

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: P648992

Luminaire Tested: **GLAN-SA6C-835-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-835-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32585.4 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

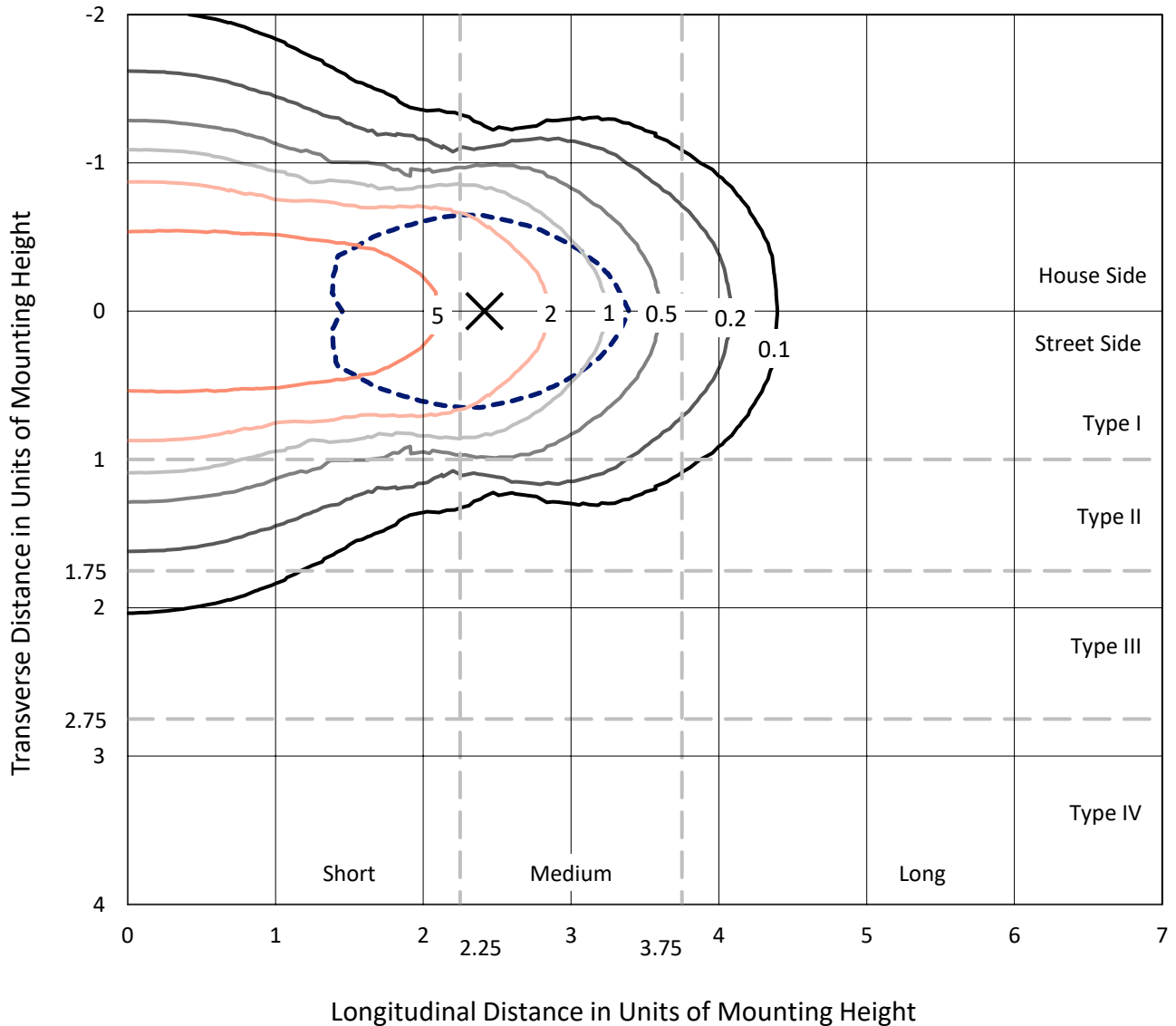
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648992
 CATALOG NUMBER: GLAN-SA6C-835-U-T1

