

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: P316822

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316822
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-SA8D-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 64144 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

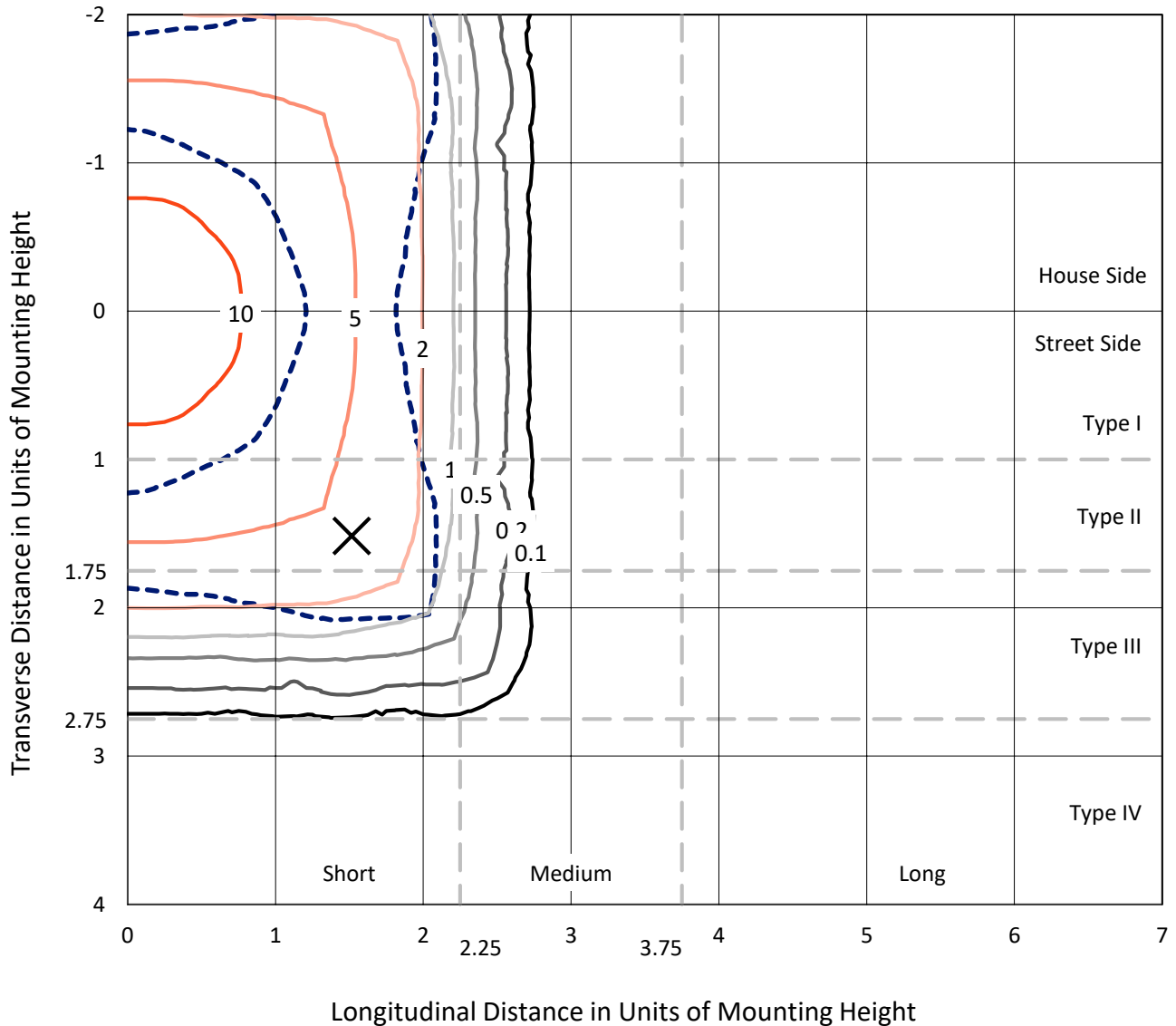
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

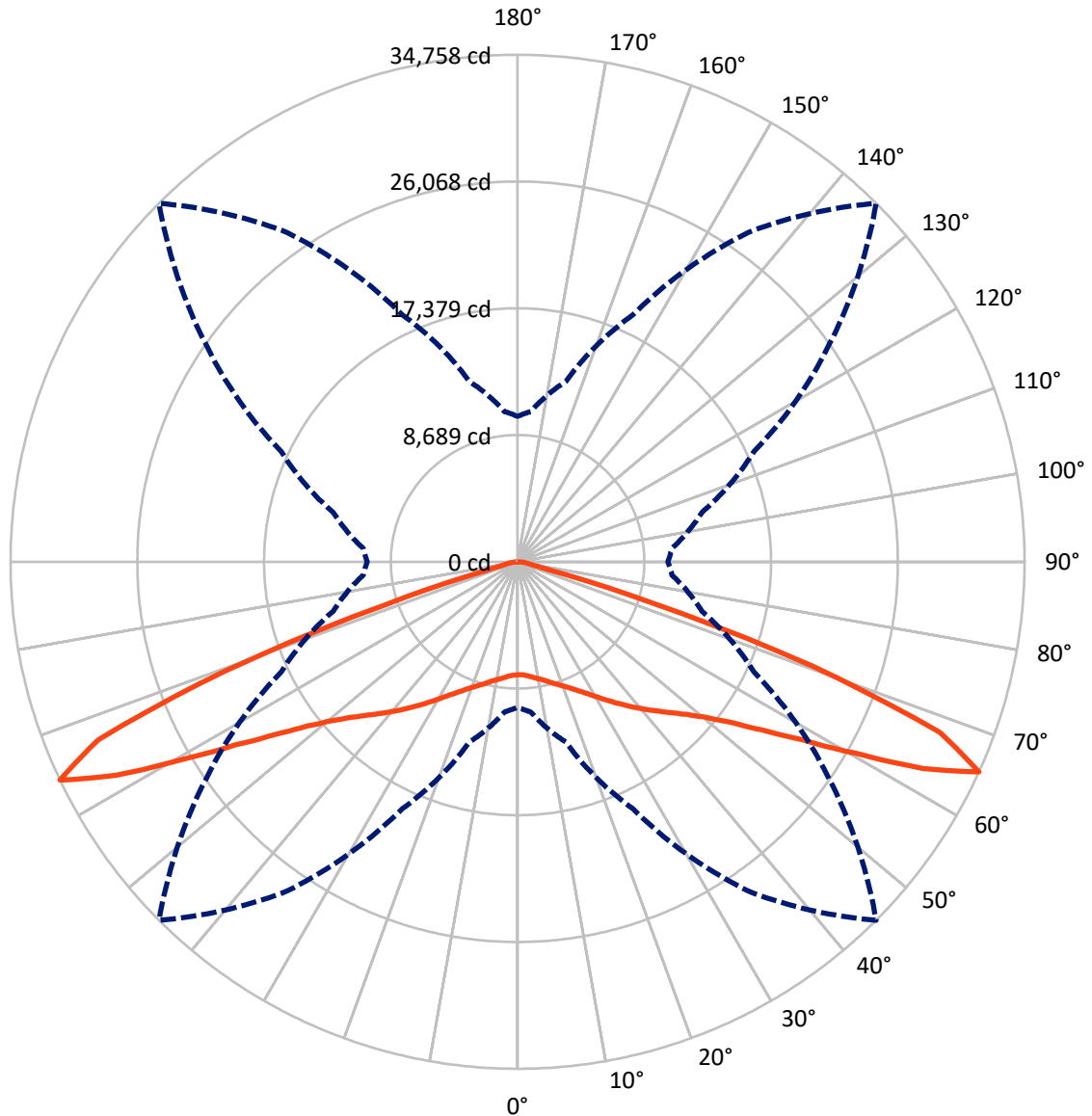
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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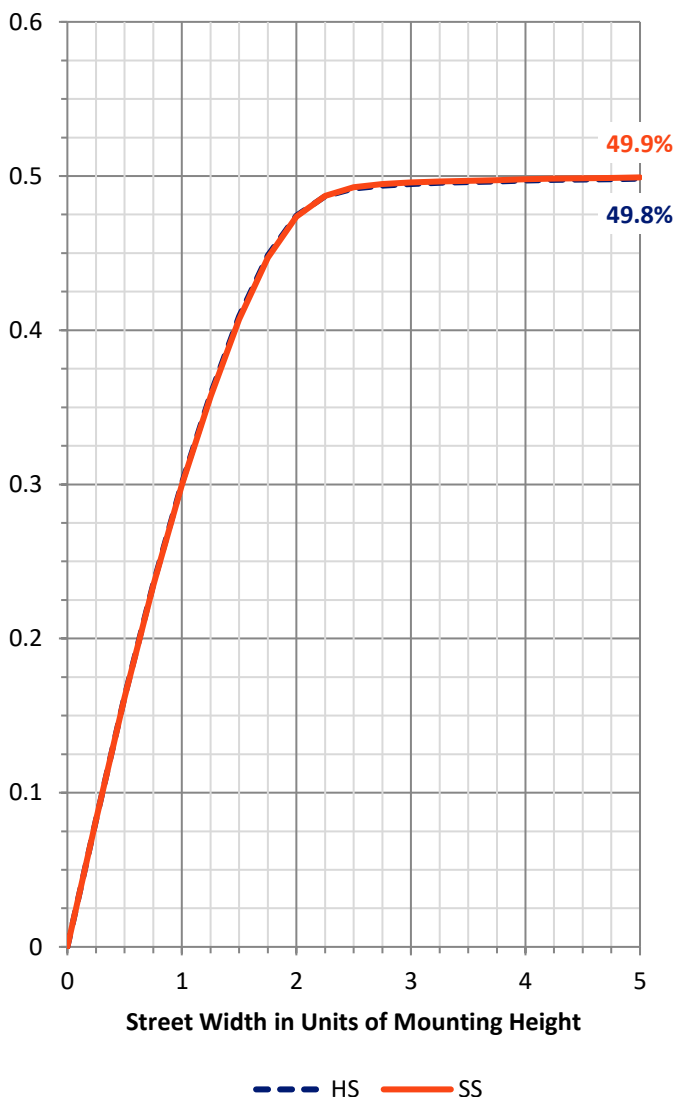
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32072.0	0.0	32072.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32072.0	0.0	32072.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	64144.0	0.0	64144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.0	1.2
10°-20°	2442.9	3.8
20°-30°	4583.3	7.1
30°-40°	7579.8	11.8
