

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: P534045

Luminaire Tested: **GLAN-SA9C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35632 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

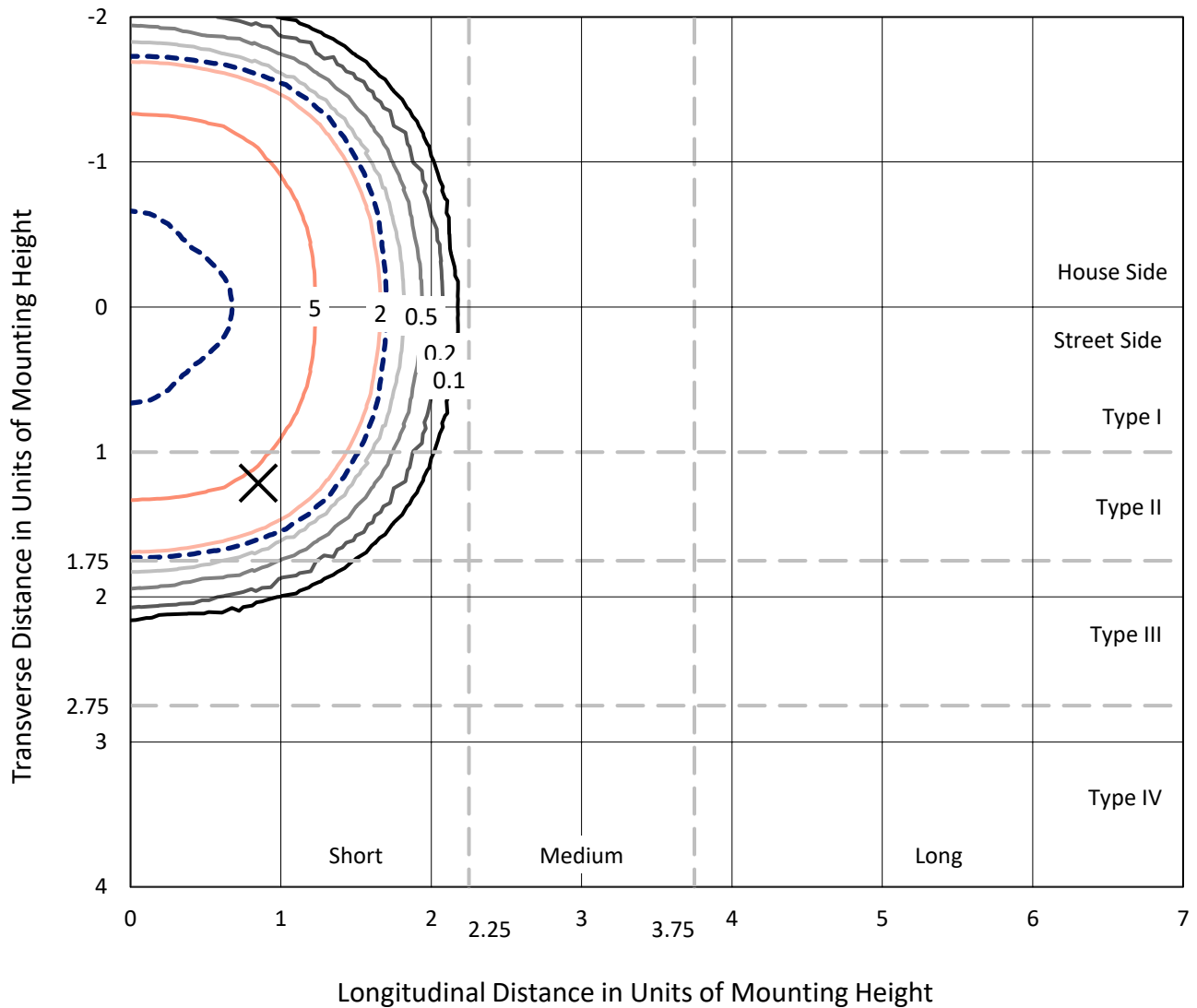
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

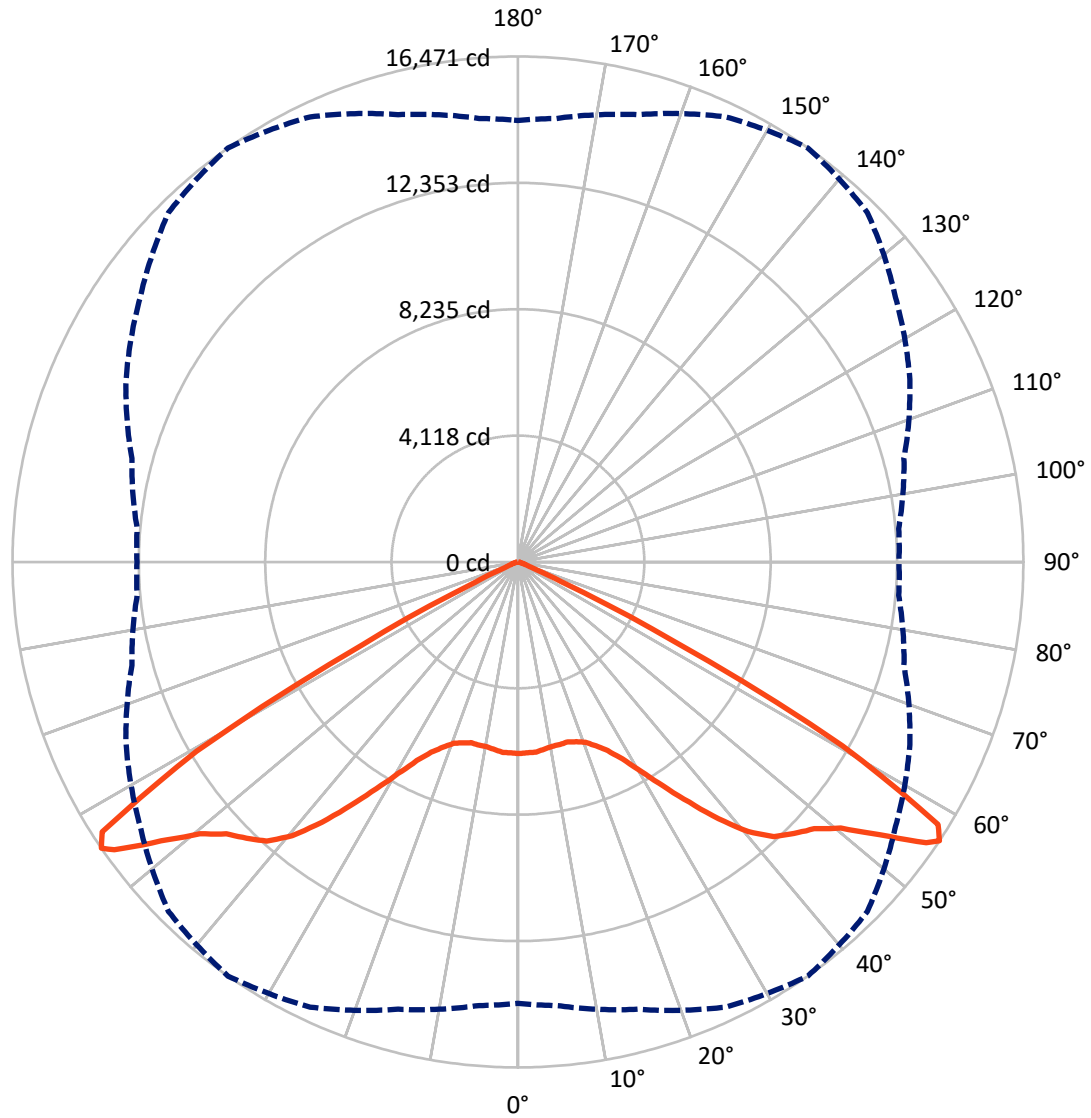
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17816.0	0.0	17816.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17816.0	0.0	17816.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35632.0	0.0	35632.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.8	1.6
10°-20°	1713.1	4.8
20°-30°	3102.3	8.7
30°-40°	5752.7	16.1
40°-50°	9442.7	26.5
50°-60°	12165.0	34.1
60°-70°	2681.0	7.5
70°-80°	155.5	0.4
80°-90°	32.7	0.1
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°	35632.0	100.0
0°-180°	35632.0	100.0

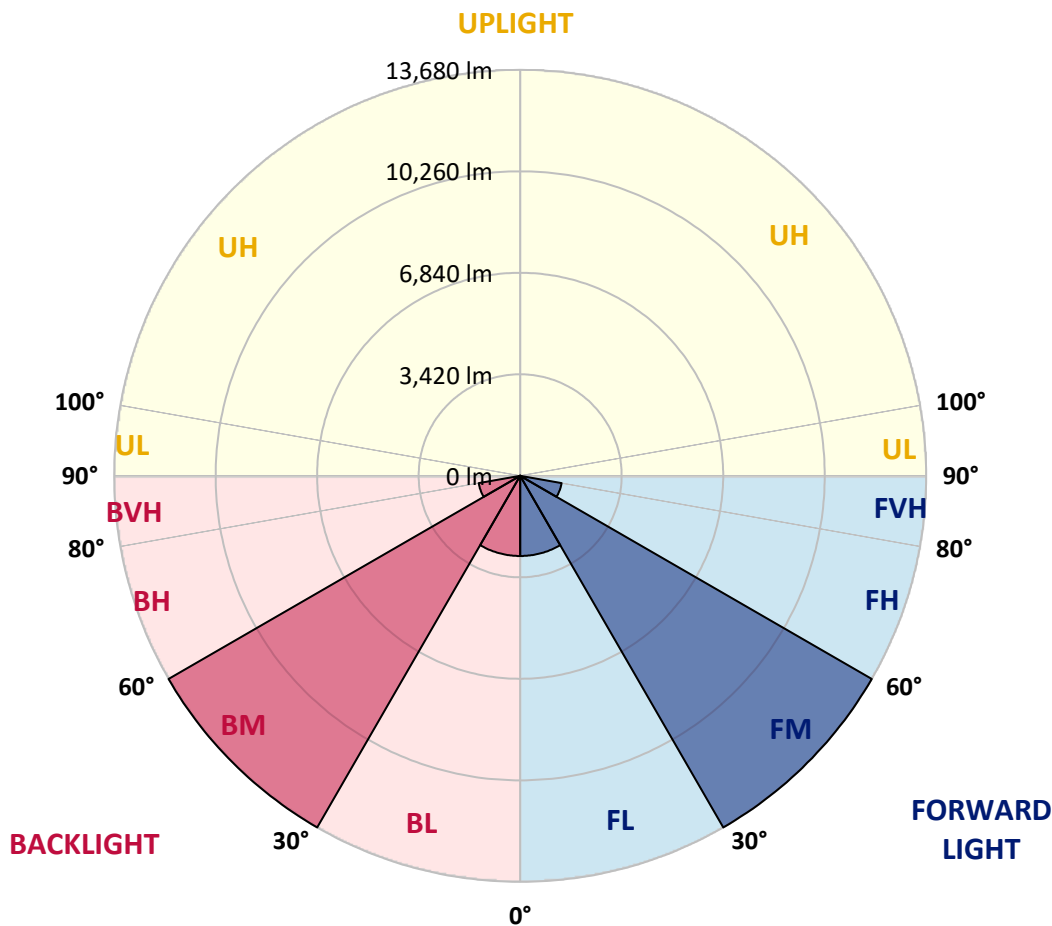


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2701.1	7.6			
FM (30°-60°)	13680.2	38.4			
FH (60°-80°)	1418.3	4.0			G1/1800
FVH (80°-90°)	16.4	0.0			G1/100
