

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: P533790

Luminaire Tested: **GLAN-SA9B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533790
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-SA9B-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 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: 39855 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 364
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

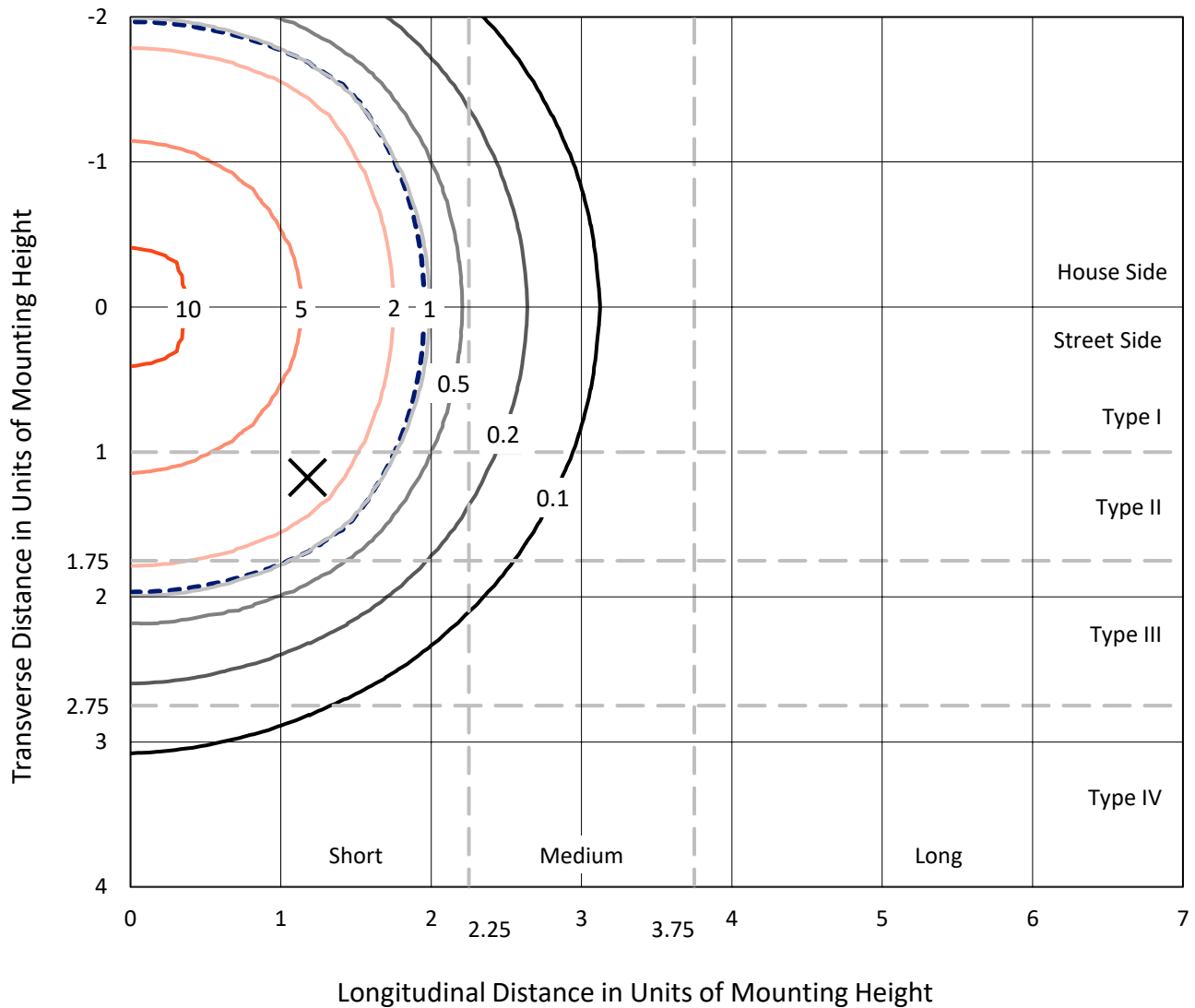


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

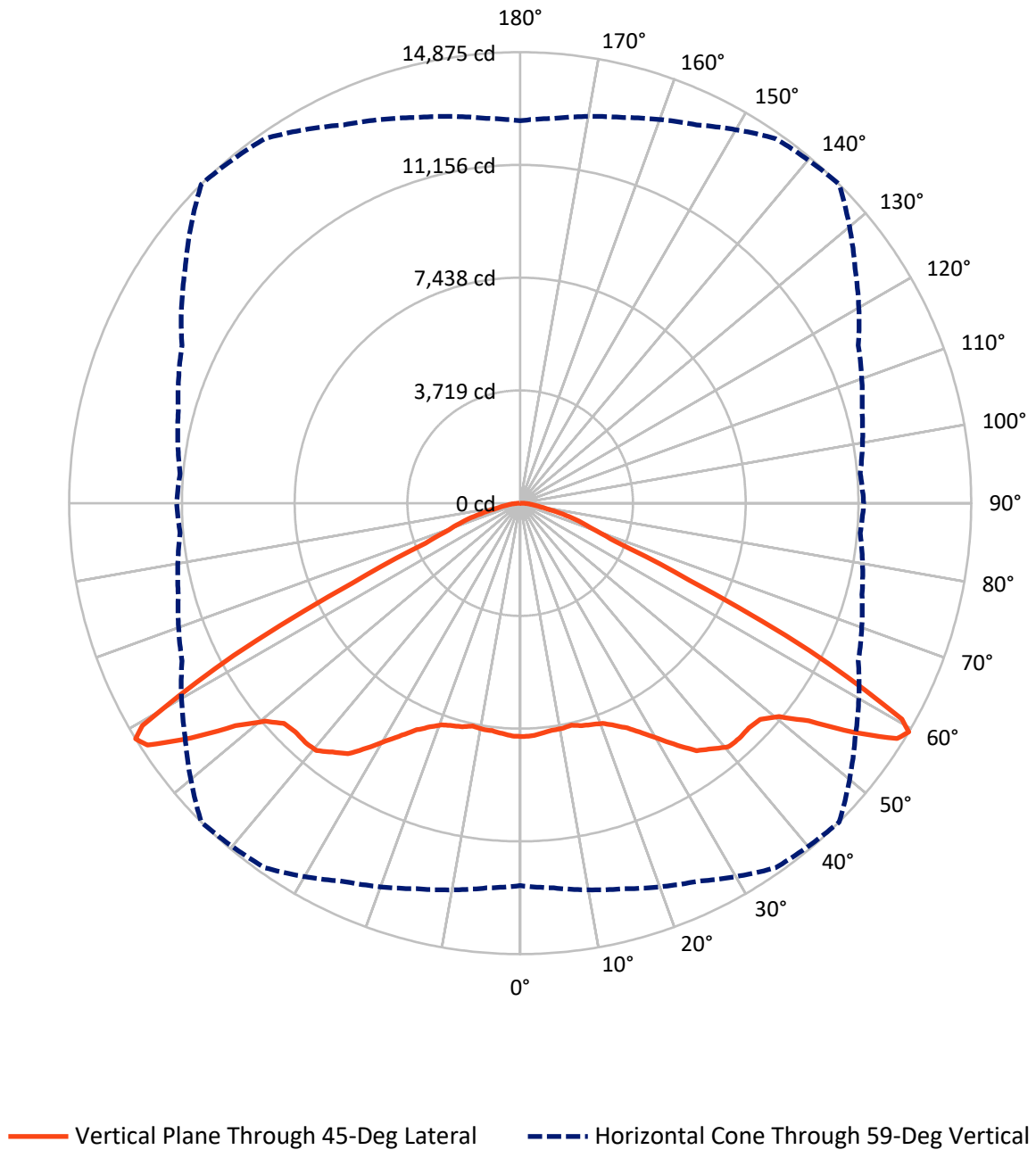


Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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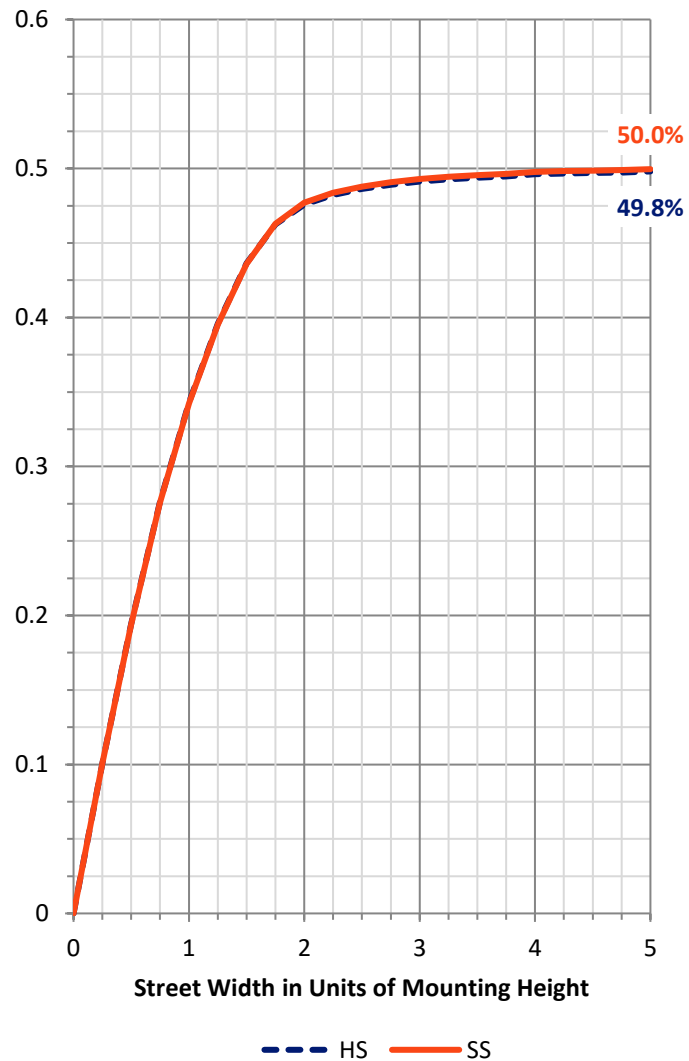
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19927.5	0.0	19927.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19927.5	0.0	19927.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39855.0	0.0	39855.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.7	1.8
