

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: P649289

Luminaire Tested: **GLAN-SA3D-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-835-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15960.7 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

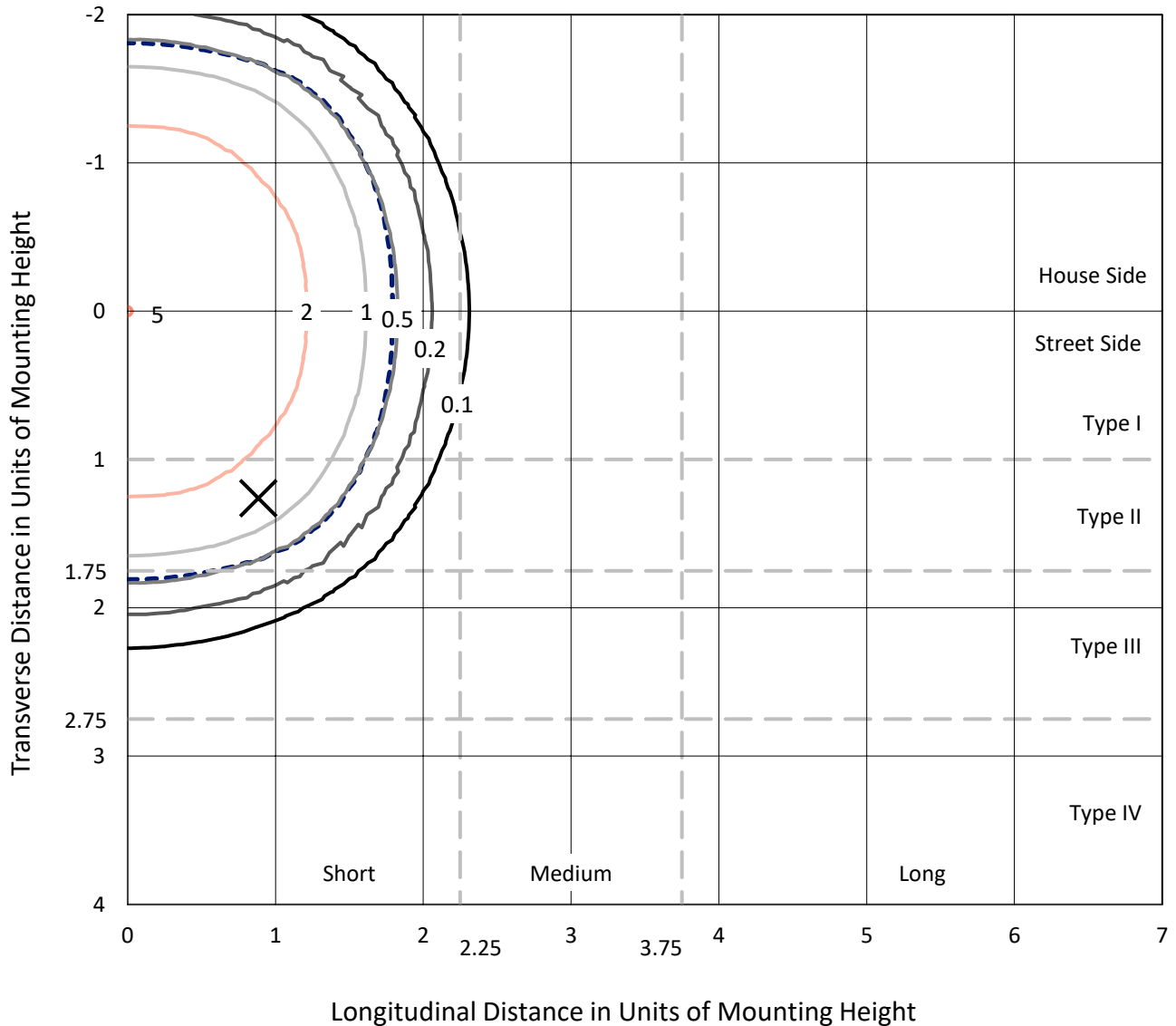
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

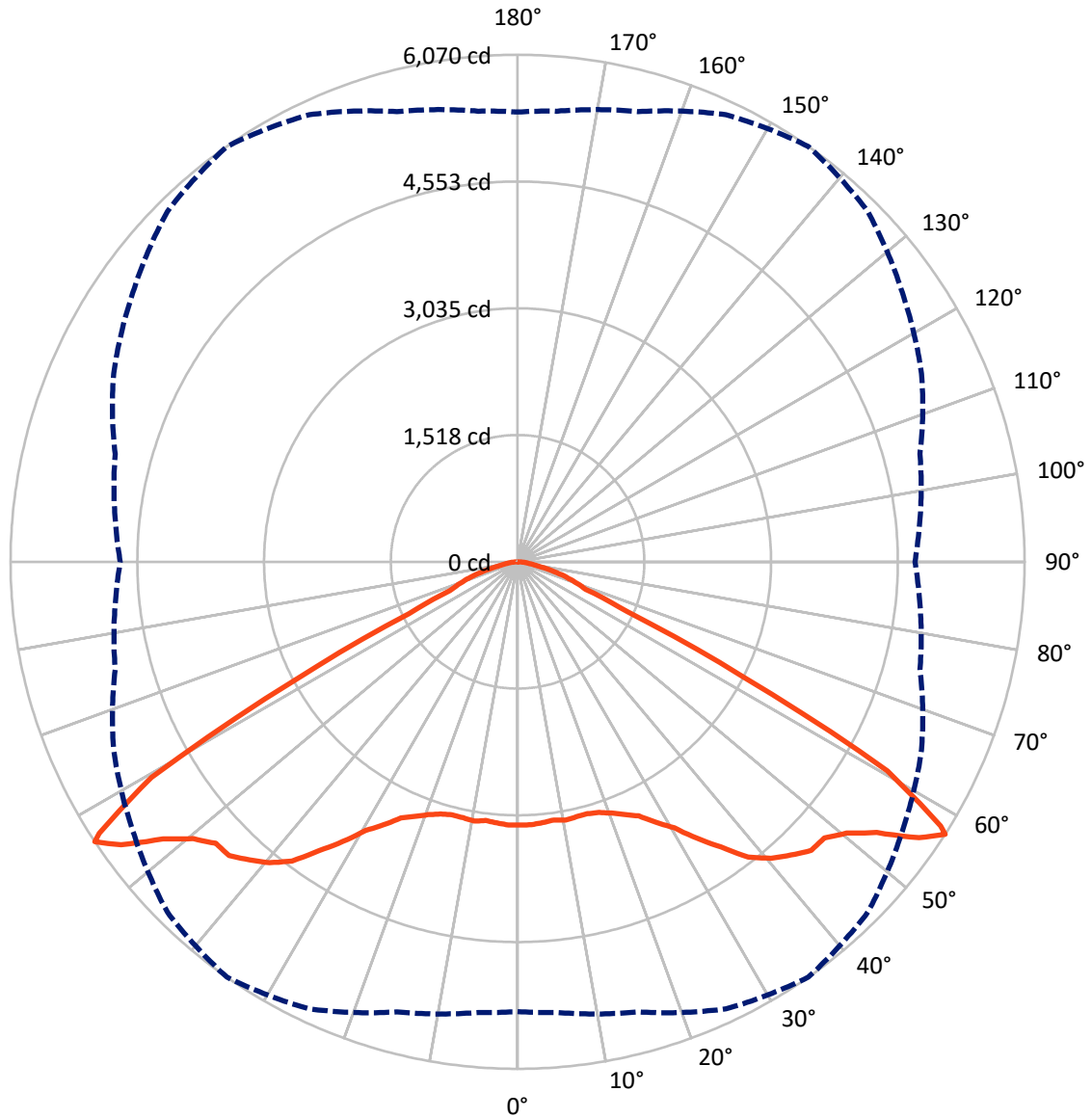
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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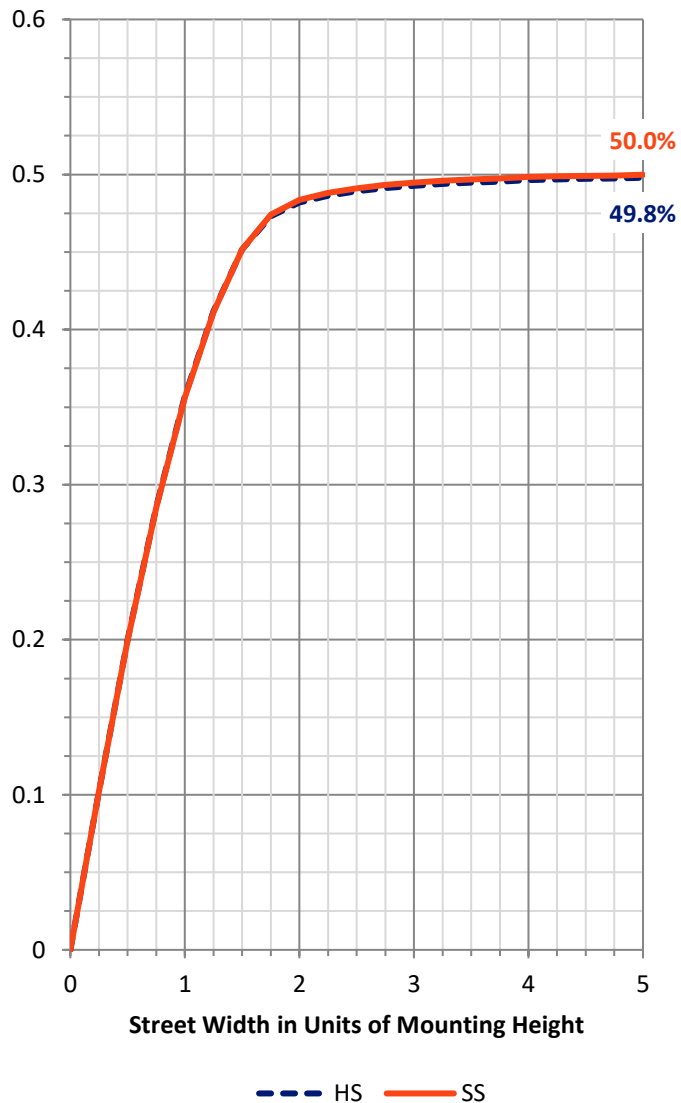
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7980.3	0.0	7980.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7980.3	0.0	7980.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	15960.7	0.0	15960.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.8	1.9
10°-20°	885.1	5.5
20°-30°	1545.7	9.7
30°-40°	2532.7	15.9
