

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: P850294

Luminaire Tested: **GLAN-SB7D-727-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-727-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 63667 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

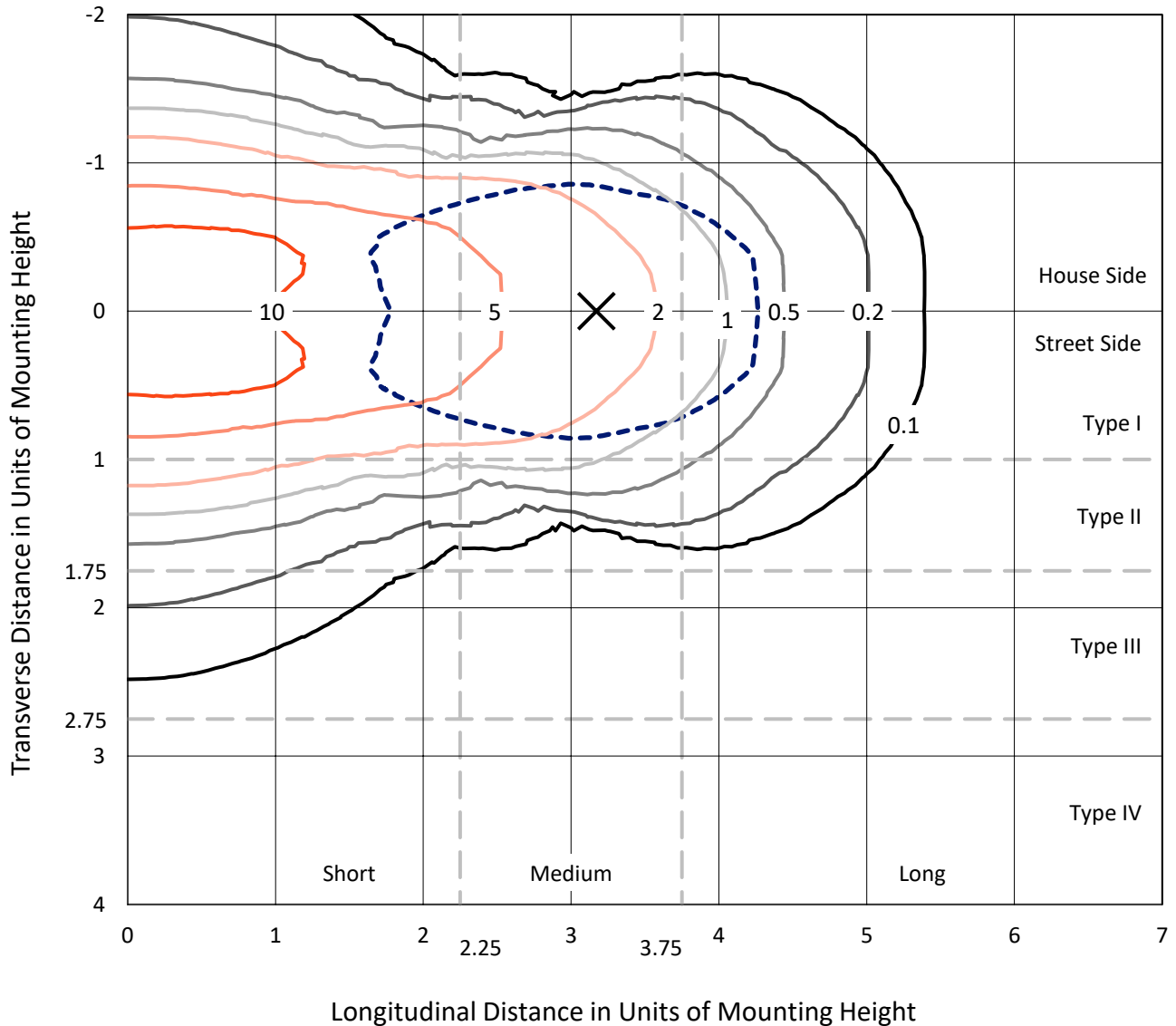
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

