

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: P653365

Luminaire Tested: **GLAN-SA5D-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5D-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 80 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27640.3 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

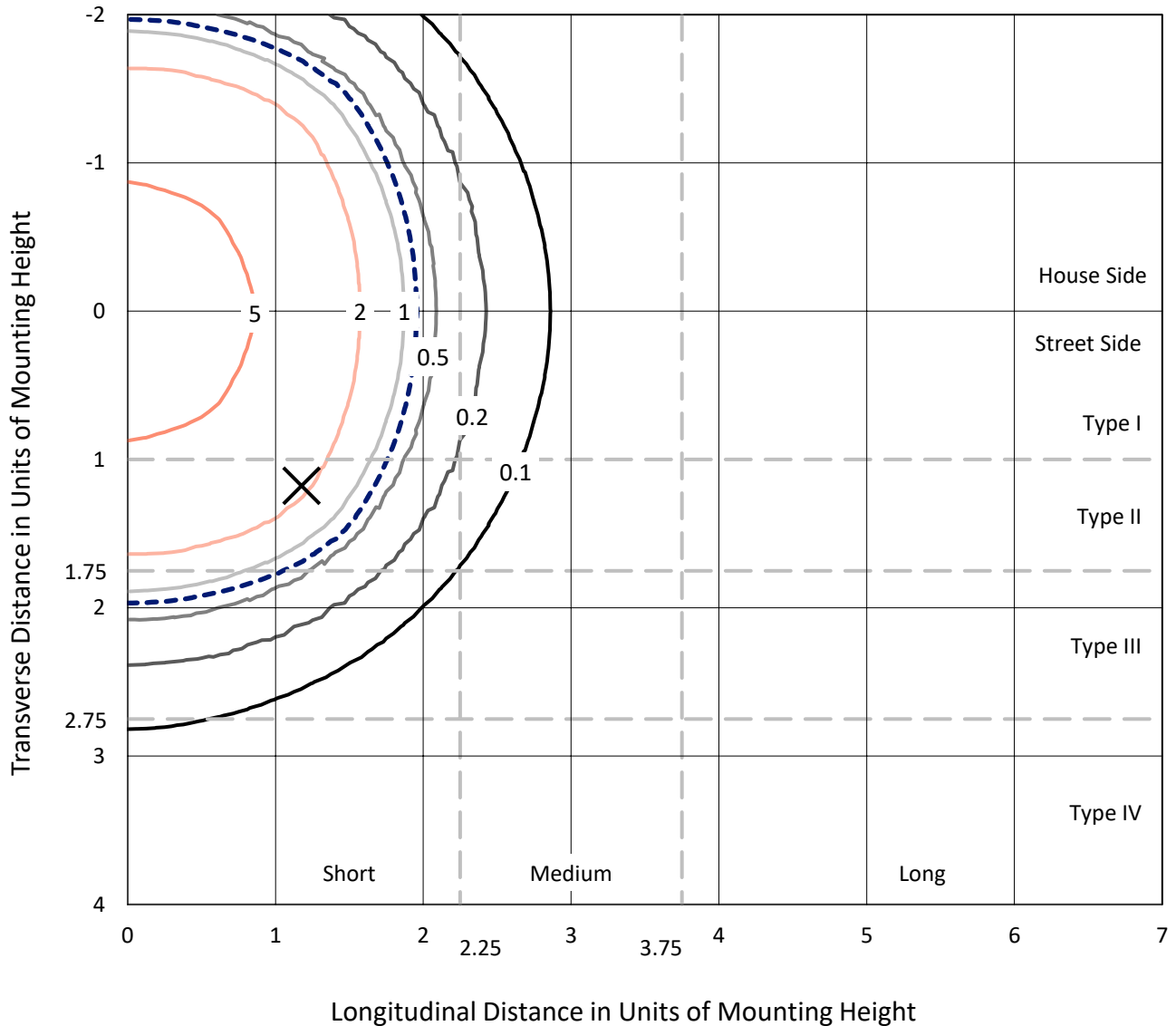
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

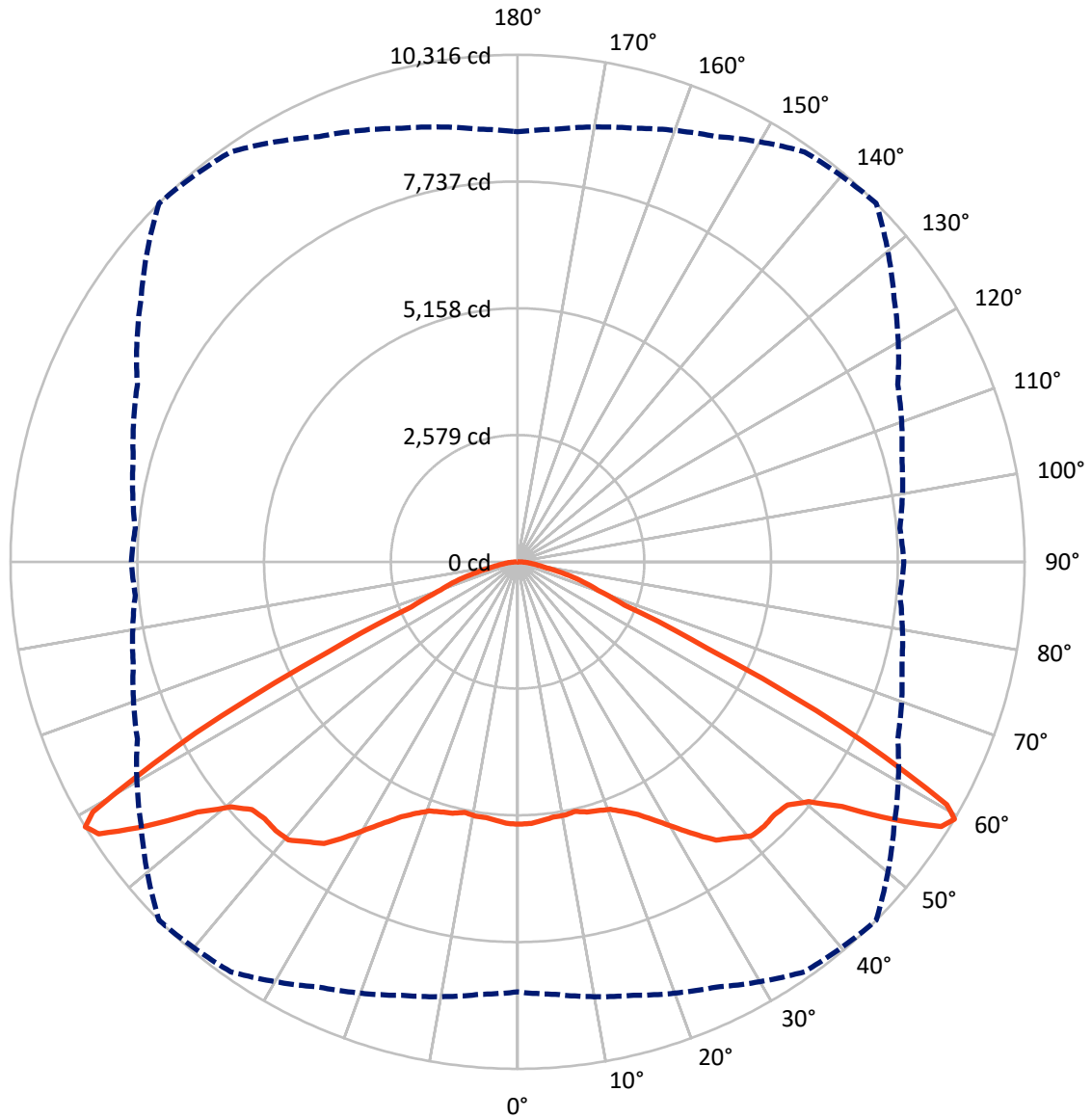
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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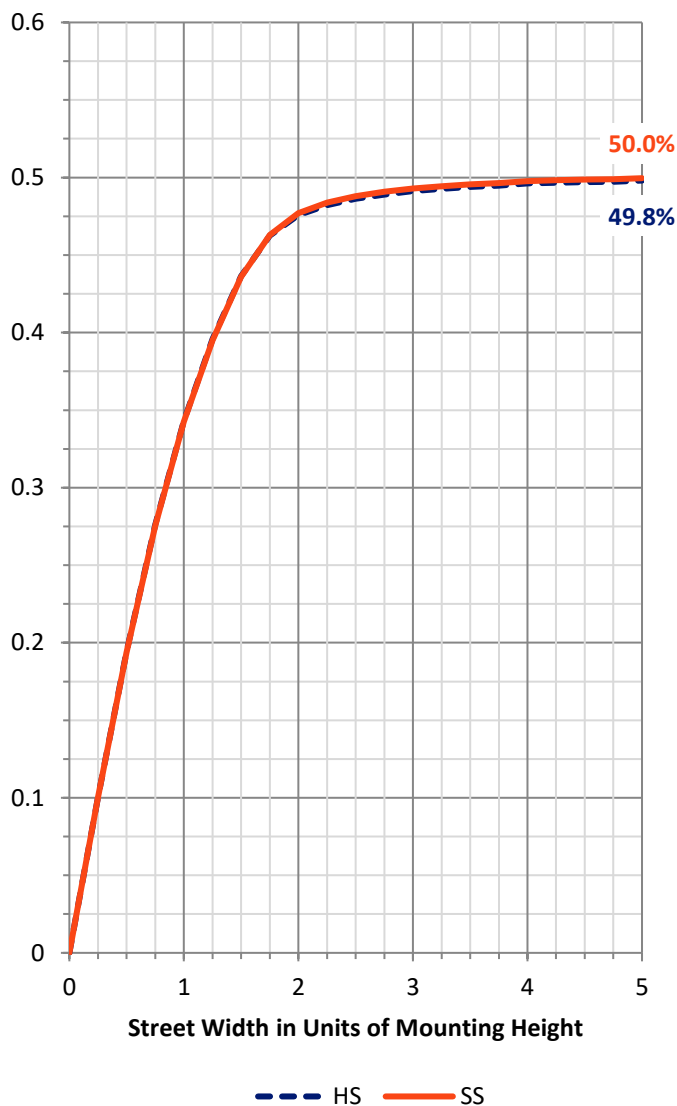
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13820.1	0.0	13820.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13820.1	0.0	13820.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	27640.3	0.0	27640.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.3	1.8
10°-20°	1496.7	5.4
