

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: P528663

Luminaire Tested: **GLAN-SA3D-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12911 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

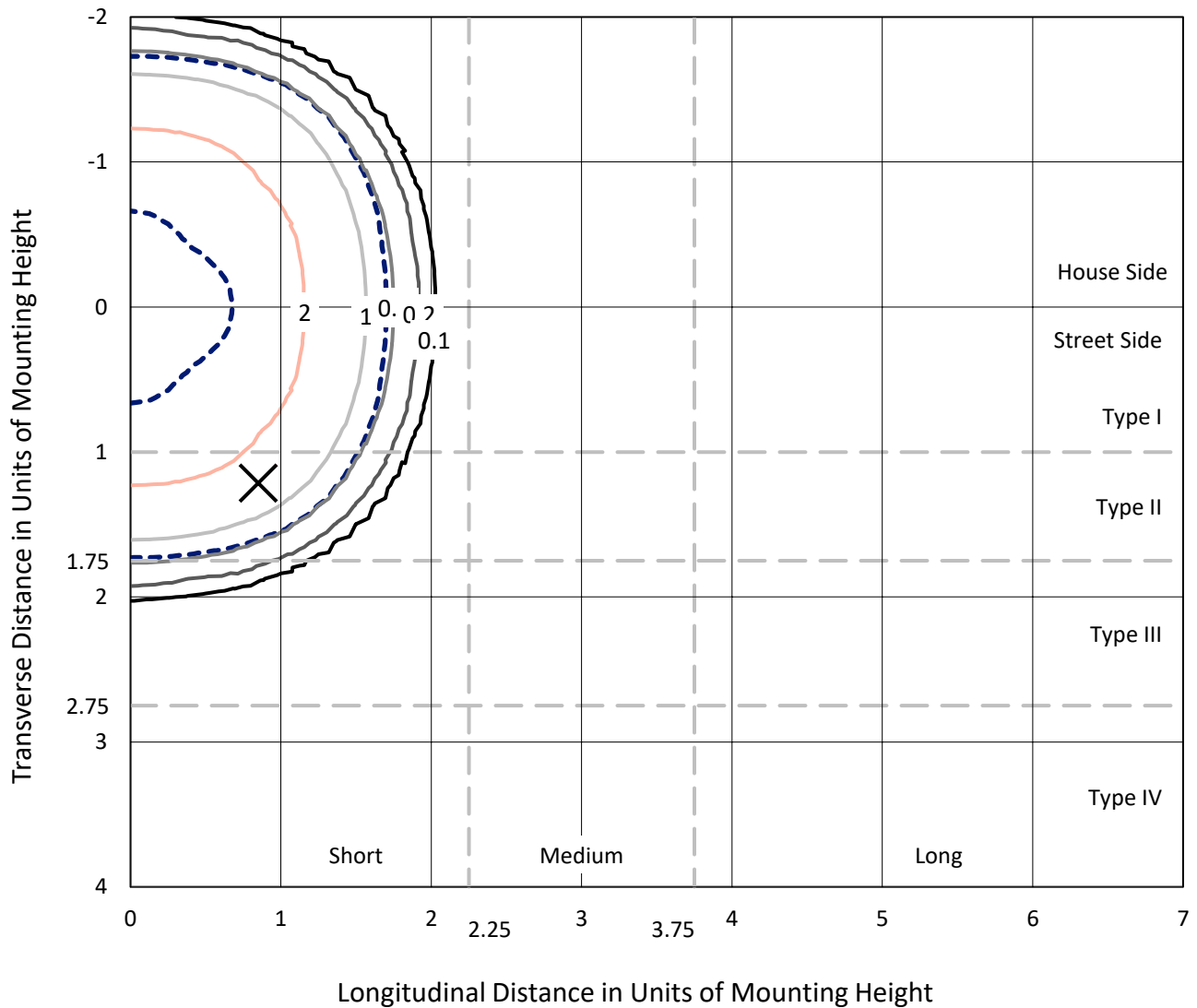
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

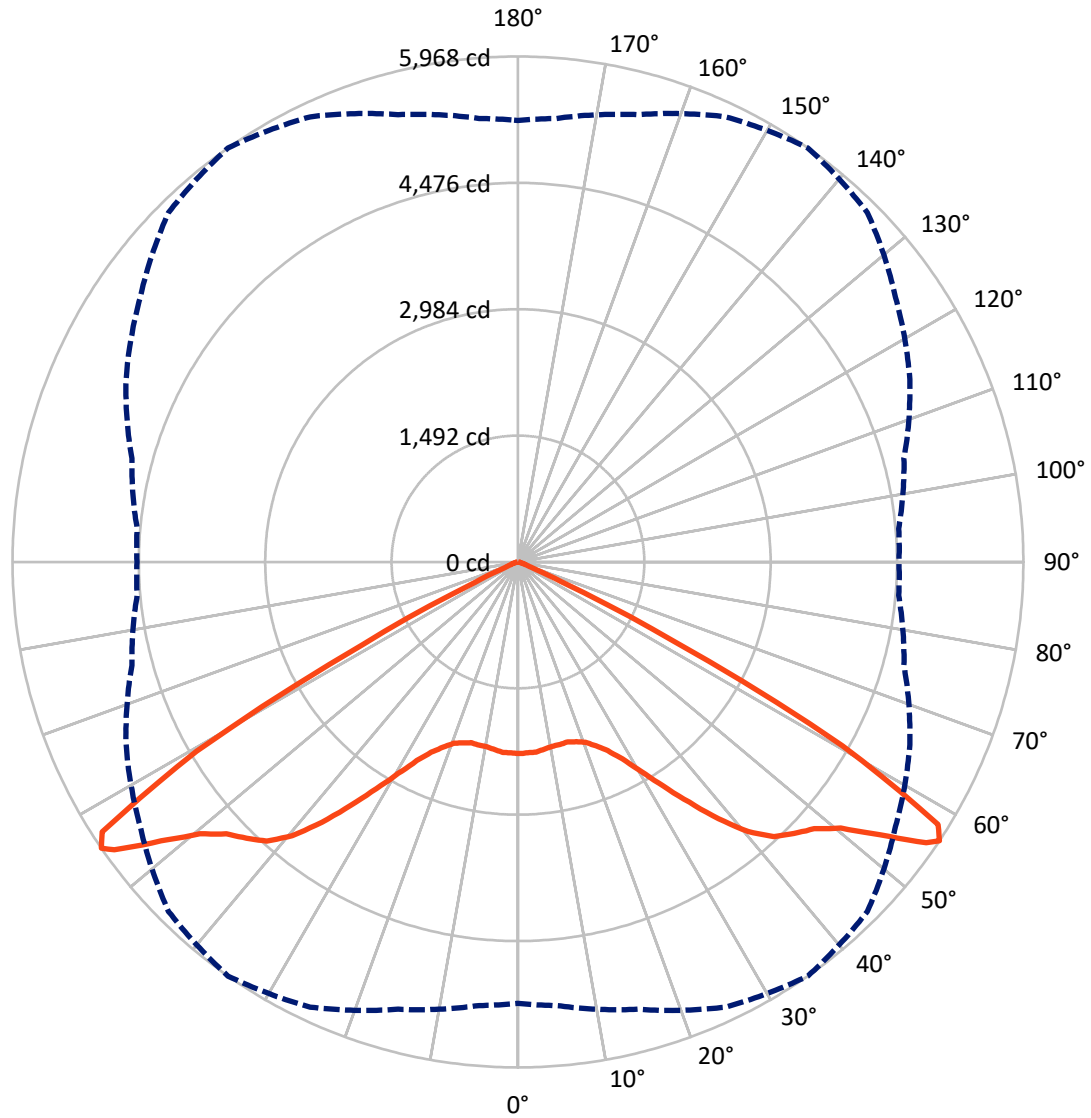
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6455.5	0.0	6455.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6455.5	0.0	6455.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12911.0	0.0	12911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.6	1.6
10°-20°	620.7	4.8
20°-30°	1124.1	8.7
30°-40°	2084.5	16.1
40°-50°	3421.5	26.5
50°-60°	4407.9	34.1
60°-70°	971.4	7.5
70°-80°	56.4	0.4
80°-90°	11.9	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°	12911.0	100.0
0°-180°	12911.0	100.0

Coefficient of Utilization



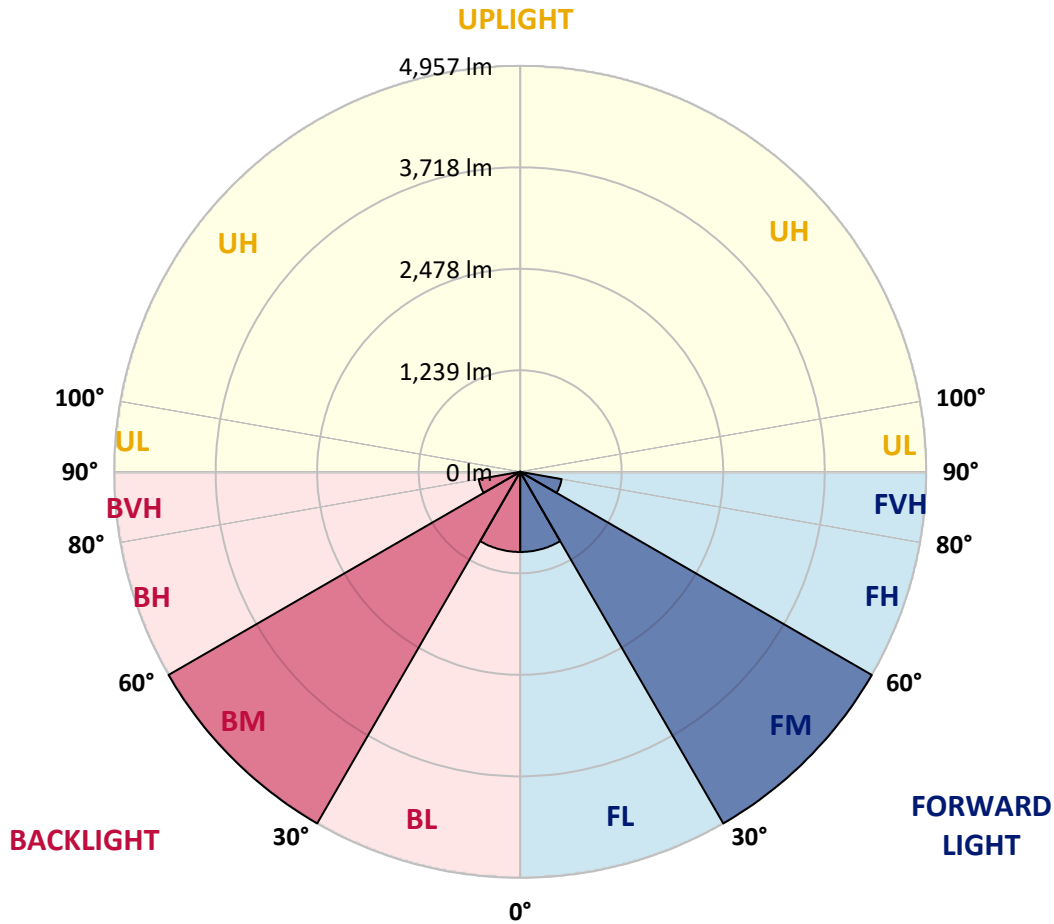
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.7	7.6			
FM (30°-60°)	4956.9	38.4			