10°-20°	2158.0	5.4
20°-30°	3768.2	9.5
30°-40°	6018.4	15.1
40°-50°	8198.2	20.6
50°-60°	11086.2	27.8
60°-70°	6079.7	15.3
70°-80°	1555.4	3.9
80°-90°	265.3	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°	39855.0	100.0
0°-180°	39855.0	100.0

Coefficient of Utilization



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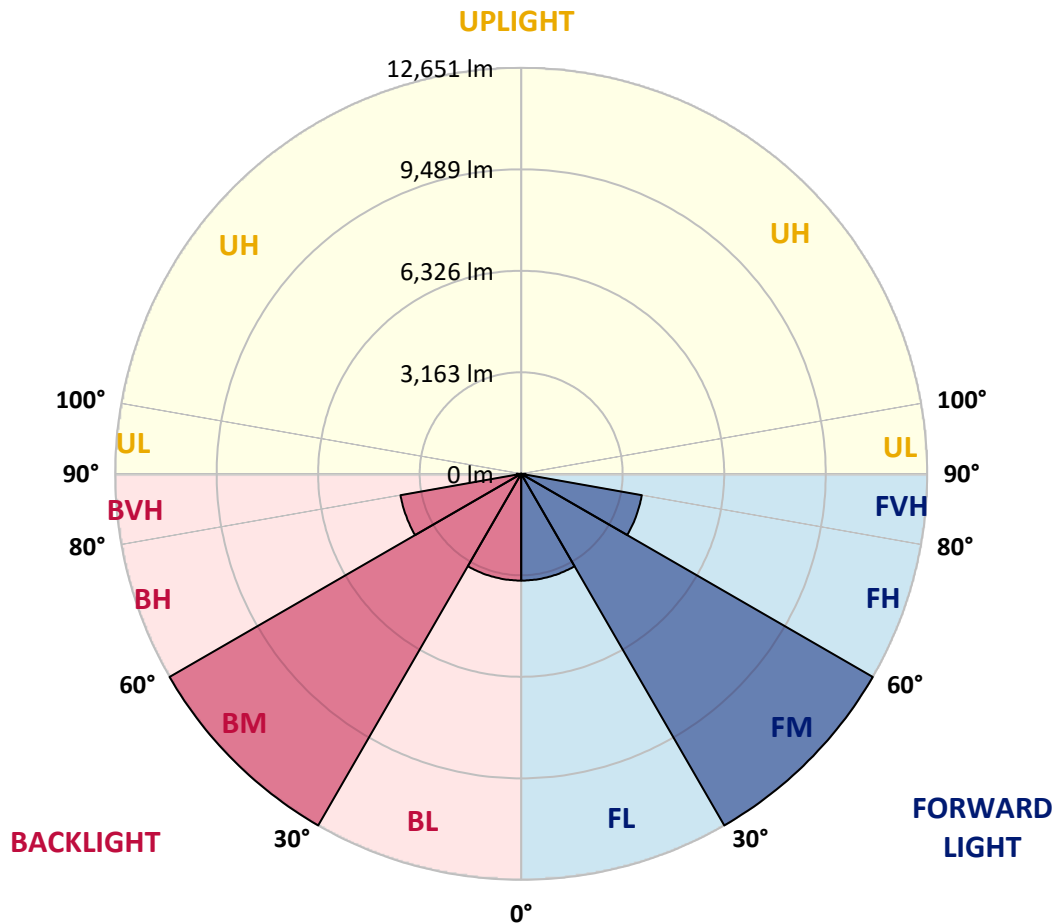
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3326.0	8.3			
FM	(30°-60°)	12651.4	31.7			
FH	(60°-80°)	3817.5	9.6			G2/5000
FVH	(80°-90°)	132.6	0.3			G2/225
BL	(0°-30°)	3326.0	8.3	B4/5000		
BM	(30°-60°)	12651.4	31.7	B5		
BH	(60°-80°)	3817.5	9.6	B4/5000		G2/5000
BVH	(80°-90°)	132.6	0.3			G2/225
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°	7698.1	7698.1	7698.1	7698.1	7698.1	7698.1	7698.1	7698.1	7698.1	7698.1	7698.1
2.5°	7652.1	7708.3	7667.4	7703.2	7698.1	7682.8	7657.2	7641.9	7621.5	7652.1	7601.0
5°	7621.5	7667.4	7713.4	7652.1	7652.1	7621.5	7606.1	7575.5	7575.5	7570.4	7565.3