20°-30°	2613.3	9.5
30°-40°	4173.9	15.1
40°-50°	5685.6	20.6
50°-60°	7688.5	27.8
60°-70°	4216.4	15.3
70°-80°	1078.7	3.9
80°-90°	184.0	0.7
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°	27640.3	100.0
0°-180°	27640.3	100.0

Coefficient of Utilization



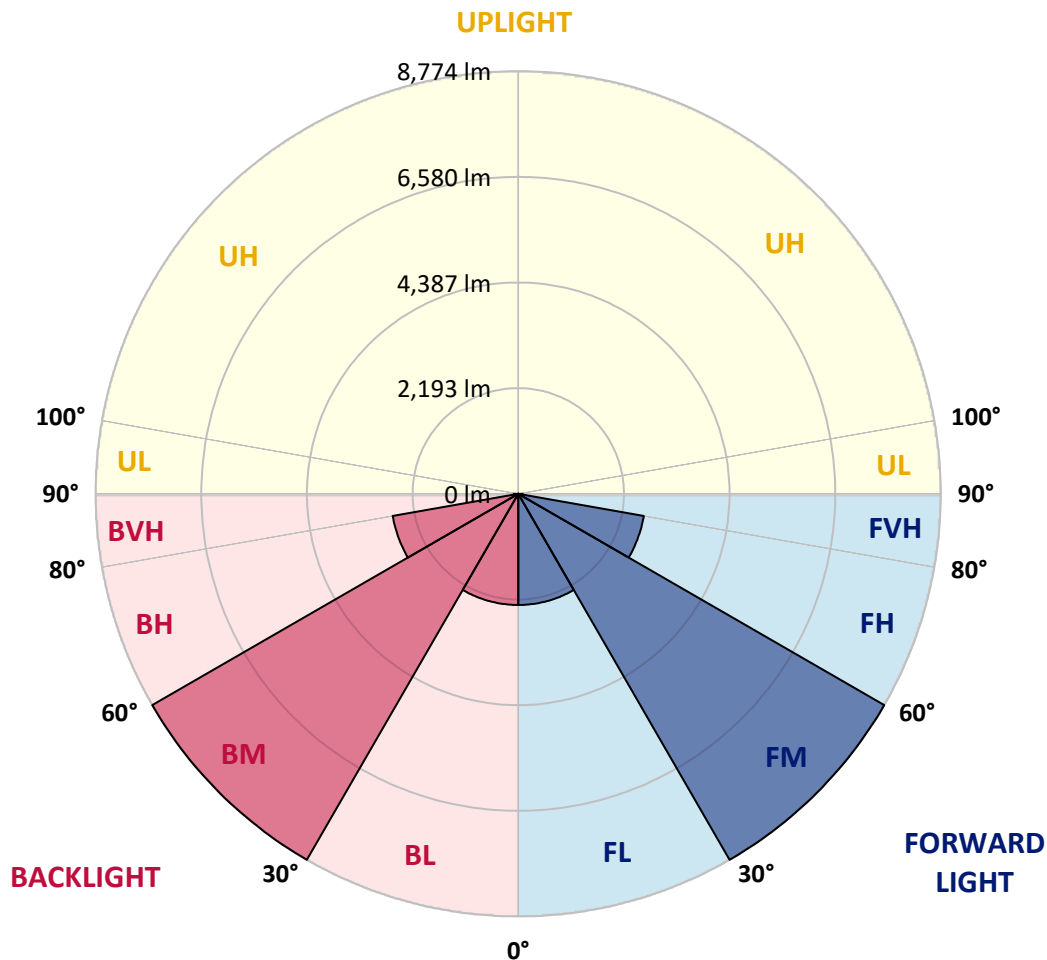
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2306.6	8.3			
FM (30°-60°)	8774.0	31.7			
FH (60°-80°)	2647.5	9.6			G2/5000
FVH (80°-90°)	92.0	0.3			G1/100
BL (0°-30°)	2306.6	8.3	B3/2500		
BM (30°-60°)	8774.0	31.7	B5		
BH (60°-80°)	2647.5	9.6	B4/5000		G2/5000
BVH (80°-90°)	92.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5338.8	5338.8	5338.8	5338.8	5338.8	5338.8	5338.8	5338.8	5338.8	5338.8	5338.8
2.5°	5306.9	5345.9	5317.6	5342.4	5338.8	5328.2	5310.4	5299.8	5285.7	5306.9	5271.5
5°	5285.7	5317.6	5349.4	5306.9	5306.9	5285.7	5275.0	5253.7	5253.7	5250.2	5246.7
7.5°	5321.1	5289.2	5275.0	5282.1	5289.2	5243.1	5275.0	5232.5	5197.0	5221.9	5250.2