40°-50°	3713.6	23.3
50°-60°	4677.6	29.3
60°-70°	1759.2	11.0
70°-80°	467.8	2.9
80°-90°	80.2	0.5
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°	15960.7	100.0
0°-180°	15960.7	100.0

Coefficient of Utilization



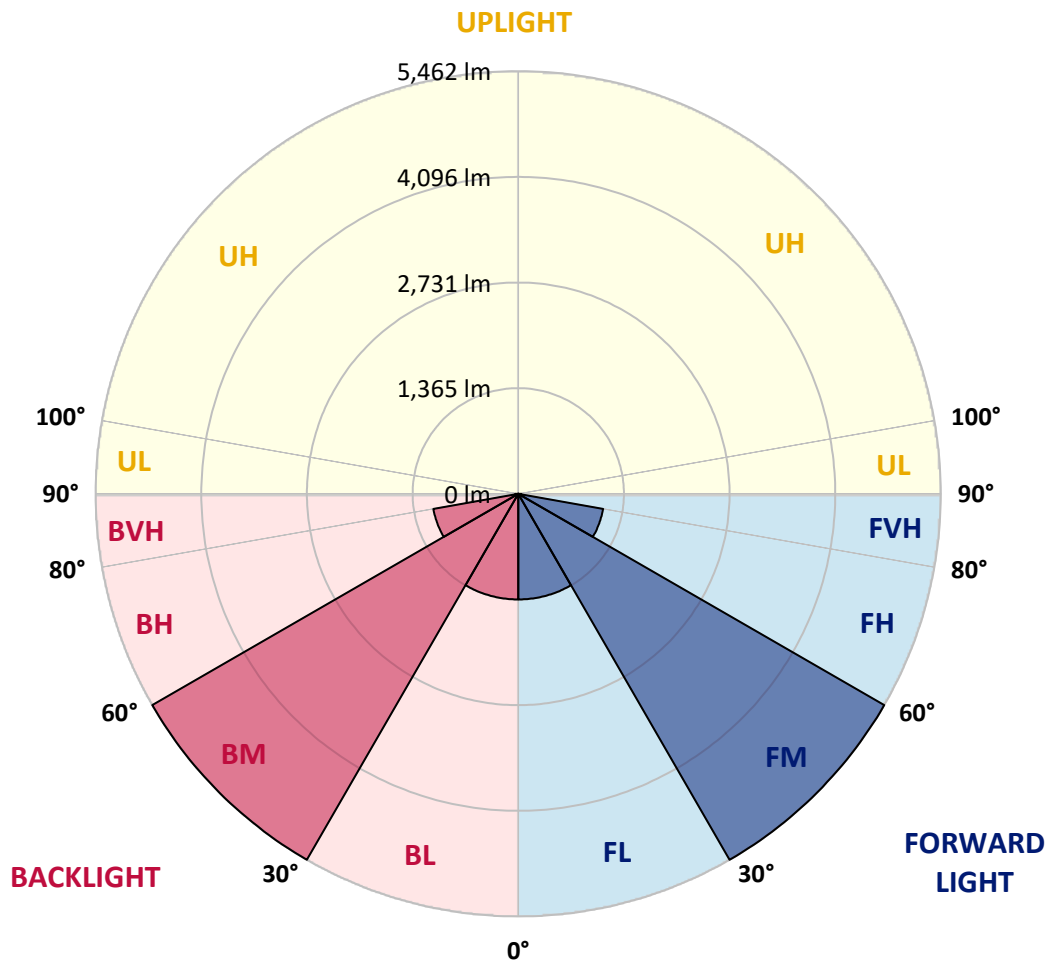
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1364.8	8.6			
FM	(30°-60°)	5461.9	34.2			
FH	(60°-80°)	1113.5	7.0			G1/1800
FVH	(80°-90°)	40.1	0.3			G1/100
BL	(0°-30°)	1364.8	8.6	B3/2500		
BM	(30°-60°)	5461.9	34.2	B4/8500		
BH	(60°-80°)	1113.5	7.0	B3/2500		G1/1800
BVH	(80°-90°)	40.1	0.3			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°	3152.1	3152.1	3152.1	3152.1	3152.1	3152.1	3152.1	3152.1	3152.1	3152.1	3152.1
2.5°	3136.4	3167.9	3154.1	3146.3	3152.1	3142.3	3126.5	3144.2	3140.3	3124.6	3118.7
5°	3128.6	3152.1	3136.4	3152.1	3136.4	3163.9	3156.0	3126.5	3161.9	3128.6	3140.3
7.5°	3122.6	3130.5	3134.4	3126.5	3120.6	3154.1	3136.4	3122.6	3103.0	3097.1	3106.9
