

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: P850354

Luminaire Tested: **GLAN-SB7D-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850354
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57081 lumens
Efficiency: N/A
Efficacy: 111.3 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

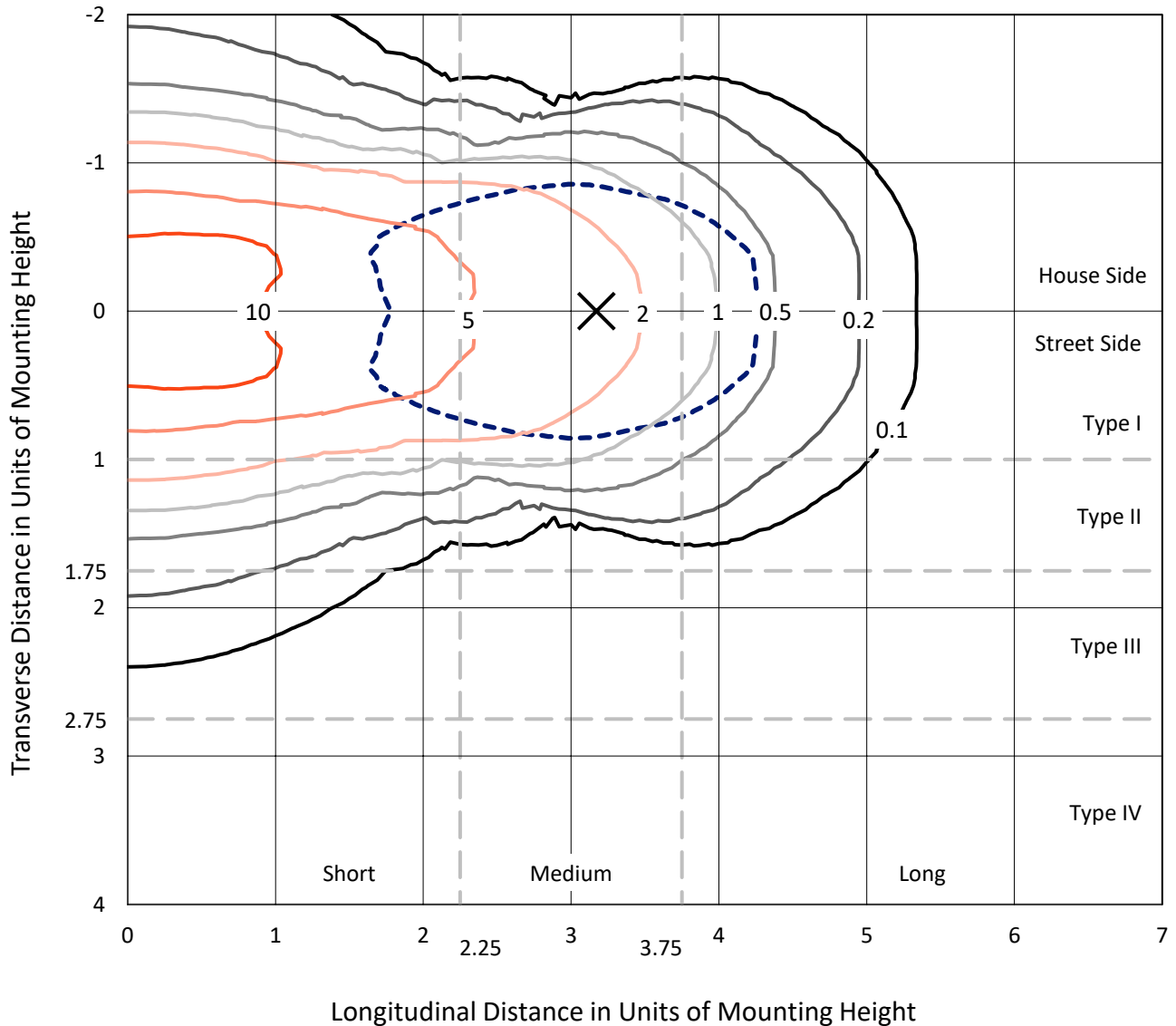
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