Iso-Footcandle Lines of Horizontal Illumination

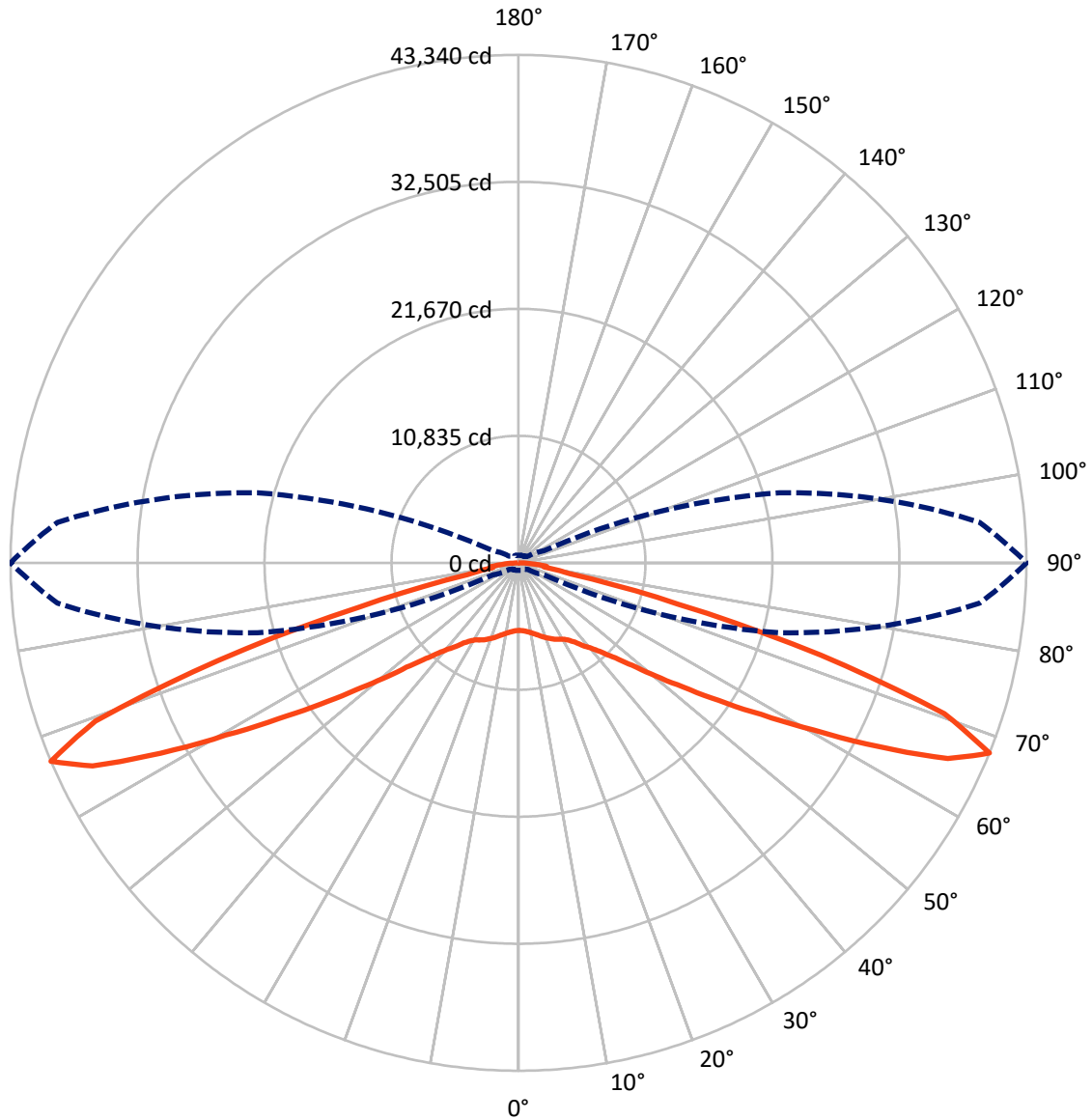
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type I - Short - N/A