BL (0°-30°)	2701.1	7.6	B4/5000		
BM (30°-60°)	13680.2	38.4	B5		
BH (60°-80°)	1418.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	16.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6243.5	6243.5	6243.5	6243.5	6243.5	6243.5	6243.5	6243.5	6243.5	6243.5	6243.5
2.5°	6256.4	6256.4	6262.9	6269.3	6224.1	6204.8	6211.2	6198.3	6191.8	6211.2	6211.2
5°	6237.0	6237.0	6217.7	6224.1	6224.1	6166.0	6166.0	6178.9	6178.9	6140.2	6127.3
7.5°	6185.4	6172.5	6146.6	6178.9	6159.6	6159.6	6114.4	6082.1	6069.2	6095.0	6069.2
10°	6075.6	6082.1	6107.9	6120.8	6107.9	6146.6	6069.2	6024.0	5978.8	5959.4	5959.4
12.5°	6024.0	6062.7	6024.0	6056.3	6101.4	6069.2	6024.0	5991.7	5927.1	5901.3	5901.3
15°	6017.5	6043.3	6056.3	6101.4	6082.1	6095.0	6004.6	5965.9	5869.0	5823.8	5804.4
17.5°	6011.1	6043.3	6062.7	6146.6	6159.6	6166.0	6095.0	5978.8	5894.8	5849.6	5804.4
20°	6082.1	6095.0	6133.7	6217.7	6269.3	6359.7	6230.6	6107.9	5927.1	5875.5	5856.1
22.5°	6172.5	6237.0	6275.8	6366.2	6501.8	6579.2	6411.4	6256.4	6069.2	6004.6	5927.1
25°	6463.0	6450.1	6514.7	6701.9	6811.7	6869.8	6734.2	6508.2	6262.9	6185.4	6198.3
