

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: P531008

Luminaire Tested: **GLAN-SA6B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531008
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-SA6B-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA 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: 26666 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

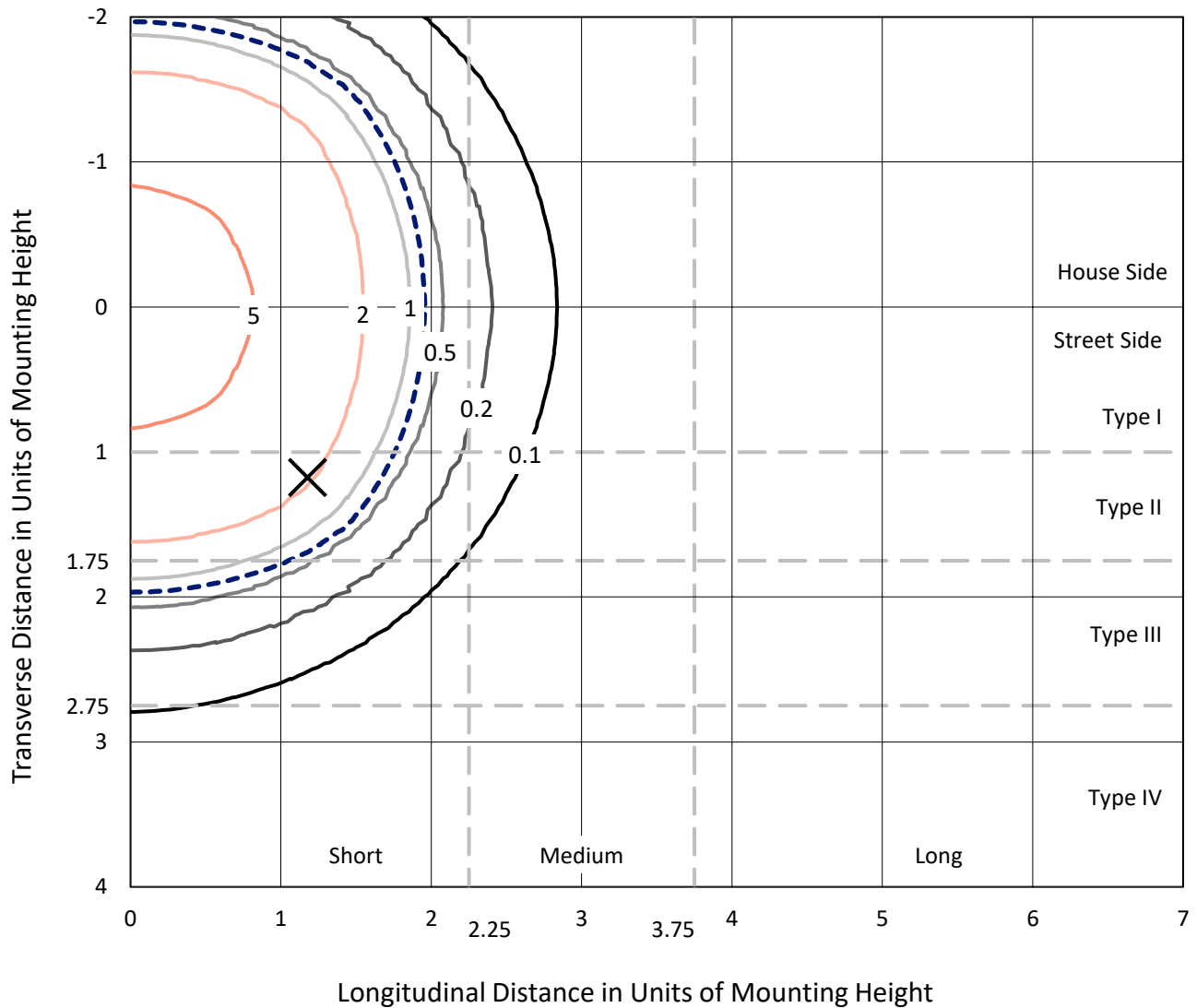
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

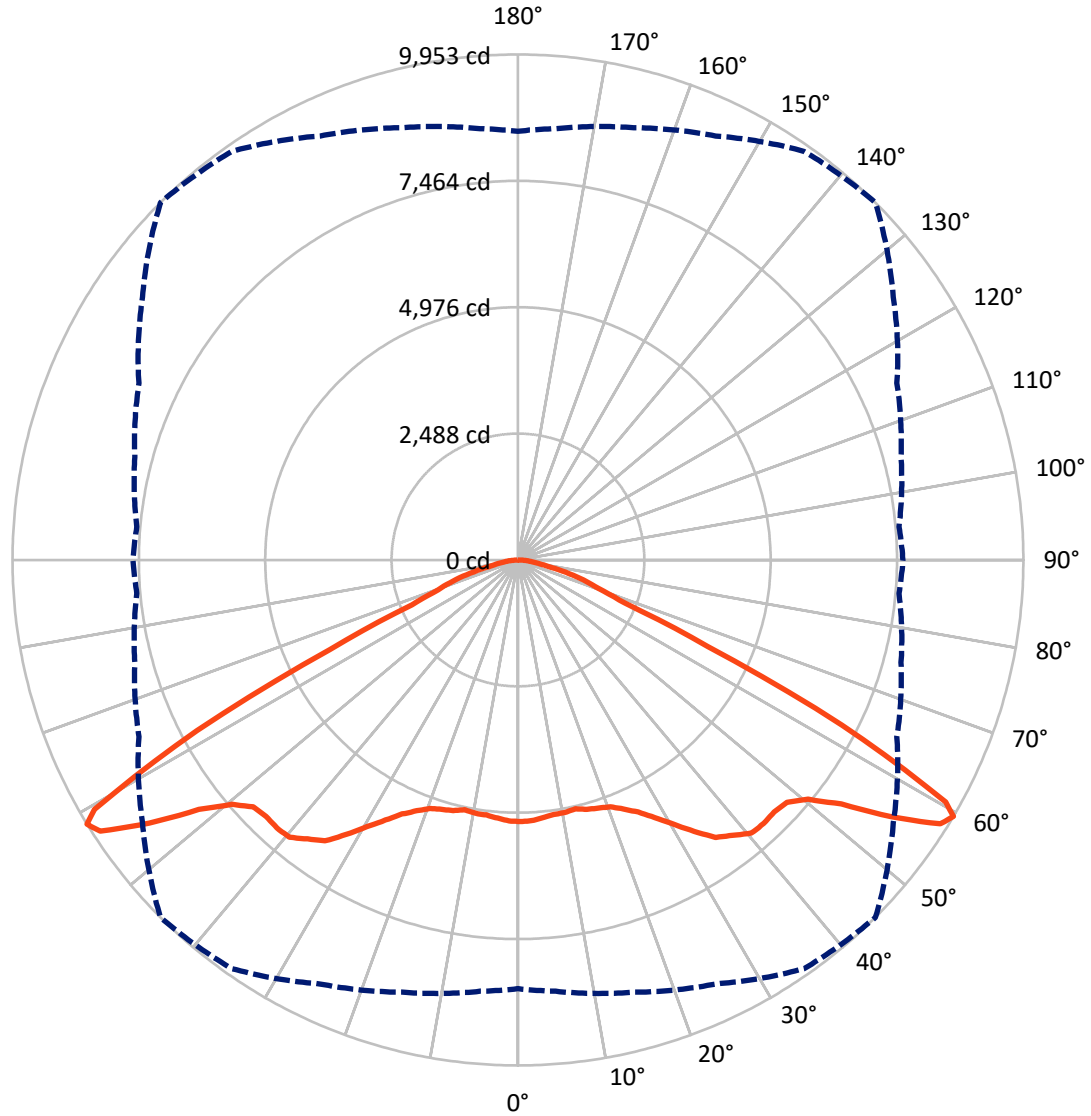
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	13333.0	0.0	13333.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13333.0	0.0	13333.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26666.0	0.0	26666.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.5	1.8
10°-20°	1443.9	5.4
20°-30°	2521.2	9.5
30°-40°	4026.7	15.1
40°-50°	5485.2	20.6
50°-60°	7417.5	27.8
60°-70°	4067.8	15.3
70°-80°	1040.7	3.9
80°-90°	177.5	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°	26666.0	100.0
0°-180°	26666.0	100.0



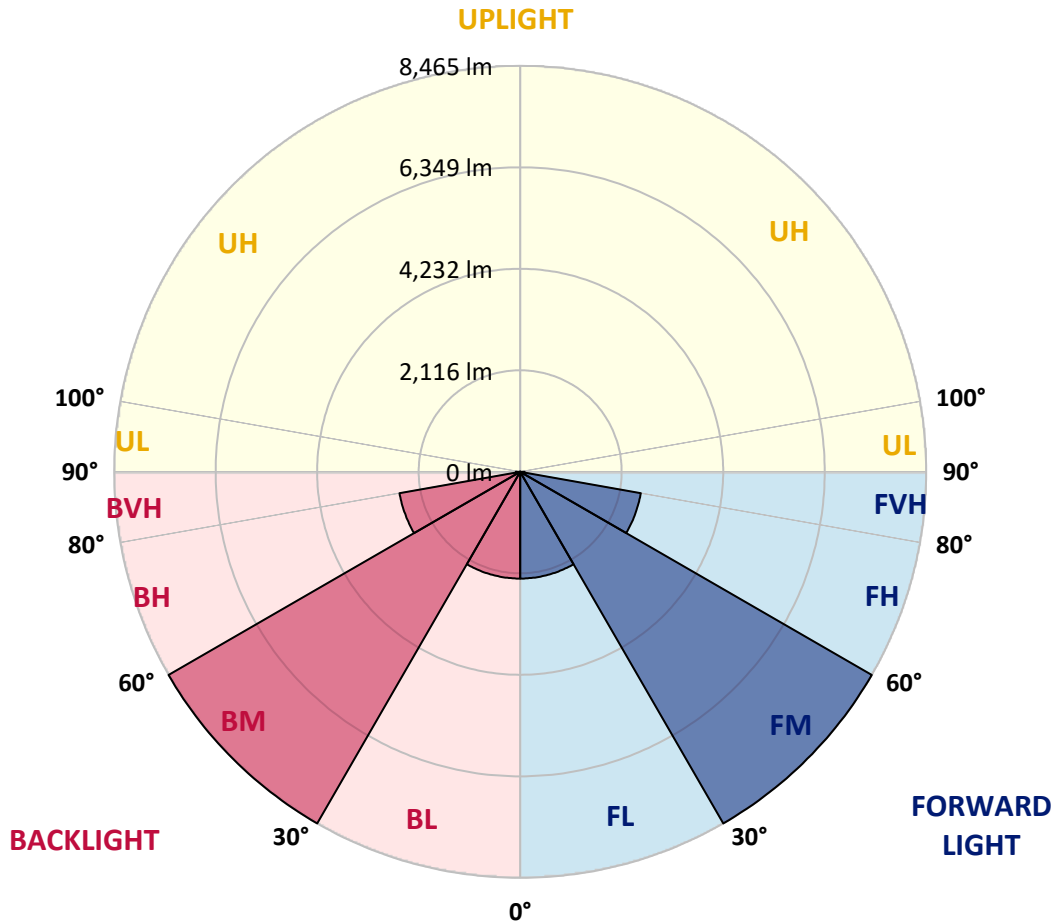
