

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: P316341

Luminaire Tested: **GAN-SA7D-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45937 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

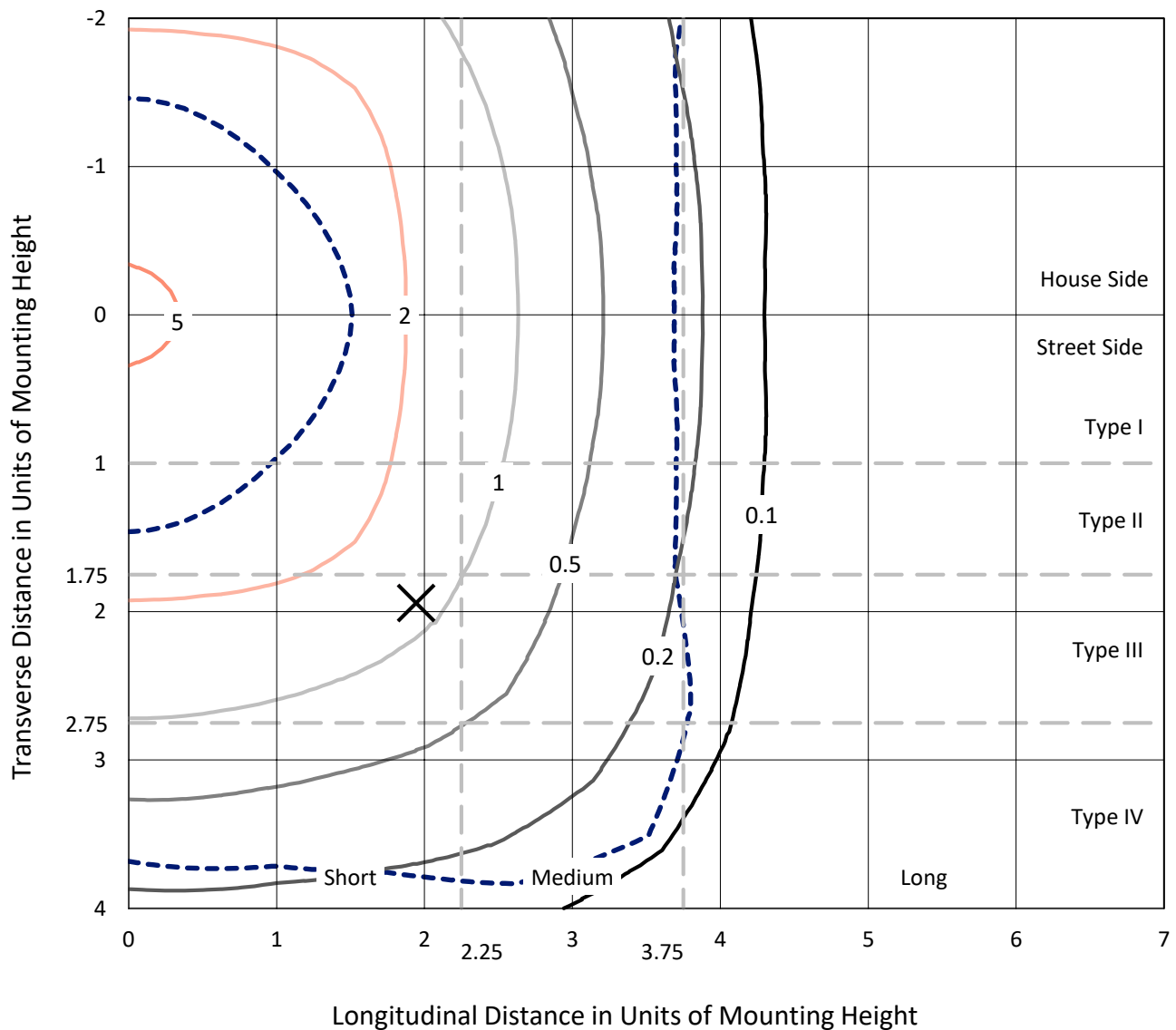
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

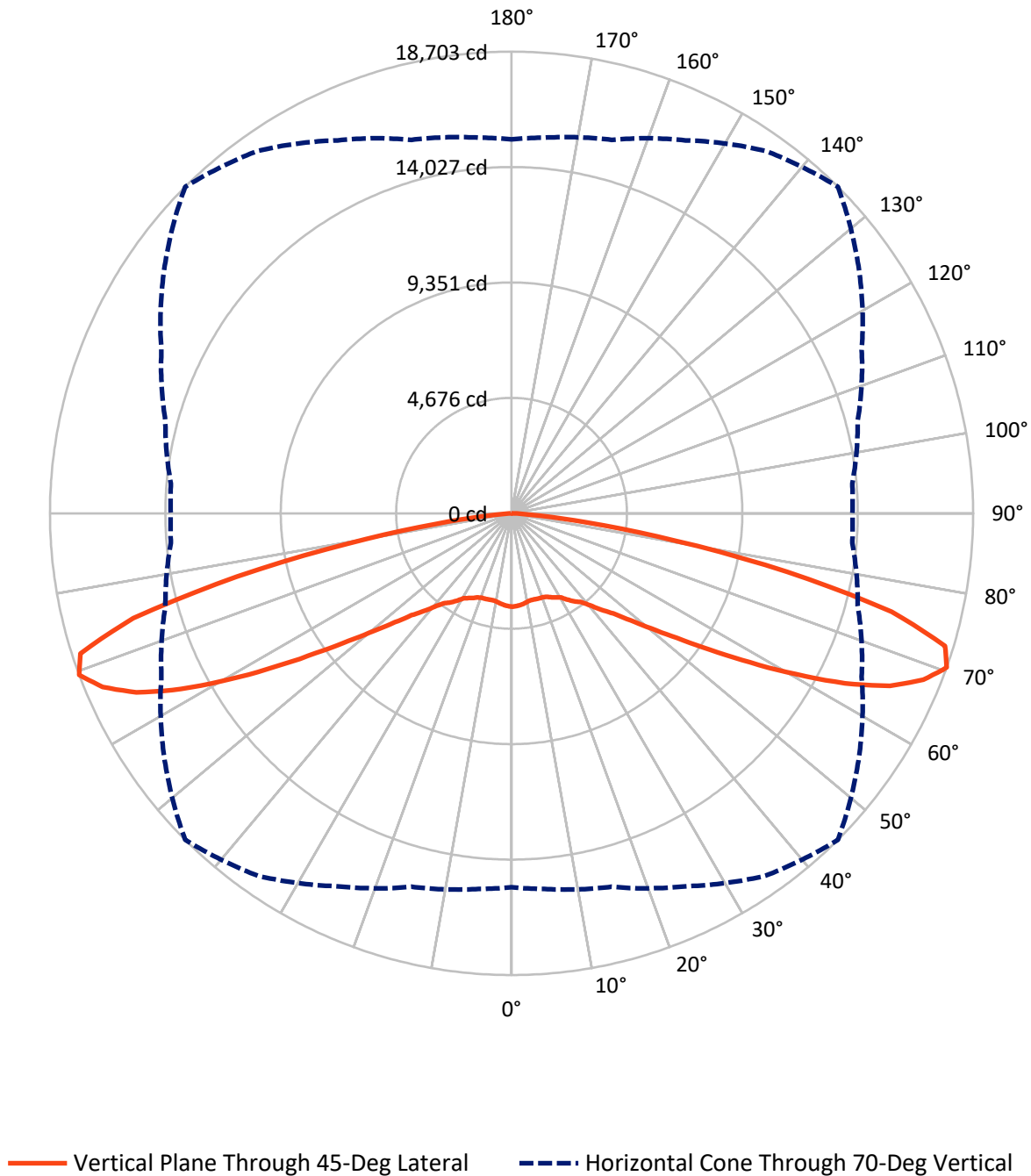
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22968.5	0.0	22968.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22968.5	0.0	22968.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45937.0	0.0	45937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.9	0.8
10°-20°	1030.7	2.2
20°-30°	1757.3	3.8
30°-40°	2745.9	6.0
40°-50°	4653.6	10.1
50°-60°	8486.2	18.5
60°-70°	14609.6	31.8
70°-80°	11451.6	24.9
80°-90°	849.1	1.8
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°	45937.0	100.0
0°-180°	45937.0	100.0

Coefficient of Utilization



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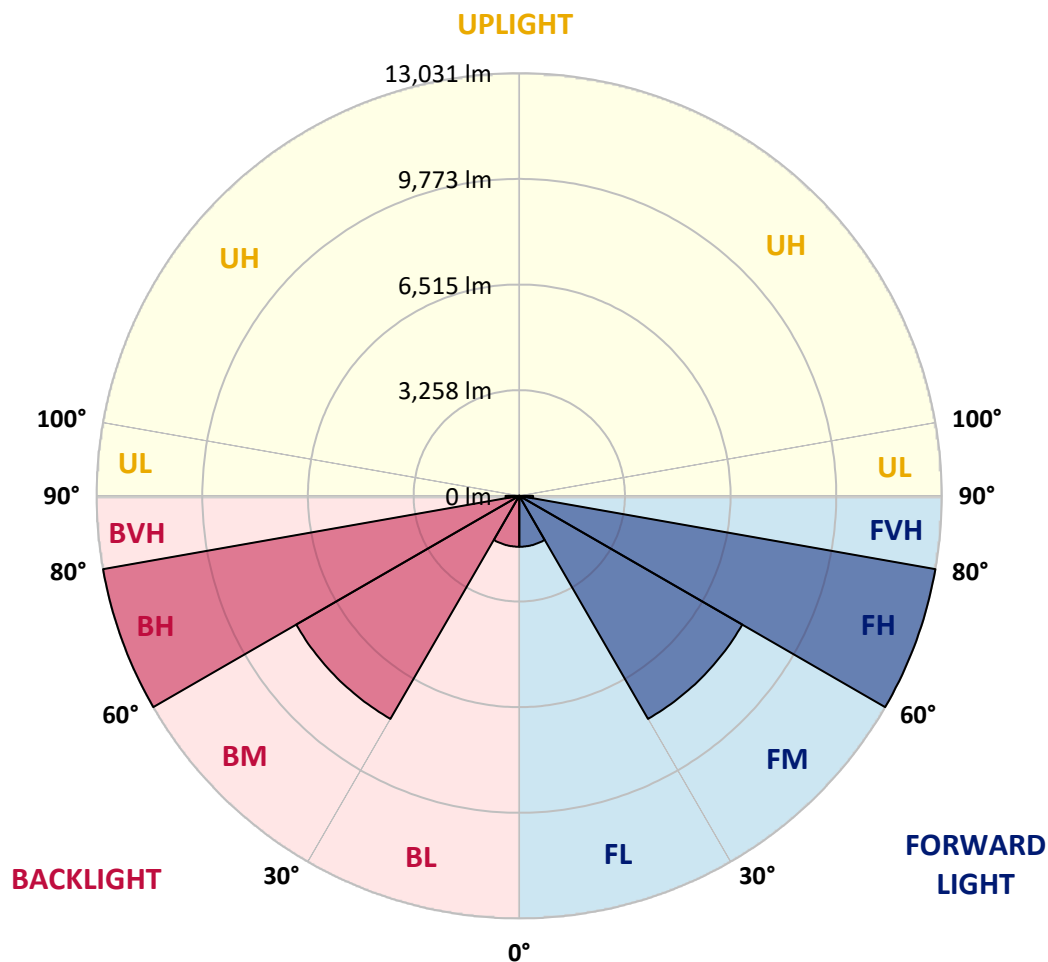
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1570.4	3.4			
FM	(30°-60°)	7942.9	17.3			