27.5°	6824.6	6837.5	6895.6	7102.2	7263.6	7354.0	7192.6	6895.6	6656.7	6527.6	6514.7
30°	7295.9	7283.0	7347.6	7625.2	7915.7	8051.3	7767.2	7418.6	7186.2	7018.3	7057.0
32.5°	7793.1	7799.5	7980.3	8232.1	8703.4	8968.2	8509.7	8083.6	7735.0	7618.7	7560.6
35°	8529.1	8561.4	8703.4	9090.8	9613.8	9956.0	9452.4	8942.3	8542.0	8329.0	8354.8
37.5°	9439.5	9407.2	9646.1	10065.8	10614.6	10866.4	10440.3	9859.2	9452.4	9310.4	9400.8
40°	10408.0	10440.3	10562.9	10943.9	11557.2	11725.1	11092.4	10776.0	10420.9	10349.9	10459.6
42.5°	11376.5	11357.1	11447.5	11789.7	12235.2	12119.0	11744.5	11557.2	11305.4	11163.4	11311.9
45°	12086.7	12054.4	12222.3	12454.7	12616.1	12396.6	12228.7	12164.2	12035.0	11880.1	12015.7
47.5°	12777.5	12751.7	12913.1	12977.7	12990.6	12700.1	12732.3	12848.6	12525.7	12202.9	12357.9
50°	13365.1	13319.9	13520.0	13662.1	13629.8	13164.9	13281.1	13164.9	12661.3	12280.4	12222.3
52.5°	14346.5	14365.8	14578.9	14837.2	14759.7	14372.3	14204.4	13675.0	13029.3	12687.1	12487.0
55°	14966.3	14869.5	15237.5	16057.5	16147.9	15747.5	15005.0	14223.8	13255.3	12835.6	12784.0
