

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: P316823

Luminaire Tested: **GAN-SA9D-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9D-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71552 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

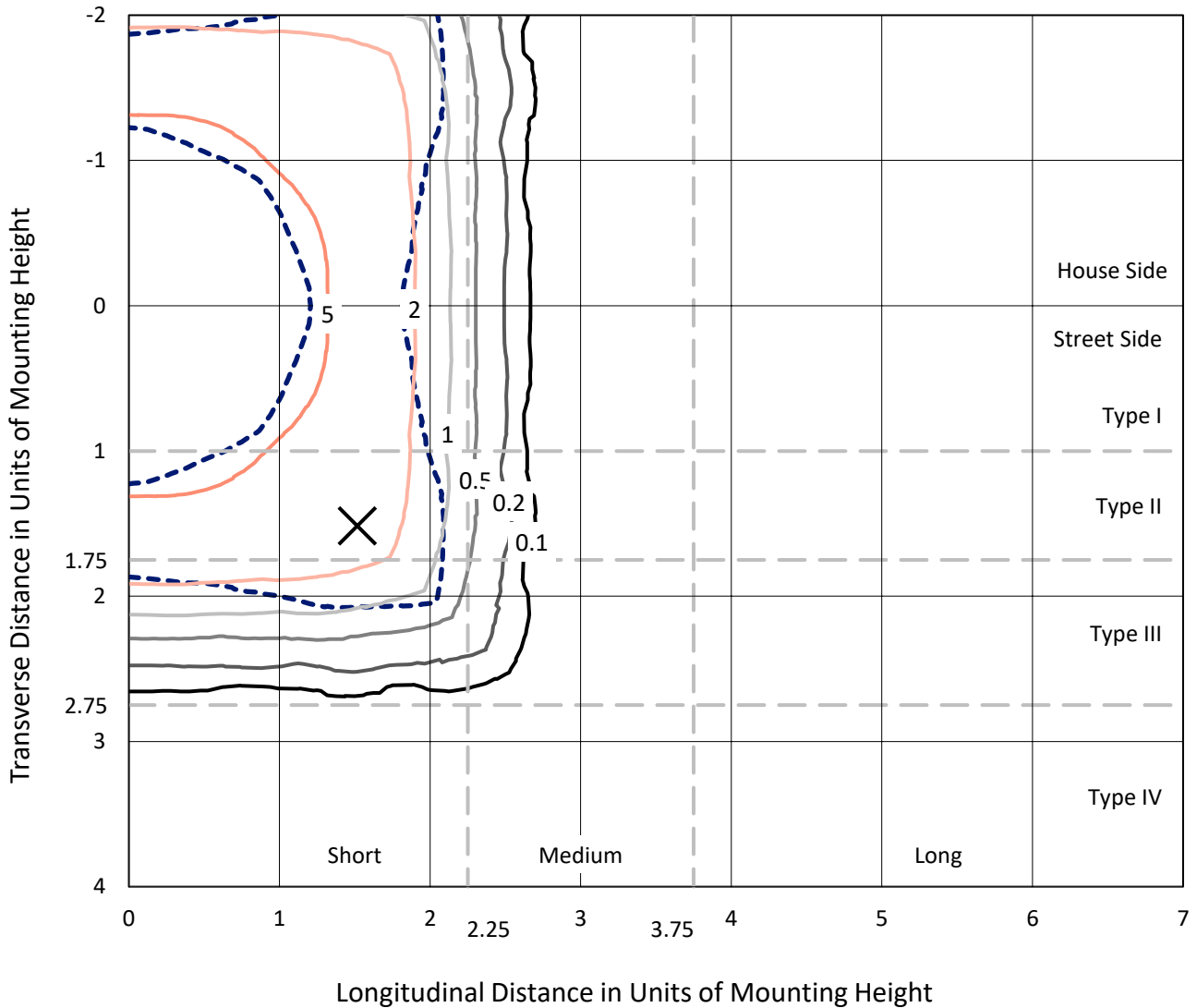
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

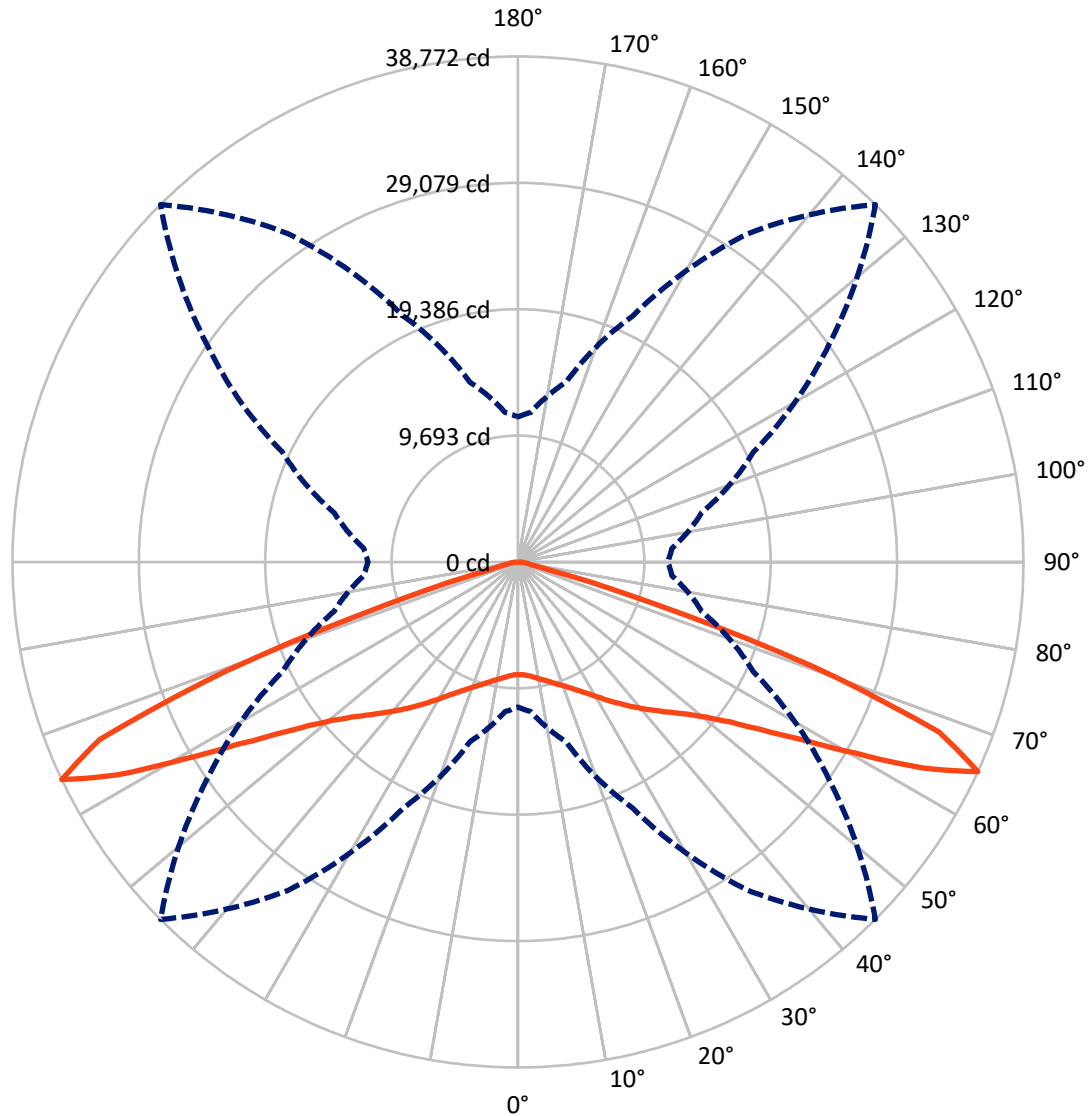
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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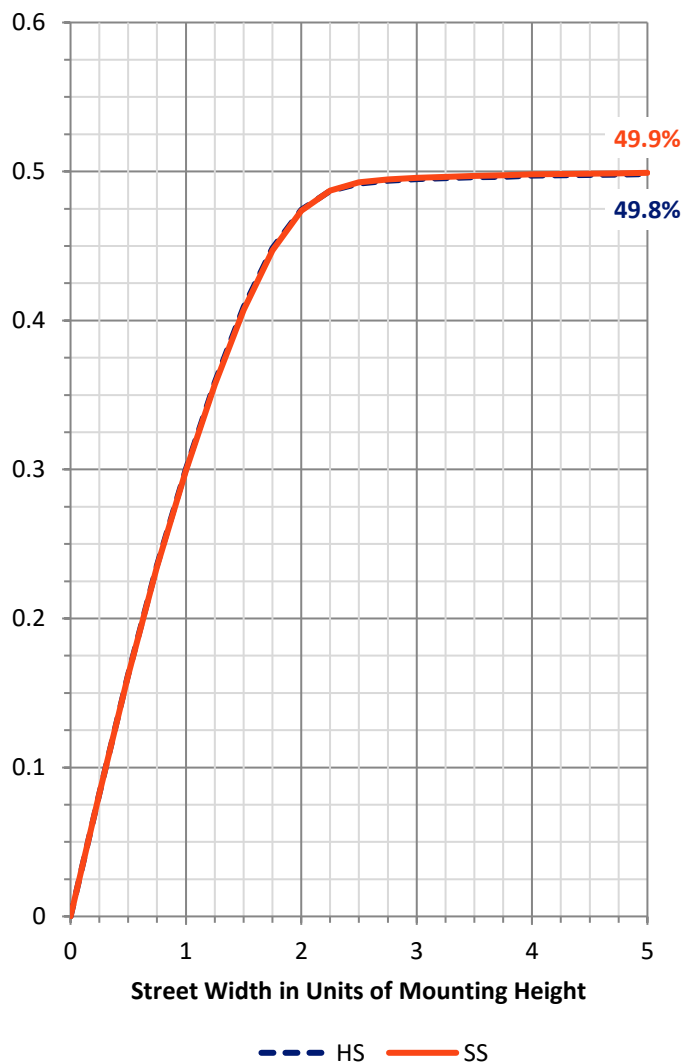
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35776.0	0.0	35776.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35776.0	0.0	35776.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	71552.0	0.0	71552.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.8	1.2
10°-20°	2725.0	3.8
20°-30°	5112.6	7.1
30°-40°	8455.2	11.8
40°-50°	13096.0	18.3
50°-60°	20085.6	28.1