10°	5289.2	5303.3	5250.2	5275.0	5236.1	5243.1	5221.9	5250.2	5211.3	5211.3	5211.3
12.5°	5321.1	5282.1	5299.8	5282.1	5271.5	5211.3	5239.6	5207.7	5204.2	5239.6	5207.7
15°	5384.8	5321.1	5306.9	5271.5	5282.1	5282.1	5253.7	5257.3	5218.3	5239.6	5246.7
17.5°	5363.6	5328.2	5317.6	5275.0	5310.4	5321.1	5267.9	5232.5	5257.3	5253.7	5250.2
20°	5381.3	5395.4	5384.8	5391.9	5406.1	5377.8	5328.2	5278.5	5246.7	5292.7	5289.2
22.5°	5494.7	5480.5	5473.4	5466.3	5491.1	5519.5	5452.1	5374.2	5374.2	5406.1	5420.2
25°	5586.8	5583.2	5579.7	5611.6	5696.6	5696.6	5611.6	5512.3	5487.6	5508.8	5491.1
27.5°	5721.4	5760.3	5746.2	5802.9	5926.9	5955.2	5841.8	5724.9	5657.7	5632.8	5664.7
30°	6029.6	5983.5	5994.1	6054.4	6164.2	6256.4	6082.8	5958.7	5866.6	5863.1	5877.2
32.5°	6235.1	6270.5	6302.4	6359.1	6532.6	6603.5	6394.5	6192.5	6135.9	6104.0	6114.7
35°	6646.0	6614.1	6607.1	6663.7	6837.3	6954.2	6692.1	6515.0	6440.5	6511.4	6511.4