10°	3108.8	3128.6	3099.0	3138.3	3146.3	3122.6	3122.6	3097.1	3081.3	3071.5	3104.9
12.5°	3144.2	3110.9	3106.9	3126.5	3132.5	3142.3	3114.8	3101.0	3071.5	3075.4	3069.5
15°	3103.0	3116.7	3118.7	3122.6	3128.6	3152.1	3126.5	3097.1	3085.3	3044.0	3047.9
17.5°	3118.7	3104.9	3118.7	3163.9	3156.0	3173.7	3146.3	3101.0	3073.4	3049.9	3081.3
20°	3146.3	3140.3	3146.3	3201.3	3211.1	3226.8	3203.3	3161.9	3108.8	3081.3	3097.1
22.5°	3175.7	3171.8	3175.7	3228.8	3285.9	3305.5	3281.9	3185.6	3158.0	3106.9	3089.2
25°	3228.8	3232.8	3274.0	3333.0	3370.3	3407.8	3364.5	3295.6	3207.2	3175.7	3138.3
27.5°	3346.8	3356.6	3380.2	3466.7	3531.6	3565.1	3504.1	3409.7	3354.7	3289.8	3279.9
30°	3492.3	3492.3	3533.6	3608.3	3696.8	3747.9	3673.2	3561.2	3494.3	3458.9	3437.2
32.5°	3685.0	3663.3	3679.1	3810.9	3948.5	3991.7	3891.5	3753.9	3647.6	3600.5	3584.7