60°-70°	18742.1	26.2
70°-80°	2181.3	3.0
80°-90°	306.5	0.4
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°	71552.0	100.0
0°-180°	71552.0	100.0

Coefficient of Utilization

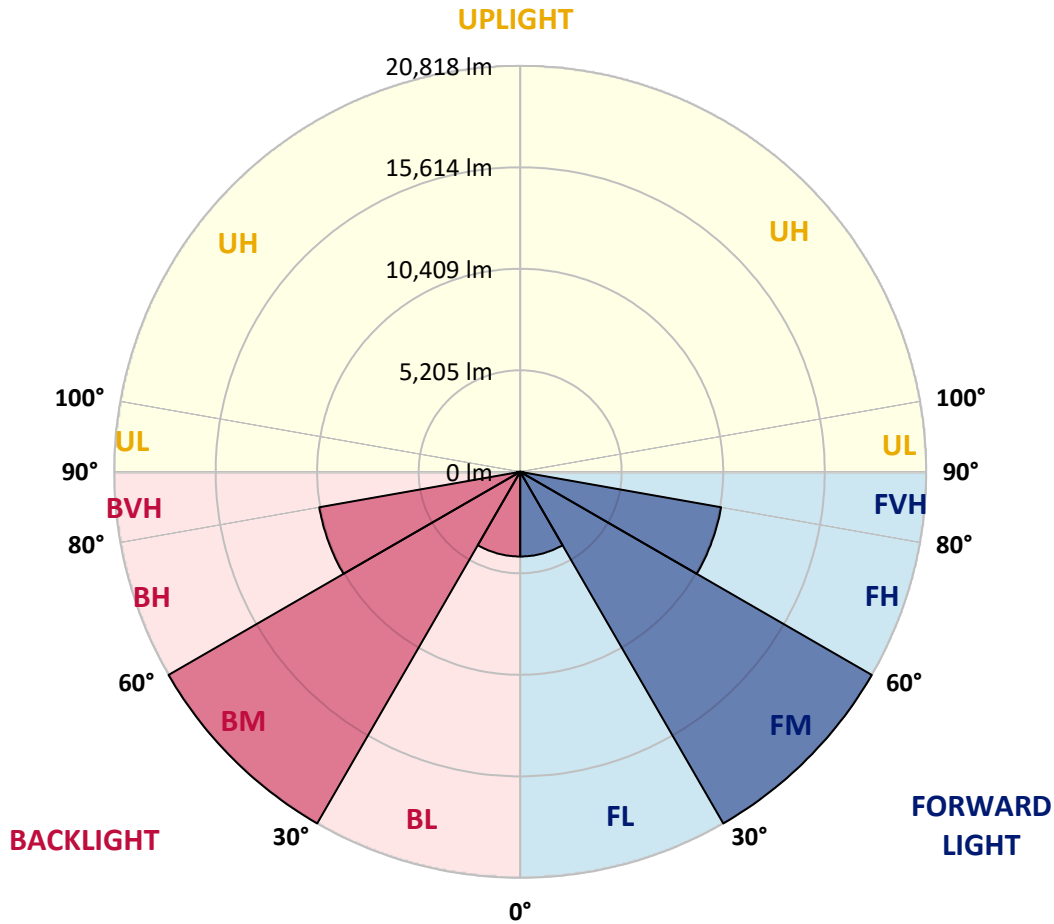


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4342.7	6.1			
FM (30°-60°)	20818.4	29.1			
FH (60°-80°)	10461.7	14.6			G4/12000
FVH (80°-90°)	153.3	0.2			G2/225
BL (0°-30°)	4342.7	6.1	B4/5000		
BM (30°-60°)	20818.4	29.1	B5		
BH (60°-80°)	10461.7	14.6	B5		G4/12000
BVH (80°-90°)	153.3	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8640.8	8640.8	8640.8	8640.8	8640.8	8640.8	8640.8	8640.8	8640.8	8640.8	8640.8
2.5°	8669.3	8664.6	8669.3	8671.7	8657.4	8664.6	8662.2	8674.1	8678.8	8674.1	8674.1
5°	8769.1	8761.9	8771.4	8783.3	8764.3	8769.1	8761.9	8776.2	8780.9	8771.4	8778.6
7.5°	8906.8	8909.2	8918.7	8940.1	8928.2	8937.7	8923.5	8925.8	8923.5	8909.2	8911.6
10°	9056.5	9058.8	9075.5	9104.0	9108.7	9108.7	9099.2	9092.1	9082.6	9073.1	9075.5
