

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: P649523

Luminaire Tested: **GLAN-SA7D-835-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649523
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-SA7D-835-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 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: 43528.5 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 433
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

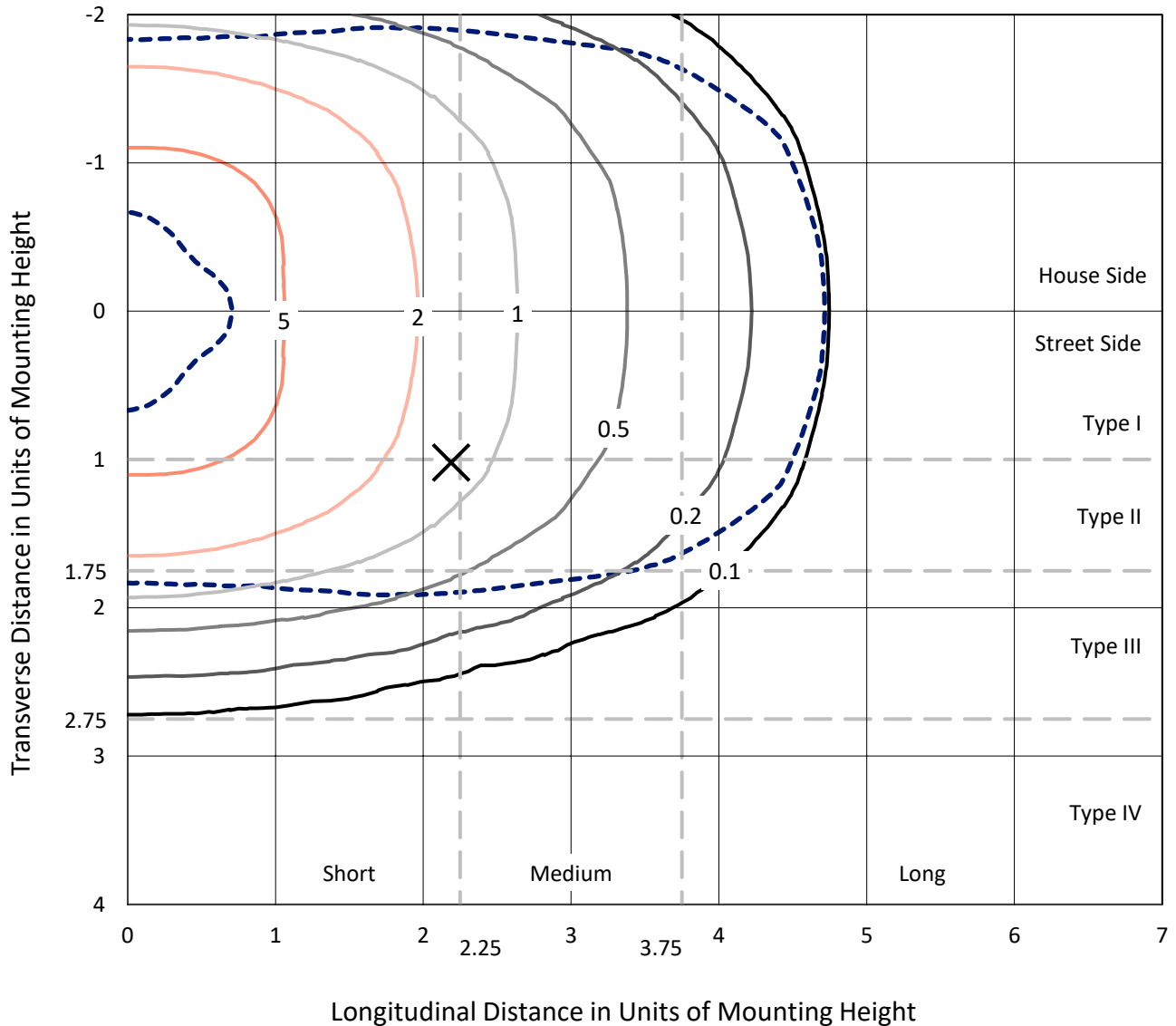




REPORT NUMBER: P649523
 CATALOG NUMBER: GLAN-SA7D-835-U-RW

Iso-Footcandle Lines of Horizontal Illumination

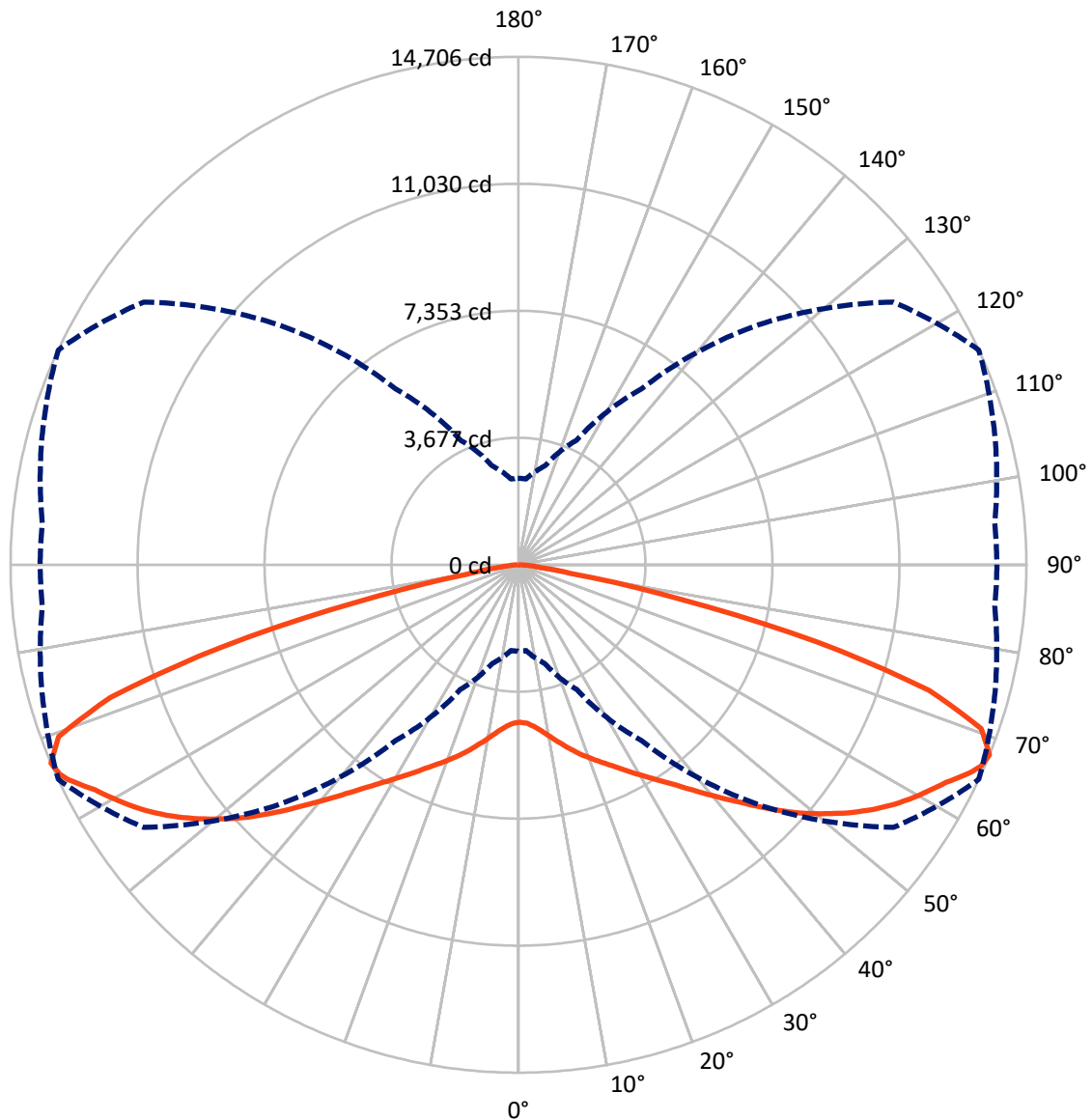
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