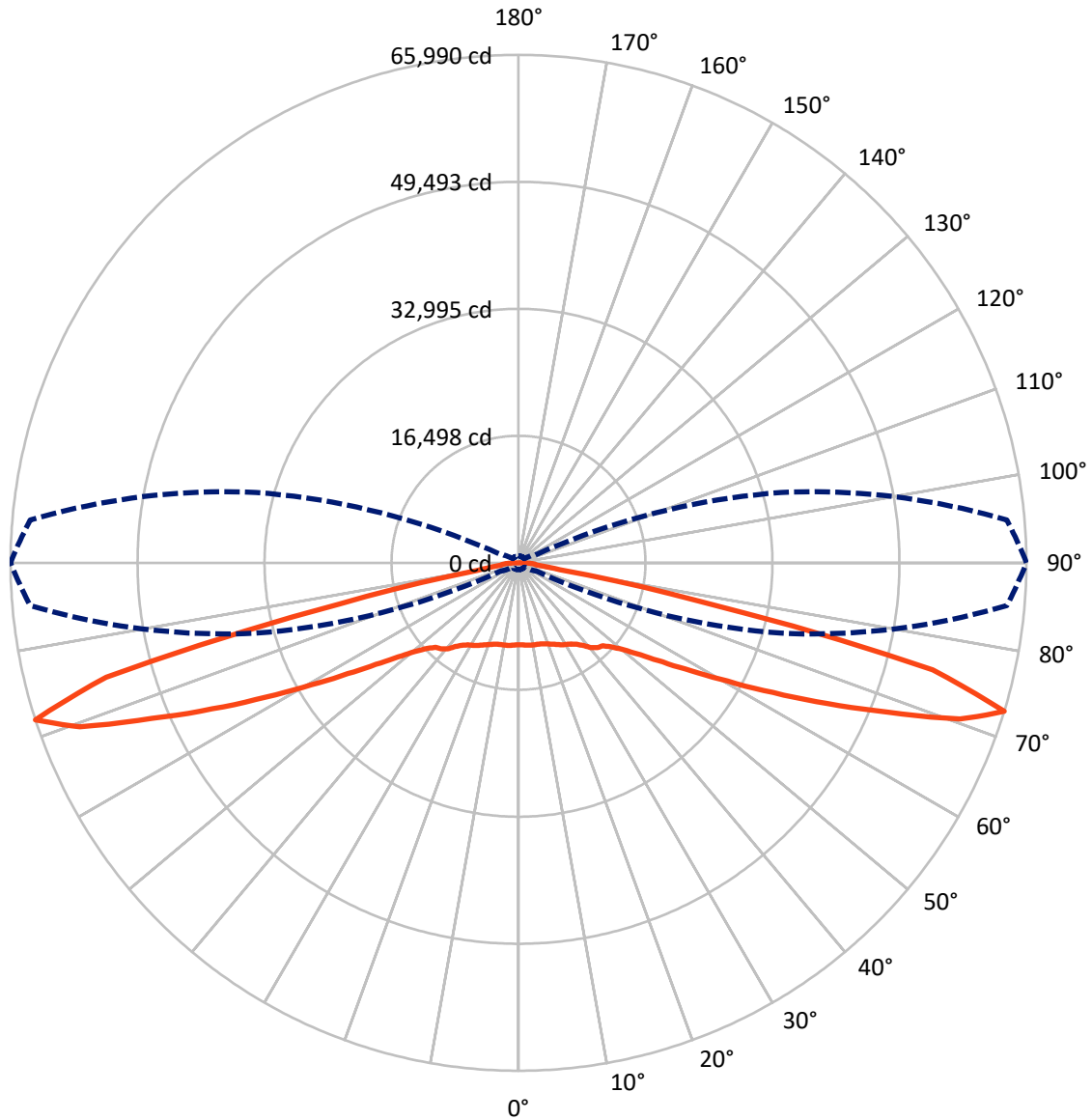
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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	28540.5	0.0	28540.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28540.5	0.0	28540.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57081.0	0.0	57081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1034.2	1.8
10°-20°	3162.2	5.5
20°-30°	5272.7	9.2
30°-40°	7251.6	12.7
40°-50°	8856.2	15.5
50°-60°	10243.1	17.9
60°-70°	12213.3	21.4
70°-80°	8524.1	14.9
80°-90°	523.5	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°	57081.0	100.0
0°-180°	57081.0	100.0