12.5°	9237.0	9248.8	9260.7	9296.4	9296.4	9315.4	9310.6	9291.6	9275.0	9260.7	9260.7
15°	9481.6	9479.2	9493.5	9529.1	9545.7	9576.6	9576.6	9550.5	9529.1	9514.9	9510.1
17.5°	9738.1	9745.3	9754.8	9797.5	9823.6	9859.3	9864.0	9842.6	9828.4	9809.4	9797.5
20°	10037.4	10049.3	10087.3	10103.9	10127.7	10160.9	10172.8	10168.0	10153.8	10144.3	10146.7
22.5°	10386.5	10417.4	10441.2	10464.9	10493.4	10517.2	10529.1	10545.7	10531.4	10524.3	10519.6
25°	10809.3	10830.7	10878.2	10921.0	10940.0	10947.1	10961.3	10985.1	10982.7	10966.1	10966.1
27.5°	11289.1	11329.5	11388.9	11450.6	11450.6	11426.9	11474.4	11514.7	11500.5	11479.1	11450.6
30°	11871.0	11909.0	11977.9	12063.4	12020.7	12004.0	12068.2	12141.8	12120.4	12084.8	12080.0
32.5°	12498.1	12533.7	12623.9	12716.6	12661.9	12638.2	12707.1	12814.0	12776.0	12704.7	12661.9
35°	13177.4	13213.0	13341.2	13452.9	13360.2	13319.9	13376.9	13493.2	13426.7	13293.7	13260.5
