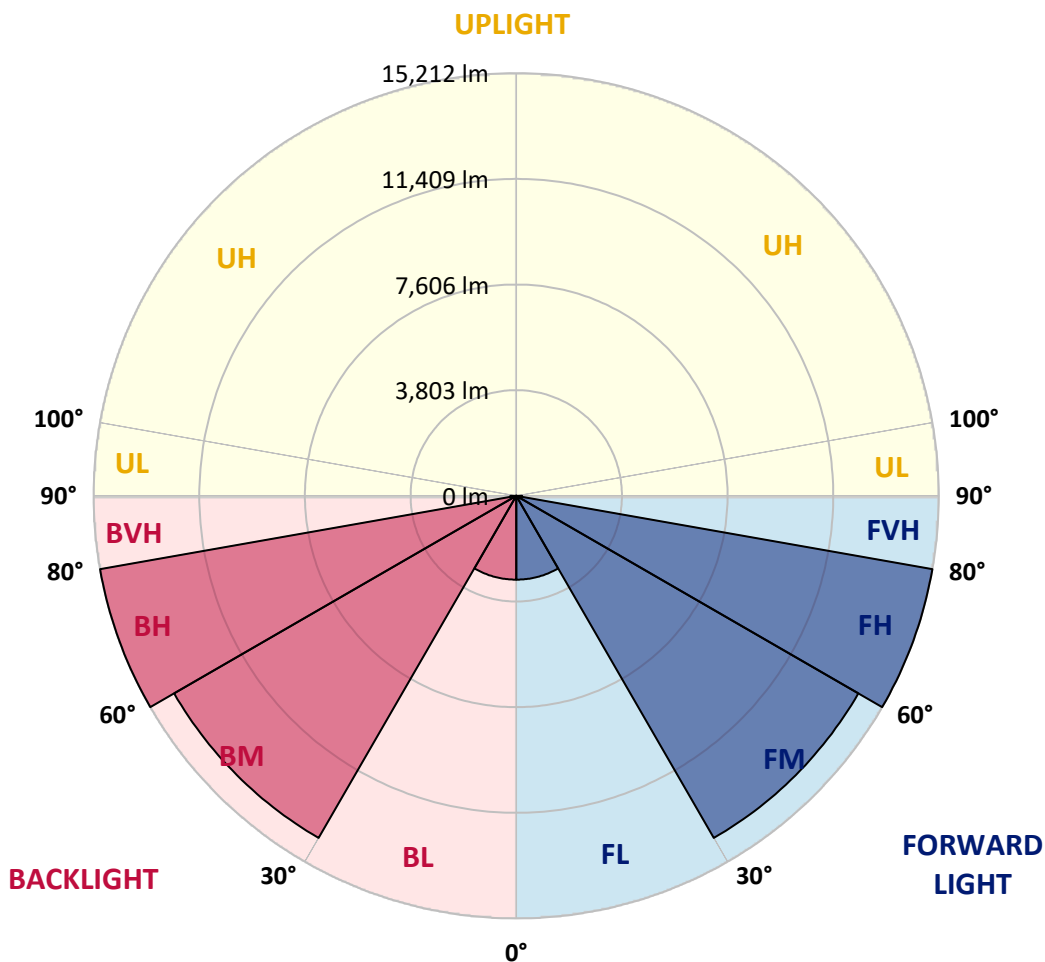


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3018.1	4.6			
FM (30°-60°)	14220.6	21.8			
FH (60°-80°)	15212.1	23.3			G5
FVH (80°-90°)	211.2	0.3			G2/225
BL (0°-30°)	3018.1	4.6	B4/5000		
BM (30°-60°)	14220.6	21.8	B5		
BH (60°-80°)	15212.1	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°	7134.4	7134.4	7134.4	7134.4	7134.4	7134.4	7134.4	7134.4	7134.4	7134.4	7134.4
2.5°	7123.6	7117.1	7132.2	7130.1	7117.1	7119.3	7119.3	7125.7	7125.7	7121.4	7121.4
5°	7097.6	7093.3	7110.6	7110.6	7097.6	7102.0	7106.3	7112.8	7110.6	7106.3	7104.1
7.5°	7065.2	7063.1	7080.3	7080.3	7071.7	7076.0	7071.7	7073.9	7069.5	7065.2	7058.7
10°	7011.2	7015.5	7030.6	7034.9	7034.9	7037.1	7032.8	7022.0	7015.5	7009.0	7002.5
12.5°	6961.4	6959.3	6980.9	6991.7	7009.0	7028.5	7015.5	6985.2	6972.3	6959.3	6955.0
15°	6929.0	6931.2	6952.8	6972.3	7002.5	7043.6	7028.5	6980.9	6955.0	6939.8	6935.5
17.5°	6922.5	6926.9	6955.0	6989.5	7022.0	7067.4	7058.7	7011.2	6967.9	6939.8	6933.3
20°	6937.7	6939.8	6983.1	7032.8	7089.0	7132.2	7112.8	7060.9	7002.5	6959.3	6948.5
22.5°	6965.8	6974.4	7028.5	7106.3	7192.8	7251.1	7227.4	7138.7	7047.9	6993.9	6978.7
25°	7054.4	7056.6	7130.1	7236.0	7339.8	7406.8	7378.7	7253.3	7136.6	7076.0	7056.6
27.5°	7238.2	7244.7	7318.2	7441.4	7530.0	7573.3	7556.0	7454.4	7354.9	7290.1	7296.5
30°	7504.1	7512.7	7594.9	7731.1	7785.1	7796.0	7791.6	7744.1	7653.3	7566.8	7573.3
32.5°	7828.4	7832.7	7943.0	8066.2	8109.4	8118.1	8109.4	8066.2	7958.1	7841.4	7847.8
35°	8245.6	8258.6	8364.5	8483.4	8518.0	8535.3	8520.2	8464.0	8351.6	8237.0	8232.7
37.5°	8760.2	8762.3	8872.6	8995.8	9039.1	9043.4	9026.1	8989.3	8848.8	8745.0	8738.6
40°	9356.9	9365.5	9495.2	9627.1	9644.4	9625.0	9648.7	9627.1	9482.3	9363.4	9382.8
