

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: P653304

Luminaire Tested: **GLAN-SA4D-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4D-840-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22717.1 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 245
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

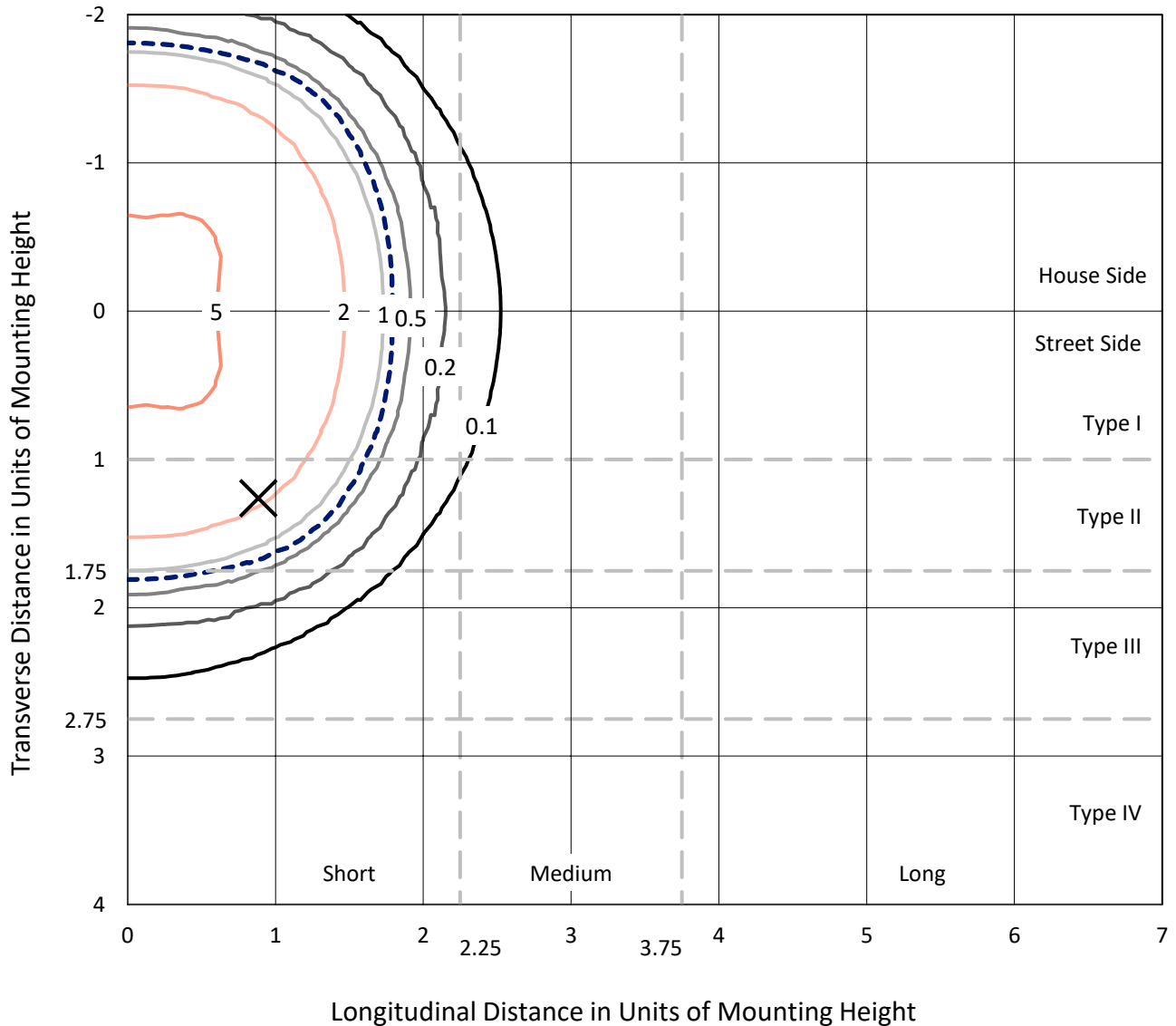




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Iso-Footcandle Lines of Horizontal Illumination

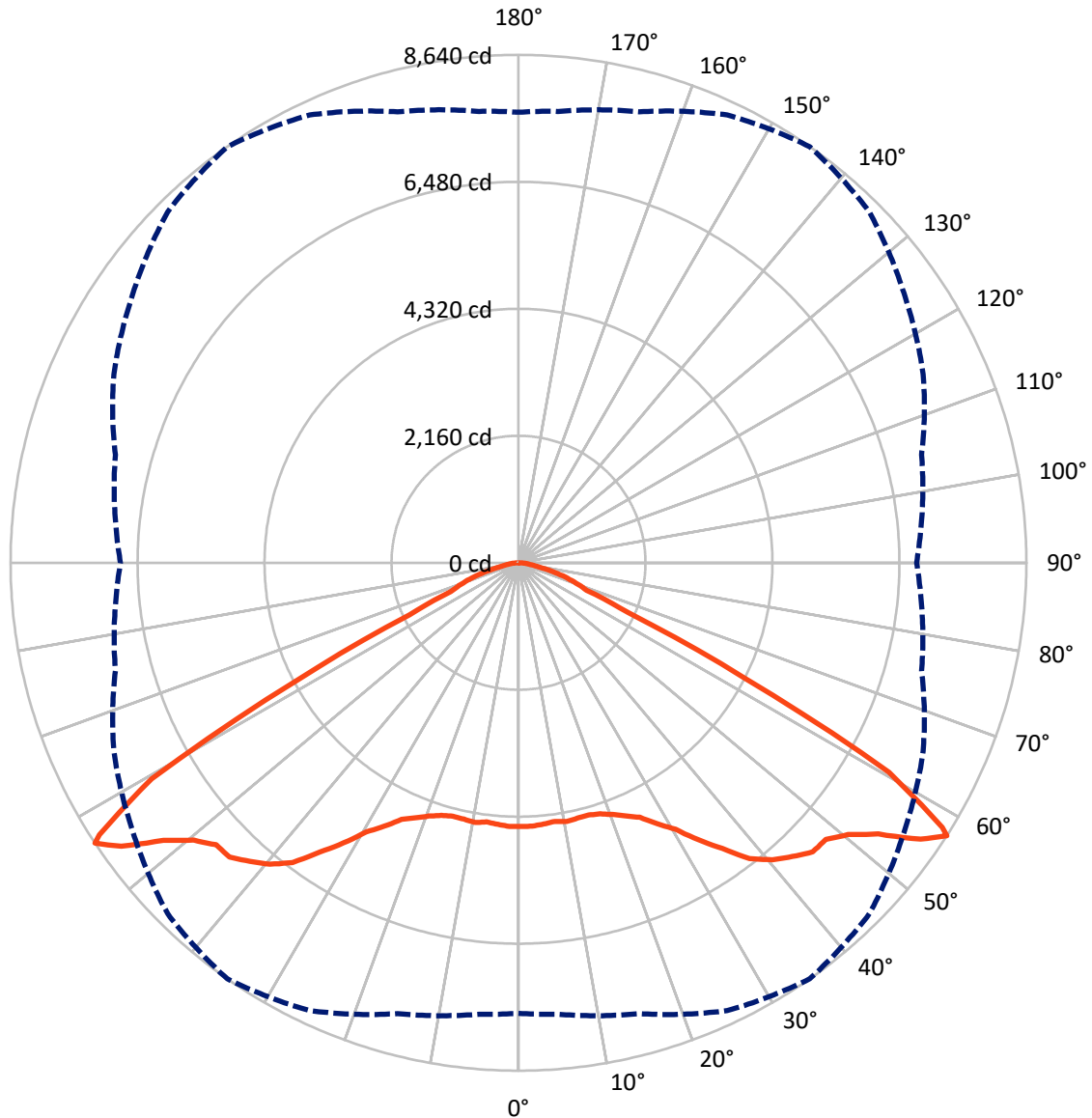
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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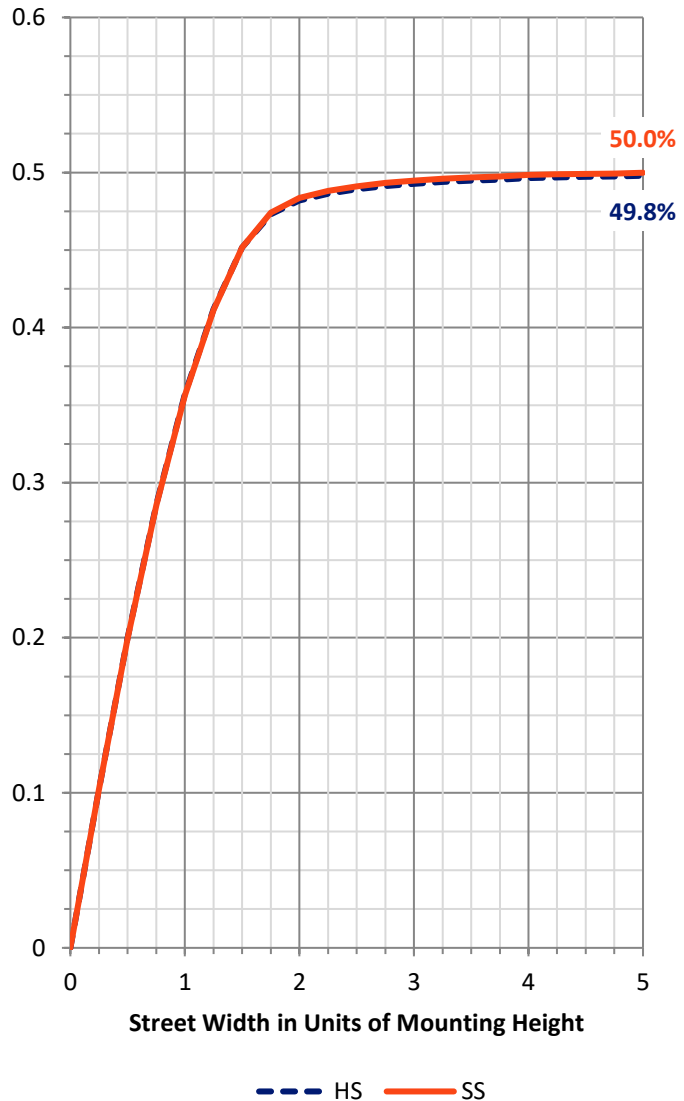
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11358.6	0.0	11358.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11358.6	0.0	11358.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	22717.1	0.0	22717.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.3	1.9