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2225.3	8.3			
FM (30°-60°)	8464.7	31.7			
FH (60°-80°)	2554.2	9.6			G2/5000
FVH (80°-90°)	88.7	0.3			G1/100
BL (0°-30°)	2225.3	8.3	B3/2500		
BM (30°-60°)	8464.7	31.7	B4/8500		
BH (60°-80°)	2554.2	9.6	B4/5000		G2/5000
BVH (80°-90°)	88.7	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5150.6	5150.6	5150.6	5150.6	5150.6	5150.6	5150.6	5150.6	5150.6	5150.6	5150.6
2.5°	5119.8	5157.4	5130.1	5154.0	5150.6	5140.3	5123.3	5113.0	5099.3	5119.8	5085.7
5°	5099.3	5130.1	5160.8	5119.8	5119.8	5099.3	5089.1	5068.6	5068.6	5065.2	5061.7
7.5°	5133.5	5102.7	5089.1	5095.9	5102.7	5058.3	5089.1	5048.1	5013.9	5037.8	5065.2
10°	5102.7	5116.4	5065.2	5089.1	5051.5	5058.3	5037.8	5065.2	5027.6	5027.6	5027.6
12.5°	5133.5	5095.9	5113.0	5095.9	5085.7	5027.6	5054.9	5024.1	5020.7	5054.9	5024.1
15°	5195.0	5133.5	5119.8	5085.7	5095.9	5095.9	5068.6	5072.0	5034.4	5054.9	5061.7
17.5°	5174.5	5140.3	5130.1	5089.1	5123.3	5133.5	5082.2	5048.1	5072.0	5068.6	5065.2
20°	5191.6	5205.3	5195.0	5201.9	5215.5	5188.2	5140.3	5092.5	5061.7	5106.2	5102.7
22.5°	5301.0	5287.3	5280.5	5273.6	5297.6	5324.9	5260.0	5184.8	5184.8	5215.5	5229.2