35°	3850.2	3863.9	3899.3	4040.9	4194.3	4294.6	4137.3	3958.3	3850.2	3806.9	3799.0
37.5°	4064.6	4088.1	4105.8	4300.5	4485.3	4522.7	4371.3	4227.7	4096.0	4060.6	4040.9
40°	4367.3	4351.6	4357.5	4501.1	4668.2	4691.8	4542.3	4440.1	4331.9	4310.3	4310.3
42.5°	4617.0	4599.3	4619.1	4672.2	4799.9	4782.3	4699.6	4624.9	4579.7	4556.1	4579.7
45°	4768.5	4764.6	4799.9	4839.3	4929.7	4870.7	4805.8	4817.6	4774.4	4735.0	4733.1
47.5°	4933.7	4908.1	4951.4	5010.3	4941.5	4914.0	4910.0	4935.6	4921.9	4853.0	4831.4
50°	5014.3	5004.5	5073.3	5142.1	5104.8	5041.8	5055.6	5096.9	4919.9	4827.5	4774.4
52.5°	5230.6	5232.6	5364.3	5401.7	5385.9	5293.5	5323.0	5210.9	5002.5	4872.7	4878.6
55°	5570.7	5557.0	5704.5	5814.6	5832.3	5714.3	5572.8	5415.5	5153.9	5022.2	4982.9
57°	5384.0	5415.5	5578.6	5905.1	6070.2	5930.6	5621.9	5334.8	4986.8	4827.5	4756.6
57.5°	5134.2	5185.3	5468.6	5796.9	5970.0	5958.2	5560.9	5185.3	4874.6	4626.9	4632.8