7.5°	7672.5	7626.6	7606.1	7616.3	7626.6	7560.2	7606.1	7544.8	7493.8	7529.5	7570.4
10°	7626.6	7647.0	7570.4	7606.1	7549.9	7560.2	7529.5	7570.4	7514.2	7514.2	7514.2
12.5°	7672.5	7616.3	7641.9	7616.3	7601.0	7514.2	7555.1	7509.1	7504.0	7555.1	7509.1
15°	7764.5	7672.5	7652.1	7601.0	7616.3	7616.3	7575.5	7580.6	7524.4	7555.1	7565.3
17.5°	7733.8	7682.8	7667.4	7606.1	7657.2	7672.5	7595.9	7544.8	7580.6	7575.5	7570.4
20°	7759.4	7779.8	7764.5	7774.7	7795.1	7754.3	7682.8	7611.2	7565.3	7631.7	7626.6
22.5°	7922.8	7902.4	7892.2	7882.0	7917.7	7958.6	7861.5	7749.2	7749.2	7795.1	7815.6
25°	8055.7	8050.5	8045.4	8091.4	8214.0	8214.0	8091.4	7948.4	7912.6	7943.3	7917.7
27.5°	8249.8	8306.0	8285.5	8367.3	8546.0	8586.9	8423.4	8254.9	8157.8	8122.1	8168.0
30°	8694.2	8627.8	8643.1	8729.9	8888.3	9021.1	8770.8	8592.0	8459.2	8454.1	8474.5
32.5°	8990.5	9041.5	9087.5	9169.2	9419.5	9521.7	9220.3	8929.2	8847.4	8801.5	8816.8
35°	9583.0	9537.0	9526.8	9608.6	9858.9	10027.4	9649.4	9394.0	9286.7	9388.9	9388.9
