

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: P316459

Luminaire Tested: **GAN-SA5D-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5D-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37100 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

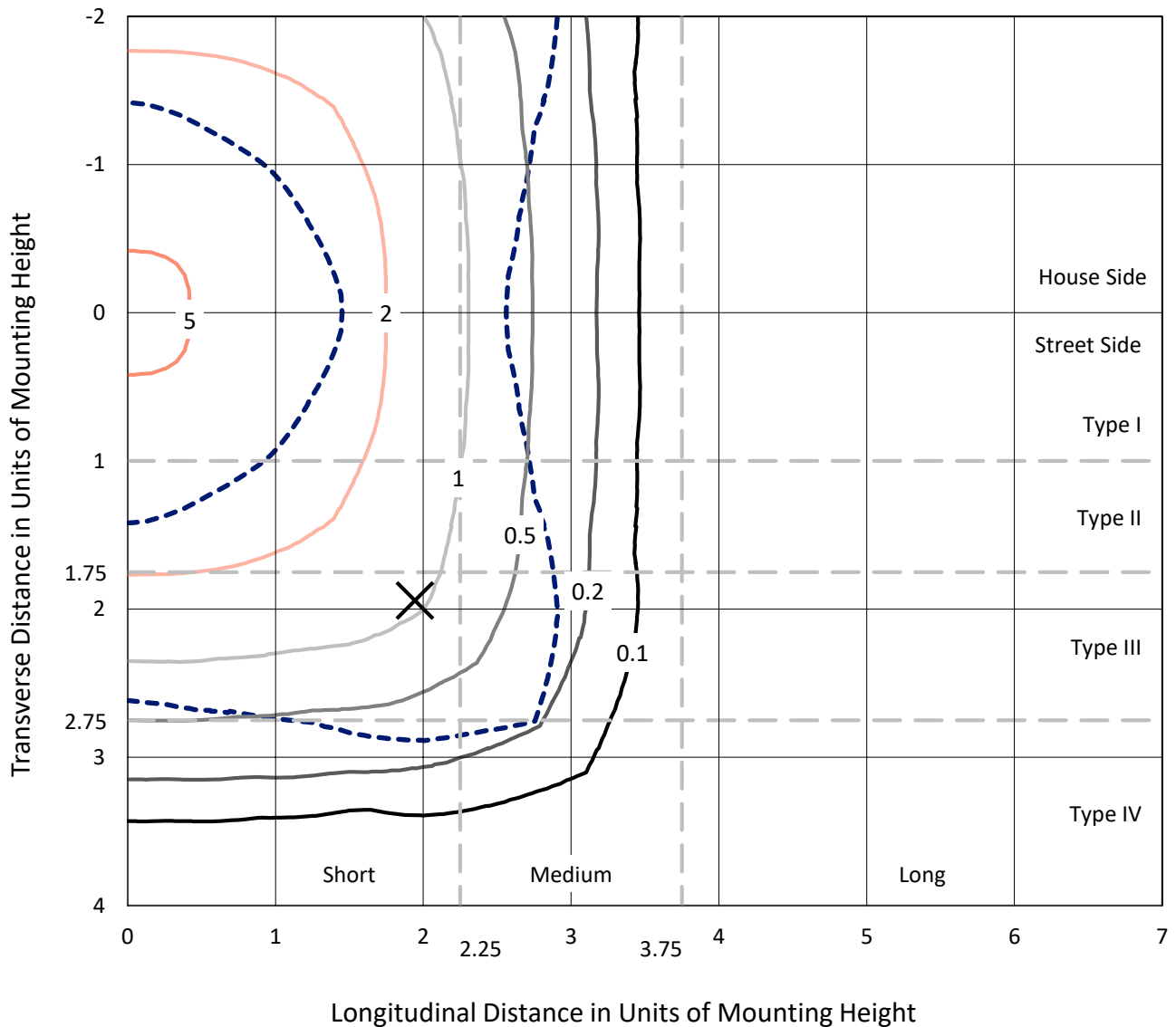
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

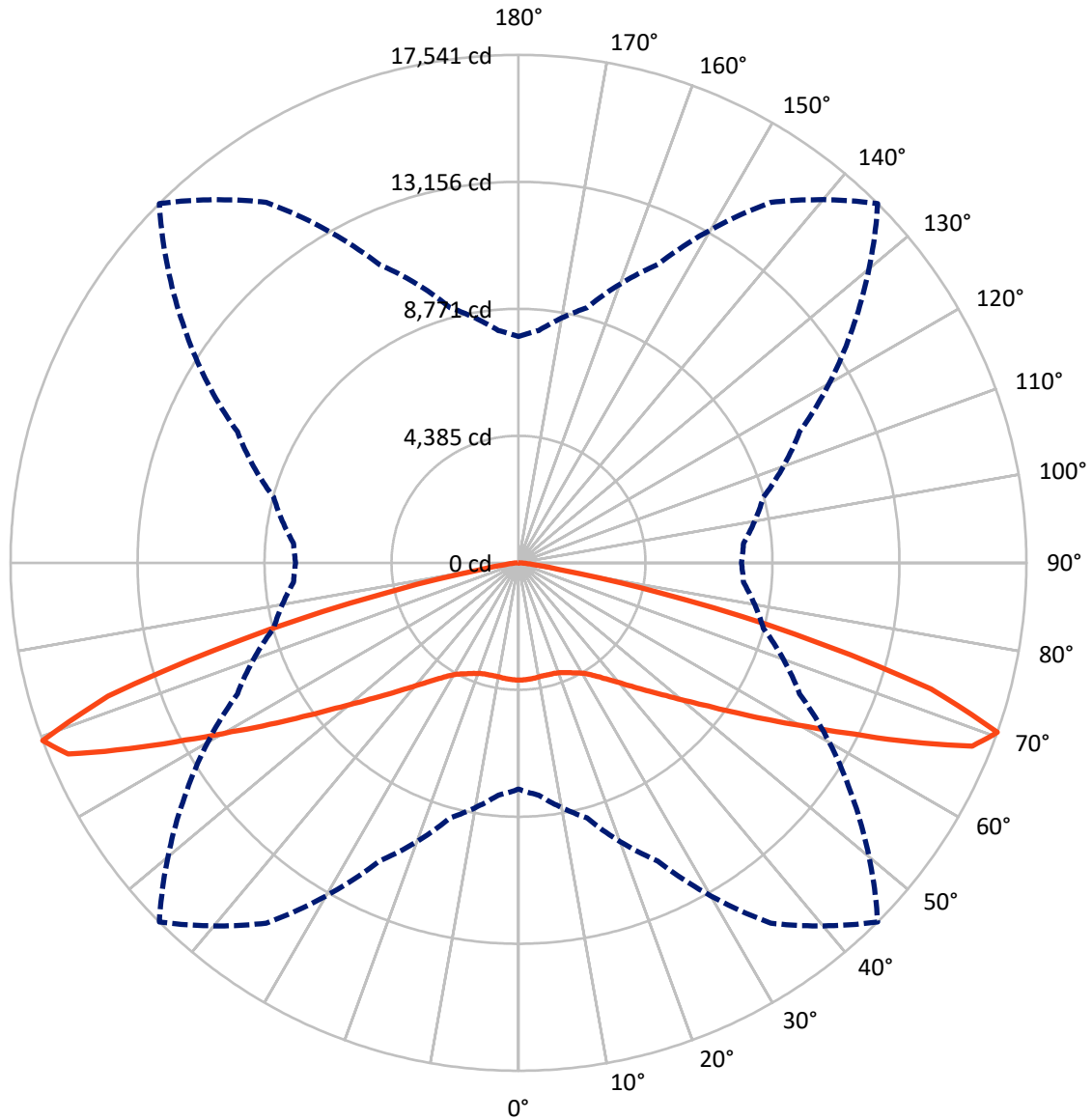
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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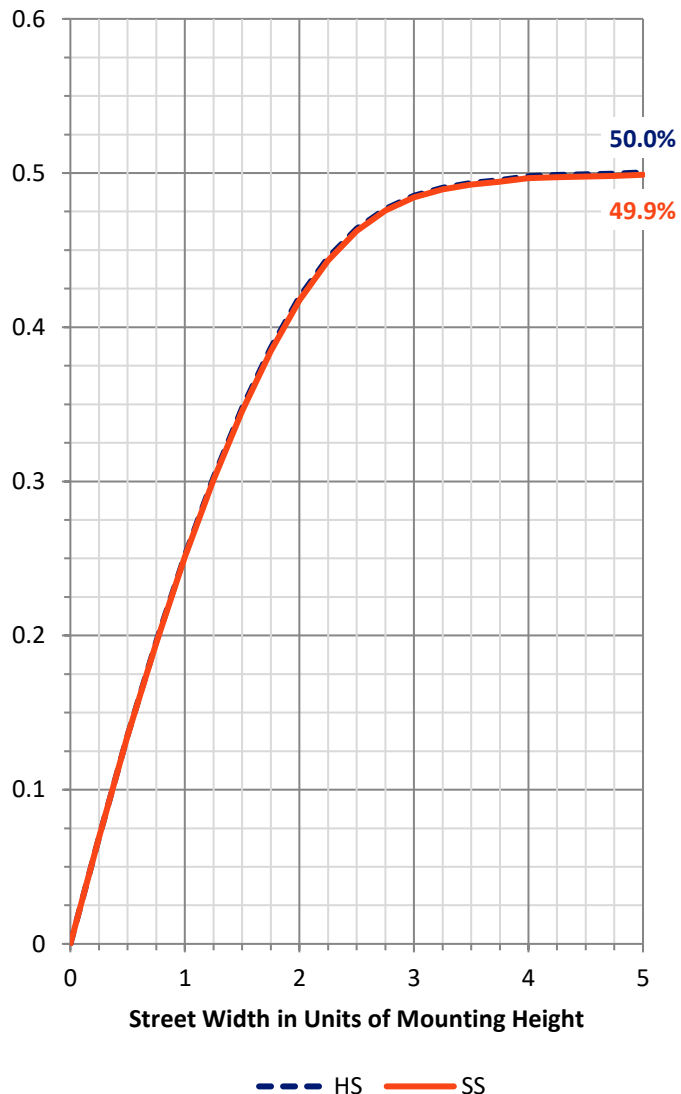
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18550.0	0.0	18550.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18550.0	0.0	18550.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37100.0	0.0	37100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.8	1.0
10°-20°	1126.6	3.0
20°-30°	1917.9	5.2
30°-40°	3041.7	8.2