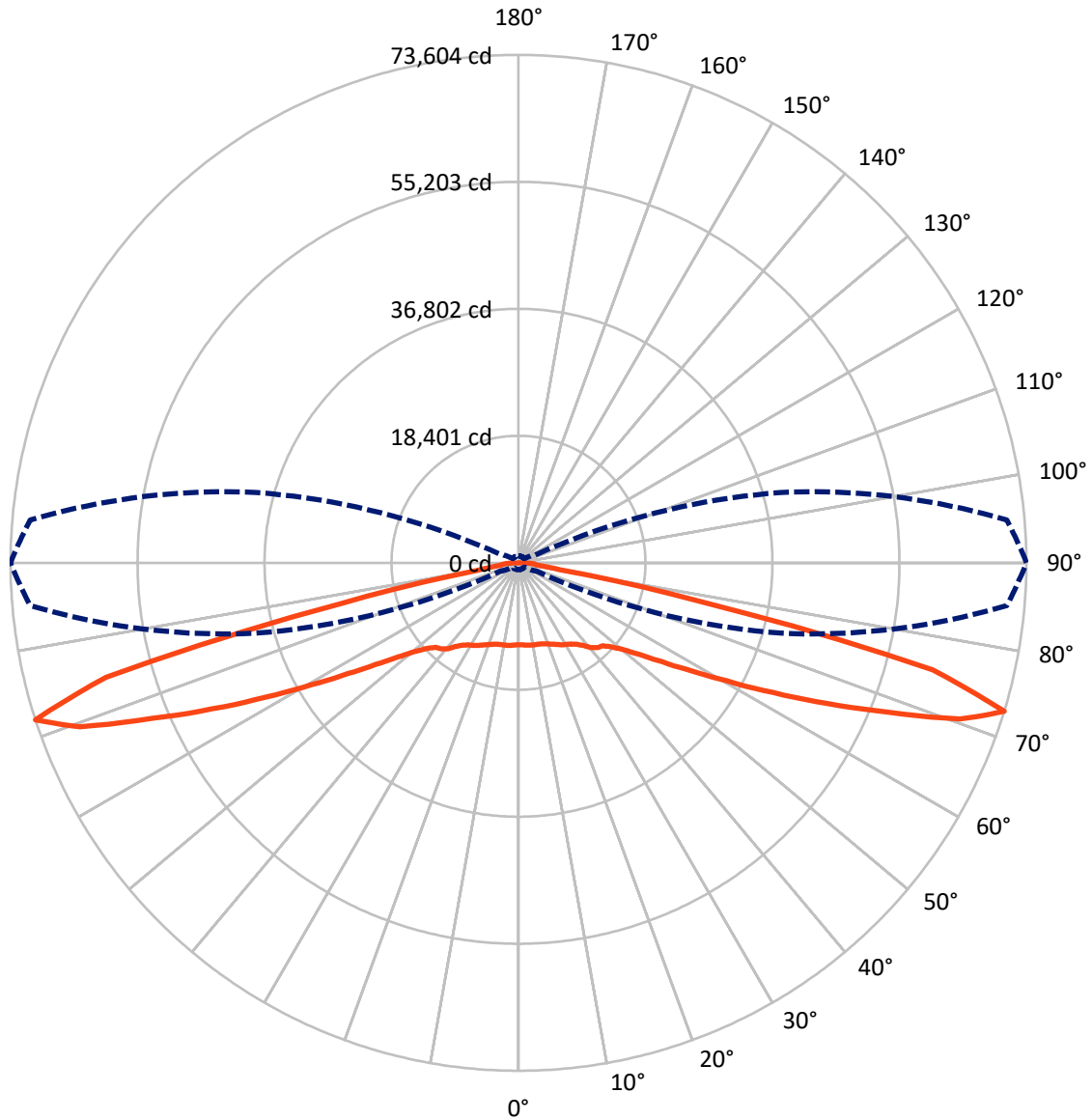
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	31833.5	0.0	31833.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	31833.5	0.0	31833.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	63667.0	0.0	63667.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1153.5	1.8
10°-20°	3527.1	5.5
20°-30°	5881.1	9.2
30°-40°	8088.3	12.7
40°-50°	9878.0	15.5
50°-60°	11425.0	17.9
60°-70°	13622.4	21.4
70°-80°	9507.6	14.9
80°-90°	584.0	0.9
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°	63667.0	100.0
0°-180°	63667.0	100.0