FH (60°-80°)	513.9	4.0			G0/660
FVH (80°-90°)	5.9	0.0			G0/10
BL (0°-30°)	978.7	7.6	B2/1000		
BM (30°-60°)	4956.9	38.4	B3/5000		
BH (60°-80°)	513.9	4.0	B2/1000		G0/660
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3	2262.3
2.5°	2267.0	2267.0	2269.3	2271.6	2255.3	2248.2	2250.6	2245.9	2243.6	2250.6	2250.6
5°	2259.9	2259.9	2252.9	2255.3	2255.3	2234.2	2234.2	2238.9	2238.9	2224.9	2220.2
7.5°	2241.2	2236.6	2227.2	2238.9	2231.9	2231.9	2215.5	2203.8	2199.1	2208.5	2199.1
10°	2201.5	2203.8	2213.2	2217.8	2213.2	2227.2	2199.1	2182.7	2166.4	2159.3	2159.3
12.5°	2182.7	2196.8	2182.7	2194.4	2210.8	2199.1	2182.7	2171.0	2147.6	2138.3	2138.3
15°	2180.4	2189.8	2194.4	2210.8	2203.8	2208.5	2175.7	2161.7	2126.6	2110.2	2103.2
17.5°	2178.1	2189.8	2196.8	2227.2	2231.9	2234.2	2208.5	2166.4	2136.0	2119.6	2103.2
20°	2203.8	2208.5	2222.5	2252.9	2271.6	2304.4	2257.6	2213.2	2147.6	2128.9	2121.9
22.5°	2236.6	2259.9	2274.0	2306.7	2355.9	2383.9	2323.1	2267.0	2199.1	2175.7	2147.6
