

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: P531215

Luminaire Tested: **GLAN-SA6C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19805 lumens
Efficiency: N/A
Efficacy: 61.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 321
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

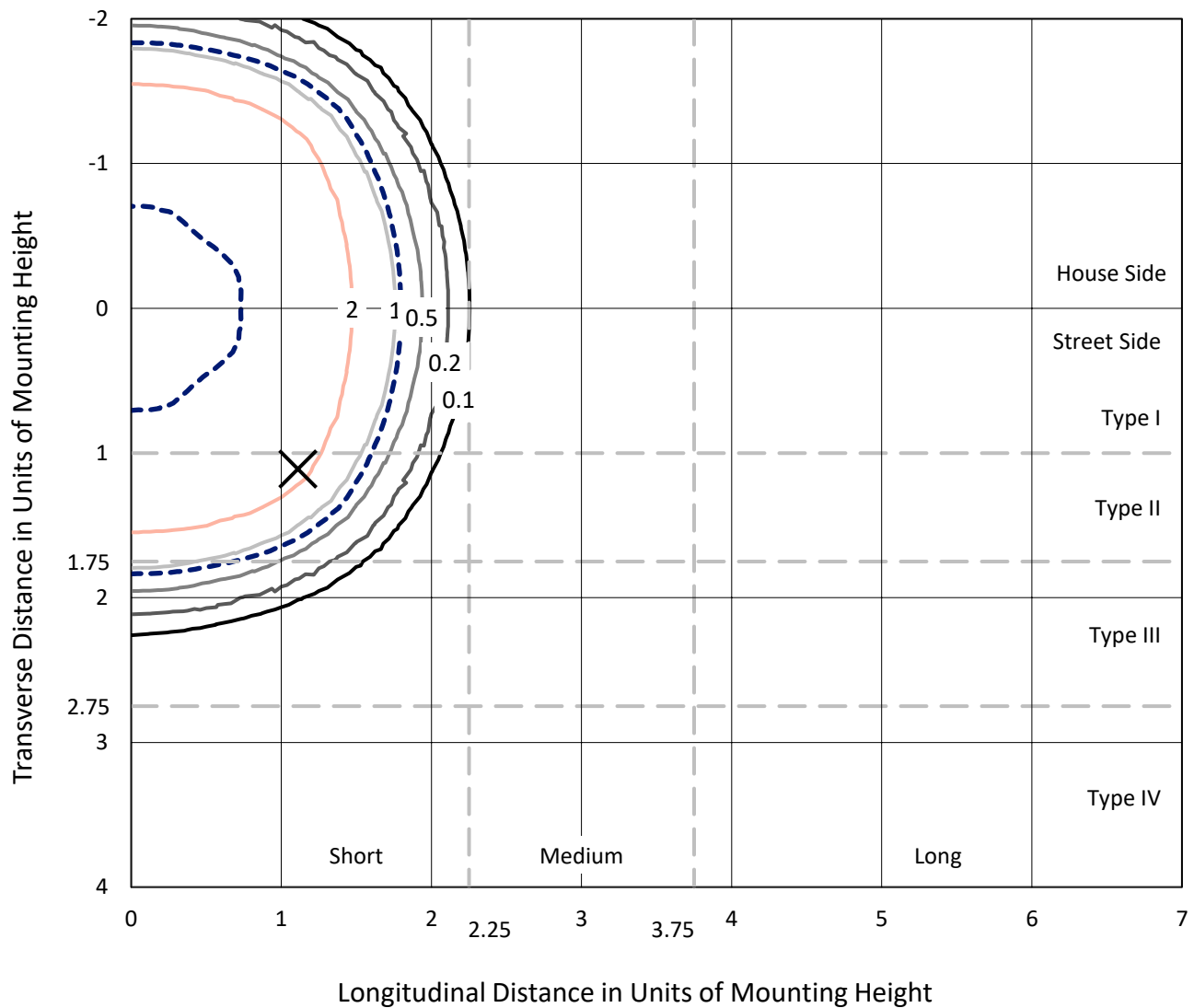


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Iso-Footcandle Lines of Horizontal Illumination