40°-50°	11740.1	18.3
50°-60°	18006.0	28.1
60°-70°	16801.7	26.2
70°-80°	1955.5	3.0
80°-90°	274.8	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°	64144.0	100.0
0°-180°	64144.0	100.0

Coefficient of Utilization

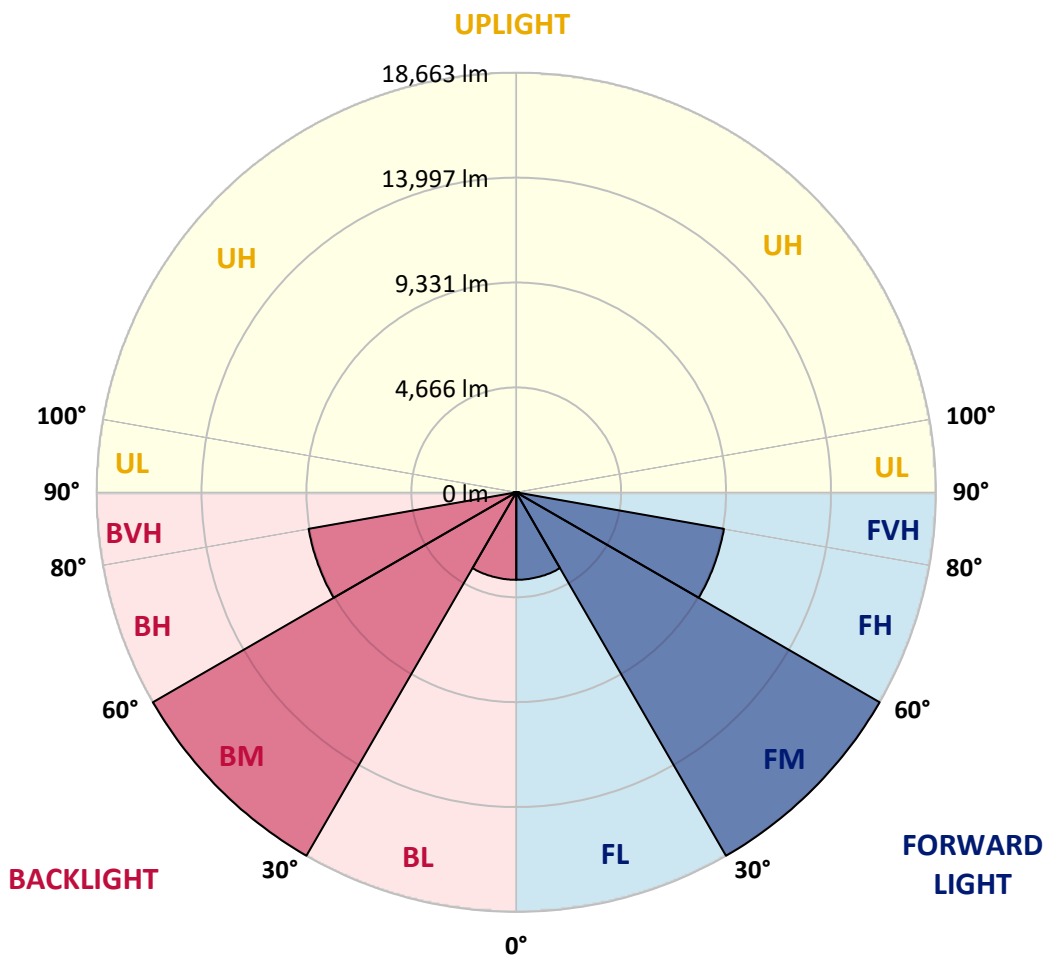


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3893.1	6.1			
FM (30°-60°)	18663.0	29.1			
FH (60°-80°)	9378.6	14.6			G4/12000
FVH (80°-90°)	137.4	0.2			G2/225
BL (0°-30°)	3893.1	6.1	B4/5000		
BM (30°-60°)	18663.0	29.1	B5		
BH (60°-80°)	9378.6	14.6	B5		G4/12000
BVH (80°-90°)	137.4	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°	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2	7746.2
2.5°	7771.8	7767.5	7771.8	7773.9	7761.1	7767.5	7765.4	7776.0	7780.3	7776.0	7776.0
5°	7861.2	7854.8	7863.3	7874.0	7856.9	7861.2	7854.8	7867.6	7871.8	7863.3	7869.7
7.5°	7984.7	7986.8	7995.3	8014.5	8003.8	8012.4	7999.6	8001.7	7999.6	7986.8	7988.9
