

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: P847684

Luminaire Tested: **GLAN-SB3D-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847684
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-SB3D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19451 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

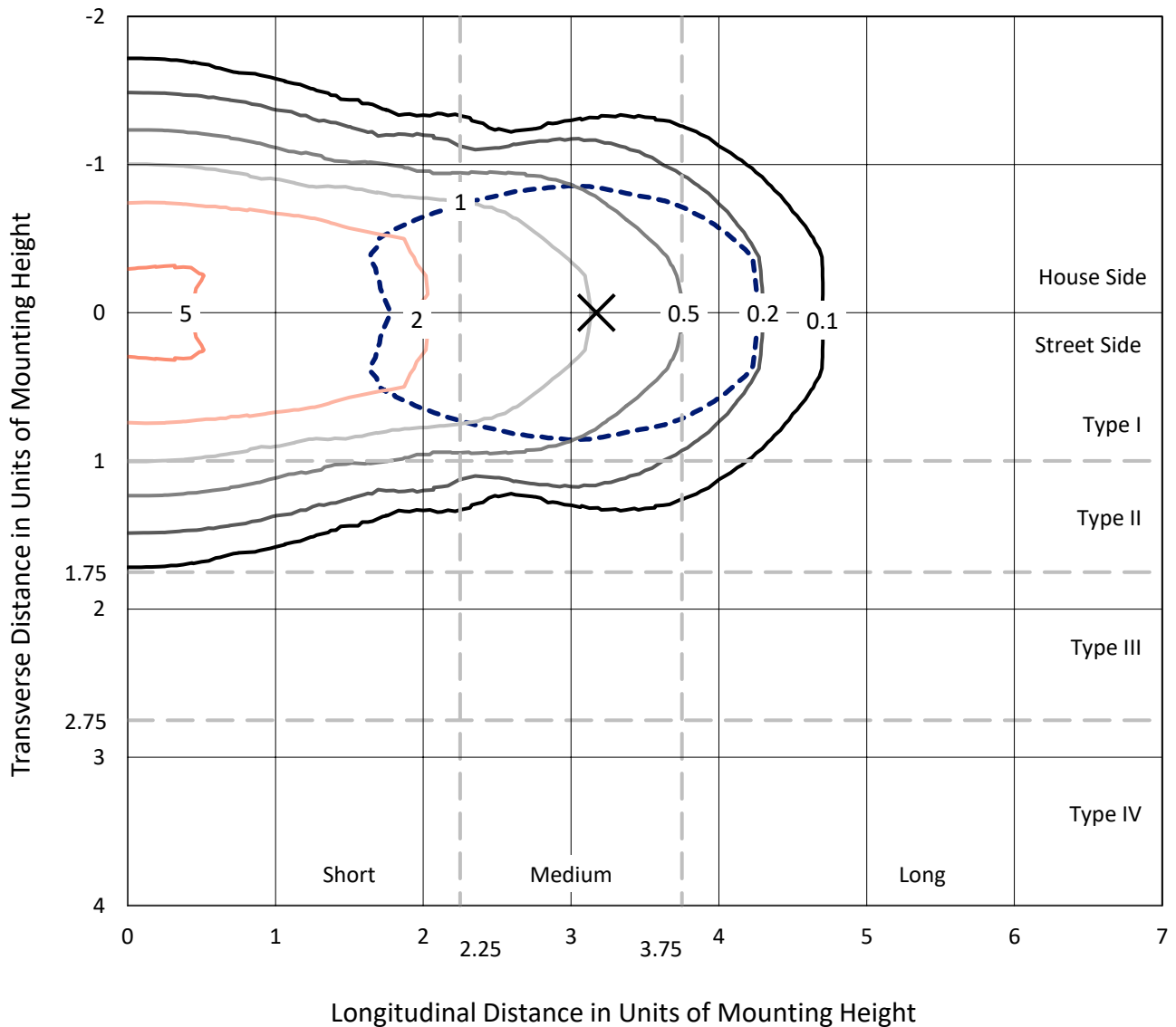
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

