

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: P533299

Luminaire Tested: **GLAN-SA8D-727-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533299
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-727-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33761 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

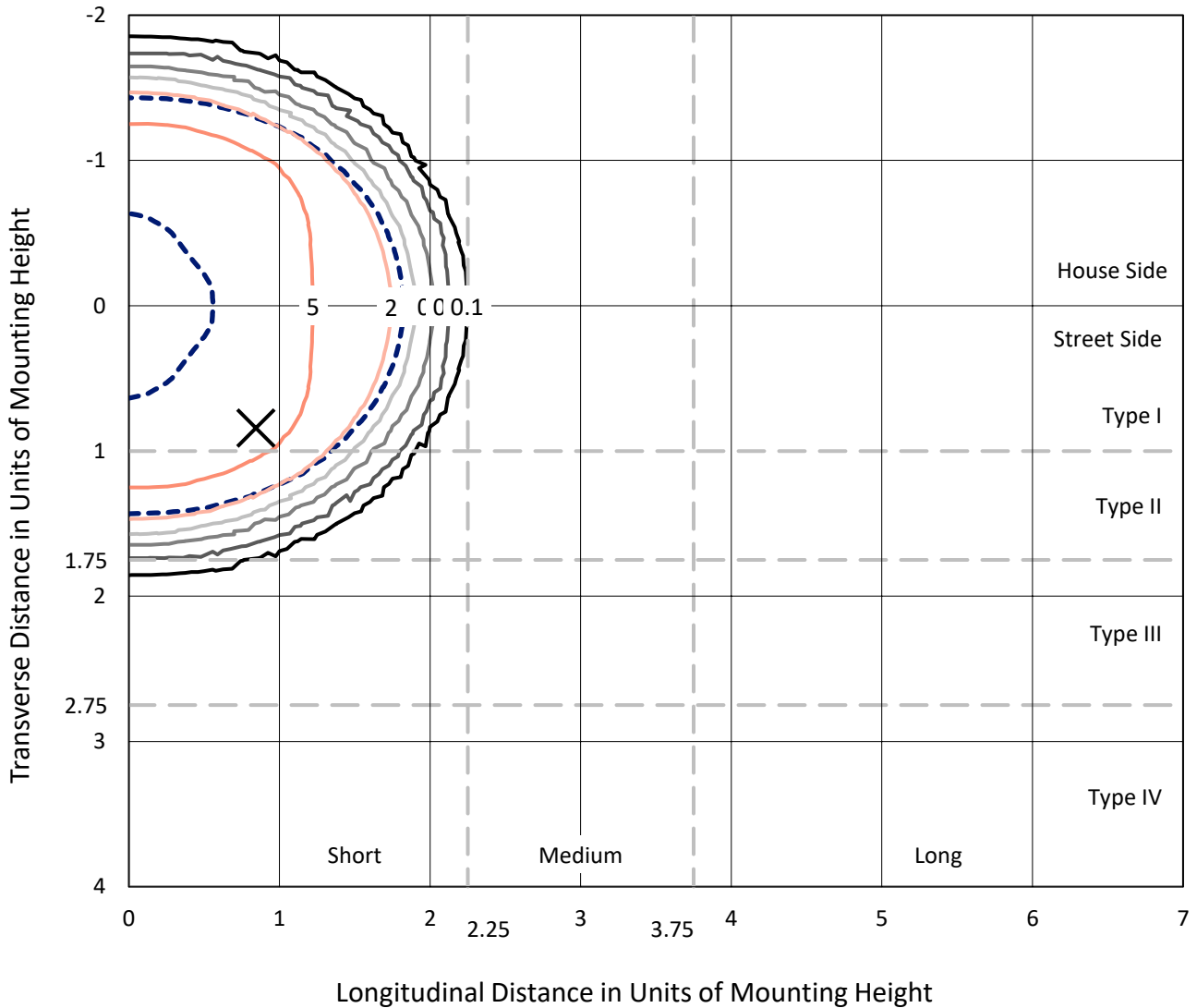
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533299
 CATALOG NUMBER: GLAN-SA8D-727-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