Coefficient of Utilization

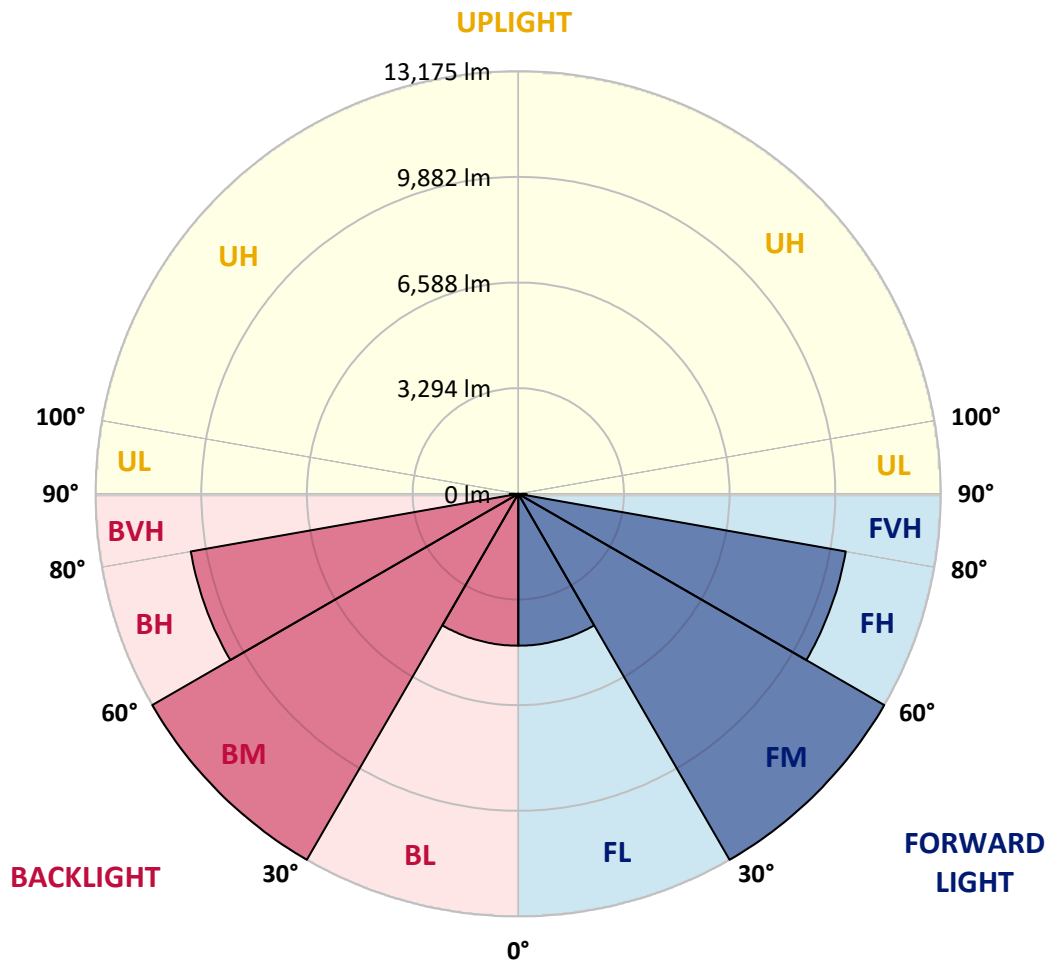


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4734.6	8.3			
FM (30°-60°)	13175.5	23.1			
FH (60°-80°)	10368.7	18.2			G4/12000
FVH (80°-90°)	261.8	0.5			G3/500
BL (0°-30°)	4734.6	8.3	B4/5000		
BM (30°-60°)	13175.5	23.1	B5		
BH (60°-80°)	10368.7	18.2	B5		G5
BVH (80°-90°)	261.8	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°	10666.2	10666.2	10666.2	10666.2	10666.2	10666.2	10666.2	10666.2	10666.2	10666.2
2.5°	10675.3	10687.4	10687.4	10678.3	10699.6	10681.4	10681.4	10672.3	10681.4	10672.3
5°	10729.9	10745.1	10751.1	10748.1	10775.4	10760.2	10760.2	10748.1	10751.1	10742.0
7.5°	10833.0	10854.3	10866.4	10881.6	10921.0	10902.8	10890.7	10854.3	10839.1	10814.8
10°	10866.4	10890.7	10930.1	11009.0	11100.0	11103.0	11066.6	10975.6	10905.8	10851.2
12.5°	10763.3	10796.6	10878.5	11039.3	11242.6	11324.5	11266.8	11115.2	10978.6	10881.6
15°	10632.8	10669.2	10793.6	11036.3	11336.6	11527.7	11521.7	11321.4	11103.0	10951.3
17.5°	10429.6	10466.0	10645.0	10984.7	11409.4	11724.9	11809.9	11603.6	11297.2	11093.9
20°	10062.5	10095.9	10344.6	10820.9	11433.7	11934.2	12155.7	11973.7	11591.4	11315.4
22.5°	9586.2	9637.8	9929.0	10538.8	11376.1	12152.7	12550.1	12425.7	11934.2	11552.0
25°	9076.6	9131.2	9470.9	10192.9	11227.4	12310.4	13017.2	12938.4	12322.5	11846.3
27.5°	8636.7	8694.3	9064.4	9850.1	10996.9	12371.1	13478.3	13517.8	12792.8	12170.9
30°	8290.9	8345.5	8739.8	9574.1	10699.6	12310.4	13881.8	14154.8	13272.1	12453.0
32.5°	7911.7	7981.4	8397.0	9237.4	10347.7	12164.8	14233.7	14843.5	13827.2	12756.3
35°	7432.4	7496.1	7932.9	8776.2	9886.5	11931.2	14528.0	15607.9	14622.0	13217.5
37.5°	6849.9	6910.6	7344.4	8199.9	9428.5	11603.6	14752.5	16469.5	15568.5	13881.8
40°	6264.4	6322.1	6728.6	7556.7	8879.4	11184.9	14831.3	17312.8	16654.5	14794.9