37.5°	13916.0	13935.0	14101.3	14215.3	14151.2	14044.3	14115.5	14201.0	14144.0	13982.5	13918.4
40°	14683.2	14752.1	14944.5	15077.5	14965.8	14797.2	14916.0	15034.7	14949.2	14742.6	14633.3
42.5°	15578.6	15630.9	15887.4	16006.2	15825.7	15588.1	15749.6	15911.2	15825.7	15626.1	15531.1
45°	16509.7	16590.5	16896.8	17015.6	16754.3	16452.7	16649.8	16932.5	16925.3	16638.0	16538.2
47.5°	17523.9	17604.6	17970.4	18127.2	17844.5	17440.8	17718.6	18117.7	18089.2	17773.3	17692.5
50°	18694.8	18780.3	19236.4	19433.5	19169.9	18699.6	19117.6	19469.1	19416.9	19027.4	19034.5
52.5°	20165.1	20160.3	20728.0	21070.0	20799.2	20383.6	20768.3	21110.4	20894.2	20355.1	20338.4
55°	21452.4	21530.8	22233.8	22882.2	22865.6	22706.5	22860.9	22875.1	22257.6	21540.3	21452.4
57.5°	22297.9	22447.6	23438.0	24611.3	25490.2	25701.5	25402.3	24495.0	23048.5	21901.3	21761.2
60°	21777.8	22005.8	23561.5	25953.3	28542.2	29784.4	28095.7	25281.1	22433.3	20834.9	20644.8