10°	8118.8	8120.9	8135.9	8161.4	8165.7	8165.7	8157.1	8150.8	8142.2	8133.7	8135.9
12.5°	8280.6	8291.3	8301.9	8333.9	8333.9	8350.9	8346.6	8329.6	8314.7	8301.9	8301.9
15°	8500.0	8497.8	8510.6	8542.5	8557.4	8585.1	8585.1	8561.7	8542.5	8529.8	8525.5
17.5°	8729.9	8736.3	8744.8	8783.1	8806.6	8838.5	8842.8	8823.6	8810.8	8793.8	8783.1
20°	8998.2	9008.8	9042.9	9057.8	9079.1	9108.9	9119.6	9115.3	9102.5	9094.0	9096.1
22.5°	9311.2	9338.9	9360.2	9381.5	9407.0	9428.3	9439.0	9453.9	9441.1	9434.7	9430.4
25°	9690.2	9709.4	9752.0	9790.3	9807.3	9813.7	9826.5	9847.8	9845.6	9830.7	9830.7
27.5°	10120.3	10156.5	10209.7	10265.1	10265.1	10243.8	10286.4	10322.6	10309.8	10290.7	10265.1
30°	10642.0	10676.0	10737.8	10814.4	10776.1	10761.2	10818.7	10884.7	10865.5	10833.6	10829.3
32.5°	11204.1	11236.0	11316.9	11400.0	11351.0	11329.7	11391.5	11487.3	11453.2	11389.3	11351.0
35°	11813.1	11845.0	11960.0	12060.1	11977.0	11940.8	11991.9	12096.3	12036.6	11917.4	11887.6