**Coefficient of Utilization**



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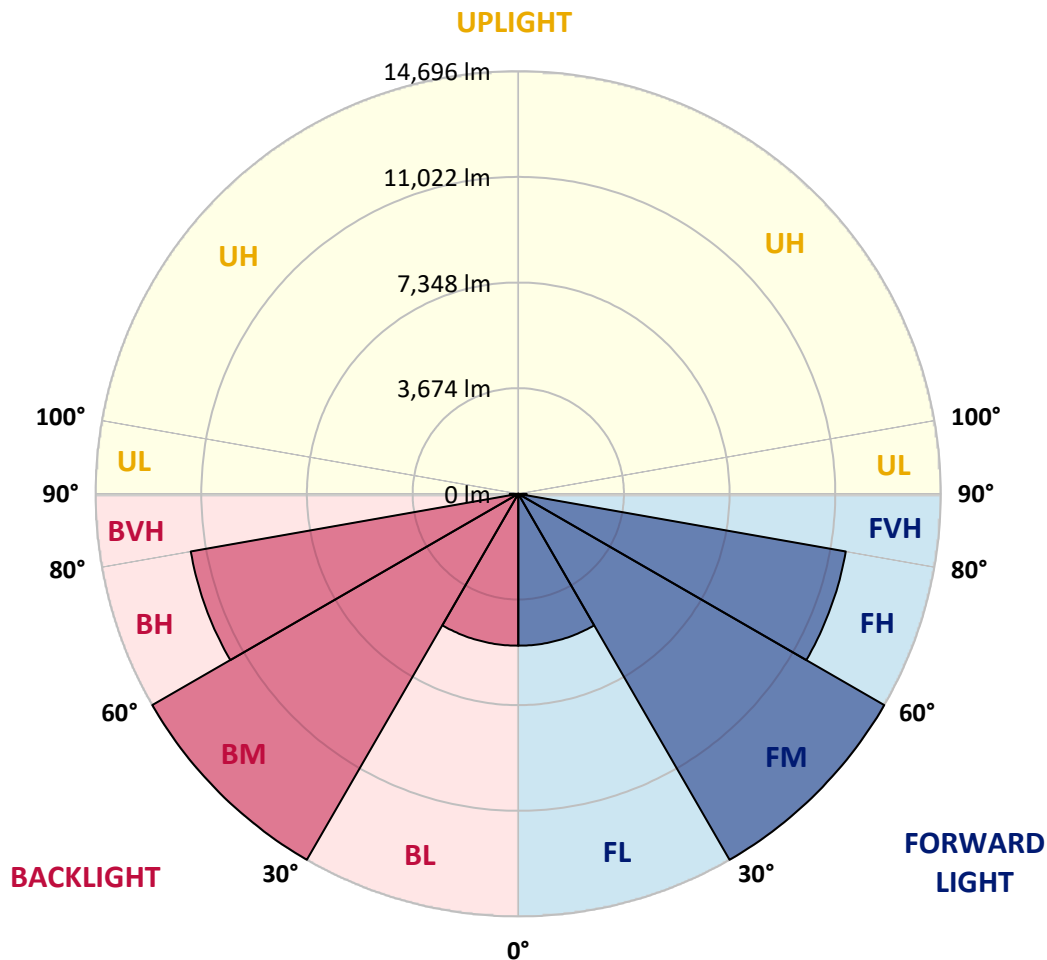
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5280.8	8.3			
FM (30°-60°)	14695.7	23.1			
FH (60°-80°)	11565.0	18.2			G4/12000
FVH (80°-90°)	292.0	0.5			G3/500
BL (0°-30°)	5280.8	8.3	B5		
BM (30°-60°)	14695.7	23.1	B5		
BH (60°-80°)	11565.0	18.2	B5		G5
BVH (80°-90°)	292.0	0.5			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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11896.9	11896.9	11896.9	11896.9	11896.9	11896.9	11896.9	11896.9	11896.9	11896.9
2.5°	11907.0	11920.5	11920.5	11910.4	11934.1	11913.8	11913.8	11903.6	11913.8	11903.6
5°	11967.9	11984.8	11991.6	11988.2	12018.7	12001.7	12001.7	11988.2	11991.6	11981.4
7.5°	12083.0	12106.6	12120.2	12137.1	12181.1	12160.8	12147.2	12106.6	12089.7	12062.6
10°	12120.2	12147.2	12191.2	12279.2	12380.7	12384.1	12343.5	12242.0	12164.2	12103.3
12.5°	12005.1	12042.3	12133.7	12313.0	12539.7	12631.1	12566.8	12397.6	12245.4	12137.1
15°	11859.6	11900.2	12039.0	12309.7	12644.6	12857.8	12851.0	12627.7	12384.1	12214.9
17.5°	11632.9	11673.5	11873.2	12252.1	12725.8	13077.7	13172.5	12942.4	12600.6	12373.9
20°	11223.5	11260.7	11538.2	12069.4	12752.9	13311.2	13558.2	13355.2	12928.9	12620.9
22.5°	10692.3	10749.8	11074.6	11754.7	12688.6	13554.8	13998.1	13859.4	13311.2	12884.9
25°	10123.8	10184.7	10563.7	11369.0	12522.8	13730.8	14519.2	14431.2	13744.3	13213.1
27.5°	9633.2	9697.5	10110.3	10986.7	12265.7	13798.5	15033.5	15077.5	14268.8	13575.1
30°	9247.5	9308.4	9748.2	10678.7	11934.1	13730.8	15483.5	15788.0	14803.4	13889.8
32.5°	8824.5	8902.3	9365.9	10303.2	11541.6	13568.4	15876.0	16556.1	15422.6	14228.2
35°	8289.9	8361.0	8848.2	9788.8	11027.3	13307.8	16204.2	17408.8	16309.1	14742.5
37.5°	7640.2	7707.9	8191.8	9146.0	10516.3	12942.4	16454.6	18369.7	17364.8	15483.5
40°	6987.2	7051.5	7504.9	8428.6	9903.9	12475.5	16542.6	19310.4	18576.1	16502.0