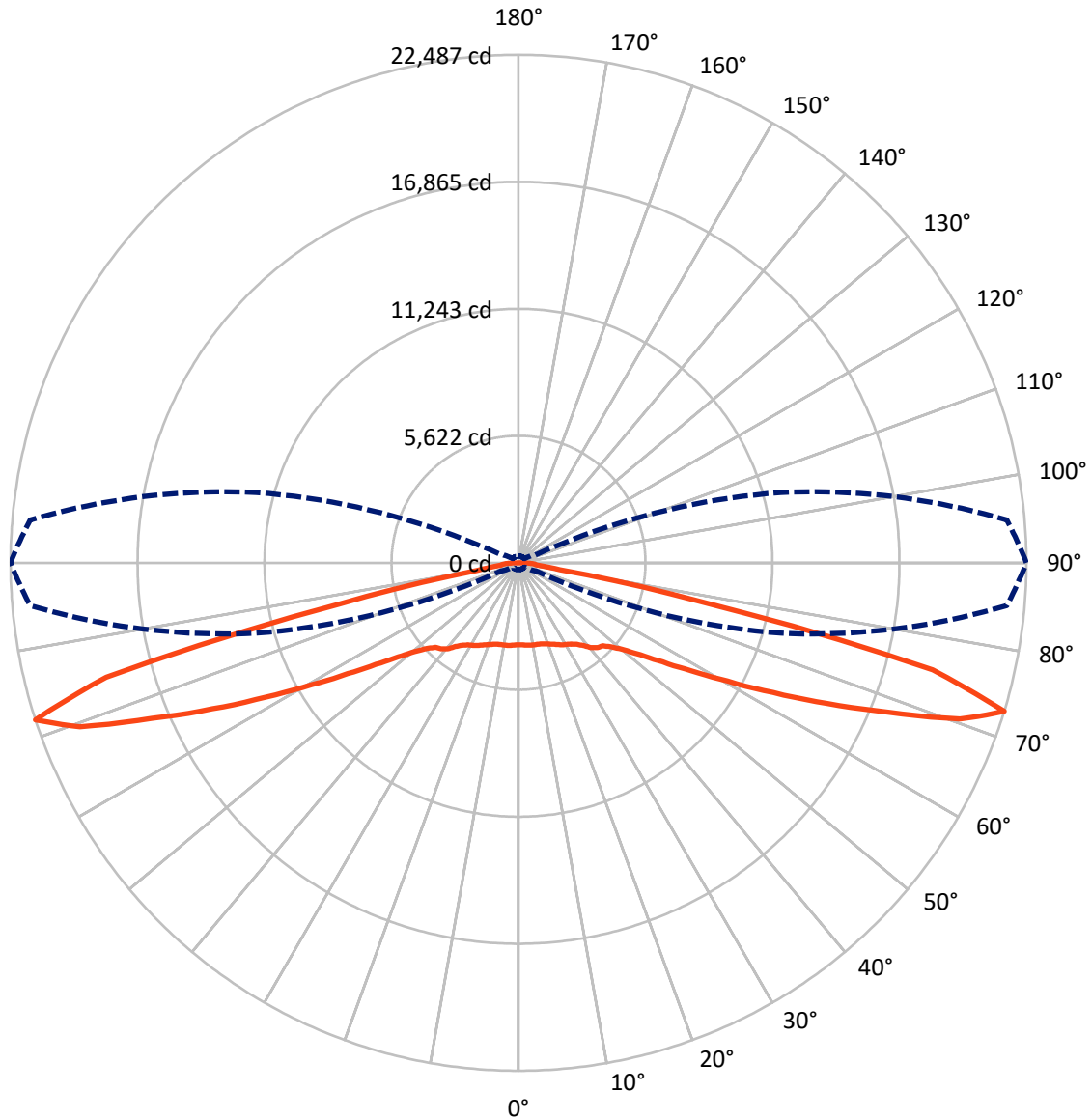
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
House Side	Lumens	9725.5	0.0	9725.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9725.5	0.0	9725.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19451.0	0.0	19451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.4	1.8
10°-20°	1077.6	5.5
20°-30°	1796.7	9.2
30°-40°	2471.1	12.7
40°-50°	3017.9	15.5
50°-60°	3490.5	17.9
60°-70°	4161.8	21.4
70°-80°	2904.7	14.9
80°-90°	178.4	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°	19451.0	100.0
0°-180°	19451.0	100.0