62.5°	18267.3	18652.1	20929.9	25304.9	31169.1	34800.8	30048.1	24019.9	19986.9	17785.2	17459.8
65°	11125.2	11531.4	14277.1	20827.7	30744.0	38772.0	29157.4	19937.0	14588.2	11849.6	11498.1
67.5°	3707.6	3826.4	5443.9	11512.4	24162.4	34836.4	24202.8	11935.1	6348.8	4208.8	4085.3
70°	1451.2	1463.1	1726.7	3337.1	11410.2	23927.3	12590.7	3396.5	1805.1	1427.5	1458.3
72.5°	1066.4	1071.2	1144.8	1394.2	2973.7	10540.9	3080.6	1401.3	1113.9	999.9	999.9
75°	857.4	857.4	909.7	1016.6	1332.5	2417.9	1351.5	1004.7	871.7	798.1	788.6
77.5°	676.9	691.2	731.5	800.4	902.6	1163.8	935.8	795.7	703.0	634.2	619.9
80°	503.5	517.8	584.3	617.5	648.4	807.6	691.2	622.3	555.8	475.0	460.8
82.5°	330.1	344.4	427.5	446.5	439.4	527.3	465.5	458.4	408.5	306.4	292.1
85°	216.1	220.9	285.0	296.9	273.1	239.9	296.9	313.5	285.0	199.5	192.4
87.5°	102.1	102.1	144.9	135.4	123.5	99.8	135.4	159.1	161.5	97.4	95.0
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)