10°-20°	1259.7	5.5
20°-30°	2200.1	9.7
30°-40°	3604.9	15.9
40°-50°	5285.6	23.3
50°-60°	6657.7	29.3
60°-70°	2503.9	11.0
70°-80°	665.8	2.9
80°-90°	114.2	0.5
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°	22717.1	100.0
0°-180°	22717.1	100.0

Coefficient of Utilization

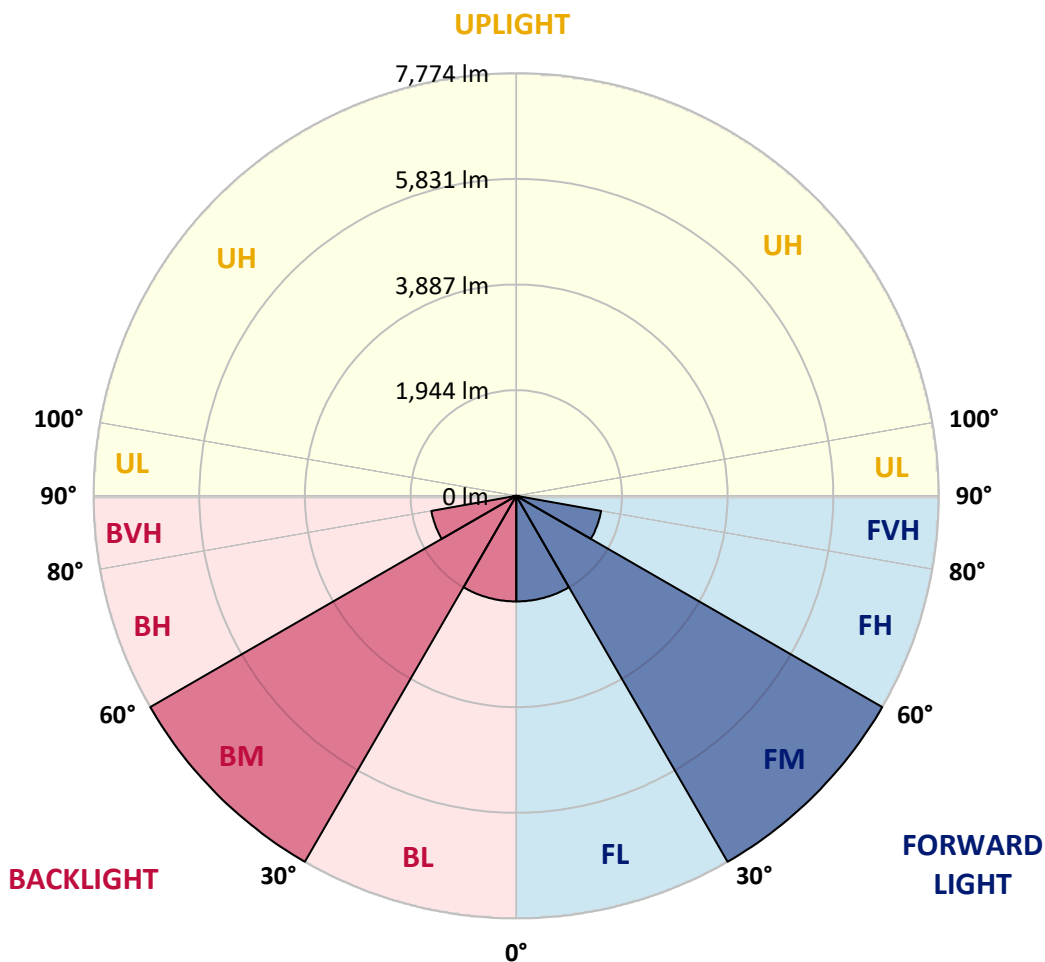


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1942.6	8.6			
FM (30°-60°)	7774.1	34.2			
FH (60°-80°)	1584.8	7.0			G1/1800
FVH (80°-90°)	57.1	0.3			G1/100
BL (0°-30°)	1942.6	8.6	B3/2500		
BM (30°-60°)	7774.1	34.2	B4/8500		
BH (60°-80°)	1584.8	7.0	B3/2500		G1/1800
BVH (80°-90°)	57.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4486.5	4486.5	4486.5	4486.5	4486.5	4486.5	4486.5	4486.5	4486.5	4486.5	4486.5
2.5°	4464.0	4508.9	4489.3	4478.1	4486.5	4472.4	4450.1	4475.3	4469.7	4447.3	4438.9
5°	4452.8	4486.5	4464.0	4486.5	4464.0	4503.2	4492.0	4450.1	4500.4	4452.8	4469.7
