

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: P459069

Luminaire Tested: **GLAN-SA5D-735-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P459069  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA5D-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37234 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

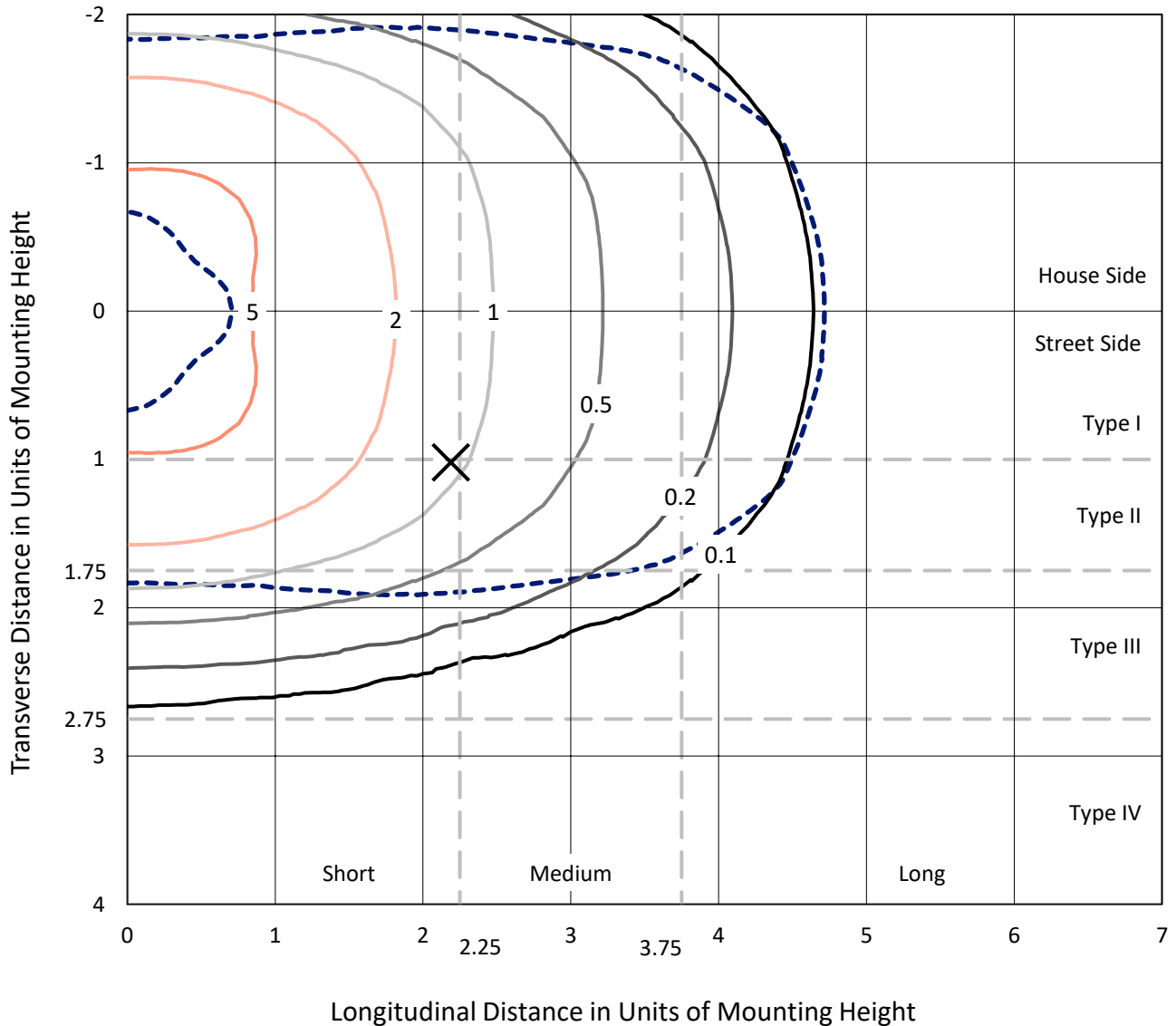
Input Watts (W): 309  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

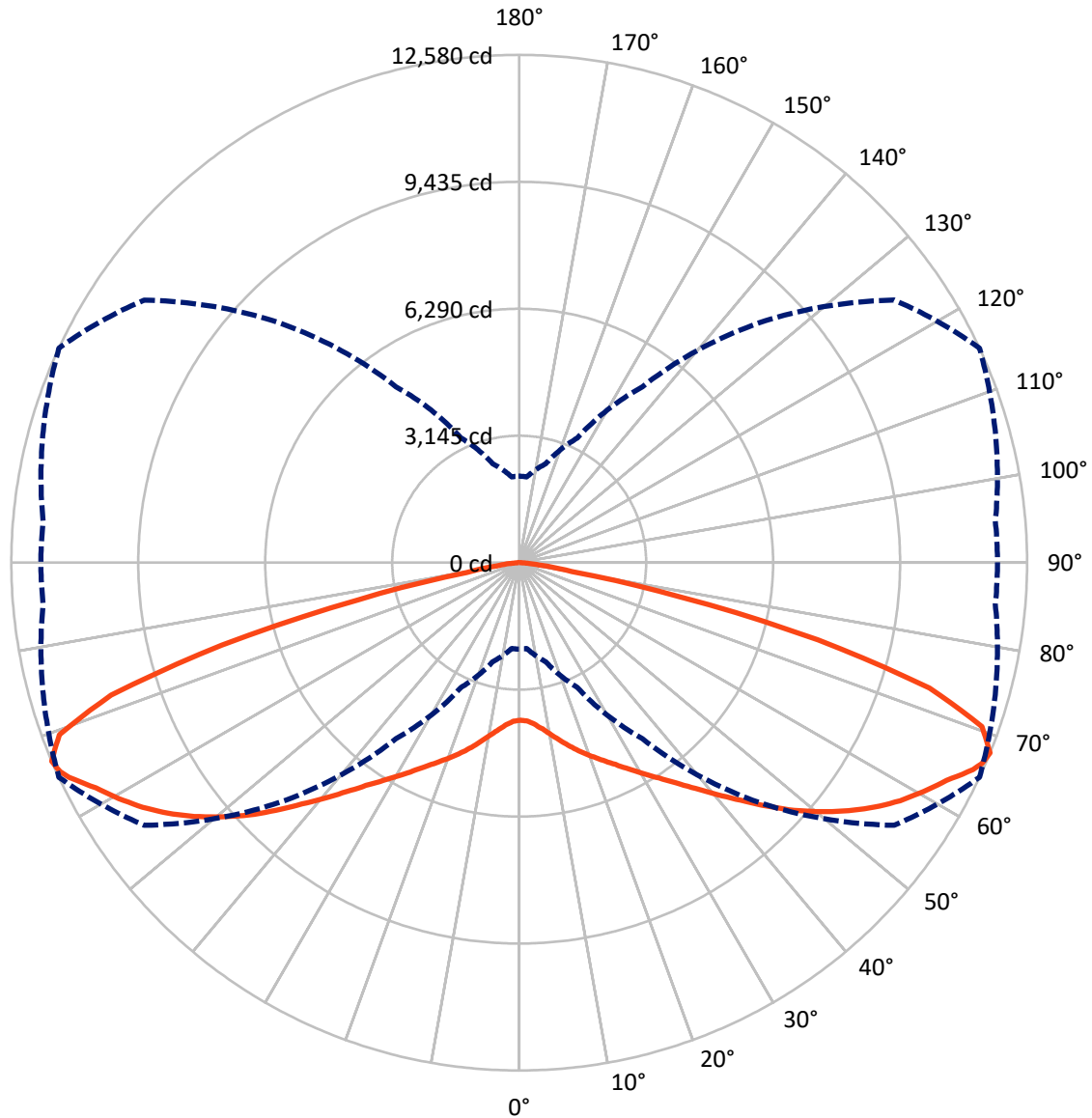
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P459069  
CATALOG NUMBER: GLAN-SA5D-735-U-RW

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GLAN-SA5D-735-U-RW

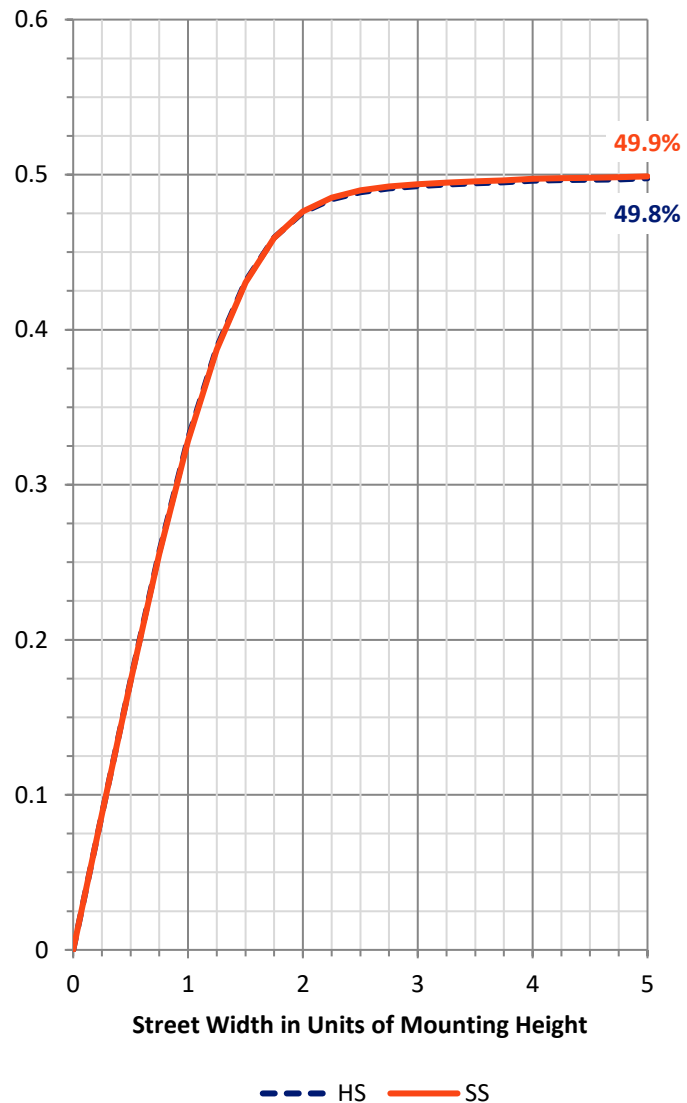
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18617.0	0.0	18617.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18617.0	0.0	18617.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37234.0	0.0	37234.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.6	1.0
