

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: P316903

Luminaire Tested: **GAN-SA9D-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316903
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-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 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: 71551 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

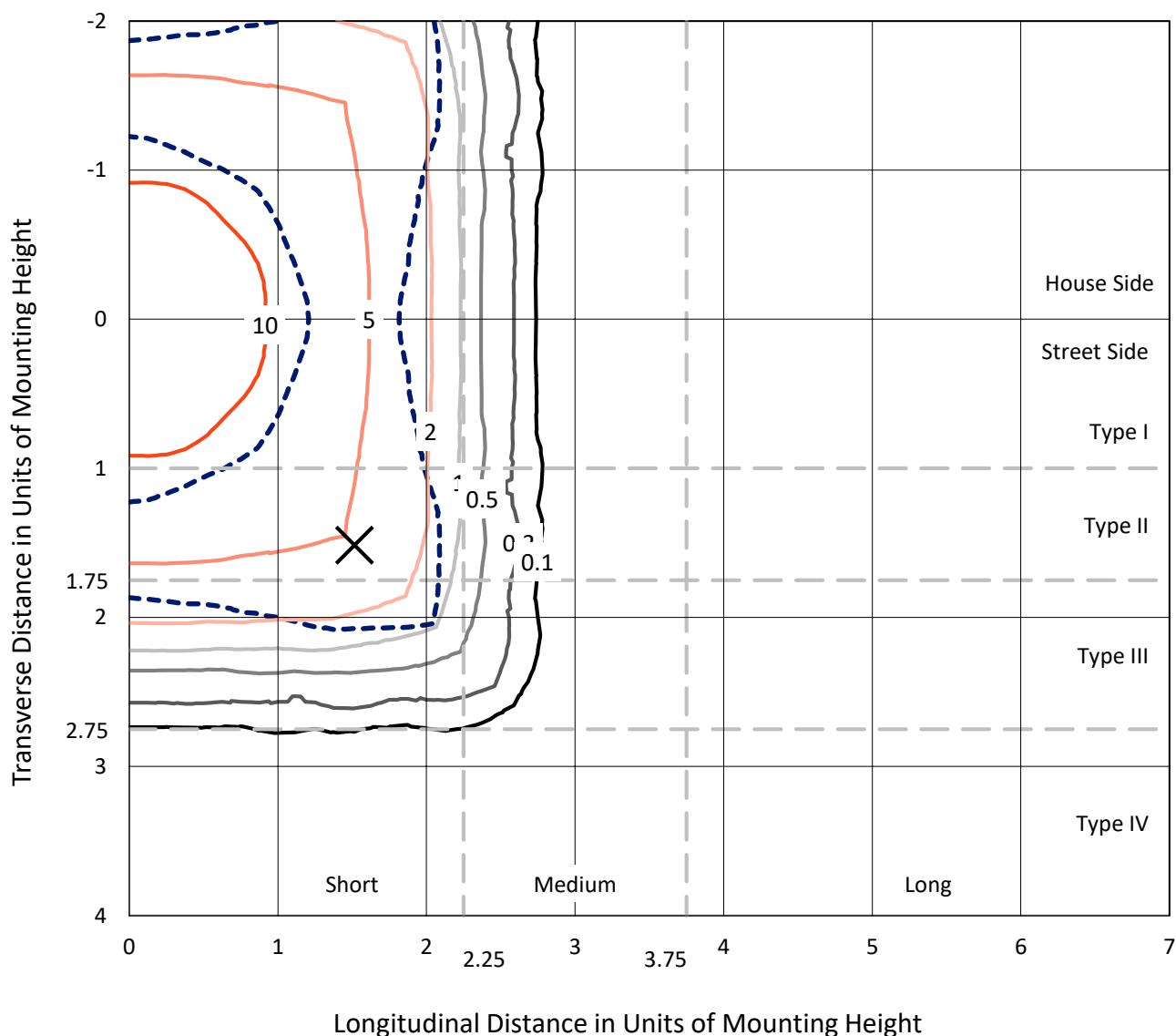
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

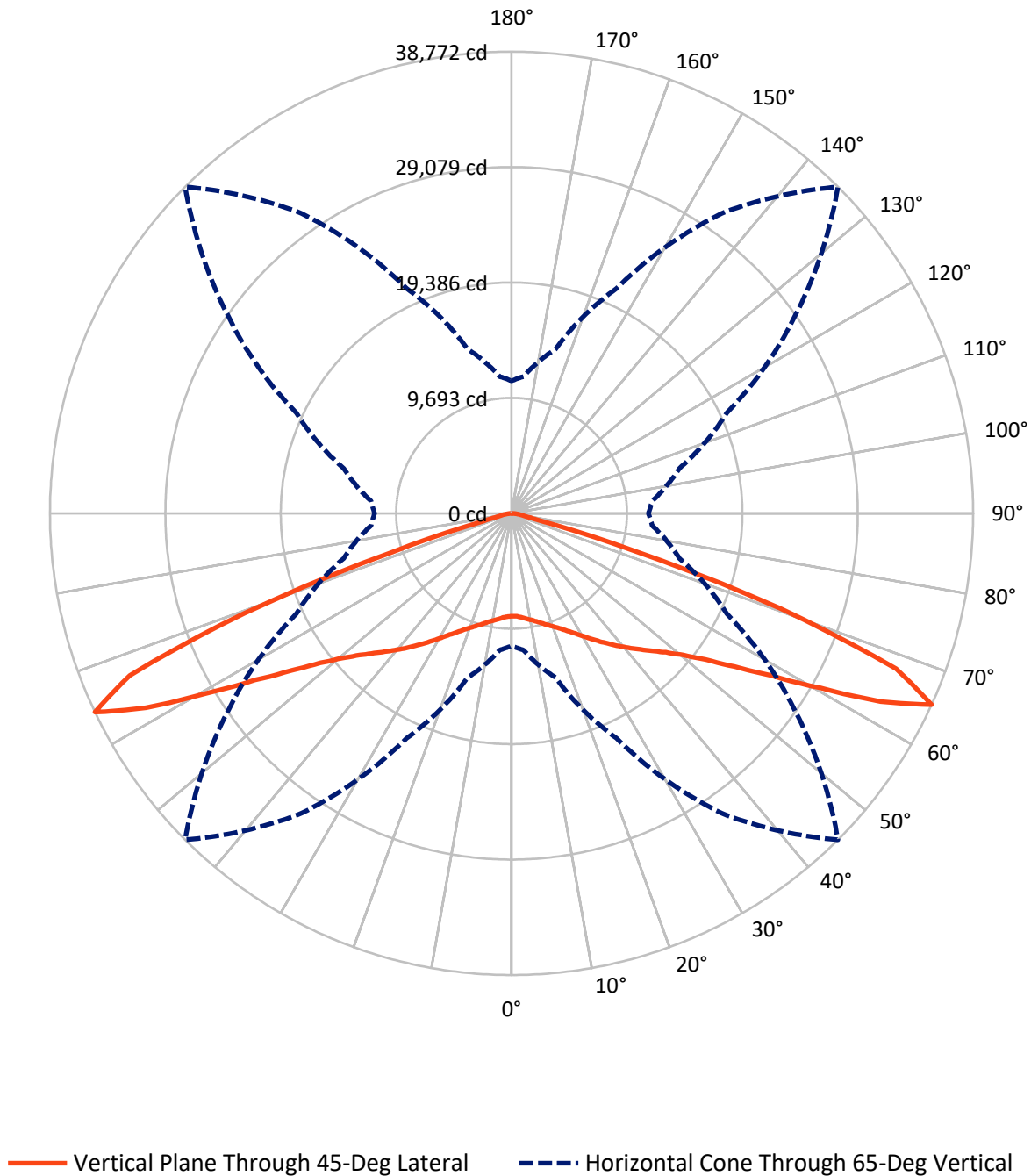
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35775.5	0.0	35775.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35775.5	0.0	35775.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71551.0	0.0	71551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.7	1.2
10°-20°	2725.0	3.8
20°-30°	5112.5	7.1
30°-40°	8455.1	11.8
40°-50°	13095.8	18.3
50°-60°	20085.3	28.1
60°-70°	18741.8	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°	71551.0	100.0
0°-180°	71551.0	100.0

Coefficient of Utilization



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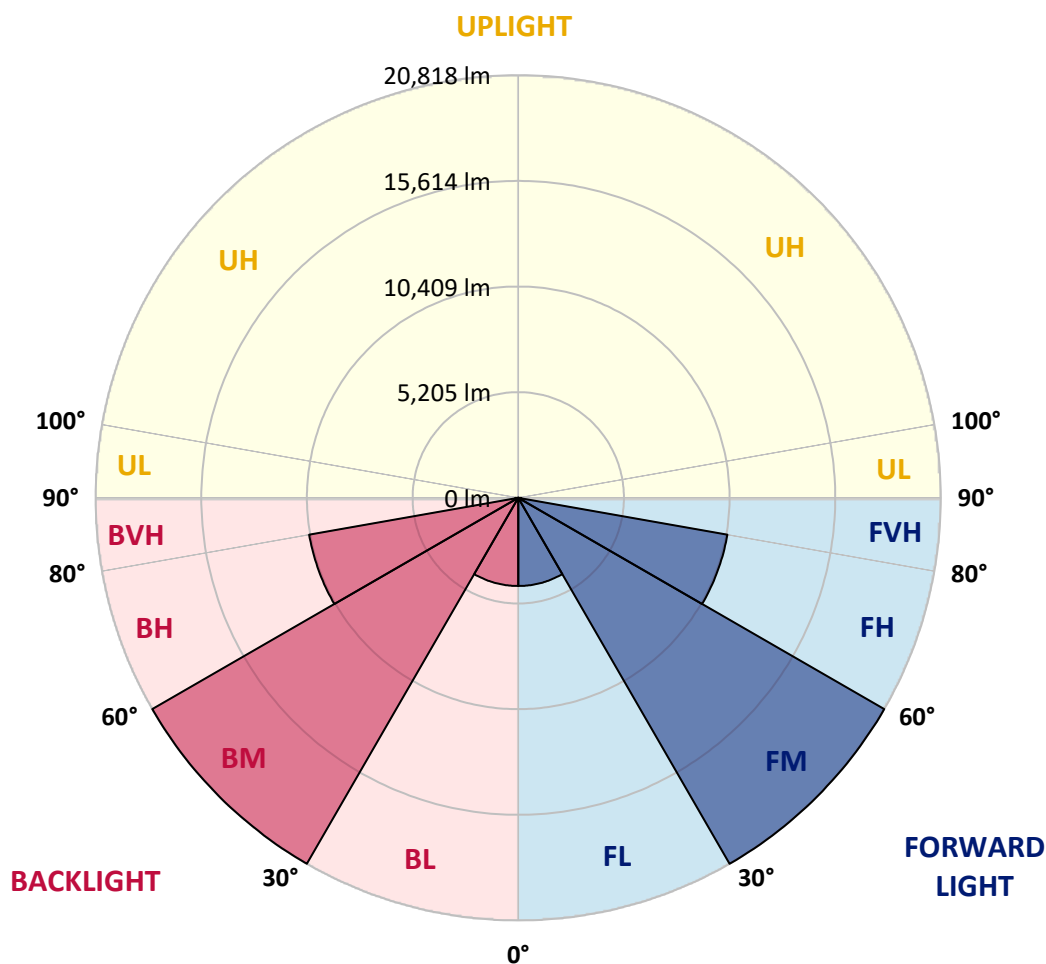
