

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: P316141

Luminaire Tested: **GAN-SA7D-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316141
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 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: 52644 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

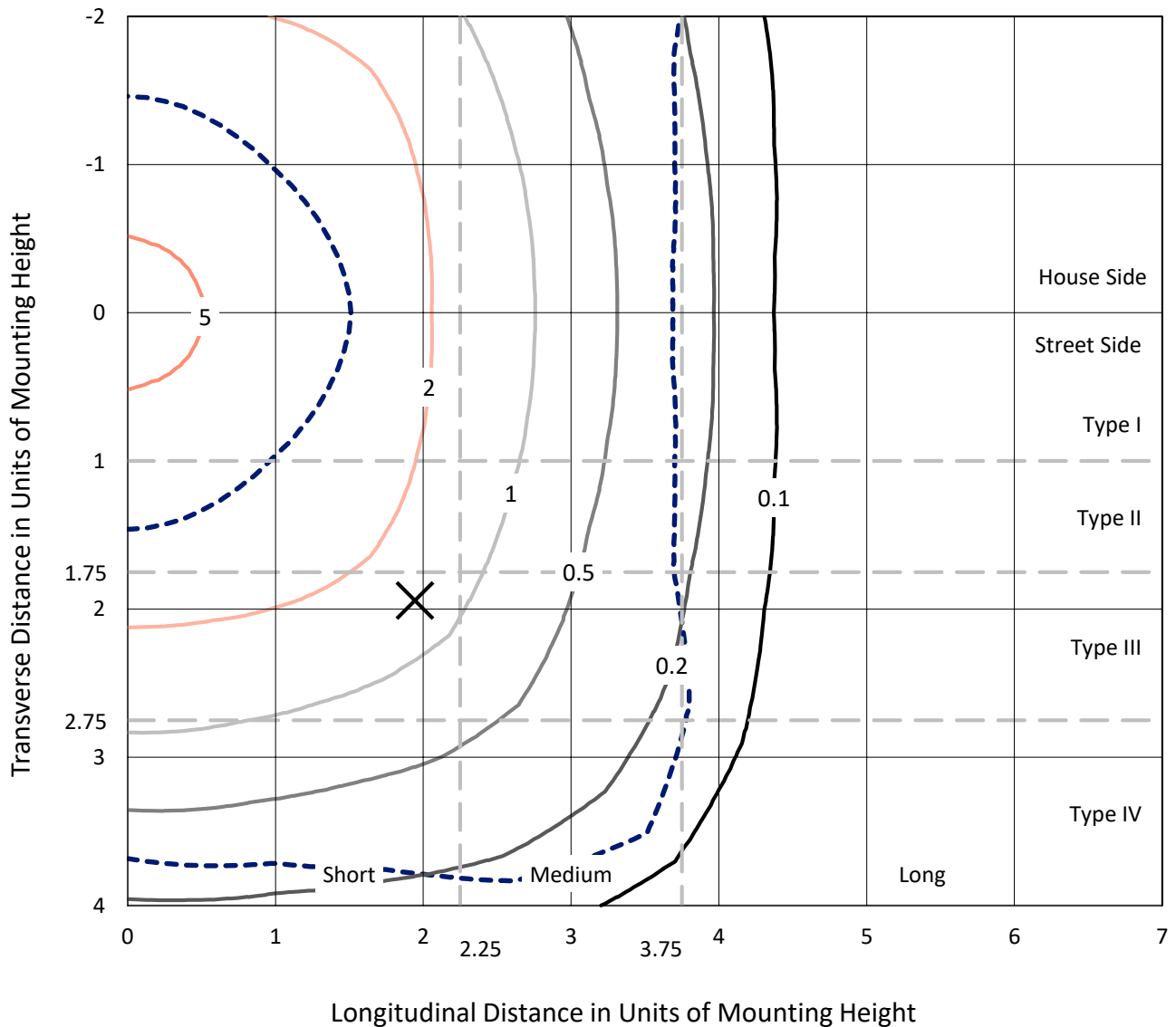
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