37.5°	10144.9	10017.2	9920.2	10027.4	10257.3	10277.7	9955.9	9818.0	9761.8	9879.3	9874.2
40°	10410.5	10400.3	10175.6	10236.9	10543.4	10574.0	10272.6	10109.2	10098.9	10252.2	10405.4
42.5°	10686.4	10589.3	10364.6	10405.4	10594.4	10604.7	10318.6	10272.6	10385.0	10533.1	10543.4
45°	10732.4	10650.6	10507.6	10405.4	10543.4	10574.0	10405.4	10436.1	10446.3	10625.1	10625.1
47.5°	10824.3	10814.1	10732.4	10655.7	10681.3	10655.7	10548.5	10594.4	10747.7	10834.5	10793.7
50°	11079.7	10972.4	11054.2	10987.8	10992.9	11064.4	10967.3	11013.3	10982.7	10906.0	10855.0
52.5°	11641.6	11590.5	11662.1	11708.0	11759.1	11922.6	11810.2	11565.0	11335.1	11130.8	11125.7
55°	12464.0	12499.8	12637.7	12872.7	13071.9	13332.4	12791.0	12203.5	11835.7	11513.9	11534.3
57.5°	13240.5	13215.0	13404.0	13940.3	14522.7	14655.5	13593.0	12755.2	12157.6	11953.2	11866.4
59°	12617.3	12739.9	13169.0	13766.6	14681.0	14875.1	13485.7	12305.7	11672.3	11258.5	11330.0
