

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: P383691

Luminaire Tested: **GAN-SA9D-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383691
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-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 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: 66654.1 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

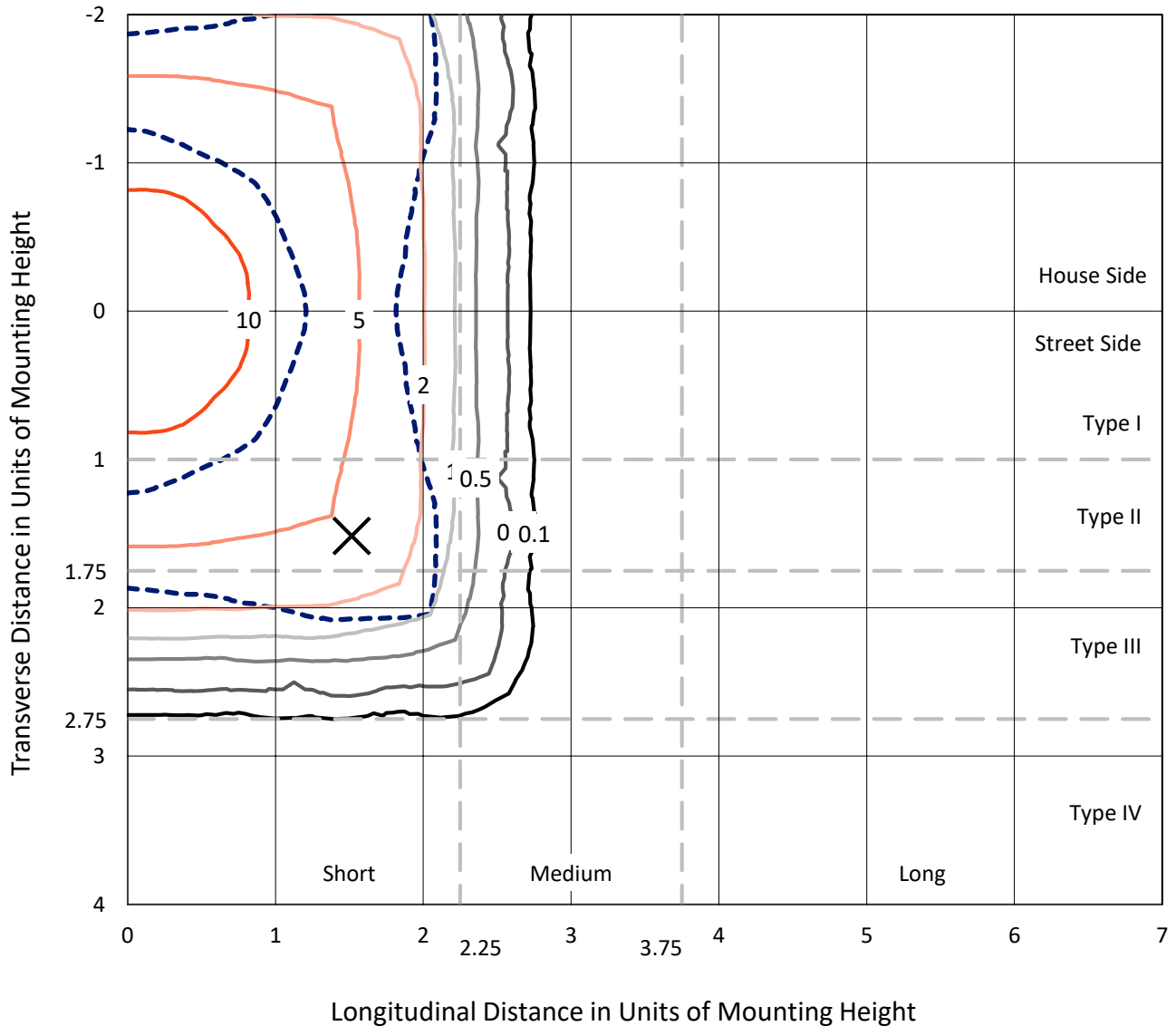
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

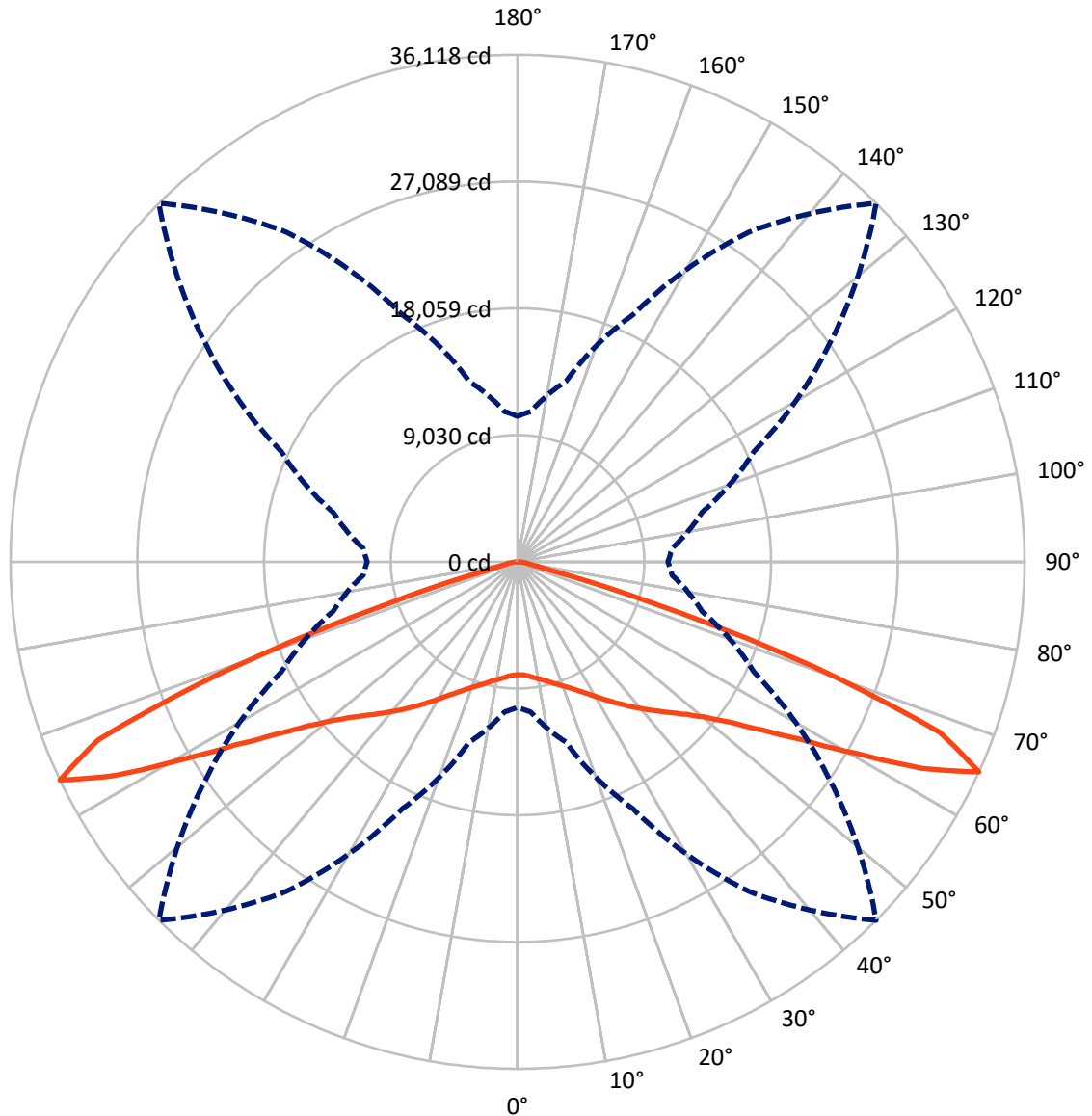
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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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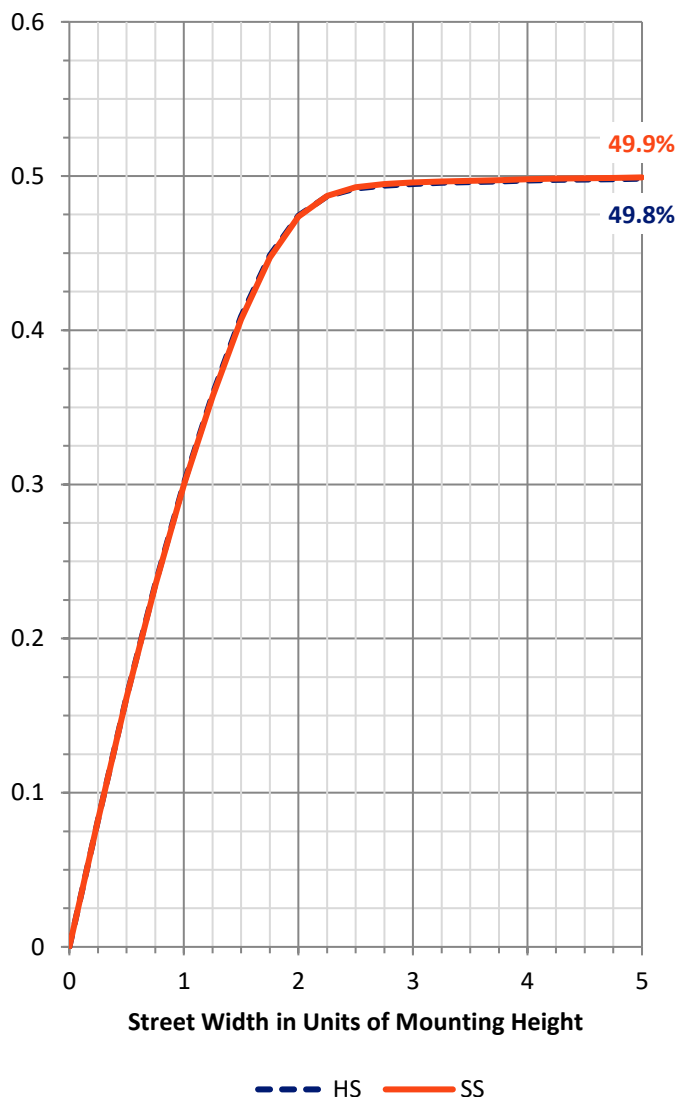
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33327.0	0.0	33327.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33327.0	0.0	33327.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66654.1	0.0	66654.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.7	1.2