REPORT NUMBER: P649523
CATALOG NUMBER: GLAN-SA7D-835-U-RW

Luminous Intensity Polar Plot



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

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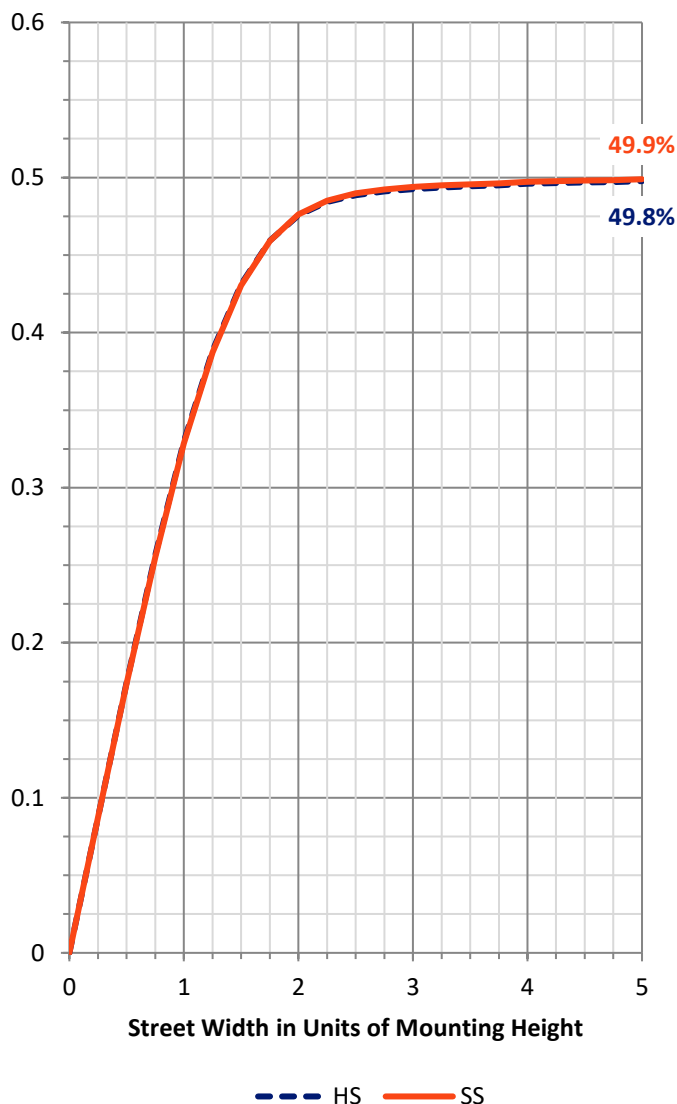
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21764.3	0.0	21764.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21764.3	0.0	21764.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	43528.5	0.0	43528.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.7	1.0
10°-20°	1505.0	3.5
20°-30°	2943.8	6.8
30°-40°	5007.1	11.5
40°-50°	7924.7	18.2
50°-60°	10508.0	24.1
60°-70°	9912.3	22.8
70°-80°	4900.2	11.3
80°-90°	377.6	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°	43528.5	100.0
0°-180°	43528.5	100.0

