

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: P455063

Luminaire Tested: **GLAN-SA6B-727-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29450 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

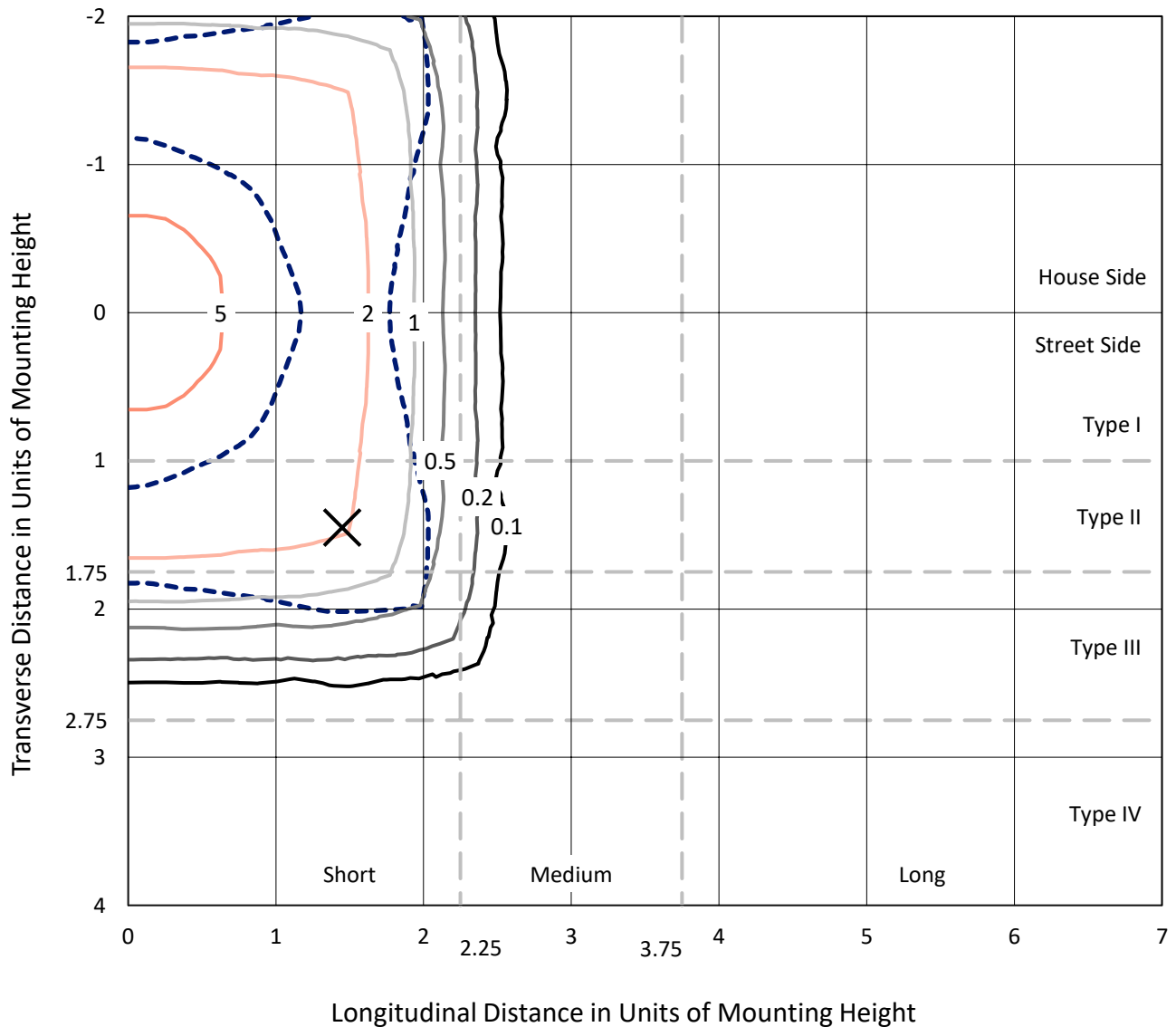
Input Watts (W): 243
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

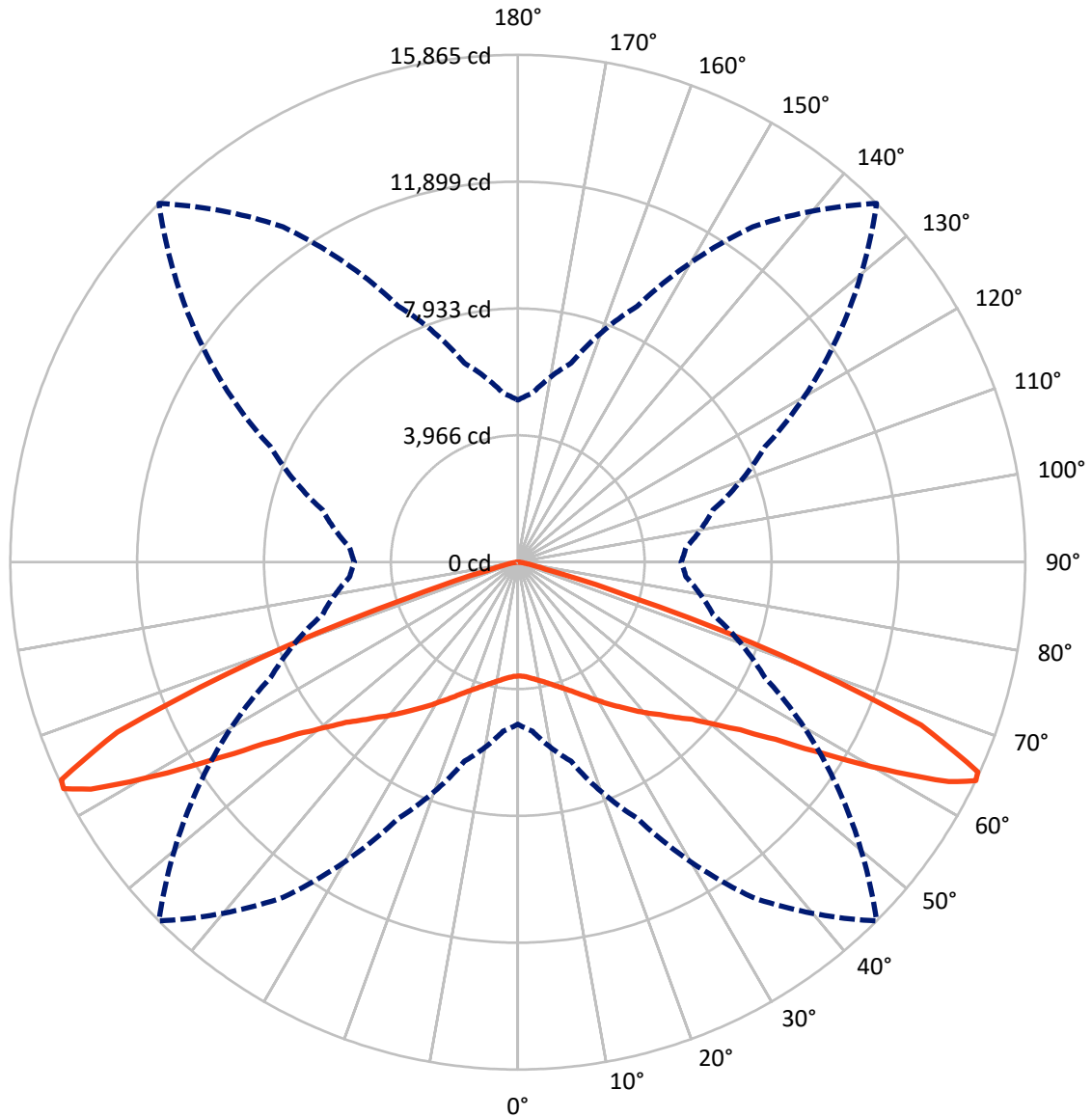
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14725.0	0.0	14725.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14725.0	0.0	14725.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29450.0	0.0	29450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.7	1.2
10°-20°	1128.0	3.8
20°-30°	2131.6	7.2
30°-40°	3530.2	12.0
40°-50°	5511.2	18.7
50°-60°	8520.2	28.9
60°-70°	7346.8	24.9
70°-80°	832.6	2.8
80°-90°	99.8	0.3
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°	29450.0	100.0
0°-180°	29450.0	100.0

Coefficient of Utilization



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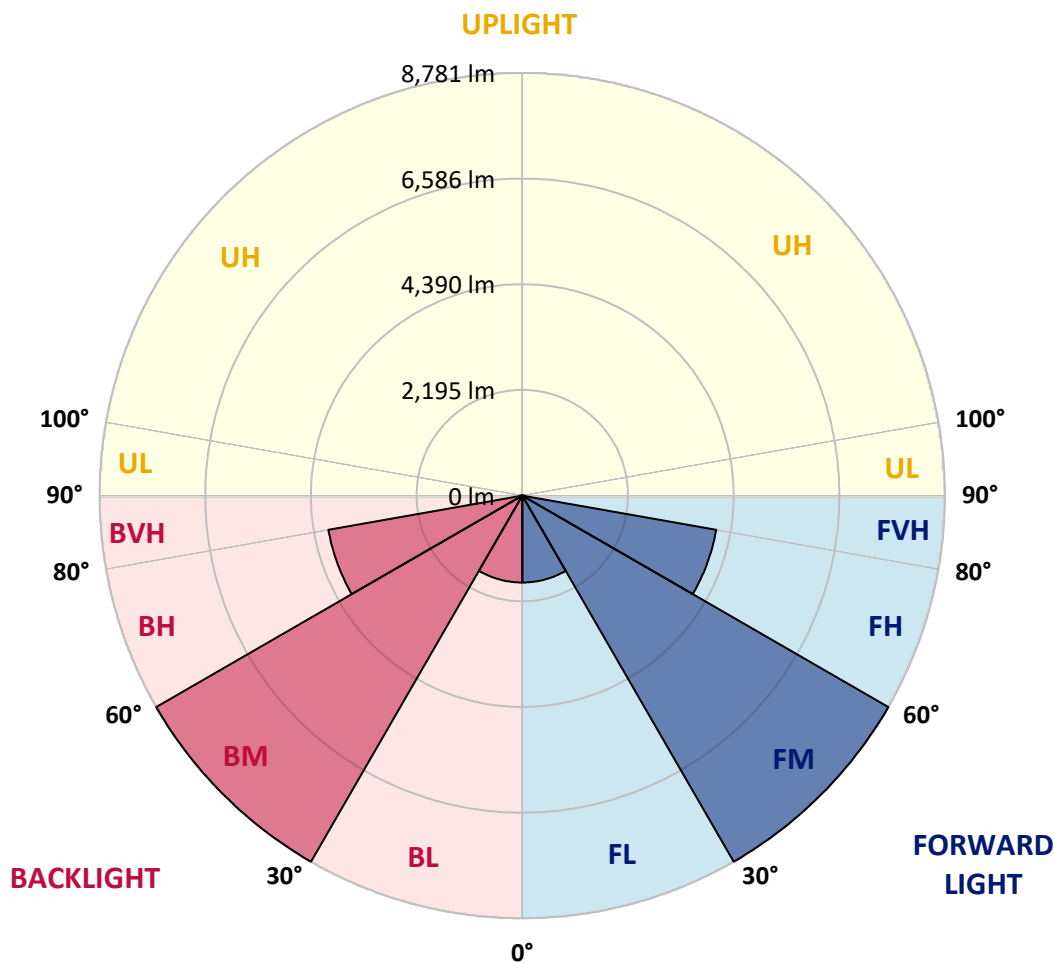
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1804.7	6.1			