FH	(60°-80°)	13030.6	28.4			G5
FVH	(80°-90°)	424.6	0.9			G3/500
BL	(0°-30°)	1570.4	3.4	B3/2500		
BM	(30°-60°)	7942.9	17.3	B4/8500		
BH	(60°-80°)	13030.6	28.4	B5		G5
BVH	(80°-90°)	424.6	0.9			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3780.6	3780.6	3780.6	3780.6	3780.6	3780.6	3780.6	3780.6	3780.6	3780.6	3780.6
2.5°	3763.9	3768.5	3763.9	3766.9	3759.3	3762.4	3762.4	3762.4	3760.9	3762.4	3759.3
5°	3730.5	3733.5	3727.4	3730.5	3725.9	3730.5	3732.0	3730.5	3727.4	3729.0	3722.9
7.5°	3680.3	3683.4	3678.8	3683.4	3677.3	3684.9	3683.4	3678.8	3674.3	3674.3	3668.2
10°	3653.0	3654.5	3642.3	3637.8	3624.1	3627.1	3631.7	3636.3	3640.8	3649.9	3648.4
12.5°	3654.5	3654.5	3636.3	3616.5	3596.8	3601.3	3608.9	3625.6	3643.9	3660.6	3662.1
15°	3669.7	3668.2	3640.8	3608.9	3595.2	3608.9	3613.5	3624.1	3653.0	3681.9	3683.4
17.5°	3680.3	3680.3	3637.8	3601.3	3599.8	3621.1	3619.5	3624.1	3656.0	3698.6	3700.1
20°	3700.1	3700.1	3645.4	3605.9	3605.9	3628.7	3630.2	3637.8	3669.7	3716.8	3724.4
22.5°	3744.2	3745.7	3687.9	3656.0	3659.1	3672.7	3677.3	3689.4	3718.3	3770.0	3779.1
25°	3806.5	3809.5	3750.2	3732.0	3742.6	3768.5	3765.4	3774.5	3806.5	3856.6	3865.7
