

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: P530980

Luminaire Tested: **GLAN-SA6B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27679 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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



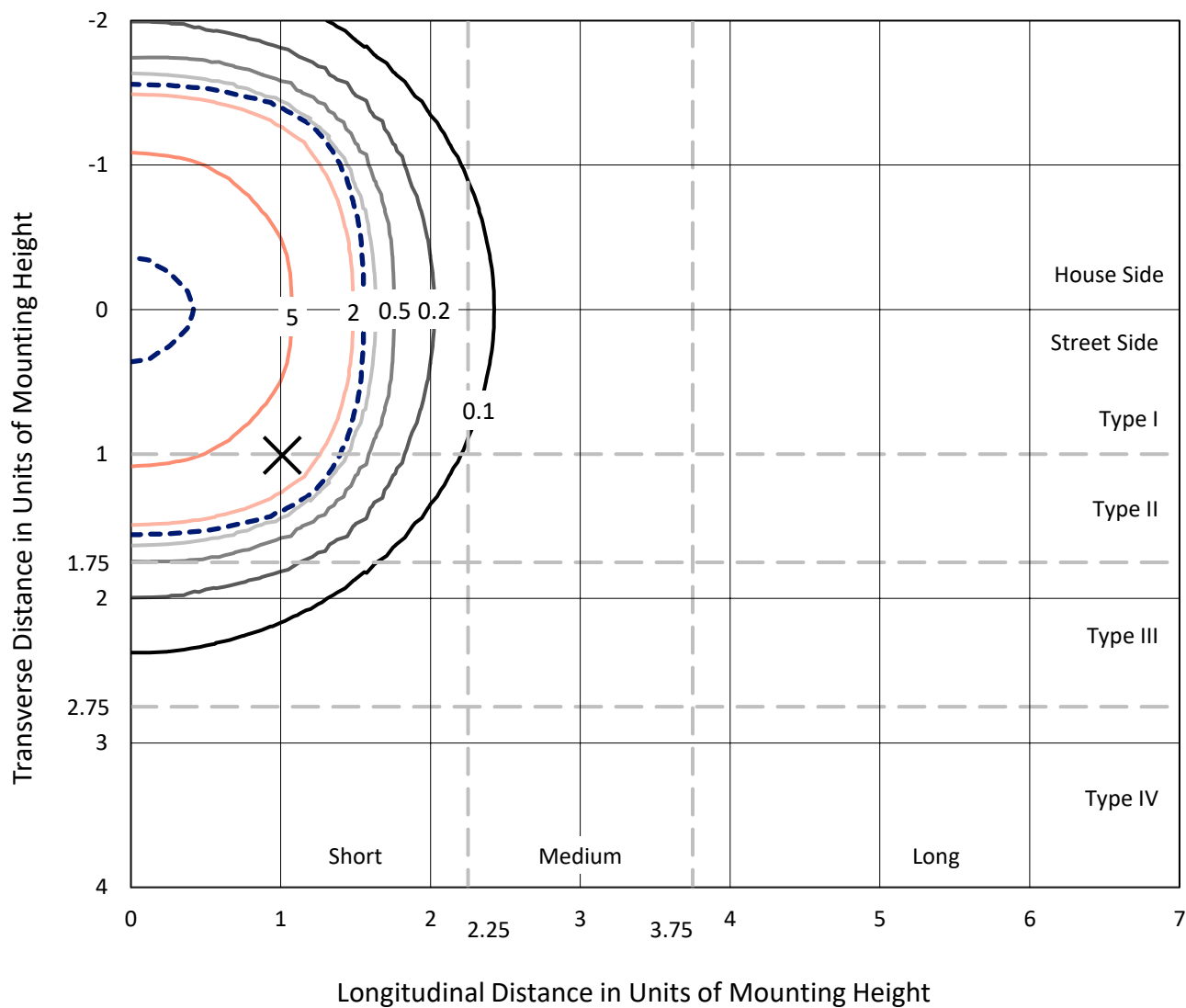
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