60°	3761.7	3771.6	4027.1	4548.2	5089.0	5100.8	4617.0	4119.6	3773.5	3504.1	3541.4
62.5°	1984.0	2029.3	2131.6	2550.4	3018.4	3132.5	2839.5	2583.8	2285.0	2080.4	2100.1
65°	1050.1	1044.1	1093.3	1211.3	1441.3	1500.4	1461.0	1258.5	1154.3	1120.9	1122.8
67.5°	853.4	863.3	857.3	863.3	879.0	904.5	898.6	906.5	912.4	922.2	920.3
70°	723.6	723.6	727.6	729.5	729.5	741.3	755.1	780.7	782.6	792.5	796.4
72.5°	570.3	566.3	572.2	586.0	588.0	597.7	617.5	633.2	639.1	639.1	627.3
75°	387.4	391.3	399.2	411.0	422.7	440.4	456.2	466.0	470.0	464.1	458.1
77.5°	218.3	222.2	228.1	245.8	259.6	275.3	293.0	302.8	312.7	314.6	302.8
80°	129.7	129.7	139.6	153.4	169.1	184.9	200.6	212.3	216.3	216.3	210.4
82.5°	78.7	80.6	88.5	102.3	116.0	125.8	139.6	149.5	157.3	155.3	151.4
85°	41.3	41.3	49.2	61.0	70.8	80.6	80.6	74.7	70.8	61.0	57.0
87.5°	13.8	11.8	15.7	15.7	13.8	15.7	15.7	17.7	17.7	17.7	17.7
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)