REPORT NUMBER: P648992
CATALOG NUMBER: GLAN-SA6C-835-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P648992
 CATALOG NUMBER: GLAN-SA6C-835-U-T1

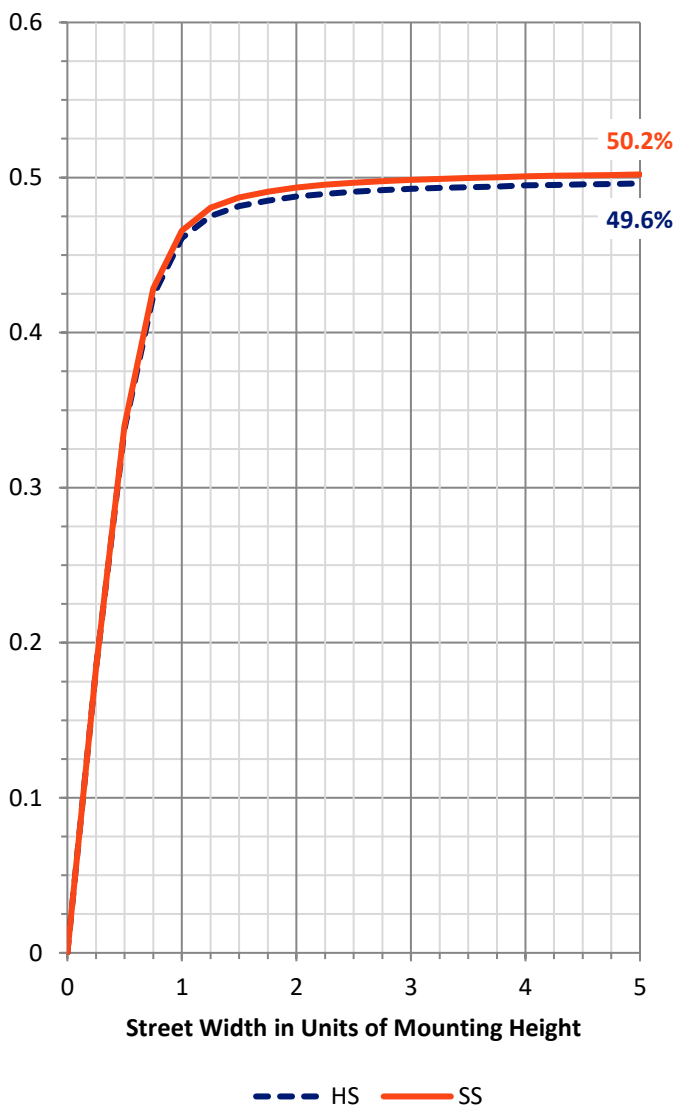
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16292.7	0.0	16292.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16292.7	0.0	16292.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	32585.4	0.0	32585.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.1	1.8
10°-20°	1840.1	5.6
20°-30°	3079.9	9.5
30°-40°	4172.4	12.8
40°-50°	5285.1	16.2
50°-60°	6602.4	20.3
60°-70°	7760.8	23.8
70°-80°	2968.9	9.1
80°-90°	300.8	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°	32585.4	100.0
0°-180°	32585.4	100.0

