

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: P849451

Luminaire Tested: **GLAN-SB6C-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44374 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

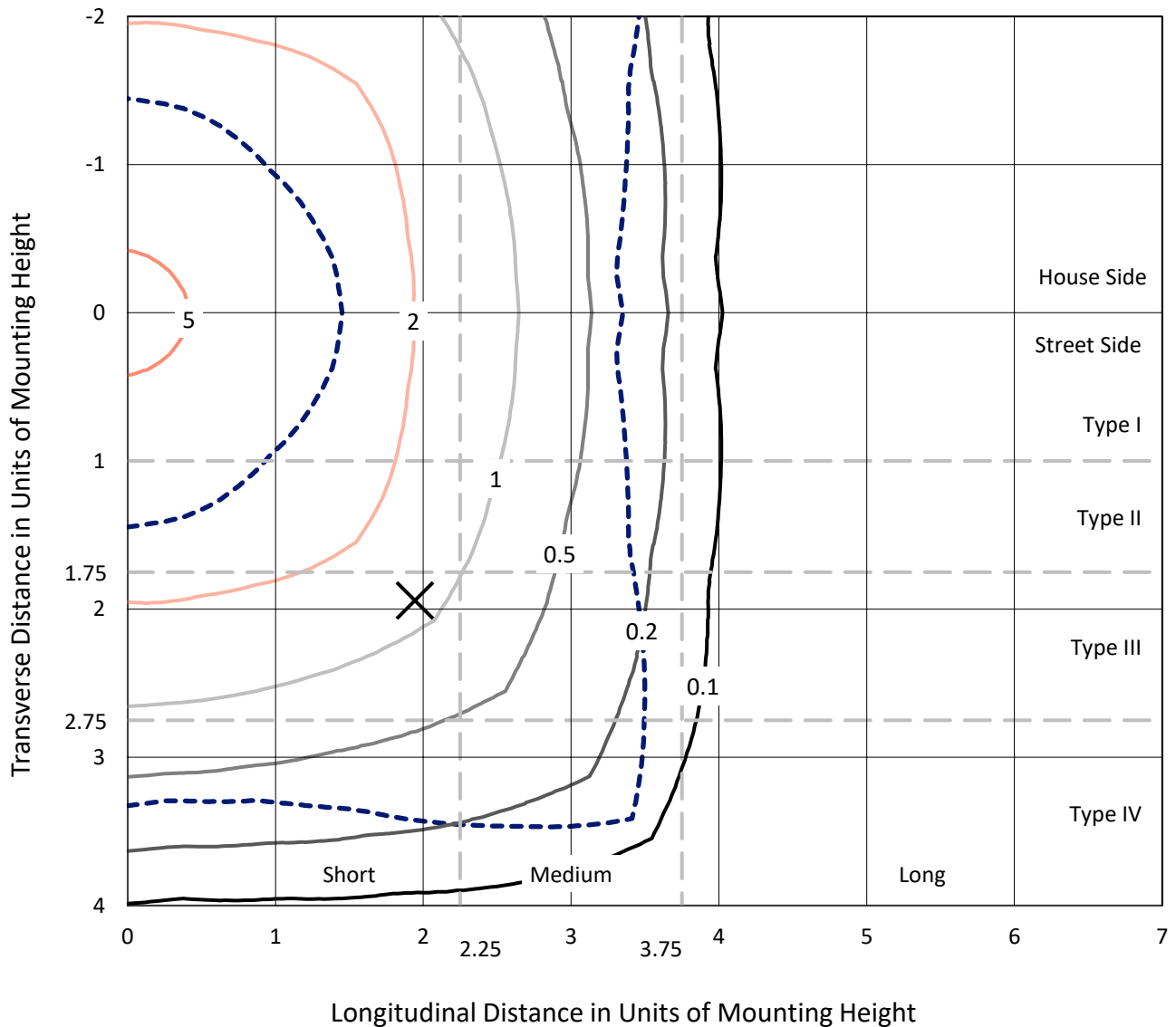
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