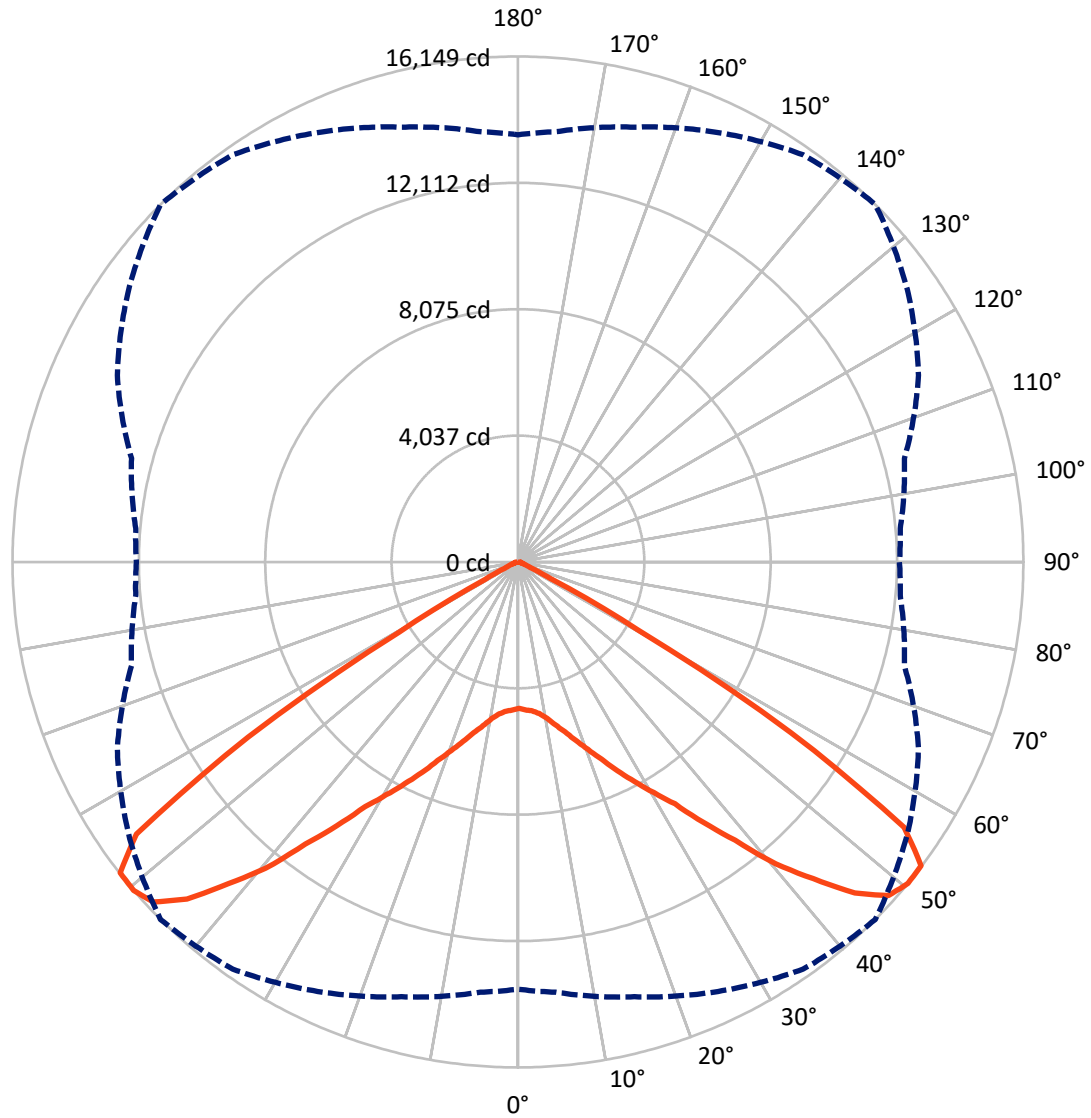
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