25°	2341.8	2337.1	2360.5	2428.4	2468.2	2489.2	2440.1	2358.2	2269.3	2241.2	2245.9
27.5°	2472.8	2477.5	2498.6	2573.4	2631.9	2664.7	2606.2	2498.6	2412.0	2365.2	2360.5
30°	2643.6	2638.9	2662.3	2762.9	2868.2	2917.3	2814.4	2688.1	2603.9	2543.0	2557.1
32.5°	2823.8	2826.1	2891.6	2982.8	3153.6	3249.5	3083.4	2929.0	2802.7	2760.6	2739.5
35°	3090.5	3102.2	3153.6	3294.0	3483.5	3607.5	3425.0	3240.2	3095.1	3017.9	3027.3
37.5°	3420.3	3408.6	3495.2	3647.3	3846.1	3937.4	3783.0	3572.4	3425.0	3373.5	3406.3
40°	3771.3	3783.0	3827.4	3965.4	4187.7	4248.5	4019.2	3904.6	3775.9	3750.2	3790.0
42.5°	4122.2	4115.2	4147.9	4271.9	4433.3	4391.2	4255.5	4187.7	4096.4	4045.0	4098.8
45°	4379.5	4367.8	4428.7	4512.9	4571.4	4491.8	4431.0	4407.6	4360.8	4304.7	4353.8
47.5°	4629.8	4620.5	4679.0	4702.4	4707.0	4601.8	4613.5	4655.6	4538.6	4421.6	4477.8
50°	4842.7	4826.4	4898.9	4950.4	4938.7	4770.2	4812.3	4770.2	4587.7	4449.7	4428.7
52.5°	5198.3	5205.4	5282.6	5376.1	5348.1	5207.7	5146.9	4955.0	4721.1	4597.1	4524.6