7.5°	4444.5	4455.7	4461.3	4450.1	4441.7	4489.3	4464.0	4444.5	4416.5	4408.1	4422.1
10°	4424.9	4452.8	4410.9	4466.9	4478.1	4444.5	4444.5	4408.1	4385.7	4371.7	4419.3
12.5°	4475.3	4427.7	4422.1	4450.1	4458.5	4472.4	4433.2	4413.7	4371.7	4377.3	4368.9
15°	4416.5	4436.1	4438.9	4444.5	4452.8	4486.5	4450.1	4408.1	4391.3	4332.5	4338.1
17.5°	4438.9	4419.3	4438.9	4503.2	4492.0	4517.3	4478.1	4413.7	4374.5	4340.9	4385.7
20°	4478.1	4469.7	4478.1	4556.5	4570.4	4592.8	4559.2	4500.4	4424.9	4385.7	4408.1
22.5°	4520.0	4514.5	4520.0	4595.6	4676.8	4704.7	4671.2	4534.0	4494.9	4422.1	4396.9
25°	4595.6	4601.2	4660.0	4743.9	4797.1	4850.3	4788.7	4690.8	4564.9	4520.0	4466.9
27.5°	4763.5	4777.6	4811.1	4934.2	5026.7	5074.2	4987.5	4853.1	4774.7	4682.4	4668.4
30°	4970.6	4970.6	5029.4	5135.8	5261.7	5334.5	5228.2	5068.6	4973.4	4923.0	4892.3
32.5°	5244.9	5214.1	5236.6	5424.0	5620.0	5681.5	5538.8	5342.9	5191.7	5124.5	5102.2