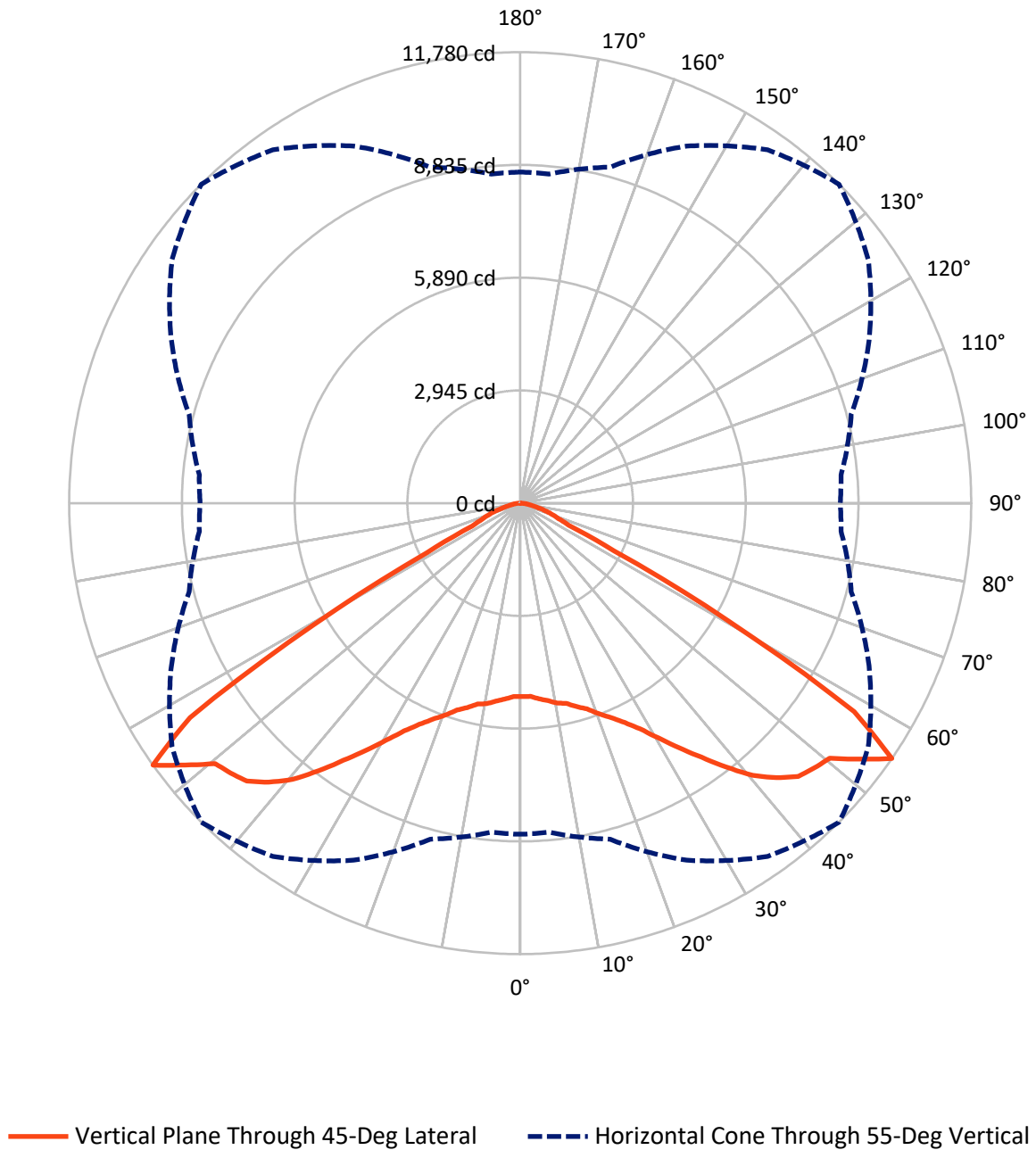


Based on 25 foot mounting height. Maximum calculated value = 8.1 fc

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	13839.5	0.0	13839.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13839.5	0.0	13839.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27679.0	0.0	27679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.7	1.8
10°-20°	1564.3	5.7
20°-30°	2916.9	10.5
30°-40°	4883.9	17.6
40°-50°	7599.7	27.5
50°-60°	7890.9	28.5
60°-70°	1673.4	6.0
70°-80°	551.1	2.0
80°-90°	105.0	0.4
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°	27679.0	100.0
0°-180°	27679.0	100.0