FM	(30°-60°)	8780.8	29.8			
FH	(60°-80°)	4089.7	13.9			G2/5000
FVH	(80°-90°)	49.9	0.2			G1/100
BL	(0°-30°)	1804.7	6.1	B3/2500		
BM	(30°-60°)	8780.8	29.8	B5		
BH	(60°-80°)	4089.7	13.9	B4/5000		G2/5000
BVH	(80°-90°)	49.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3559.5	3559.5	3559.5	3559.5	3559.5	3559.5	3559.5	3559.5	3559.5	3559.5	3559.5
2.5°	3573.6	3581.4	3575.1	3573.6	3572.0	3572.0	3572.0	3573.6	3579.8	3584.5	3581.4
5°	3618.8	3625.0	3621.9	3620.4	3618.8	3620.4	3617.2	3615.7	3620.4	3620.4	3618.8
7.5°	3675.0	3682.8	3679.6	3682.8	3684.3	3685.9	3678.1	3671.8	3670.3	3675.0	3671.8
10°	3751.4	3757.6	3759.2	3760.7	3763.9	3762.3	3752.9	3742.0	3740.5	3738.9	3737.3
12.5°	3837.2	3841.9	3843.4	3849.7	3854.3	3855.9	3845.0	3835.6	3820.0	3823.1	3816.9
15°	3933.9	3943.2	3941.7	3951.0	3963.5	3966.6	3955.7	3940.1	3926.1	3918.3	3913.6
17.5°	4052.4	4058.7	4055.6	4064.9	4080.5	4088.3	4079.0	4058.7	4044.6	4027.5	4018.1
20°	4192.8	4203.7	4206.9	4206.9	4220.9	4228.7	4214.7	4208.4	4186.6	4174.1	4166.3
22.5°	4351.9	4356.6	4366.0	4375.3	4389.4	4386.2	4381.6	4372.2	4351.9	4341.0	4328.5