Coefficient of Utilization



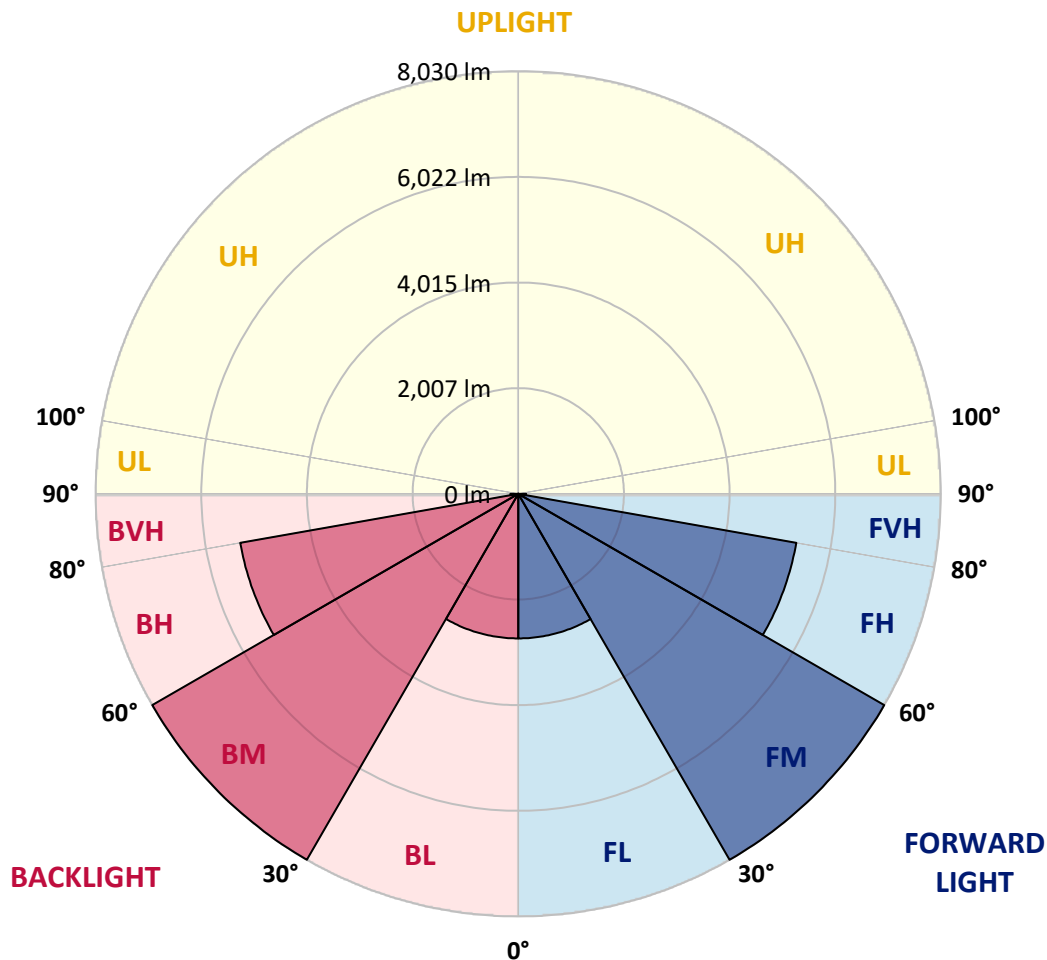
REPORT NUMBER: P648992
 CATALOG NUMBER: GLAN-SA6C-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2747.6	8.4			
FM (30°-60°)	8029.9	24.6			
FH (60°-80°)	5364.8	16.5			G3/7500
FVH (80°-90°)	150.4	0.5			G2/225
BL (0°-30°)	2747.6	8.4	B4/5000		
BM (30°-60°)	8029.9	24.6	B4/8500		
BH (60°-80°)	5364.8	16.5	B5		G5
BVH (80°-90°)	150.4	0.5			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 I Short