25°	5389.8	5386.4	5383.0	5413.8	5495.8	5495.8	5413.8	5318.1	5294.1	5314.6	5297.6
27.5°	5519.7	5557.3	5543.6	5598.3	5717.9	5745.3	5635.9	5523.1	5458.2	5434.3	5465.0
30°	5817.1	5772.6	5782.9	5841.0	5946.9	6035.8	5868.3	5748.7	5659.8	5656.4	5670.1
32.5°	6015.3	6049.5	6080.2	6134.9	6302.4	6370.7	6169.1	5974.3	5919.6	5888.8	5899.1
35°	6411.8	6381.0	6374.2	6428.8	6596.3	6709.1	6456.2	6285.3	6213.5	6281.9	6281.9
37.5°	6787.7	6702.3	6637.3	6709.1	6862.9	6876.6	6661.3	6569.0	6531.4	6610.0	6606.6
40°	6965.4	6958.6	6808.2	6849.2	7054.3	7074.8	6873.2	6763.8	6757.0	6859.5	6962.0
42.5°	7150.0	7085.1	6934.7	6962.0	7088.5	7095.3	6903.9	6873.2	6948.3	7047.5	7054.3
45°	7180.8	7126.1	7030.4	6962.0	7054.3	7074.8	6962.0	6982.5	6989.4	7109.0	7109.0
47.5°	7242.3	7235.4	7180.8	7129.5	7146.6	7129.5	7057.7	7088.5	7191.0	7249.1	7221.8
50°	7413.2	7341.4	7396.1	7351.6	7355.1	7402.9	7338.0	7368.7	7348.2	7297.0	7262.8
52.5°	7789.1	7754.9	7802.8	7833.6	7867.7	7977.1	7901.9	7737.9	7584.1	7447.3	7443.9
55°	8339.4	8363.3	8455.6	8612.8	8746.1	8920.4	8558.1	8165.1	7919.0	7703.7	7717.3