27.5°	3893.1	3885.5	3830.8	3823.2	3833.8	3852.0	3850.5	3852.0	3877.9	3923.5	3934.1
30°	4005.5	4002.5	3963.0	3967.5	3963.0	3956.9	3958.4	3970.6	3984.2	4020.7	4031.3
32.5°	4114.9	4118.0	4093.6	4116.4	4149.9	4172.7	4137.7	4104.3	4089.1	4108.8	4118.0
35°	4312.5	4320.1	4282.1	4266.9	4312.5	4379.3	4280.6	4225.8	4256.2	4282.1	4289.7
37.5°	4648.3	4652.8	4589.0	4528.2	4494.8	4558.6	4459.9	4464.4	4570.8	4619.4	4617.9
40°	5031.2	5032.7	4990.2	4937.0	4879.3	4894.4	4854.9	4867.1	4937.0	4981.1	4993.2
42.5°	5487.1	5482.5	5415.6	5339.7	5323.0	5338.2	5271.3	5262.2	5342.7	5421.7	5423.2
45°	6078.2	6067.5	5980.9	5897.3	5816.8	5783.4	5766.7	5810.7	5921.7	5994.6	5996.1
47.5°	6714.9	6686.0	6640.4	6573.5	6503.6	6470.2	6442.9	6464.1	6544.7	6573.5	6576.6
50°	7369.8	7375.9	7385.0	7359.1	7333.3	7322.7	7251.3	7210.2	7234.5	7181.4	7173.8
52.5°	8146.3	8158.4	8246.6	8321.0	8365.1	8387.9	8252.6	8111.3	8032.3	7929.0	7898.6
55°	9062.6	9082.3	9211.5	9418.1	9630.9	9743.3	9498.7	9234.3	8989.6	8796.6	8734.3
57.5°	10083.7	10118.6	10296.4	10693.0	11129.1	11395.0	10981.7	10501.6	10029.0	9750.9	9702.3