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4342.6	6.1			
FM	(30°-60°)	20818.1	29.1			
FH	(60°-80°)	10461.6	14.6			G4/12000
FVH	(80°-90°)	153.2	0.2			G2/225
BL	(0°-30°)	4342.6	6.1	B4/5000		
BM	(30°-60°)	20818.1	29.1	B5		
BH	(60°-80°)	10461.6	14.6	B5		G4/12000
BVH	(80°-90°)	153.2	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°	8640.7	8640.7	8640.7	8640.7	8640.7	8640.7	8640.7	8640.7	8640.7	8640.7	8640.7
2.5°	8669.2	8664.4	8669.2	8671.6	8657.3	8664.4	8662.1	8673.9	8678.7	8673.9	8673.9
5°	8768.9	8761.8	8771.3	8783.2	8764.2	8768.9	8761.8	8776.1	8780.8	8771.3	8778.4
7.5°	8906.7	8909.1	8918.6	8940.0	8928.1	8937.6	8923.3	8925.7	8923.3	8909.1	8911.5
10°	9056.3	9058.7	9075.3	9103.8	9108.6	9108.6	9099.1	9092.0	9082.5	9073.0	9075.3
12.5°	9236.8	9248.7	9260.6	9296.2	9296.2	9315.2	9310.5	9291.5	9274.8	9260.6	9260.6
15°	9481.5	9479.1	9493.4	9529.0	9545.6	9576.5	9576.5	9550.4	9529.0	9514.7	9510.0
17.5°	9738.0	9745.1	9754.6	9797.4	9823.5	9859.1	9863.9	9842.5	9828.2	9809.2	9797.4
20°	10037.3	10049.1	10087.1	10103.8	10127.5	10160.8	10172.6	10167.9	10153.6	10144.1	10146.5