37.5°	7035.7	6947.2	6879.8	6954.2	7113.7	7127.8	6904.6	6809.0	6770.0	6851.5	6847.9
40°	7219.9	7212.8	7057.0	7099.5	7312.1	7333.3	7124.3	7010.9	7003.8	7110.2	7216.4
42.5°	7411.2	7343.9	7188.0	7216.4	7347.5	7354.5	7156.2	7124.3	7202.2	7304.9	7312.1
45°	7443.1	7386.4	7287.3	7216.4	7312.1	7333.3	7216.4	7237.6	7244.7	7368.8	7368.8
47.5°	7506.9	7499.8	7443.1	7390.0	7407.7	7390.0	7315.6	7347.5	7453.8	7514.0	7485.7
50°	7684.0	7609.6	7666.3	7620.2	7623.8	7673.4	7606.1	7638.0	7616.7	7563.5	7528.1
52.5°	8073.7	8038.3	8087.9	8119.8	8155.2	8268.5	8190.6	8020.6	7861.2	7719.5	7715.9
55°	8644.1	8668.9	8764.6	8927.5	9065.6	9246.4	8870.8	8463.4	8208.3	7985.1	7999.3
57.5°	9182.5	9164.9	9295.9	9667.9	10071.8	10163.9	9427.0	8846.1	8431.5	8289.8	8229.6
59°	8750.4	8835.4	9133.0	9547.5	10181.6	10316.2	9352.6	8534.3	8095.0	7808.0	7857.6
60°	8070.2	8102.0	8367.8	8945.2	9802.5	10032.8	8853.1	8052.5	7467.9	7301.4	7375.8