REPORT NUMBER: P533299
CATALOG NUMBER: GLAN-SA8D-727-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P533299
 CATALOG NUMBER: GLAN-SA8D-727-U-RW-GRSBK

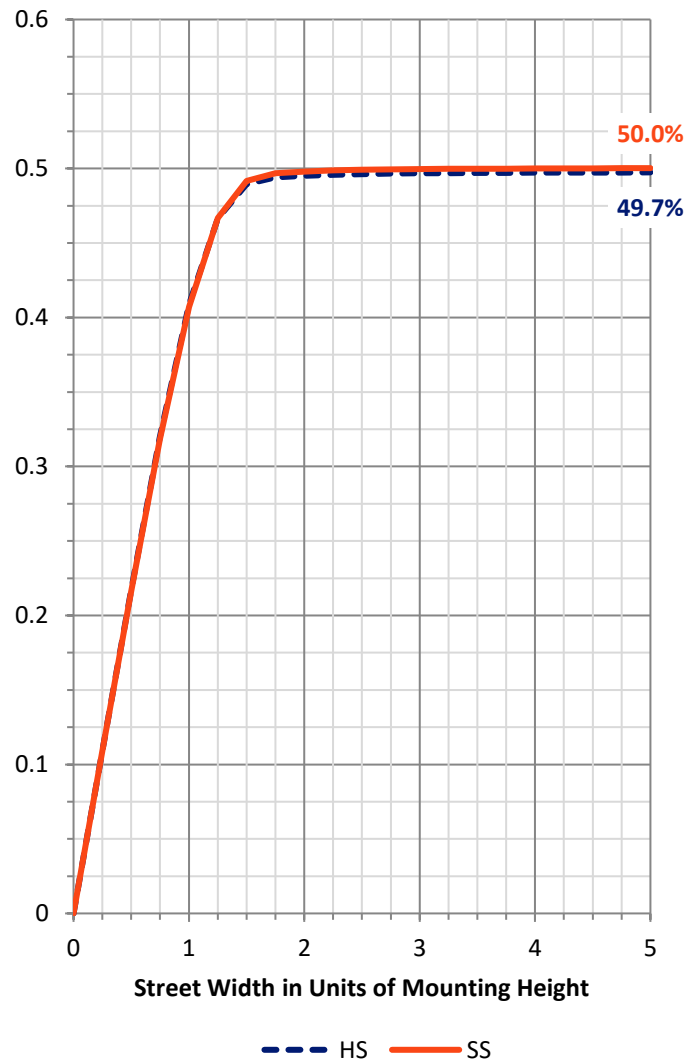
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16880.5	0.0	16880.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16880.5	0.0	16880.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33761.0	0.0	33761.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.6	1.4
10°-20°	1604.9	4.8
20°-30°	3277.8	9.7
30°-40°	6250.8	18.5
40°-50°	10533.5	31.2
50°-60°	10045.6	29.8
60°-70°	1402.3	4.2
70°-80°	134.1	0.4
80°-90°	46.3	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°	33761.0	100.0
0°-180°	33761.0	100.0