10°-20°	1287.4	3.5
20°-30°	2518.2	6.8
30°-40°	4283.0	11.5
40°-50°	6778.8	18.2
50°-60°	8988.5	24.1
60°-70°	8478.9	22.8
70°-80°	4191.6	11.3
80°-90°	323.0	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°	37234.0	100.0
0°-180°	37234.0	100.0



REPORT NUMBER: P459069

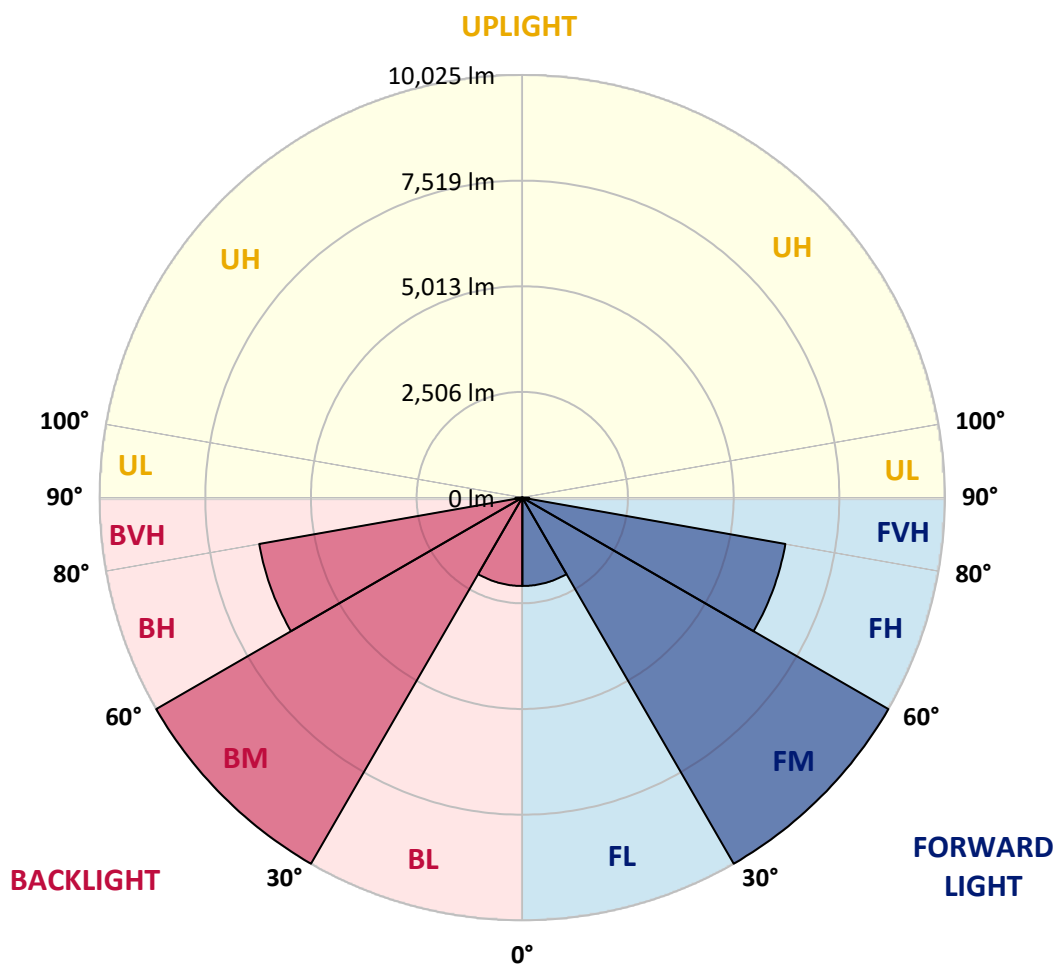
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2095.1	5.6			
FM	(30°-60°)	10025.2	26.9			
FH	(60°-80°)	6335.3	17.0			G3/7500
FVH	(80°-90°)	161.5	0.4			G2/225
BL	(0°-30°)	2095.1	5.6	B3/2500		
BM	(30°-60°)	10025.2	26.9	B5		
BH	(60°-80°)	6335.3	17.0	B5		G5
BVH	(80°-90°)	161.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9	3899.9
2.5°	3880.0	3884.0	3888.0	3893.9	3901.9	3913.9	3921.9	3927.9	3943.8	3945.8	3943.8
5°	3866.0	3870.0	3880.0	3897.9	3923.9	3959.8	3987.7	4021.6	4047.6	4065.5	4061.5
7.5°	3864.0	3872.0	3888.0	3925.9	3975.7	4037.6	4101.4	4159.3	4209.1	4249.0	4243.0