Coefficient of Utilization



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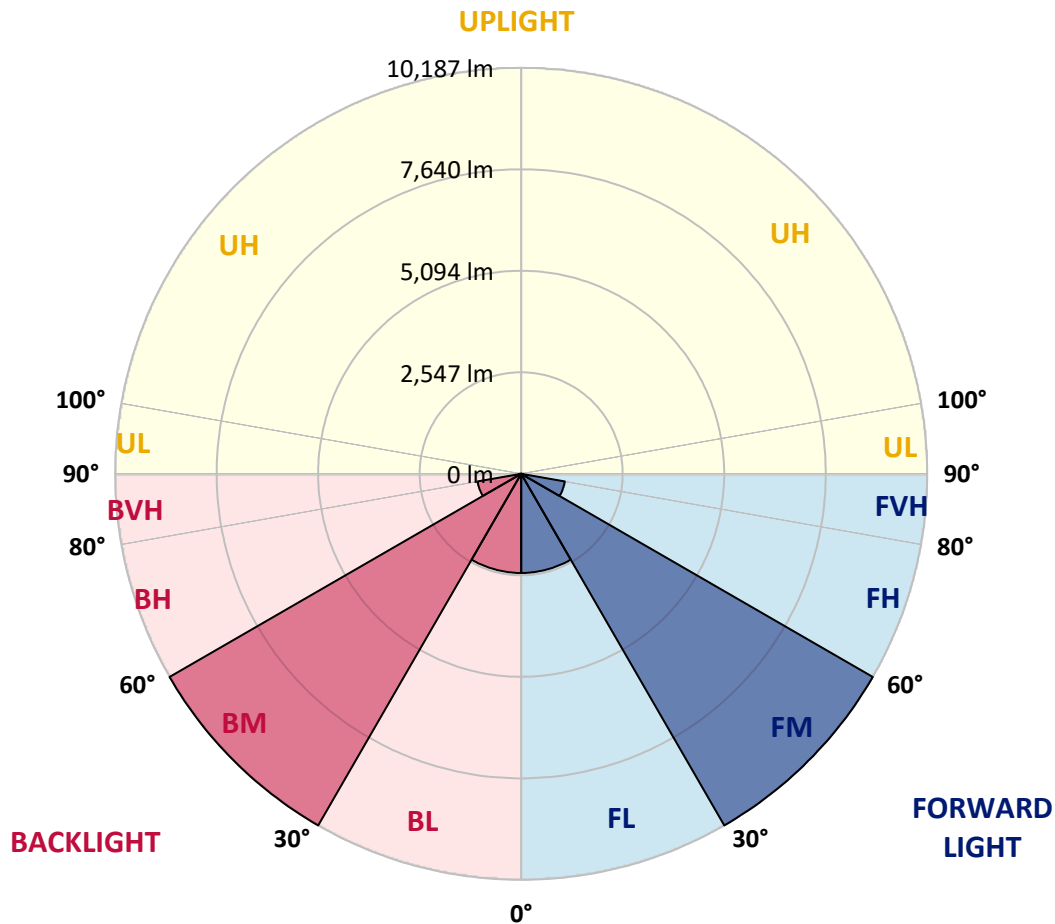
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2487.5	9.0			
FM	(30°-60°)	10187.3	36.8			
FH	(60°-80°)	1112.3	4.0			G1/1800
FVH	(80°-90°)	52.5	0.2			G1/100
BL	(0°-30°)	2487.5	9.0	B3/2500		
BM	(30°-60°)	10187.3	36.8	B5		
BH	(60°-80°)	1112.3	4.0	B3/2500		G1/1800
BVH	(80°-90°)	52.5	0.2			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°	5053.8	5053.8	5053.8	5053.8	5053.8	5053.8	5053.8	5053.8	5053.8	5053.8	5053.8
2.5°	5114.0	5090.6	5050.4	5080.5	5103.9	5053.8	5073.8	5083.9	5077.2	5050.4	5060.5
5°	5187.6	5174.2	5140.7	5164.1	5134.0	5134.0	5114.0	5087.2	5127.4	5120.7	5137.4
7.5°	5187.6	5170.8	5237.7	5194.2	5207.6	5207.6	5174.2	5147.4	5167.5	5137.4	5120.7
10°	5291.2	5314.7	5284.6	5294.6	5287.9	5311.3	5261.1	5244.4	5227.7	5217.7	5197.6
12.5°	5415.0	5398.3	5408.3	5401.6	5425.0	5364.8	5334.7	5297.9	5328.0	5284.6	5314.7
15°	5515.3	5505.3	5515.3	5542.1	5518.7	5515.3	5461.8	5425.0	5378.2	5388.2	5341.4
17.5°	5652.5	5642.4	5645.8	5669.2	5665.8	5649.1	5609.0	5538.7	5522.0	5495.3	5465.2
20°	5856.5	5839.8	5833.1	5843.1	5859.8	5873.2	5792.9	5766.2	5709.3	5665.8	5615.7
22.5°	6030.4	6023.7	6050.5	6007.0	6043.8	6083.9	6007.0	5993.6	5853.1	5829.7	5776.2
25°	6271.2	6261.2	6244.5	6308.0	6351.5	6348.2	6274.6	6201.0	6094.0	6067.2	6067.2
27.5°	6525.4	6468.6	6555.5	6572.2	6649.2	6672.6	6609.0	6502.0	6401.7	6344.8	6358.2
30°	6843.2	6789.6	6809.7	6930.1	7030.5	7117.4	6956.9	6799.7	6659.2	6558.9	6542.1
32.5°	7160.9	7107.4	7167.6	7284.7	7485.3	7615.8	7458.6	7184.3	7020.4	6873.3	6903.4
35°	7418.4	7458.6	7555.6	7732.8	7940.2	8150.9	7900.1	7689.4	7455.2	7291.3	7314.8