40°-50°	4949.8	13.3
50°-60°	8161.3	22.0
60°-70°	11981.0	32.3
70°-80°	5298.0	14.3
80°-90°	239.9	0.6
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°	37100.0	100.0
0°-180°	37100.0	100.0

Coefficient of Utilization



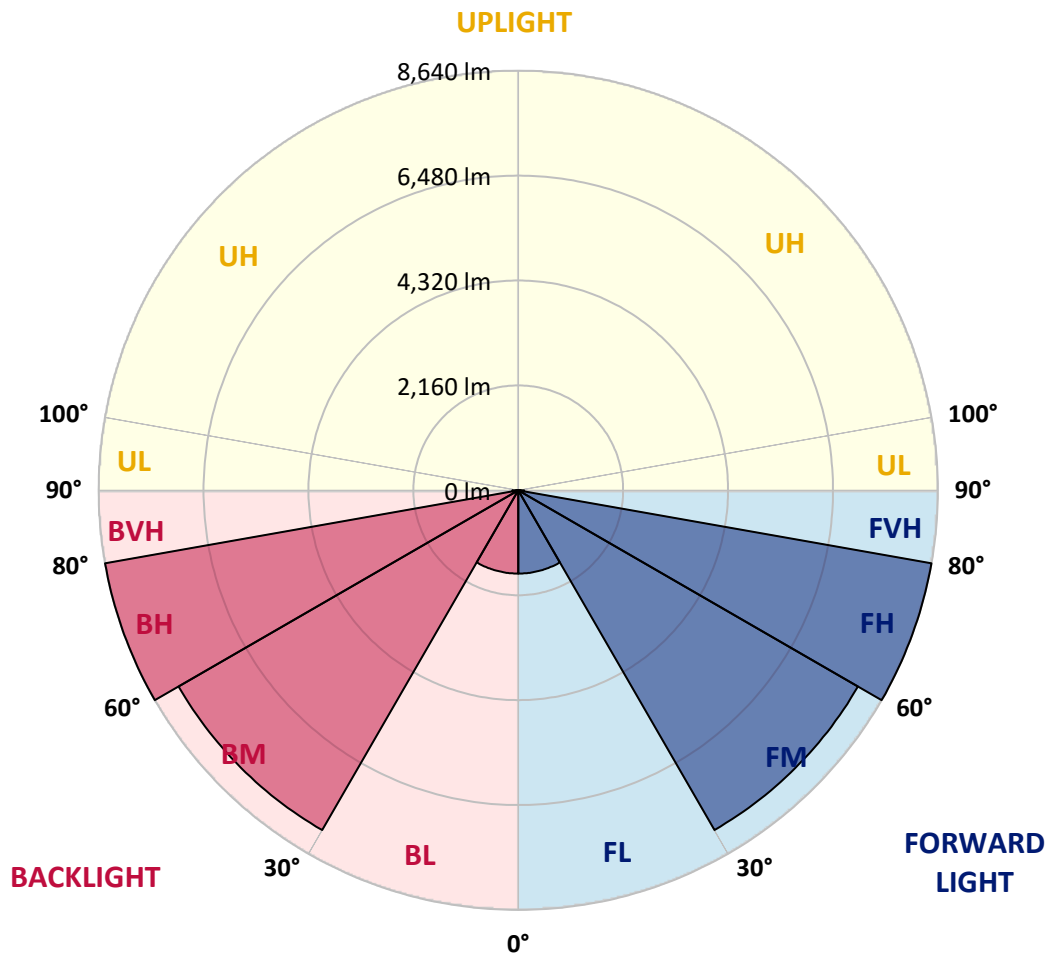
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.1	4.6			
FM (30°-60°)	8076.4	21.8			
FH (60°-80°)	8639.5	23.3			G4/12000
FVH (80°-90°)	120.0	0.3			G2/225
BL (0°-30°)	1714.1	4.6	B3/2500		
BM (30°-60°)	8076.4	21.8	B4/8500		
BH (60°-80°)	8639.5	23.3	B5		G4/12000
BVH (80°-90°)	120.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9	4051.9
2.5°	4045.8	4042.1	4050.7	4049.4	4042.1	4043.3	4043.3	4047.0	4047.0	4044.5	4044.5
5°	4031.0	4028.6	4038.4	4038.4	4031.0	4033.5	4035.9	4039.6	4038.4	4035.9	4034.7
7.5°	4012.6	4011.4	4021.2	4021.2	4016.3	4018.7	4016.3	4017.5	4015.1	4012.6	4008.9