57.5°	8858.9	8841.8	8968.3	9327.1	9716.8	9805.6	9094.7	8534.2	8134.3	7997.6	7939.5
59°	8441.9	8523.9	8811.0	9210.9	9822.7	9952.6	9022.9	8233.4	7809.6	7532.8	7580.6
60°	7785.7	7816.5	8072.8	8629.9	9457.0	9679.2	8541.0	7768.6	7204.7	7044.0	7115.8
62.5°	5502.6	5478.7	5663.3	6117.8	6859.5	7160.3	6350.2	5806.8	5451.4	5273.6	5314.6
65°	2925.6	3035.0	3110.2	3393.9	3786.9	4104.8	3769.8	3534.0	3335.8	3188.8	3185.4
67.5°	1975.5	1961.8	1978.9	2043.8	2177.1	2266.0	2259.2	2139.5	2122.4	2095.1	2125.9
70°	1664.5	1657.6	1626.9	1626.9	1654.2	1674.7	1698.6	1712.3	1739.7	1773.8	1770.4
72.5°	1350.0	1332.9	1312.4	1302.2	1336.4	1346.6	1377.4	1391.0	1415.0	1411.5	1442.3
75°	892.0	892.0	916.0	943.3	953.6	974.1	977.5	1018.5	1018.5	1025.3	998.0
77.5°	499.0	485.3	502.4	529.8	553.7	591.3	628.9	659.6	676.7	669.9	669.9
80°	290.5	290.5	307.6	338.4	369.1	403.3	430.6	454.6	471.7	464.8	451.1
82.5°	181.1	181.1	198.2	229.0	252.9	273.4	311.0	341.8	362.3	355.4	338.4
85°	92.3	92.3	112.8	133.3	164.1	177.7	174.3	160.6	157.2	140.1	140.1
87.5°	23.9	23.9	34.2	37.6	30.8	34.2	34.2	34.2	34.2	34.2	37.6
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)