10°-20°	2538.5	3.8
20°-30°	4762.6	7.1
30°-40°	7876.4	11.8
40°-50°	12199.5	18.3
50°-60°	18710.7	28.1
60°-70°	17459.2	26.2
70°-80°	2032.0	3.0
80°-90°	285.5	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°	66654.1	100.0
0°-180°	66654.1	100.0

Coefficient of Utilization

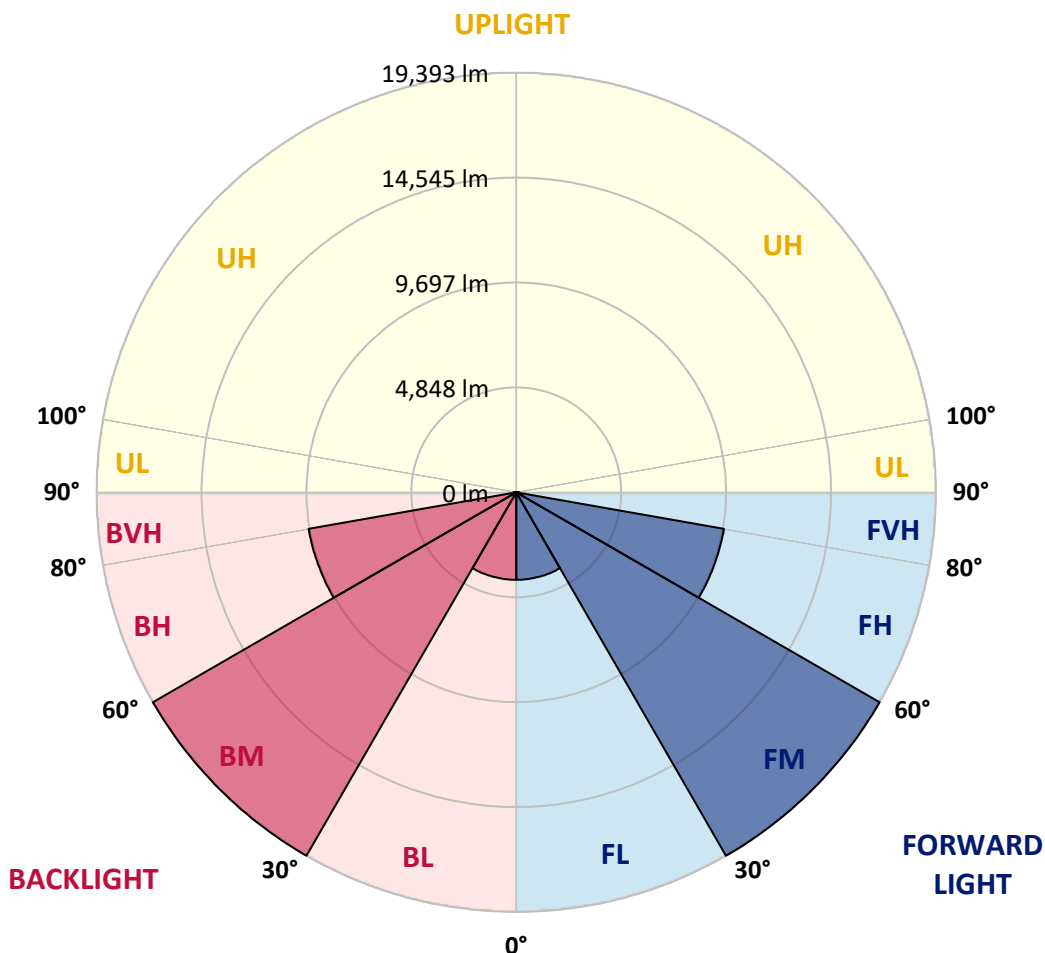


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4045.4	6.1			
FM (30°-60°)	19393.3	29.1			
FH (60°-80°)	9745.6	14.6			G4/12000
FVH (80°-90°)	142.8	0.2			G2/225
BL (0°-30°)	4045.4	6.1	B4/5000		
BM (30°-60°)	19393.3	29.1	B5		
BH (60°-80°)	9745.6	14.6	B5		G4/12000
BVH (80°-90°)	142.8	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°	8049.3	8049.3	8049.3	8049.3	8049.3	8049.3	8049.3	8049.3	8049.3	8049.3	8049.3
2.5°	8075.9	8071.5	8075.9	8078.1	8064.8	8071.5	8069.3	8080.3	8084.7	8080.3	8080.3
5°	8168.8	8162.1	8171.0	8182.1	8164.4	8168.8	8162.1	8175.4	8179.8	8171.0	8177.7