10°	3981.9	3984.4	3993.0	3995.4	3995.4	3996.6	3994.2	3988.0	3984.4	3980.7	3977.0
12.5°	3953.7	3952.4	3964.7	3970.9	3980.7	3991.7	3984.4	3967.2	3959.8	3952.4	3950.0
15°	3935.3	3936.5	3948.8	3959.8	3977.0	4000.3	3991.7	3964.7	3950.0	3941.4	3938.9
17.5°	3931.6	3934.0	3950.0	3969.6	3988.0	4013.8	4008.9	3981.9	3957.4	3941.4	3937.7
20°	3940.2	3941.4	3965.9	3994.2	4026.1	4050.7	4039.6	4010.2	3977.0	3952.4	3946.3
22.5°	3956.1	3961.0	3991.7	4035.9	4085.0	4118.2	4104.7	4054.4	4002.8	3972.1	3963.5
25°	4006.5	4007.7	4049.4	4109.6	4168.5	4206.6	4190.6	4119.4	4053.1	4018.7	4007.7
27.5°	4110.8	4114.5	4156.3	4226.3	4276.6	4301.2	4291.3	4233.6	4177.1	4140.3	4144.0
30°	4261.9	4266.8	4313.4	4390.8	4421.5	4427.6	4425.2	4398.2	4346.6	4297.5	4301.2
32.5°	4446.0	4448.5	4511.1	4581.1	4605.7	4610.6	4605.7	4581.1	4519.7	4453.4	4457.1
35°	4683.0	4690.4	4750.5	4818.1	4837.7	4847.5	4838.9	4807.0	4743.2	4678.1	4675.6