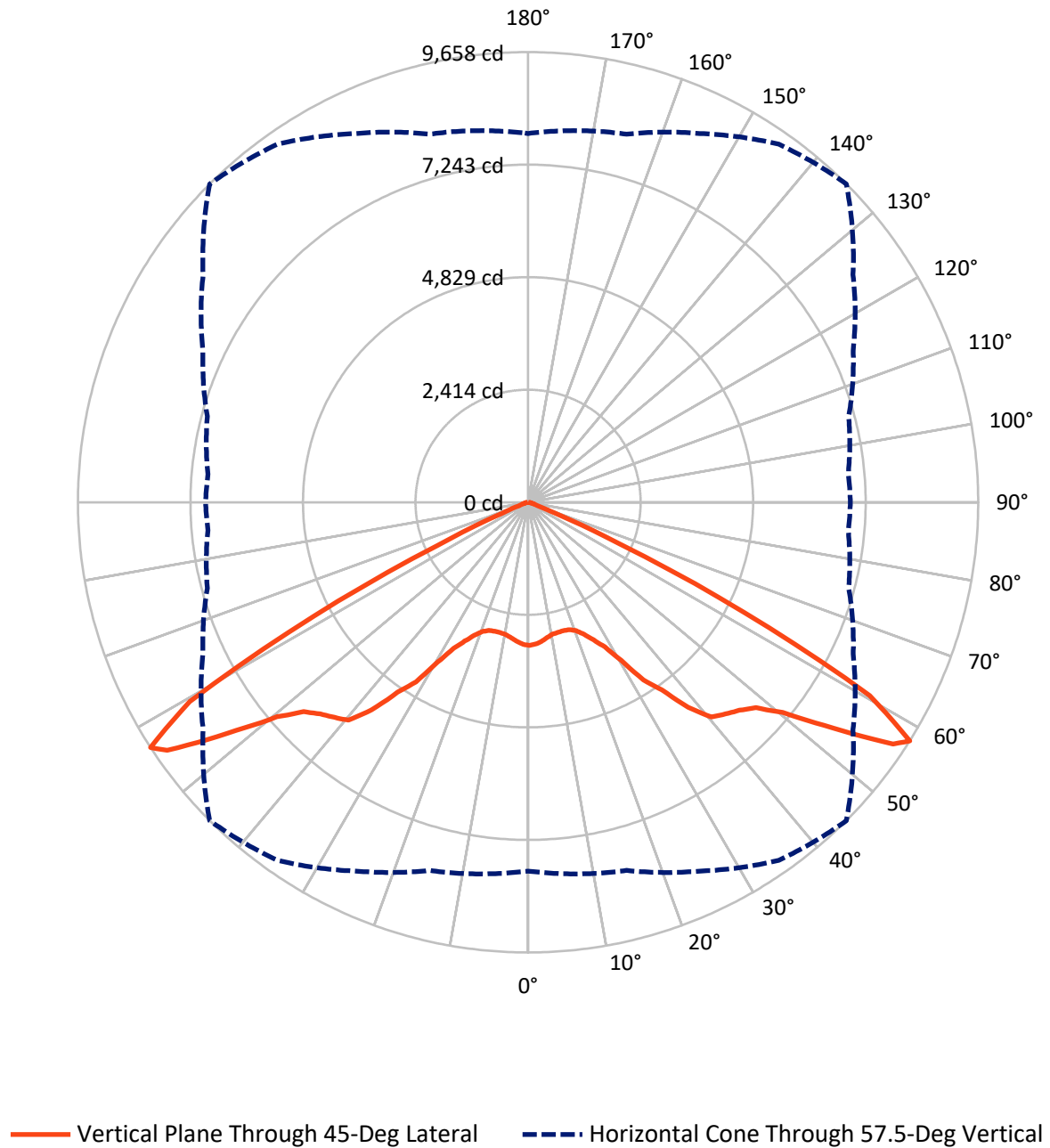
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	9902.5	0.0	9902.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9902.5	0.0	9902.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19805.0	0.0	19805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	1.4
10°-20°	816.0	4.1
20°-30°	1506.2	7.6
30°-40°	2962.1	15.0
40°-50°	4824.4	24.4
50°-60°	6880.2	34.7
60°-70°	2382.1	12.0
70°-80°	127.8	0.6
80°-90°	24.0	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°	19805.0	100.0
0°-180°	19805.0	100.0