7.5°	8297.1	8299.3	8308.2	8328.1	8317.0	8325.9	8312.7	8314.8	8312.7	8299.3	8301.6
10°	8436.6	8438.7	8454.3	8480.8	8485.2	8485.2	8476.3	8469.7	8460.9	8452.0	8454.3
12.5°	8604.7	8615.7	8626.8	8660.0	8660.0	8677.7	8673.3	8655.6	8640.1	8626.8	8626.8
15°	8832.6	8830.3	8843.6	8876.8	8892.3	8921.1	8921.1	8896.7	8876.8	8863.6	8859.1
17.5°	9071.5	9078.2	9087.1	9126.8	9151.2	9184.4	9188.8	9168.9	9155.6	9137.9	9126.8
20°	9350.3	9361.4	9396.8	9412.3	9434.4	9465.4	9476.4	9472.0	9458.7	9449.9	9452.1
22.5°	9675.5	9704.3	9726.5	9748.6	9775.1	9797.3	9808.4	9823.8	9810.5	9803.9	9799.5
25°	10069.4	10089.3	10133.6	10173.4	10191.1	10197.7	10211.0	10233.1	10230.9	10215.4	10215.4
27.5°	10516.3	10554.0	10609.3	10666.8	10666.8	10644.7	10688.9	10726.5	10713.3	10693.3	10666.8
30°	11058.4	11093.8	11158.0	11237.6	11197.9	11182.3	11242.1	11310.7	11290.7	11257.6	11253.1
32.5°	11642.6	11675.7	11759.8	11846.1	11795.2	11773.1	11837.3	11936.9	11901.5	11835.0	11795.2