22.5°	10386.4	10417.3	10441.0	10464.8	10493.3	10517.0	10528.9	10545.5	10531.3	10524.2	10519.4
25°	10809.2	10830.6	10878.1	10920.8	10939.8	10946.9	10961.2	10984.9	10982.6	10965.9	10965.9
27.5°	11288.9	11329.3	11388.7	11450.5	11450.5	11426.7	11474.2	11514.6	11500.3	11479.0	11450.5
30°	11870.9	11908.9	11977.7	12063.2	12020.5	12003.9	12068.0	12141.6	12120.2	12084.6	12079.9
32.5°	12497.9	12533.5	12623.8	12716.4	12661.8	12638.0	12706.9	12813.8	12775.8	12704.5	12661.8
35°	13177.2	13212.8	13341.1	13452.7	13360.1	13319.7	13376.7	13493.1	13426.6	13293.6	13260.3
37.5°	13915.8	13934.8	14101.1	14215.1	14151.0	14044.1	14115.3	14200.8	14143.8	13982.3	13918.2
40°	14683.0	14751.9	14944.3	15077.3	14965.6	14797.0	14915.8	15034.5	14949.0	14742.4	14633.1
42.5°	15578.4	15630.7	15887.2	16005.9	15825.4	15587.9	15749.4	15910.9	15825.4	15625.9	15530.9
45°	16509.5	16590.2	16896.6	17015.4	16754.1	16452.5	16649.6	16932.2	16925.1	16637.7	16538.0
47.5°	17523.6	17604.4	17970.2	18126.9	17844.3	17440.5	17718.4	18117.4	18088.9	17773.0	17692.3
50°	18694.6	18780.1	19236.1	19433.2	19169.6	18699.3	19117.3	19468.9	19416.6	19027.1	19034.2