10°	3895.9	3905.9	3931.9	3987.7	4065.5	4155.3	4245.0	4330.8	4402.6	4454.5	4472.5
12.5°	3949.8	3957.8	4005.7	4089.4	4201.2	4312.9	4414.6	4520.3	4620.1	4707.8	4707.8
15°	4043.6	4057.5	4117.4	4239.1	4376.7	4506.4	4610.1	4721.8	4829.5	4929.3	4959.2
17.5°	4173.2	4193.2	4282.9	4438.5	4614.1	4733.8	4831.5	4923.3	5017.0	5112.8	5126.8
20°	4350.8	4370.7	4490.4	4677.9	4885.4	5029.0	5094.8	5116.8	5162.7	5254.4	5266.4
22.5°	4592.1	4612.1	4745.7	4957.2	5188.6	5344.2	5372.1	5320.3	5308.3	5380.1	5388.1
25°	4865.4	4883.4	5037.0	5264.4	5503.8	5673.4	5665.4	5537.7	5465.9	5509.8	5521.7
27.5°	5172.6	5198.6	5354.2	5589.6	5848.9	5998.5	5974.6	5789.1	5635.5	5627.5	5631.5
30°	5565.6	5593.6	5741.2	5966.6	6221.9	6359.6	6309.7	6060.4	5823.0	5743.2	5743.2
32.5°	5980.6	6050.4	6200.0	6435.4	6634.9	6734.6	6658.8	6359.6	6044.4	5932.7	5926.7
35°	6521.2	6559.1	6706.7	6936.1	7085.7	7163.5	7017.9	6696.7	6333.7	6202.0	6184.0