35°	12275.4	12308.5	12428.0	12532.0	12445.7	12408.1	12461.2	12569.6	12507.6	12383.7	12352.8
37.5°	12963.4	12981.1	13136.0	13242.2	13182.5	13082.9	13149.3	13228.9	13175.8	13025.4	12965.7
40°	13678.1	13742.3	13921.5	14045.4	13941.4	13784.3	13895.0	14005.5	13925.9	13733.4	13631.6
42.5°	14512.2	14560.9	14799.9	14910.5	14742.4	14521.1	14671.5	14822.0	14742.4	14556.5	14468.0
45°	15379.6	15454.8	15740.2	15850.8	15607.4	15326.5	15510.1	15773.4	15766.7	15499.1	15406.1
47.5°	16324.3	16399.5	16740.3	16886.3	16623.0	16246.9	16505.7	16877.5	16851.0	16556.7	16481.4
50°	17415.1	17494.7	17919.6	18103.2	17857.7	17419.6	17809.0	18136.4	18087.8	17724.9	17731.5
52.5°	18784.8	18780.3	19309.1	19627.7	19375.4	18988.3	19346.7	19665.3	19463.9	18961.7	18946.2
55°	19983.9	20057.0	20711.8	21315.9	21300.4	21152.2	21296.0	21309.2	20734.0	20065.8	19983.9
57.5°	20771.6	20911.0	21833.6	22926.6	23745.3	23942.2	23663.5	22818.3	21470.8	20402.1	20271.6
60°	20287.1	20499.5	21948.7	24176.7	26588.4	27745.6	26172.5	23550.5	20897.7	19408.7	19231.6