Coefficient of Utilization



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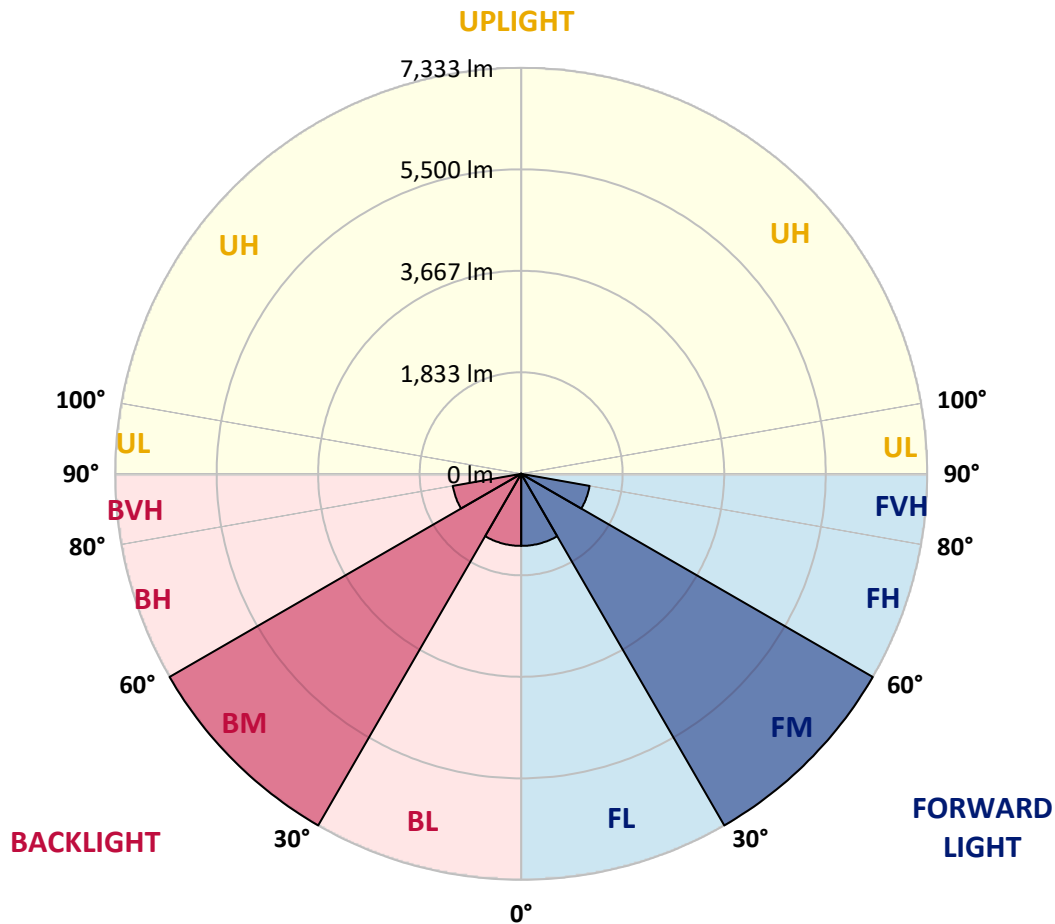
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1302.2	6.6			
FM	(30°-60°)	7333.3	37.0			
FH	(60°-80°)	1254.9	6.3			G1/1800
FVH	(80°-90°)	12.0	0.1			G1/100
BL	(0°-30°)	1302.2	6.6	B3/2500		
BM	(30°-60°)	7333.3	37.0	B4/8500		
BH	(60°-80°)	1254.9	6.3	B3/2500		G1/1800
BVH	(80°-90°)	12.0	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3072.0	3072.0	3072.0	3072.0	3072.0	3072.0	3072.0	3072.0	3072.0	3072.0	3072.0
2.5°	3063.7	3080.2	3059.6	3051.3	3047.2	3047.2	3034.8	3034.8	3030.7	3034.8	3018.3
5°	3014.2	3030.7	3030.7	3026.5	3001.8	2997.6	2985.3	2977.0	2981.1	2964.6	2977.0
7.5°	2964.6	2977.0	2960.5	2956.4	2948.1	2931.6	2927.4	2890.3	2894.4	2894.4	2902.7
10°	2956.4	2952.2	2927.4	2906.8	2882.0	2877.9	2865.5	2857.3	2857.3	2853.1	2865.5
12.5°	2956.4	2935.7	2931.6	2886.2	2844.9	2861.4	2828.4	2807.7	2836.6	2844.9	2861.4
15°	2952.2	2972.9	2902.7	2882.0	2853.1	2857.3	2828.4	2807.7	2824.2	2832.5	2844.9
17.5°	2977.0	2964.6	2944.0	2902.7	2890.3	2873.8	2836.6	2820.1	2820.1	2840.7	2844.9
20°	3043.1	3010.0	2968.7	2948.1	2960.5	2939.8	2894.4	2832.5	2849.0	2865.5	2877.9
22.5°	3105.0	3080.2	3051.3	3038.9	3109.1	3076.1	2997.6	2927.4	2902.7	2931.6	2952.2
25°	3224.7	3224.7	3171.1	3187.6	3266.0	3270.2	3179.3	3055.4	3038.9	3051.3	3059.6
27.5°	3468.3	3480.7	3435.3	3451.8	3484.9	3513.8	3435.3	3332.1	3294.9	3290.8	3303.2
30°	3732.6	3757.4	3753.2	3823.4	3918.4	3934.9	3819.3	3650.0	3538.5	3517.9	3534.4
32.5°	4079.4	4091.8	4083.6	4166.1	4422.1	4541.9	4240.5	4001.0	3852.3	3889.5	3852.3
35°	4731.8	4719.4	4628.6	4645.1	4855.7	4942.4	4653.4	4500.6	4430.4	4504.7	4488.2