62.5°	5703.7	5678.9	5870.2	6341.4	7110.2	7421.9	6582.3	6019.0	5650.5	5466.3	5508.8
65°	3032.5	3145.8	3223.8	3517.8	3925.3	4254.7	3907.5	3663.1	3457.6	3305.3	3301.8
67.5°	2047.7	2033.5	2051.2	2118.5	2256.7	2348.7	2341.7	2217.7	2200.0	2171.6	2203.5
70°	1725.3	1718.2	1686.3	1686.3	1714.6	1735.9	1760.7	1774.8	1803.2	1838.7	1835.1
72.5°	1399.3	1381.6	1360.4	1349.7	1385.2	1395.8	1427.7	1441.9	1466.6	1463.1	1495.0
75°	924.6	924.6	949.4	977.7	988.4	1009.6	1013.2	1055.7	1055.7	1062.8	1034.4
77.5°	517.2	503.1	520.7	549.1	573.9	612.9	651.9	683.7	701.5	694.3	694.3
80°	301.2	301.2	318.8	350.7	382.6	418.1	446.4	471.2	488.9	481.8	467.6
82.5°	187.8	187.8	205.5	237.3	262.1	283.4	322.4	354.2	375.5	368.4	350.7
85°	95.6	95.6	116.9	138.2	170.1	184.2	180.6	166.5	163.0	145.2	145.2
87.5°	24.8	24.8	35.4	38.9	31.9	35.4	35.4	35.4	35.4	35.4	38.9
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)