37.5°	12475.3	12492.3	12641.3	12743.5	12686.1	12590.2	12654.1	12730.8	12679.7	12534.9	12477.4
40°	13163.0	13224.8	13397.2	13516.5	13416.4	13265.2	13371.7	13478.1	13401.5	13216.2	13118.3
42.5°	13965.7	14012.6	14242.5	14349.0	14187.2	13974.2	14119.0	14263.8	14187.2	14008.3	13923.1
45°	14800.4	14872.8	15147.5	15253.9	15019.7	14749.3	14926.0	15179.4	15173.0	14915.4	14825.9
47.5°	15709.6	15782.0	16109.9	16250.4	15997.0	15635.1	15884.2	16241.9	16216.3	15933.2	15860.8
50°	16759.3	16836.0	17244.8	17421.5	17185.2	16763.6	17138.3	17453.4	17406.6	17057.4	17063.8
52.5°	18077.3	18073.0	18581.9	18888.5	18645.8	18273.2	18618.1	18924.7	18731.0	18247.6	18232.7
55°	19231.4	19301.6	19931.9	20513.2	20498.3	20355.6	20494.0	20506.8	19953.2	19310.1	19231.4
57.5°	19989.4	20123.5	21011.4	22063.3	22851.1	23040.6	22772.3	21958.9	20662.2	19633.8	19508.2
60°	19523.1	19727.5	21122.1	23266.3	25587.2	26700.8	25186.9	22663.7	20110.7	18677.8	18507.4