52.5°	20164.8	20160.0	20727.7	21069.7	20798.9	20383.3	20768.1	21110.1	20893.9	20354.8	20338.2
55°	21452.1	21530.5	22233.5	22881.9	22865.3	22706.2	22860.5	22874.8	22257.3	21540.0	21452.1
57.5°	22297.6	22447.3	23437.7	24611.0	25489.8	25701.2	25401.9	24494.6	23048.2	21901.0	21760.9
60°	21777.5	22005.5	23561.2	25952.9	28541.8	29784.0	28095.3	25280.8	22433.0	20834.6	20644.5
62.5°	18267.1	18651.8	20929.6	25304.5	31168.7	34800.3	30047.7	24019.6	19986.6	17784.9	17459.5
65°	11125.1	11531.2	14276.9	20827.4	30743.6	38771.5	29157.0	19936.8	14588.0	11849.5	11498.0
67.5°	3707.6	3826.3	5443.8	11512.2	24162.1	34835.9	24202.5	11935.0	6348.7	4208.7	4085.2
70°	1451.2	1463.1	1726.7	3337.0	11410.1	23927.0	12590.5	3396.4	1805.1	1427.4	1458.3
72.5°	1066.4	1071.2	1144.8	1394.2	2973.7	10540.8	3080.5	1401.3	1113.9	999.9	999.9
75°	857.4	857.4	909.7	1016.6	1332.4	2417.9	1351.4	1004.7	871.7	798.0	788.5
77.5°	676.9	691.2	731.5	800.4	902.5	1163.8	935.8	795.7	703.0	634.2	619.9
80°	503.5	517.8	584.3	617.5	648.4	807.5	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)