55°	5422.9	5387.8	5521.2	5818.3	5851.1	5706.0	5437.0	5153.9	4803.0	4650.9	4632.2
56°	5212.4	5256.8	5467.4	5799.6	5968.0	5834.7	5444.0	5104.8	4718.7	4512.9	4498.8
57.5°	4676.6	4653.2	4938.7	5392.5	5851.1	5794.9	5252.2	4753.8	4304.7	4073.0	4045.0
60°	2910.3	2978.2	3228.5	3790.0	4402.9	4431.0	3892.9	3464.8	2940.7	2734.9	2784.0
62.5°	1139.3	1080.8	1237.6	1656.4	2077.5	2171.0	1967.5	1635.3	1342.9	1139.3	1125.3
65°	264.4	257.3	290.1	400.1	559.1	648.0	615.3	442.2	325.2	308.8	285.4
67.5°	149.7	149.7	142.7	142.7	156.7	166.1	159.1	156.7	163.8	170.8	168.4
70°	105.3	102.9	98.3	100.6	95.9	95.9	102.9	114.6	124.0	124.0	126.3
72.5°	63.2	63.2	63.2	70.2	70.2	70.2	77.2	86.6	88.9	86.6	84.2
75°	28.1	28.1	32.8	39.8	44.5	46.8	53.8	58.5	63.2	58.5	53.8
77.5°	7.0	7.0	11.7	16.4	21.1	25.7	35.1	42.1	44.5	42.1	35.1
80°	2.3	2.3	4.7	11.7	21.1	25.7	35.1	37.4	39.8	35.1	28.1
82.5°	2.3	2.3	4.7	11.7	16.4	21.1	28.1	32.8	35.1	30.4	28.1
85°	0.0	2.3	4.7	9.4	14.0	18.7	18.7	14.0	11.7	7.0	9.4
87.5°	0.0	0.0	2.3	2.3	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)