Coefficient of Utilization



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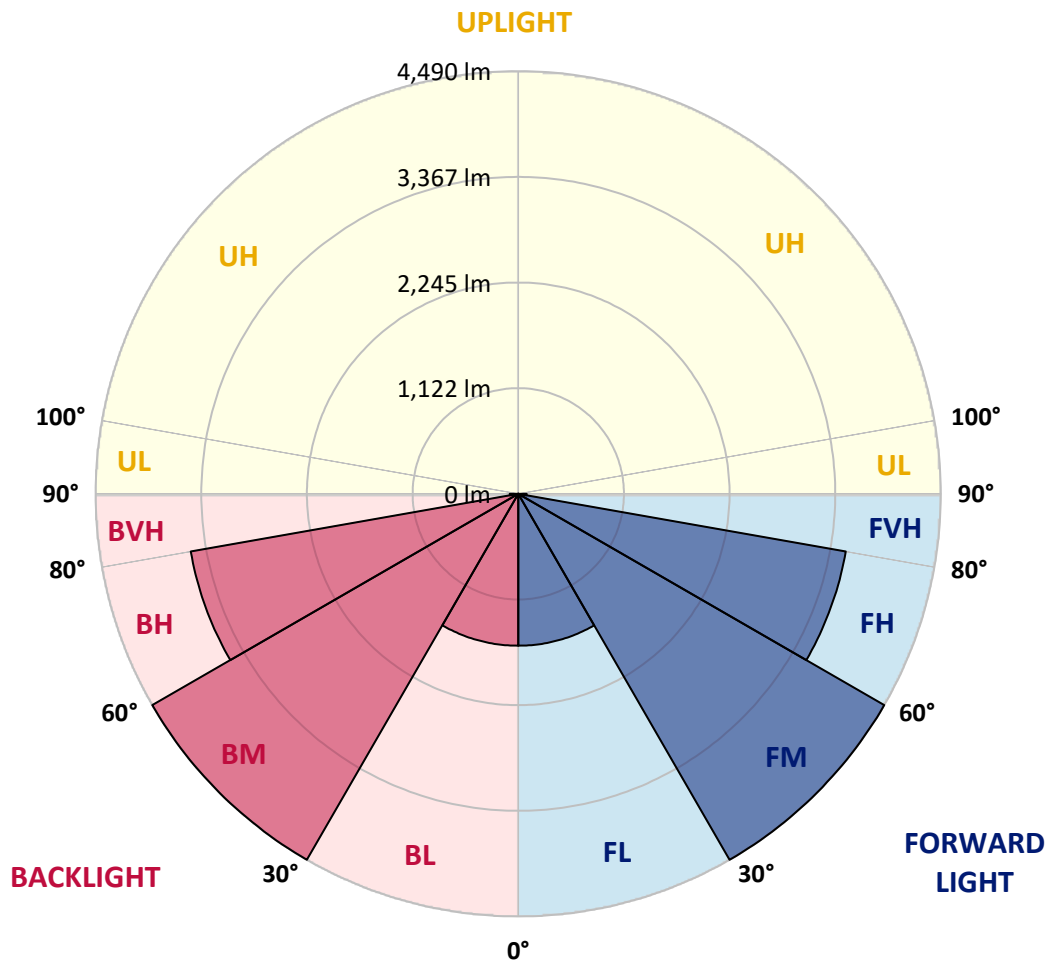
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.4	8.3			
FM (30°-60°)	4489.7	23.1			
FH (60°-80°)	3533.2	18.2			G2/5000
FVH (80°-90°)	89.2	0.5			G1/100
BL (0°-30°)	1613.4	8.3	B3/2500		
BM (30°-60°)	4489.7	23.1	B3/5000		
BH (60°-80°)	3533.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	89.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3634.6	3634.6	3634.6	3634.6	3634.6	3634.6	3634.6	3634.6	3634.6	3634.6
2.5°	3637.7	3641.9	3641.9	3638.8	3646.0	3639.8	3639.8	3636.7	3639.8	3636.7
5°	3656.3	3661.5	3663.6	3662.5	3671.8	3666.7	3666.7	3662.5	3663.6	3660.5
7.5°	3691.5	3698.7	3702.9	3708.0	3721.5	3715.3	3711.1	3698.7	3693.5	3685.3
10°	3702.9	3711.1	3724.6	3751.4	3782.4	3783.5	3771.1	3740.1	3716.3	3697.7
12.5°	3667.7	3679.1	3707.0	3761.8	3831.0	3858.9	3839.3	3787.6	3741.1	3708.0
15°	3623.3	3635.7	3678.0	3760.7	3863.1	3928.2	3926.1	3857.9	3783.5	3731.8
17.5°	3554.0	3566.4	3627.4	3743.2	3887.9	3995.4	4024.3	3954.0	3849.6	3780.4
20°	3428.9	3440.3	3525.0	3687.3	3896.2	4066.7	4142.2	4080.2	3949.9	3855.8
22.5°	3266.6	3284.2	3383.4	3591.2	3876.5	4141.2	4276.6	4234.2	4066.7	3936.5
25°	3092.9	3111.6	3227.3	3473.4	3825.9	4194.9	4435.8	4408.9	4199.0	4036.7
27.5°	2943.1	2962.7	3088.8	3356.5	3747.3	4215.6	4592.9	4606.3	4359.3	4147.4
30°	2825.2	2843.8	2978.2	3262.5	3646.0	4194.9	4730.4	4823.4	4522.6	4243.5
32.5°	2696.0	2719.8	2861.4	3147.7	3526.1	4145.3	4850.3	5058.1	4711.8	4346.9
35°	2532.7	2554.4	2703.2	2990.6	3369.0	4065.7	4950.6	5318.6	4982.6	4504.0
37.5°	2334.2	2354.9	2502.7	2794.2	3212.9	3954.0	5027.1	5612.2	5305.1	4730.4