37.5°	4975.2	4976.5	5039.1	5109.1	5133.6	5136.1	5126.3	5105.4	5025.6	4966.6	4963.0
40°	5314.1	5319.0	5392.7	5467.6	5477.4	5466.4	5479.9	5467.6	5385.3	5317.8	5328.9
42.5°	5726.7	5737.7	5826.1	5899.8	5871.6	5865.4	5874.0	5877.7	5811.4	5729.1	5721.8
45°	6206.8	6216.6	6327.1	6386.0	6367.6	6327.1	6344.3	6373.8	6281.7	6179.8	6189.6
47.5°	6754.4	6778.9	6896.8	6952.1	6906.6	6851.4	6884.5	6928.7	6820.7	6694.2	6688.1
50°	7363.4	7394.1	7551.3	7628.6	7583.2	7481.3	7536.5	7566.0	7410.1	7246.8	7233.3
52.5°	8012.9	8043.6	8241.3	8400.9	8371.5	8213.1	8290.4	8259.7	8080.5	7860.7	7843.5
55°	8748.4	8760.7	8974.3	9232.2	9261.7	9145.0	9140.1	9089.8	8824.5	8570.4	8558.1
57.5°	9504.8	9513.4	9789.6	10094.1	10232.9	10232.9	10095.4	9988.5	9636.1	9341.5	9310.8
60°	10321.3	10352.0	10657.7	11071.5	11395.7	11491.4	11248.3	10957.3	10574.2	10214.5	10178.9
62.5°	11048.2	11083.8	11551.6	12168.0	12688.6	13037.3	12443.0	11969.1	11271.6	10694.6	10627.0