Coefficient of Utilization



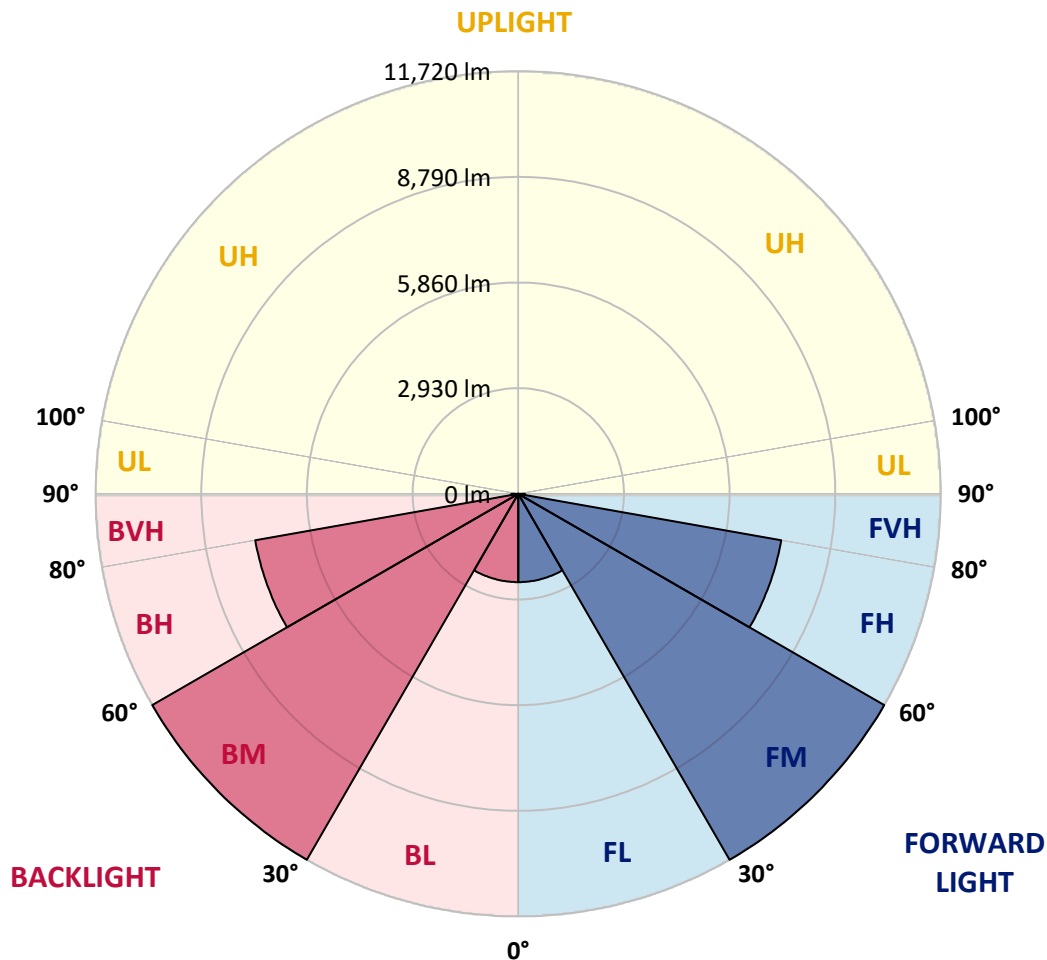
REPORT NUMBER: P649523
 CATALOG NUMBER: GLAN-SA7D-835-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2449.2	5.6			
FM (30°-60°)	11720.0	26.9			
FH (60°-80°)	7406.2	17.0			G3/7500
FVH (80°-90°)	188.8	0.4			G2/225
BL (0°-30°)	2449.2	5.6	B3/2500		
BM (30°-60°)	11720.0	26.9	B5		
BH (60°-80°)	7406.2	17.0	B5		G5
BVH (80°-90°)	188.8	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°	4559.3	4559.3	4559.3	4559.3	4559.3	4559.3	4559.3	4559.3	4559.3	4559.3	4559.3
2.5°	4535.9	4540.5	4545.2	4552.2	4561.5	4575.5	4584.9	4591.9	4610.5	4612.9	4610.5
5°	4519.6	4524.3	4535.9	4556.9	4587.2	4629.2	4661.8	4701.5	4731.8	4752.8	4748.1
7.5°	4517.3	4526.6	4545.2	4589.6	4647.9	4720.2	4794.8	4862.4	4920.7	4967.4	4960.4
10°	4554.6	4566.2	4596.5	4661.8	4752.8	4857.7	4962.7	5063.0	5146.9	5207.6	5228.6
12.5°	4617.5	4626.8	4682.8	4780.8	4911.4	5042.0	5160.9	5284.5	5401.1	5503.7	5503.7
15°	4727.1	4743.5	4813.4	4955.7	5116.6	5268.2	5389.5	5520.1	5646.0	5762.6	5797.6
17.5°	4878.7	4902.0	5007.0	5188.9	5394.1	5534.0	5648.3	5755.6	5865.2	5977.1	5993.5
20°	5086.3	5109.6	5249.5	5468.7	5711.3	5879.2	5956.1	5981.8	6035.4	6142.7	6156.7
22.5°	5368.5	5391.8	5548.0	5795.2	6065.7	6247.6	6280.3	6219.7	6205.7	6289.6	6299.0
25°	5687.9	5708.9	5888.6	6154.4	6434.2	6632.5	6623.2	6473.8	6389.9	6441.2	6455.2
27.5°	6047.1	6077.4	6259.3	6534.5	6837.7	7012.5	6984.6	6767.7	6588.2	6578.8	6583.5
30°	6506.5	6539.1	6711.7	6975.3	7273.8	7434.7	7376.4	7084.9	6807.3	6714.1	6714.1
32.5°	6991.6	7073.2	7248.2	7523.3	7756.6	7873.1	7784.5	7434.7	7066.3	6935.7	6928.6
35°	7623.6	7667.9	7840.5	8108.7	8283.6	8374.5	8204.3	7828.8	7404.4	7250.4	7229.4
37.5°	8241.6	8278.9	8479.5	8736.0	8948.2	8943.6	8712.7	8297.5	7824.1	7651.6	7637.6