35°	5480.0	5499.6	5550.0	5751.5	5969.8	6112.6	5888.7	5633.9	5480.0	5418.5	5407.3
37.5°	5785.1	5818.7	5843.9	6121.0	6384.0	6437.2	6221.7	6017.4	5829.9	5779.5	5751.5
40°	6216.1	6193.7	6202.1	6406.4	6644.3	6677.9	6465.2	6319.7	6165.7	6134.9	6134.9
42.5°	6571.6	6546.3	6574.3	6650.0	6831.9	6806.6	6689.1	6582.8	6518.3	6484.8	6518.3
45°	6787.0	6781.5	6831.9	6887.8	7016.5	6932.6	6840.3	6857.0	6795.4	6739.5	6736.7
47.5°	7022.2	6985.8	7047.3	7131.3	7033.4	6994.2	6988.5	7025.0	7005.4	6907.4	6876.6
50°	7136.9	7122.9	7220.9	7318.8	7265.7	7176.1	7195.7	7254.5	7002.6	6871.1	6795.4
52.5°	7444.8	7447.6	7635.1	7688.3	7665.9	7534.4	7576.3	7416.8	7120.2	6935.4	6943.8
55°	7928.9	7909.4	8119.3	8276.0	8301.2	8133.3	7931.8	7707.8	7335.6	7148.1	7092.2
57°	7663.1	7707.8	7940.1	8404.8	8639.8	8441.1	8001.8	7593.1	7097.7	6871.1	6770.3
57.5°	7307.6	7380.4	7783.5	8250.8	8497.1	8480.3	7915.0	7380.4	6938.2	6585.5	6593.9