25°	4531.3	4536.0	4559.4	4579.7	4584.3	4581.2	4575.0	4570.3	4551.6	4526.6	4517.3
27.5°	4740.3	4749.7	4780.9	4799.6	4799.6	4801.2	4788.7	4804.3	4763.7	4734.1	4731.0
30°	5002.4	5008.6	5035.1	5053.8	5044.5	5036.7	5033.6	5049.2	5005.5	4952.5	4940.0
32.5°	5261.3	5283.1	5306.5	5347.1	5314.3	5300.3	5297.2	5308.1	5258.2	5198.9	5181.7
35°	5538.9	5554.5	5598.2	5632.5	5602.9	5570.1	5584.2	5618.5	5559.2	5479.7	5476.6
37.5°	5846.2	5860.3	5916.4	5952.3	5930.5	5874.3	5897.7	5938.3	5879.0	5780.7	5760.4
40°	6166.0	6195.6	6265.8	6303.3	6267.4	6192.5	6236.2	6279.9	6226.8	6113.0	6067.7
42.5°	6524.8	6571.6	6672.9	6691.7	6623.0	6521.6	6598.1	6668.3	6630.8	6499.8	6482.6
45°	6944.4	6972.4	7097.2	7137.8	7042.6	6916.3	7011.4	7139.3	7111.3	6960.0	6927.2
47.5°	7413.9	7440.4	7569.8	7630.7	7510.6	7340.6	7512.1	7679.0	7661.9	7499.7	7484.1
50°	7969.2	7975.4	8154.8	8223.4	8103.3	7956.7	8109.5	8317.0	8248.4	8040.9	8037.8
52.5°	8577.5	8585.3	8811.5	8944.1	8877.0	8711.6	8892.6	9018.9	8844.2	8572.8	8552.5
55°	9104.7	9143.7	9452.6	9805.1	9897.1	9777.0	9831.6	9772.3	9341.8	8961.2	8901.9