62.5°	16376.0	16721.0	18762.9	22685.0	27942.1	31197.7	26937.1	21533.1	17917.6	15943.8	15652.1
65°	9973.4	10337.5	12798.9	18671.4	27561.0	34757.8	26138.6	17872.9	13077.8	10622.8	10307.7
67.5°	3323.8	3430.2	4880.2	10320.5	21660.8	31229.7	21697.0	10699.5	5691.5	3773.0	3662.3
70°	1301.0	1311.6	1548.0	2991.6	10228.9	21450.0	11287.1	3044.8	1618.2	1279.7	1307.4
72.5°	956.0	960.3	1026.3	1249.9	2665.8	9449.6	2761.6	1256.3	998.6	896.4	896.4
75°	768.7	768.7	815.5	911.3	1194.5	2167.6	1211.5	900.7	781.4	715.4	706.9
77.5°	606.8	619.6	655.8	717.6	809.1	1043.3	838.9	713.3	630.3	568.5	555.7
80°	451.4	464.2	523.8	553.6	581.3	723.9	619.6	557.9	498.2	425.8	413.1
82.5°	296.0	308.7	383.3	400.3	393.9	472.7	417.3	410.9	366.2	274.7	261.9
85°	193.8	198.0	255.5	266.2	244.9	215.1	266.2	281.1	255.5	178.9	172.5
87.5°	91.6	91.6	129.9	121.4	110.7	89.4	121.4	142.7	144.8	87.3	85.2
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)