60°	11636.5	11682.5	12065.6	12898.2	14134.4	14466.5	12765.4	11611.0	10768.1	10528.0	10635.3
62.5°	8224.2	8188.5	8464.3	9143.7	10252.2	10701.7	9491.1	8678.9	8147.6	7882.0	7943.3
65°	4372.6	4536.1	4648.5	5072.5	5659.9	6135.0	5634.4	5281.9	4985.6	4766.0	4760.9
67.5°	2952.5	2932.1	2957.7	3054.7	3253.9	3386.7	3376.5	3197.7	3172.2	3131.3	3177.3
70°	2487.7	2477.5	2431.5	2431.5	2472.4	2503.0	2538.8	2559.2	2600.1	2651.2	2646.1
72.5°	2017.7	1992.2	1961.6	1946.2	1997.3	2012.6	2058.6	2079.0	2114.8	2109.7	2155.7
75°	1333.2	1333.2	1369.0	1409.9	1425.2	1455.8	1460.9	1522.2	1522.2	1532.5	1491.6
77.5°	745.8	725.4	750.9	791.8	827.5	883.7	939.9	985.9	1011.4	1001.2	1001.2
80°	434.2	434.2	459.7	505.7	551.7	602.8	643.6	679.4	704.9	694.7	674.3
82.5°	270.7	270.7	296.3	342.3	378.0	408.7	464.8	510.8	541.5	531.3	505.7
85°	137.9	137.9	168.6	199.2	245.2	265.6	260.5	240.1	235.0	209.4	209.4
87.5°	35.8	35.8	51.1	56.2	46.0	51.1	51.1	51.1	51.1	51.1	56.2
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)