37.5°	5293.4	5247.9	5173.6	5281.0	5499.8	5578.3	5276.8	5008.5	4880.5	5004.3	5058.0
40°	5768.2	5652.6	5549.4	5656.7	5949.9	6057.2	5615.4	5396.6	5347.0	5437.9	5553.5
42.5°	6168.7	6094.4	5958.1	5966.4	6160.4	6210.0	5854.9	5726.9	5677.4	5821.9	5879.7
45°	6453.6	6383.4	6255.4	6247.2	6395.8	6362.8	6044.8	5958.1	5987.0	6082.0	6110.9
47.5°	6598.1	6635.3	6561.0	6581.6	6660.0	6581.6	6329.7	6329.7	6263.7	6321.5	6292.6
50°	7015.1	6899.5	6994.5	6994.5	7077.1	7085.3	6833.5	6742.6	6565.1	6466.0	6466.0
52.5°	7502.4	7510.6	7547.8	7684.0	7824.4	7944.2	7584.9	7196.8	6899.5	6771.5	6755.0
55°	7902.9	7985.5	8134.1	8390.1	8794.7	8959.9	8340.5	7646.9	7283.5	7085.3	7044.0
56°	8121.7	8043.3	8299.3	8650.2	9178.7	9393.4	8464.4	7737.7	7337.2	7114.2	7110.1
57.5°	7911.1	7997.8	8175.4	8728.7	9376.9	9657.7	8509.8	7696.4	7122.5	6895.4	6916.0
60°	6247.2	6329.7	6569.2	7188.6	8204.3	8423.1	7200.9	6346.2	5834.3	5508.1	5512.2
62.5°	3534.4	3596.3	3782.1	4356.1	4987.8	5198.4	4488.2	3918.4	3563.3	3381.6	3323.8
65°	1300.6	1275.9	1304.8	1597.9	1986.0	2163.6	1866.3	1577.3	1391.5	1325.4	1300.6
67.5°	487.2	450.1	421.2	450.1	565.7	598.7	549.2	458.3	429.4	441.8	450.1
70°	301.4	284.9	227.1	214.7	210.6	206.4	218.8	231.2	264.3	309.7	317.9
72.5°	210.6	198.2	161.0	152.8	144.5	140.4	161.0	177.5	206.4	239.5	243.6
75°	82.6	86.7	82.6	90.8	95.0	99.1	115.6	128.0	140.4	140.4	136.3
77.5°	16.5	16.5	24.8	33.0	41.3	53.7	78.5	90.8	95.0	90.8	78.5
80°	0.0	0.0	8.3	16.5	33.0	45.4	70.2	78.5	86.7	78.5	61.9
82.5°	0.0	0.0	8.3	20.6	33.0	41.3	66.1	82.6	95.0	86.7	66.1
85°	0.0	0.0	8.3	16.5	24.8	28.9	28.9	20.6	20.6	12.4	8.3
87.5°	0.0	0.0	0.0	0.0	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)