60°	5354.1	5368.1	5731.9	6473.6	7243.3	7260.0	6571.6	5863.5	5370.9	4987.5	5040.6
62.5°	2824.0	2888.3	3033.9	3630.0	4296.2	4458.5	4041.4	3677.6	3252.2	2961.1	2989.1
65°	1494.5	1486.1	1556.1	1724.0	2051.5	2135.5	2079.5	1791.2	1642.9	1595.3	1598.1
67.5°	1214.7	1228.7	1220.3	1228.7	1251.1	1287.4	1279.1	1290.3	1298.7	1312.6	1309.9
70°	1030.0	1030.0	1035.5	1038.4	1038.4	1055.1	1074.7	1111.1	1113.9	1127.9	1133.5
72.5°	811.6	806.0	814.4	834.0	836.9	850.8	878.8	901.2	909.6	909.6	892.8
75°	551.4	557.0	568.2	584.9	601.7	627.0	649.3	663.3	668.9	660.5	652.1
77.5°	310.7	316.3	324.6	349.9	369.5	391.8	417.1	431.0	445.0	447.8	431.0
80°	184.7	184.7	198.7	218.3	240.7	263.1	285.4	302.3	307.9	307.9	299.5
82.5°	111.9	114.7	126.0	145.6	165.1	179.1	198.7	212.7	223.9	221.1	215.5
85°	58.8	58.8	70.0	86.8	100.8	114.7	114.7	106.4	100.8	86.8	81.2
87.5°	19.6	16.8	22.4	22.4	19.6	22.4	22.4	25.2	25.2	25.2	25.2
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)