REPORT NUMBER: P533299

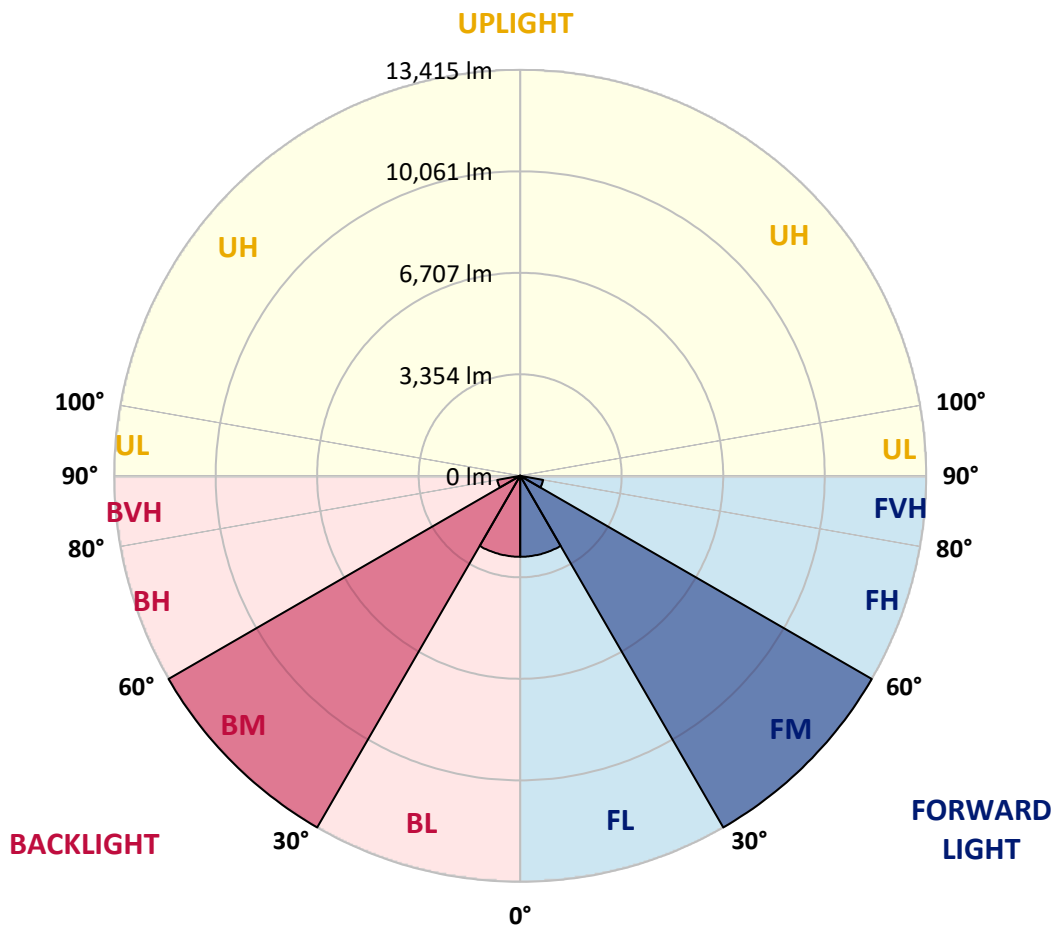
CATALOG NUMBER: GLAN-SA8D-727-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2674.2	7.9			
FM (30°-60°)	13414.9	39.7			
FH (60°-80°)	768.2	2.3			G1/1800
FVH (80°-90°)	23.2	0.1			G1/100
BL (0°-30°)	2674.2	7.9	B4/5000		
BM (30°-60°)	13414.9	39.7	B5		
BH (60°-80°)	768.2	2.3	B2/1000		G1/1800
BVH (80°-90°)	23.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P533299