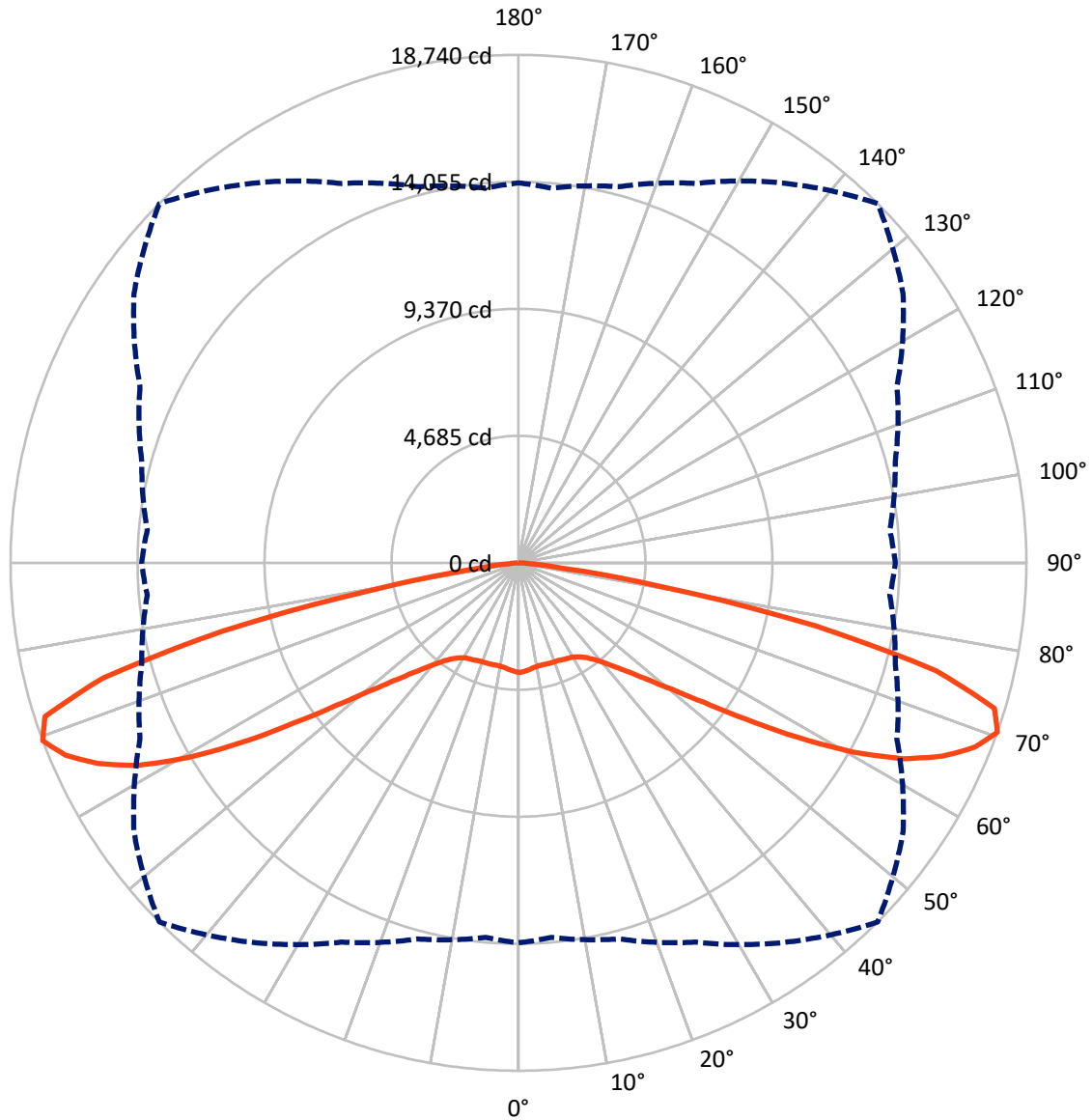
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22187.0	0.0	22187.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22187.0	0.0	22187.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44374.0	0.0	44374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.5	0.8
10°-20°	1105.6	2.5
20°-30°	1839.9	4.1
30°-40°	2782.5	6.3
40°-50°	4623.8	10.4
50°-60°	8725.0	19.7
60°-70°	14732.6	33.2
70°-80°	9680.8	21.8
80°-90°	507.2	1.1
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°	44374.0	100.0
0°-180°	44374.0	100.0