40°	2134.7	2154.3	2292.8	2575.0	3025.8	3811.4	5053.9	5899.5	5675.2	5041.5
42.5°	1951.7	1969.3	2096.4	2359.0	2815.9	3629.5	5018.8	6149.7	6007.1	5258.6
45°	1783.2	1798.7	1911.4	2156.4	2597.8	3408.2	4913.4	6418.5	6401.9	5413.7
47.5°	1590.9	1606.4	1723.2	1960.0	2379.7	3148.8	4734.5	6683.1	6950.9	5765.2
50°	1356.3	1369.7	1489.6	1733.6	2153.3	2872.8	4486.4	6890.9	7643.5	6297.5
52.5°	1078.2	1092.7	1209.5	1453.4	1884.5	2576.1	4159.8	7026.3	8443.6	7074.9
55°	802.2	812.5	913.8	1133.0	1551.6	2238.0	3750.4	7064.6	9351.2	8137.6
57.5°	582.0	588.2	653.3	816.7	1176.4	1815.2	3253.2	6965.3	10431.5	9500.1
60°	471.4	473.5	493.1	565.5	817.7	1337.7	2652.6	6624.2	11603.7	11256.4
62.5°	428.0	428.0	433.1	452.8	553.1	882.8	1925.9	5917.1	12860.7	13475.8
65°	398.0	398.0	400.1	409.4	436.2	562.4	1215.7	4765.5	13920.3	16075.7
67.5°	371.1	372.1	371.1	374.2	389.7	415.6	705.0	3291.4	14490.9	18769.6
70°	343.2	345.3	340.1	340.1	352.5	353.5	441.4	1804.9	14017.5	21027.3
72.5°	310.1	313.2	305.0	302.9	312.2	308.1	331.8	866.3	12034.8	21701.3
75°	281.2	285.3	266.7	261.5	261.5	258.4	269.8	444.5	7810.9	17702.8
77.5°	255.3	263.6	233.6	217.1	213.0	203.6	220.2	271.9	3416.5	8311.3
80°	210.9	222.3	192.3	172.6	165.4	155.1	173.7	190.2	1016.2	1930.0
82.5°	157.1	162.3	136.5	123.0	116.8	109.6	130.3	132.3	330.8	683.3
85°	100.3	102.3	83.7	72.4	69.3	66.2	82.7	72.4	126.1	502.4
87.5°	35.1	40.3	32.0	28.9	31.0	25.8	38.2	21.7	35.1	354.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3634.6
3636.7
3660.5
3685.3
3694.6
3702.9
3723.5
3769.0
3838.3
3912.7
4003.7
4112.2
4192.8
4282.8
4432.7
4635.3
4940.2
5128.4
5238.0
5562.5
6043.2
6761.7
7745.8
9007.0
10635.1
12643.7
15023.3
17633.5
20728.5
22486.9
18935.0
8138.6
1848.3
772.2
729.8
439.3
0.0

OF REPORT)