57.5°	9320.0	9396.4	9865.9	10524.2	11123.1	11301.0	10879.8	10315.1	9539.9	9001.8	8944.1
60°	8794.3	8877.0	9605.4	10854.8	12383.5	13155.6	11971.7	10407.2	9089.1	8332.6	8242.1
62.5°	7042.6	7066.0	8137.6	10076.5	13118.2	15117.9	12431.8	9622.6	7777.3	6749.4	6713.5
64°	5067.9	5308.1	6443.6	8834.9	12796.8	15865.0	12166.7	8522.9	6317.3	5276.9	5108.4
65°	3790.4	3855.9	5194.2	7544.9	12230.6	15808.9	11651.9	7471.6	5231.7	4038.4	3851.2
67.5°	1431.9	1439.7	1917.0	3760.7	8707.0	13601.7	8892.6	4064.9	2204.0	1594.1	1536.4
70°	594.3	605.2	703.5	1265.0	3742.0	8733.5	4288.0	1466.2	806.4	653.6	644.2
72.5°	435.2	441.4	471.1	561.5	1151.2	3586.0	1410.1	622.4	472.6	422.7	418.0
75°	341.6	344.7	366.6	413.4	536.6	993.6	586.5	427.4	360.3	324.4	321.3
77.5°	260.5	268.3	283.9	315.1	360.3	471.1	388.4	319.8	277.6	248.0	243.3
80°	179.4	188.7	218.4	230.9	241.8	305.7	265.2	241.8	216.8	180.9	170.0
82.5°	110.7	117.0	146.6	157.5	152.9	171.6	170.0	173.1	154.4	112.3	104.5
85°	57.7	60.8	79.6	82.7	76.4	70.2	87.4	101.4	95.1	64.0	62.4
87.5°	12.5	14.0	17.2	15.6	17.2	17.2	21.8	32.8	34.3	21.8	20.3
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)