Coefficient of Utilization



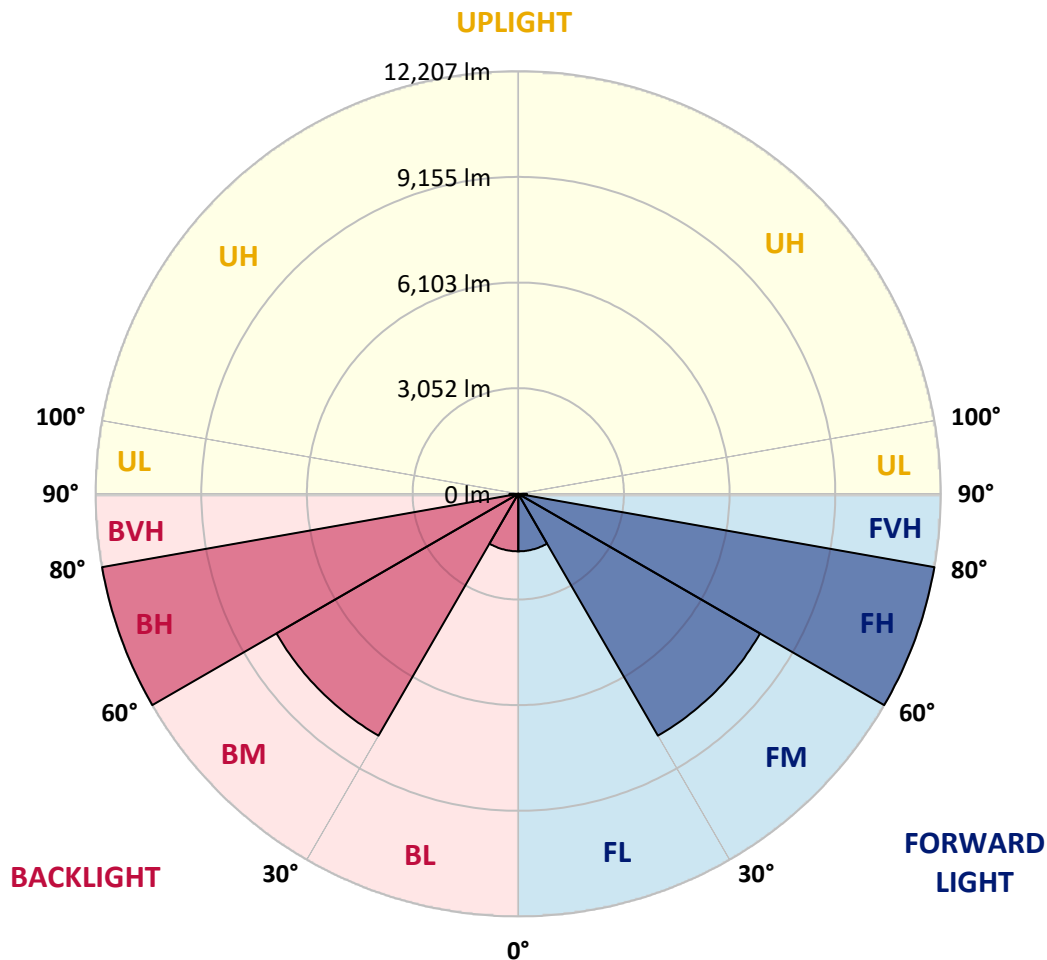
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.0	3.7			
FM (30°-60°)	8065.7	18.2			
FH (60°-80°)	12206.7	27.5			G5
FVH (80°-90°)	253.6	0.6			G3/500
BL (0°-30°)	1661.0	3.7	B3/2500		
BM (30°-60°)	8065.7	18.2	B4/8500		
BH (60°-80°)	12206.7	27.5	B5		G5
BVH (80°-90°)	253.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4047.8	4047.8	4047.8	4047.8	4047.8	4047.8	4047.8	4047.8	4047.8	4047.8
2.5°	4022.4	4034.0	4029.4	4020.1	4020.1	4013.2	4020.1	4024.7	4031.7	4036.3
5°	3969.4	3978.6	3976.3	3969.4	3971.7	3964.8	3969.4	3976.3	3980.9	3983.2
7.5°	3923.3	3932.5	3927.9	3916.3	3916.3	3909.4	3911.7	3918.6	3925.6	3927.9
10°	3911.7	3920.9	3907.1	3888.7	3881.7	3872.5	3874.8	3881.7	3895.6	3902.5
12.5°	3916.3	3923.3	3909.4	3881.7	3874.8	3865.6	3865.6	3872.5	3891.0	3900.2
15°	3930.2	3937.1	3916.3	3886.4	3879.4	3872.5	3870.2	3879.4	3900.2	3916.3
17.5°	3955.5	3962.5	3930.2	3888.7	3879.4	3881.7	3879.4	3886.4	3918.6	3948.6
20°	3978.6	3983.2	3939.4	3888.7	3879.4	3881.7	3879.4	3893.3	3934.8	3976.3
22.5°	3985.5	3990.1	3948.6	3904.8	3897.9	3900.2	3897.9	3911.7	3950.9	3992.4
25°	3987.8	3994.8	3962.5	3927.9	3939.4	3944.0	3939.4	3941.7	3971.7	4008.6
27.5°	4022.4	4031.7	4001.7	3971.7	3978.6	3976.3	3983.2	3990.1	4013.2	4050.1
30°	4093.9	4100.9	4075.5	4045.5	4040.9	4024.7	4045.5	4068.6	4093.9	4126.2
32.5°	4211.6	4225.4	4193.1	4160.8	4140.1	4130.8	4147.0	4186.2	4220.8	4255.4
35°	4407.6	4416.8	4386.8	4326.9	4290.0	4290.0	4303.8	4354.6	4409.9	4453.7
37.5°	4684.4	4695.9	4642.9	4571.4	4516.0	4516.0	4534.5	4587.5	4670.5	4732.8
40°	5021.1	5037.3	4970.4	4896.6	4843.5	4834.3	4857.4	4917.3	4995.7	5074.2
42.5°	5427.1	5445.5	5357.9	5293.3	5251.8	5251.8	5263.3	5318.7	5390.2	5487.0