60°	11281.1	11314.5	11560.7	12129.0	12835.6	13235.2	12609.2	11823.6	11235.5	10969.6	10879.9
62.5°	12706.4	12709.5	13011.8	13675.9	14608.9	15165.0	14317.1	13267.1	12660.8	12340.2	12253.6
65°	14239.6	14247.2	14560.3	15277.5	16242.4	16847.2	15889.9	14795.8	14054.2	13581.7	13514.8
67.5°	15323.1	15355.0	15684.7	16547.8	17450.4	17995.9	17005.2	15768.3	14911.3	14347.5	14291.3
70°	15149.8	15274.4	15661.9	16669.4	17924.5	18702.5	17186.0	15652.8	14522.3	13856.7	13809.6
72.5°	13212.4	13451.0	13967.6	15289.6	17297.0	18368.2	16199.8	14019.3	12739.8	12173.1	12088.0
75°	8997.2	9384.7	10164.2	12071.2	14777.5	15903.5	13637.9	11177.8	9974.3	9190.2	9132.4
77.5°	4011.6	4099.7	5087.4	7283.2	10197.6	11420.9	9908.9	7312.0	5488.6	4377.8	4143.8
80°	1118.4	1132.1	1510.4	2712.4	5104.1	6710.3	5479.5	2849.1	1601.6	1129.0	1063.7
82.5°	355.6	386.0	471.1	703.5	1715.6	3061.9	1761.1	759.8	541.0	431.6	389.0
85°	173.2	171.7	238.6	285.7	437.6	677.7	466.5	352.5	308.5	205.1	185.4
87.5°	72.9	74.5	110.9	100.3	127.6	109.4	150.4	158.0	165.6	91.2	79.0
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)