37.5°	7833.2	7956.9	8033.9	8237.9	8532.2	8749.6	8488.7	8214.5	7963.6	7749.6	7676.0
40°	8375.0	8458.6	8545.6	8786.4	9134.3	9351.7	9104.1	8746.3	8498.8	8278.0	8268.0
42.5°	8970.4	9050.6	9140.9	9435.3	9642.6	9806.5	9579.1	9388.4	9114.2	8940.3	8930.2
45°	9662.7	9605.8	9706.2	9900.2	10074.1	10181.1	10034.0	9940.3	9743.0	9582.4	9565.7
47.5°	10124.3	10074.1	10254.7	10428.6	10455.4	10338.3	10368.4	10455.4	10248.0	9983.8	10067.4
50°	10391.8	10391.8	10512.2	10672.8	10622.6	10472.1	10709.6	10716.3	10508.9	10274.8	10274.8
52.5°	9926.9	10030.6	10371.8	10896.9	11064.1	11107.6	11054.1	10826.6	10284.8	9806.5	9783.1
55°	8649.3	8625.9	9087.4	10291.5	11264.8	11779.9	11097.6	10050.7	8950.3	8411.8	8358.3
57.5°	5625.7	5652.5	6341.5	7569.0	9324.9	10284.8	9134.3	7662.6	6341.5	5599.0	5669.2
60°	2531.9	2622.2	3040.3	3956.7	5465.2	6247.8	5478.5	4157.4	3190.8	2769.4	2806.2
62.5°	1454.9	1471.6	1488.4	1766.0	2327.9	2752.7	2418.2	1866.3	1645.6	1572.0	1572.0
65°	1227.5	1217.5	1220.8	1244.2	1304.4	1391.4	1354.6	1304.4	1311.1	1304.4	1294.4
67.5°	1043.5	1056.9	1046.9	1063.6	1066.9	1080.3	1103.7	1123.8	1127.1	1133.8	1127.1
70°	856.2	859.6	866.3	879.6	883.0	893.0	926.5	943.2	953.2	953.2	966.6
72.5°	655.6	652.2	658.9	672.3	689.0	692.3	722.4	745.9	759.2	742.5	745.9
75°	431.5	434.8	444.8	454.9	478.3	501.7	511.7	535.1	538.5	545.2	528.5
77.5°	257.5	264.2	274.3	294.3	314.4	334.5	357.9	374.6	381.3	374.6	354.5
80°	167.2	167.2	180.6	197.3	220.7	237.5	250.8	264.2	274.3	264.2	257.5
82.5°	103.7	103.7	120.4	140.5	157.2	167.2	187.3	204.0	214.1	207.4	197.3
85°	53.5	56.9	70.2	87.0	100.3	107.0	103.7	93.7	83.6	80.3	73.6
87.5°	16.7	16.7	20.1	20.1	16.7	16.7	20.1	16.7	20.1	20.1	20.1
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)