62.5°	17016.9	17375.3	19497.2	23572.7	29035.5	32418.6	27991.2	22375.7	18618.7	16567.8	16264.6
65°	10363.7	10742.0	13299.8	19402.0	28639.5	36118.0	27161.5	18572.3	13589.6	11038.5	10711.0
67.5°	3453.8	3564.5	5071.3	10724.3	22508.4	32451.8	22546.1	11118.1	5914.2	3920.7	3805.7
70°	1351.9	1362.9	1608.5	3108.7	10629.1	22289.4	11728.8	3164.0	1681.5	1329.8	1358.5
72.5°	993.4	997.9	1066.4	1298.8	2770.1	9819.4	2869.7	1305.4	1037.7	931.5	931.5
75°	798.7	798.7	847.4	947.0	1241.3	2252.4	1259.0	935.9	812.0	743.5	734.6
77.5°	630.6	643.9	681.4	745.6	840.8	1084.1	871.7	741.2	654.9	590.8	577.5
80°	469.0	482.4	544.3	575.2	604.0	752.3	643.9	579.7	517.8	442.5	429.3
82.5°	307.5	320.8	398.2	415.9	409.3	491.2	433.6	427.0	380.5	285.4	272.1
85°	201.3	205.8	265.5	276.6	254.4	223.5	276.6	292.0	265.5	185.8	179.2
87.5°	95.1	95.1	135.0	126.1	115.0	93.0	126.1	148.2	150.4	90.7	88.5
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)