45°	5946.0	5978.3	5858.4	5793.8	5754.6	5763.8	5770.7	5819.1	5883.7	5994.4
47.5°	6564.1	6596.4	6469.6	6402.7	6395.8	6439.6	6411.9	6446.5	6481.1	6608.0
50°	7265.3	7320.6	7233.0	7228.4	7242.2	7322.9	7258.4	7276.8	7237.6	7318.3
52.5°	8123.3	8204.0	8187.9	8215.5	8370.1	8536.1	8388.5	8323.9	8176.3	8201.7
55°	9163.5	9285.7	9308.8	9474.9	9825.4	10164.5	9850.8	9590.2	9276.5	9218.8
57.5°	10346.7	10443.6	10554.3	10893.3	11548.3	12150.3	11548.3	10971.7	10478.2	10360.5
60°	11619.8	11739.8	11845.9	12346.4	13319.7	14166.2	13301.2	12385.6	11732.9	11573.7
62.5°	12987.6	13142.1	13215.9	13771.8	14906.5	15916.7	14922.7	13813.3	13089.0	12918.4
65°	14299.9	14426.8	14509.8	15102.6	16186.6	17199.1	16260.4	15167.1	14422.2	14198.4
67.5°	14911.1	14980.3	15183.3	15854.5	16998.5	18154.0	17192.2	15926.0	15093.3	14701.2
70°	14016.2	13875.5	14364.5	15439.3	17095.3	18739.8	17316.8	15407.0	14387.6	13751.0
72.5°	10831.0	10588.9	11437.6	13275.9	15988.2	18366.2	16099.0	13379.7	11965.8	10674.2
75°	5893.0	5618.5	6790.2	9115.1	12750.0	15919.0	13042.9	9375.7	7560.5	5849.1
77.5°	1662.9	1559.2	2504.8	4409.9	7668.9	11177.0	7964.1	4506.8	2970.7	1762.1
80°	509.7	493.6	668.9	1328.5	3256.7	5353.2	3129.8	1344.7	851.1	537.4
82.5°	302.1	276.8	332.1	484.4	830.3	1681.4	807.3	505.1	405.9	272.2
85°	173.0	161.5	196.0	235.3	279.1	357.5	233.0	239.9	216.8	145.3
87.5°	71.5	64.6	76.1	73.8	64.6	83.0	62.3	73.8	87.6	57.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4047.8
4034.0
3983.2
3927.9
3902.5
3902.5
3918.6
3948.6
3978.6
3992.4
4006.3
4040.9
4119.3
4241.5
4437.6
4709.8
5048.8
5480.1
5989.8
6571.0
7269.9
8116.4
9128.9
10277.5
11435.3
12780.0
14087.7
14705.9
13903.2
10994.8
6229.7
1958.2
567.4
295.2
152.2
53.0
0.0

OF REPORT)