42.5°	6388.3	6445.8	6862.0	7721.4	9217.0	11879.9	16427.5	20129.2	19662.3	17212.5
45°	5836.8	5887.5	6256.3	7058.3	8503.1	11155.8	16082.4	21009.0	20954.8	17720.1
47.5°	5207.4	5258.2	5640.5	6415.4	7789.1	10306.5	15497.0	21875.2	22751.5	18870.5
50°	4439.3	4483.3	4875.8	5674.4	7048.1	9403.1	14685.0	22555.3	25018.6	20613.1
52.5°	3529.1	3576.5	3958.8	4757.4	6168.4	8432.0	13615.7	22998.5	27637.5	23157.6
55°	2625.7	2659.5	2991.1	3708.5	5078.8	7325.6	12275.8	23123.7	30608.3	26636.0
57.5°	1905.0	1925.3	2138.5	2673.1	3850.6	5941.7	10648.3	22798.9	34144.2	31095.6
60°	1542.9	1549.7	1614.0	1850.8	2676.5	4378.4	8682.4	21682.3	37981.3	36844.4
62.5°	1400.8	1400.8	1417.7	1482.0	1810.2	2889.6	6303.7	19367.9	42095.8	44109.0
65°	1302.7	1302.7	1309.5	1339.9	1427.9	1840.7	3979.2	15598.5	45564.0	52618.9
67.5°	1214.7	1218.1	1214.7	1224.9	1275.6	1360.2	2307.6	10773.5	47431.8	61436.6
70°	1123.4	1130.1	1113.2	1113.2	1153.8	1157.2	1444.8	5907.8	45882.1	68826.5
72.5°	1015.1	1025.2	998.2	991.4	1021.9	1008.3	1086.1	2835.5	39392.2	71032.6
75°	920.3	933.9	873.0	856.1	856.1	845.9	883.1	1455.0	25566.7	57944.7
77.5°	835.8	862.8	764.7	710.6	697.0	666.6	720.7	889.9	11182.9	27204.4
80°	690.3	727.5	629.4	565.1	541.4	507.5	568.5	622.6	3326.1	6317.2
82.5°	514.3	531.2	446.6	402.7	382.4	358.7	426.3	433.1	1082.8	2236.6
85°	328.2	335.0	274.1	236.9	226.7	216.6	270.7	236.9	412.8	1644.4
87.5°	115.0	132.0	104.9	94.7	101.5	84.6	125.2	71.1	115.0	1160.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11896.9  
11903.6  
11981.4  
12062.6  
12093.1  
12120.2  
12187.8  
12336.7  
12563.4  
12807.0  
13104.8  
13460.1  
13724.0  
14018.4  
14509.0  
15172.2  
16170.4  
16786.2  
17144.9  
18207.3  
19780.7  
22132.3  
25353.6  
29481.6  
34810.8  
41385.2  
49174.3  
57718.0  
67848.6  
73604.2  
61978.0  
26639.3  
6049.9  
2527.6  
2388.8  
1438.0  
0.0

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