REPORT NUMBER: P648992
 CATALOG NUMBER: GLAN-SA6C-835-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5768.6	5768.6	5768.6	5768.6	5768.6	5768.6	5768.6	5768.6	5768.6	5768.6	5768.6
2.5°	5842.6	5839.0	5840.8	5839.0	5844.4	5840.8	5819.2	5801.1	5786.7	5788.5	5783.1
5°	5967.1	5968.9	5970.7	5961.7	5974.3	5967.1	5932.8	5904.0	5875.1	5864.3	5860.7
7.5°	6070.0	6079.0	6084.4	6093.4	6115.1	6115.1	6097.0	6055.5	5992.4	5956.3	5954.5
10°	6172.8	6180.0	6196.3	6225.2	6261.2	6295.5	6288.3	6232.4	6151.2	6089.8	6075.4
12.5°	6208.9	6217.9	6272.1	6355.1	6436.3	6503.0	6503.0	6457.9	6353.3	6259.4	6232.4
15°	6082.6	6098.8	6196.3	6373.1	6586.0	6732.2	6764.7	6701.5	6589.6	6445.3	6412.8
17.5°	5831.8	5871.5	6014.0	6275.7	6629.3	6932.4	7026.3	6995.6	6851.2	6667.2	6629.3
20°	5562.9	5606.2	5757.8	6104.3	6593.3	7049.7	7322.2	7329.4	7150.7	6883.7	6827.8
22.5°	5267.0	5299.5	5494.4	5900.4	6485.0	7076.8	7576.6	7701.1	7459.3	7100.2	7020.8
25°	4935.0	4971.1	5175.0	5613.4	6281.1	7046.1	7809.4	8083.6	7782.3	7331.2	7230.1
27.5°	4617.4	4631.8	4850.2	5295.9	6012.2	6966.7	7980.8	8435.5	8139.6	7522.5	7394.3
30°	4312.5	4346.7	4539.8	4980.1	5703.7	6811.6	8128.7	8836.1	8523.9	7722.7	7558.5
32.5°	3989.5	4031.0	4240.3	4686.0	5395.1	6578.8	8219.0	9274.6	9059.8	8047.5	7872.5
35°	3679.2	3706.2	3917.3	4350.3	5093.8	6308.2	8235.2	9768.9	9750.9	8540.2	8307.4
37.5°	3361.6	3401.3	3614.2	4029.2	4774.4	6021.3	8154.0	10294.0	10584.5	9224.1	8973.2
40°	3056.6	3090.9	3300.2	3718.9	4411.7	5671.2	7960.9	10774.0	11557.1	9927.7	9572.3
42.5°	2724.6	2733.6	2962.8	3388.7	4056.3	5265.2	7683.0	11201.6	12641.5	10871.4	10429.3
45°	2347.5	2370.9	2583.9	3002.5	3648.5	4810.5	7305.9	11555.3	14016.5	12179.6	11577.0
47.5°	1970.4	1990.2	2185.1	2598.3	3202.8	4289.0	6725.0	11865.7	15427.5	13841.4	13051.1
50°	1602.3	1613.1	1771.9	2138.2	2701.2	3740.5	6005.0	11964.9	17022.6	16194.3	15185.7
52.5°	1266.7	1282.9	1403.8	1690.7	2165.2	3092.7	5227.3	11719.5	18884.7	18983.9	17562.1
55°	1026.7	1032.1	1122.4	1333.4	1692.5	2414.3	4289.0	11035.6	20887.5	22558.4	20745.0
57.5°	884.2	887.8	938.3	1055.6	1302.8	1820.6	3327.3	9741.9	22686.6	26746.4	24415.1
60°	803.0	804.8	833.7	902.2	1032.1	1396.6	2383.6	7915.8	24462.0	31407.1	28976.6
62.5°	752.5	752.5	772.3	810.2	873.4	1071.8	1726.8	5710.9	25678.2	36136.4	34599.0
65°	703.7	703.7	718.2	745.2	779.5	877.0	1275.7	3724.3	25647.6	39581.0	40254.0
67.5°	647.8	647.8	658.6	685.7	705.5	754.3	985.2	2439.5	23038.4	39505.2	43339.5
70°	581.0	581.0	595.5	618.9	635.2	665.8	777.7	1669.0	16925.1	33731.2	38543.5
72.5°	514.3	516.1	525.1	548.6	561.2	579.2	646.0	1169.3	10382.4	22968.0	26950.3
75°	440.3	443.9	452.9	476.4	487.2	494.4	544.9	833.7	5252.6	12383.5	14099.5
77.5°	355.5	362.7	368.1	393.4	400.6	411.4	449.3	602.7	2306.0	4449.6	4489.3
80°	259.8	268.9	285.1	308.6	314.0	321.2	342.8	427.7	1044.8	2031.7	2206.7
82.5°	191.3	203.9	184.1	214.7	214.7	205.7	241.8	286.9	480.0	2011.9	2407.0
85°	104.7	106.5	95.6	110.1	117.3	115.5	128.1	140.7	232.8	1342.5	1384.0
87.5°	25.3	27.1	28.9	34.3	41.5	41.5	45.1	39.7	75.8	434.9	249.0
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)