65°	11140.3	11236.0	11917.5	13033.6	14198.8	14895.0	13755.6	12587.9	11317.1	10515.3	10446.5
67.5°	10173.9	10336.0	11256.9	12994.3	15402.1	16896.4	14594.2	12234.3	10501.8	9615.3	9539.1
70°	7817.7	8053.5	9115.5	11366.2	15194.6	17541.0	14068.7	10710.5	8755.8	7801.7	7694.9
72.5°	4288.9	4385.9	5341.1	7783.3	12181.5	14906.1	11734.5	7919.6	5806.5	4724.8	4545.5
75°	1360.5	1394.8	1881.1	3185.0	6890.7	9873.1	7454.3	3887.4	2140.1	1577.8	1559.4
77.5°	604.1	607.8	680.2	929.5	2373.4	5002.3	2851.1	1058.4	729.3	637.3	658.1
80°	381.9	381.9	421.2	460.4	645.8	1452.5	771.1	503.4	429.7	399.1	407.6
82.5°	182.9	202.6	273.8	294.7	354.8	488.7	395.4	329.1	287.3	213.6	198.9
85°	120.3	100.7	173.1	195.2	206.3	234.5	229.6	217.3	187.9	106.8	119.1
87.5°	54.0	51.6	89.6	82.3	77.4	58.9	88.4	109.3	105.6	52.8	52.8
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)