37.5°	7049.8	7081.7	7253.3	7472.7	7654.2	7650.3	7452.8	7097.7	6692.7	6545.1	6533.1
40°	7590.4	7624.3	7819.8	8021.3	8202.8	8186.9	7947.5	7550.5	7119.6	6954.0	6986.0
42.5°	8059.2	8097.1	8318.5	8605.8	8769.4	8765.4	8488.1	8041.2	7592.4	7444.8	7472.7
45°	8486.1	8520.0	8777.3	9106.5	9345.9	9375.8	9072.6	8599.8	8139.0	7949.5	7957.5
47.5°	8787.3	8851.2	9120.5	9497.5	9822.6	9928.4	9631.1	9168.3	8637.7	8440.2	8452.2
50°	9016.7	9056.6	9349.9	9778.8	10189.7	10409.1	10169.7	9695.0	9136.4	8927.0	8954.9
52.5°	9044.7	9092.5	9411.7	9906.4	10433.1	10766.2	10648.5	10209.6	9645.1	9429.7	9489.5
55°	8817.2	8845.2	9226.2	9826.6	10528.8	11031.5	11061.4	10688.4	10129.9	9966.3	10006.2
57.5°	8168.9	8240.7	8723.5	9453.6	10397.2	11173.2	11370.6	11123.3	10620.6	10459.0	10522.8
60°	7105.7	7177.5	7662.2	8587.8	9900.4	11107.3	11626.0	11508.3	11065.4	10935.8	10969.7
62.5°	5567.6	5561.6	6162.1	7297.2	8913.0	10784.2	11815.5	11879.3	11504.3	11340.7	11392.6