CATALOG NUMBER: GLAN-SA8D-727-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4680.6	4680.6	4680.6	4680.6	4680.6	4680.6	4680.6	4680.6	4680.6	4680.6	4680.6
2.5°	4663.6	4663.6	4657.9	4703.3	4680.6	4731.7	4726.0	4743.1	4760.1	4754.4	4799.9
5°	4623.8	4618.1	4618.1	4669.2	4720.4	4777.2	4828.3	4862.4	4919.2	4919.2	4976.0
7.5°	4663.6	4635.1	4674.9	4697.6	4794.2	4890.8	4976.0	5044.1	5174.8	5220.2	5203.2
10°	4674.9	4709.0	4737.4	4805.6	4924.8	5072.5	5146.4	5316.8	5464.5	5566.7	5589.4
12.5°	4748.8	4799.9	4879.4	5044.1	5152.1	5345.2	5447.4	5612.2	5816.7	5930.3	6009.8
15°	4890.8	4907.8	5010.1	5220.2	5453.1	5629.2	5788.3	5907.5	6106.4	6237.0	6242.7
17.5°	5072.5	5146.4	5288.4	5487.2	5731.5	5992.7	6117.7	6248.4	6322.2	6498.3	6538.1
20°	5436.1	5447.4	5583.8	5845.1	6151.8	6390.4	6481.3	6549.4	6521.0	6702.8	6736.9
22.5°	5776.9	5788.3	5958.7	6310.8	6640.3	6844.8	6884.6	6844.8	6759.6	6890.2	6901.6
25°	6123.4	6225.6	6350.6	6702.8	7111.8	7384.4	7390.1	7282.2	7106.1	7128.8	7185.6
27.5°	6663.0	6736.9	6867.5	7191.3	7640.0	7946.8	7895.7	7765.0	7537.8	7554.8	7537.8
30°	7293.5	7361.7	7469.6	7884.3	8213.8	8548.9	8622.7	8497.8	8157.0	8083.1	8168.3
32.5°	8054.7	8151.3	8350.1	8730.7	9009.0	9213.5	9264.6	9219.2	8901.1	8872.7	8929.5
35°	8980.6	9111.2	9293.0	9628.2	9855.4	10224.6	10224.6	10071.2	9781.5	9815.6	9809.9
37.5°	9957.6	10150.7	10434.8	10775.6	11082.3	11281.1	11218.7	11088.0	10798.3	10724.5	10798.3
40°	11184.6	11281.1	11639.0	12082.1	12457.0	12684.2	12417.2	12133.2	11440.2	11548.1	11746.9
42.5°	12303.6	12457.0	12729.6	13218.1	13644.2	13831.6	13513.5	12951.2	12116.1	12030.9	12178.6
45°	13257.9	13422.6	13780.5	14479.2	14927.9	15092.6	14388.3	13479.4	12525.1	12309.3	12371.8
47.5°	13894.1	13979.3	14479.2	15143.8	15552.7	15927.6	14916.5	13843.0	12718.3	12309.3	12286.6
50°	13649.8	13797.5	14382.6	15138.1	15882.2	16149.2	15183.5	14121.3	12780.7	12258.2	12190.0
52.5°	12121.8	12377.4	13030.7	14047.5	15172.2	16126.5	15552.7	14030.4	12758.0	12309.3	12411.5
55°	8435.3	8441.0	9236.2	10735.8	12723.9	14973.3	15013.1	14132.7	12905.7	12627.4	12633.1
57.5°	3391.2	3561.6	4169.4	5674.6	7509.4	10281.4	12224.1	13110.2	12922.7	12854.6	13030.7
60°	857.7	863.4	1050.9	1601.9	2641.4	4407.9	6401.7	8662.5	9974.7	10423.4	10485.9
62.5°	437.4	443.1	488.5	568.0	721.4	1181.5	2101.7	3334.4	4743.1	5458.8	5646.2
65°	357.9	357.9	386.3	426.0	431.7	454.4	545.3	778.2	1130.4	1283.8	1300.8
67.5°	272.7	272.7	295.4	318.1	329.5	323.8	312.4	323.8	391.9	374.9	363.5
70°	170.4	176.1	187.5	210.2	221.5	227.2	232.9	244.3	278.3	289.7	278.3
72.5°	102.2	102.2	107.9	125.0	142.0	153.4	170.4	181.8	198.8	227.2	221.5
75°	45.4	45.4	56.8	73.8	90.9	107.9	125.0	142.0	153.4	170.4	176.1
77.5°	11.4	17.0	28.4	51.1	68.2	90.9	113.6	130.6	142.0	142.0	136.3
80°	5.7	5.7	22.7	39.8	73.8	96.6	125.0	136.3	153.4	142.0	125.0
82.5°	5.7	5.7	22.7	39.8	68.2	96.6	130.6	147.7	159.0	142.0	119.3
85°	0.0	5.7	17.0	34.1	56.8	68.2	56.8	39.8	22.7	22.7	17.0
87.5°	0.0	0.0	5.7	5.7	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)