40°	8873.6	8913.2	9141.8	9377.3	9589.6	9570.9	9291.0	8826.9	8323.2	8129.7	8167.0
42.5°	9421.6	9465.9	9724.8	10060.6	10251.8	10247.2	9923.0	9400.6	8875.9	8703.4	8736.0
45°	9920.7	9960.3	10261.2	10646.0	10925.8	10960.8	10606.4	10053.6	9514.9	9293.3	9302.7
47.5°	10272.9	10347.5	10662.3	11103.1	11483.2	11606.8	11259.3	10718.3	10098.0	9867.1	9881.1
50°	10541.1	10587.6	10930.5	11431.9	11912.3	12168.8	11889.0	11333.9	10681.0	10436.1	10468.7
52.5°	10573.7	10629.6	11002.8	11581.1	12196.8	12586.3	12448.7	11935.7	11275.7	11023.8	11093.7
55°	10307.8	10340.5	10785.9	11487.9	12308.8	12896.5	12931.4	12495.3	11842.3	11651.1	11697.8
57.5°	9549.9	9633.9	10198.2	11051.7	12154.8	13062.0	13292.9	13003.8	12416.0	12227.2	12301.8
60°	8306.9	8390.9	8957.5	10039.6	11574.1	12985.0	13591.4	13453.8	12936.1	12784.5	12824.1
62.5°	6508.8	6501.9	7203.8	8530.8	10419.8	12607.2	13813.0	13887.6	13449.1	13257.9	13318.5
65°	4218.7	4239.7	4918.3	6347.9	8677.7	11646.4	13861.9	14440.3	13952.9	13663.7	13708.0
66°	3393.2	3456.2	4032.2	5349.8	7789.2	11016.8	13715.0	14603.5	14106.8	13757.0	13778.0
67.5°	2504.7	2493.0	2966.4	3983.2	6219.7	9820.4	13255.6	14706.1	14281.7	13840.9	13850.3
70°	1429.6	1427.3	1595.1	2187.5	3656.7	6914.7	11173.0	14214.0	14636.1	14144.1	14118.4
72.5°	1044.8	1037.8	1061.1	1208.0	1784.1	3491.2	7707.5	12423.0	14454.3	14095.1	14022.8
75°	876.9	872.2	867.6	886.2	1000.4	1581.2	4090.5	8936.5	12541.9	13230.0	13155.3
77.5°	716.0	716.0	718.2	713.6	718.2	832.6	1695.4	4790.1	7637.6	8526.1	8733.7
80°	559.7	557.3	597.0	580.7	543.4	534.1	750.9	1541.5	2535.0	2521.0	2080.2
82.5°	412.8	384.8	454.8	443.1	401.1	340.4	438.4	657.6	846.6	550.4	408.1
85°	261.2	258.9	321.8	293.9	244.8	160.9	209.9	282.2	349.8	212.2	172.6
87.5°	46.7	44.3	102.6	74.6	74.6	46.7	58.3	77.0	114.2	79.3	58.3
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)