65°	3608.7	3626.6	4207.1	5430.0	7422.8	9962.3	11857.4	12352.1	11935.2	11687.8	11725.7
66°	2902.5	2956.4	3449.1	4576.2	6662.8	9423.7	11731.7	12491.8	12066.9	11767.6	11785.6
67.5°	2142.5	2132.5	2537.5	3407.2	5320.3	8400.3	11338.7	12579.5	12216.5	11839.4	11847.4
70°	1222.8	1220.8	1364.5	1871.2	3127.9	5914.7	9557.3	12158.6	12519.7	12098.8	12076.8
72.5°	893.7	887.7	907.7	1033.3	1526.1	2986.3	6593.0	10626.6	12364.1	12056.9	11995.0
75°	750.1	746.1	742.1	758.0	855.8	1352.5	3499.0	7644.3	10728.3	11316.8	11253.0
77.5°	612.4	612.4	614.4	610.4	614.4	712.2	1450.3	4097.4	6533.1	7293.2	7470.7
80°	478.8	476.8	510.7	496.7	464.8	456.8	642.3	1318.6	2168.4	2156.4	1779.4
82.5°	353.1	329.2	389.0	379.0	343.1	291.2	375.0	562.5	724.1	470.8	349.1
85°	223.4	221.4	275.3	251.4	209.5	137.6	179.5	241.4	299.2	181.5	147.6
87.5°	39.9	37.9	87.8	63.8	63.8	39.9	49.9	65.8	97.7	67.8	49.9
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)