42.5°	5727.5	5779.0	6152.2	6922.7	8263.6	10651.0	14728.2	18047.0	17628.3	15432.0
45°	5233.0	5278.5	5609.2	6328.1	7623.5	10001.8	14418.8	18835.7	18787.2	15887.0
47.5°	4668.7	4714.2	5057.0	5751.7	6983.4	9240.4	13894.0	19612.3	20398.0	16918.5
50°	3980.1	4019.5	4371.4	5087.4	6319.0	8430.4	13165.9	20222.1	22430.5	18480.8
52.5°	3164.1	3206.5	3549.3	4265.3	5530.3	7559.8	12207.3	20619.5	24778.6	20762.1
55°	2354.1	2384.4	2681.7	3324.8	4553.5	6567.8	11006.0	20731.7	27442.1	23880.6
57.5°	1707.9	1726.1	1917.2	2396.6	3452.3	5327.0	9546.8	20440.5	30612.2	27878.9
60°	1383.3	1389.4	1447.0	1659.4	2399.6	3925.5	7784.3	19439.4	34052.3	33033.0
62.5°	1255.9	1255.9	1271.1	1328.7	1623.0	2590.7	5651.6	17364.4	37741.2	39546.2
65°	1167.9	1167.9	1174.0	1201.3	1280.2	1650.3	3567.5	13985.0	40850.6	47175.7
67.5°	1089.1	1092.1	1089.1	1098.2	1143.7	1219.5	2068.9	9659.0	42525.2	55081.3
70°	1007.2	1013.2	998.1	998.1	1034.5	1037.5	1295.4	5296.7	41135.8	61706.7
72.5°	910.1	919.2	894.9	888.8	916.2	904.0	973.8	2542.2	35317.3	63684.7
75°	825.1	837.3	782.7	767.5	767.5	758.4	791.8	1304.5	22922.0	51950.6
77.5°	749.3	773.6	685.6	637.1	624.9	597.6	646.2	797.8	10026.1	24390.3
80°	618.9	652.2	564.3	506.6	485.4	455.0	509.6	558.2	2982.0	5663.8
82.5°	461.1	476.3	400.4	361.0	342.8	321.6	382.2	388.3	970.8	2005.2
85°	294.3	300.3	245.7	212.4	203.3	194.2	242.7	212.4	370.1	1474.3
87.5°	103.1	118.3	94.0	84.9	91.0	75.8	112.2	63.7	103.1	1040.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10666.2
10672.3
10742.0
10814.8
10842.1
10866.4
10927.1
11060.6
11263.8
11482.2
11749.2
12067.7
12304.3
12568.3
13008.1
13602.7
14497.6
15049.8
15371.3
16323.9
17734.5
19842.9
22730.9
26431.9
31209.8
37104.1
44087.5
51747.4
60830.0
65990.2
55566.7
23883.6
5424.1
2266.1
2141.7
1289.3
0.0

OF REPORT)