56°	14385.2	14507.9	15089.0	16005.8	16470.7	16102.7	15024.4	14088.2	13022.9	12454.7	12416.0
57.5°	12906.7	12842.1	13629.8	14882.4	16147.9	15992.9	14495.0	13119.7	11880.1	11240.9	11163.4
60°	8032.0	8219.2	8910.1	10459.6	12151.2	12228.7	10743.7	9562.2	8115.9	7547.7	7683.3
62.5°	3144.3	2982.9	3415.5	4571.2	5733.4	5991.7	5430.0	4513.1	3706.1	3144.3	3105.6
65°	729.6	710.2	800.6	1104.1	1543.1	1788.5	1698.1	1220.3	897.5	852.3	787.7
67.5°	413.2	413.2	393.9	393.9	432.6	458.4	439.0	432.6	452.0	471.3	464.9
70°	290.5	284.1	271.2	277.6	264.7	264.7	284.1	316.4	342.2	342.2	348.7
72.5°	174.3	174.3	174.3	193.7	193.7	193.7	213.1	238.9	245.3	238.9	232.4
75°	77.5	77.5	90.4	109.8	122.7	129.1	148.5	161.4	174.3	161.4	148.5
77.5°	19.4	19.4	32.3	45.2	58.1	71.0	96.8	116.2	122.7	116.2	96.8
80°	6.5	6.5	12.9	32.3	58.1	71.0	96.8	103.3	109.8	96.8	77.5
82.5°	6.5	6.5	12.9	32.3	45.2	58.1	77.5	90.4	96.8	83.9	77.5
85°	0.0	6.5	12.9	25.8	38.7	51.7	51.7	38.7	32.3	19.4	25.8
87.5°	0.0	0.0	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)