42.5°	10083.3	10102.7	10258.4	10388.1	10338.4	10327.6	10342.7	10349.2	10232.5	10087.6	10074.6
45°	10928.6	10945.9	11140.5	11244.2	11211.8	11140.5	11170.7	11222.6	11060.5	10881.0	10898.3
47.5°	11892.8	11936.1	12143.6	12240.9	12160.9	12063.6	12122.0	12199.8	12009.6	11786.9	11776.1
50°	12965.1	13019.2	13295.9	13432.1	13352.1	13172.7	13270.0	13321.9	13047.3	12759.8	12736.0
52.5°	14108.8	14162.9	14510.9	14792.0	14740.1	14461.2	14597.4	14543.4	14227.7	13840.7	13810.5
55°	15403.8	15425.4	15801.6	16255.6	16307.5	16102.1	16093.5	16004.8	15537.9	15090.3	15068.7
57.5°	16735.6	16750.7	17237.1	17773.3	18017.6	18017.6	17775.5	17587.4	16966.9	16448.0	16394.0
60°	18173.3	18227.3	18765.6	19494.2	20065.0	20233.6	19805.5	19293.1	18618.6	17985.2	17922.5
62.5°	19453.1	19515.8	20339.5	21424.8	22341.5	22955.5	21909.1	21074.6	19846.6	18830.5	18711.6
65°	19615.3	19783.9	20983.8	22949.0	25000.7	26226.5	24220.2	22164.2	19926.6	18514.8	18393.8
67.5°	17913.8	18199.2	19820.7	22879.8	27119.4	29750.4	25696.8	21541.6	18491.1	16930.1	16796.1
70°	13765.1	14180.2	16050.2	20013.1	26754.0	30885.5	24771.5	18858.6	15416.8	13737.0	13548.9
72.5°	7551.7	7722.4	9404.4	13704.5	21448.6	26245.9	20661.6	13944.5	10223.8	8319.1	8003.5
75°	2395.4	2456.0	3312.1	5608.1	12132.8	17384.1	13125.1	6844.7	3768.3	2778.1	2745.7
77.5°	1063.7	1070.2	1197.7	1636.6	4179.0	8807.7	5020.0	1863.6	1284.2	1122.0	1158.8
80°	672.4	672.4	741.5	810.7	1137.2	2557.6	1357.7	886.4	756.7	702.6	717.8
82.5°	322.1	356.7	482.1	518.9	624.8	860.5	696.1	579.4	505.9	376.2	350.2
85°	211.9	177.3	304.8	343.7	363.2	412.9	404.3	382.7	330.8	188.1	209.7
87.5°	95.1	90.8	157.8	144.8	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)