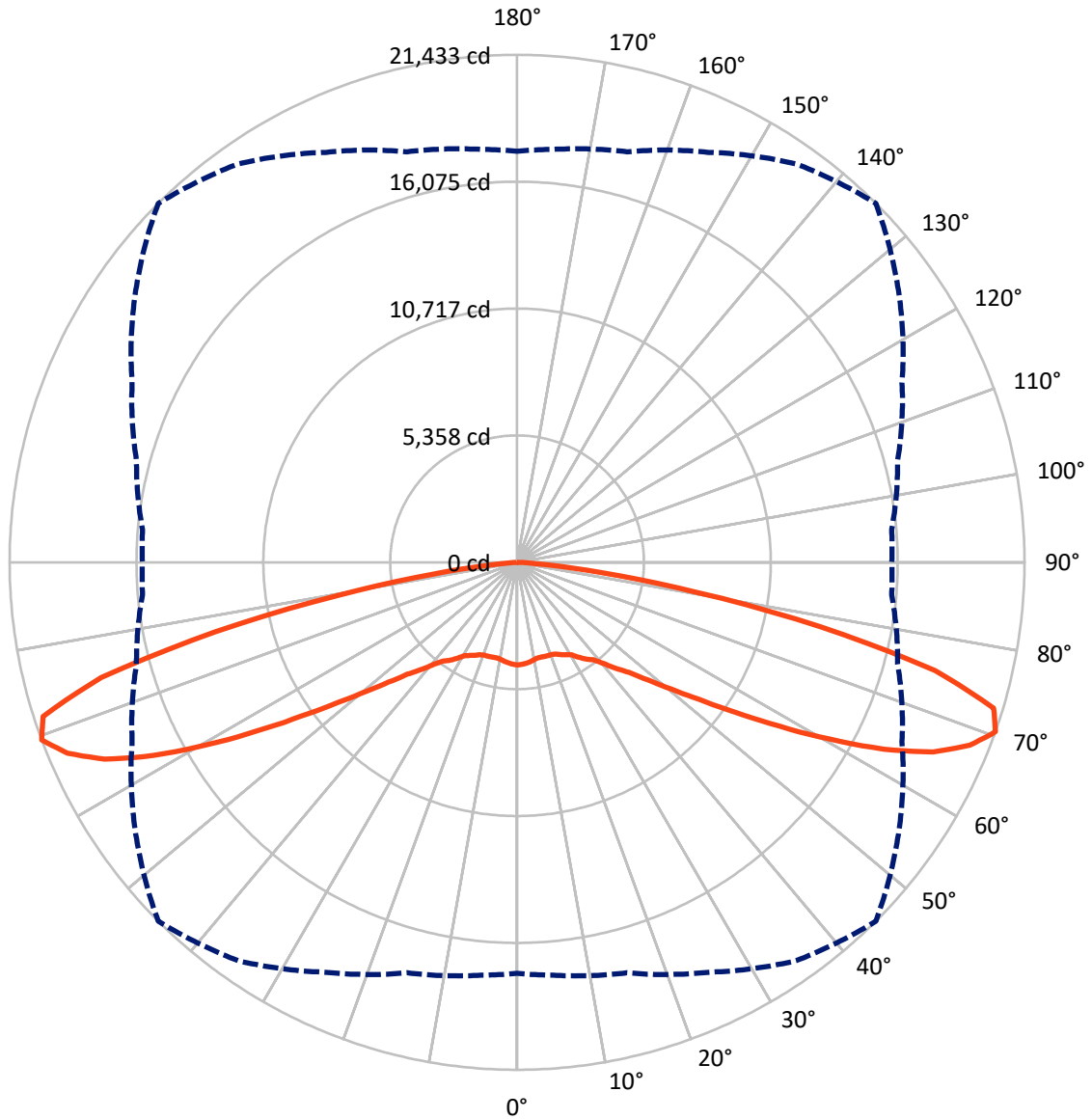
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

REPORT NUMBER: P316141
CATALOG NUMBER: GAN-SA7D-730-U-5WQ

Luminous Intensity Polar Plot



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

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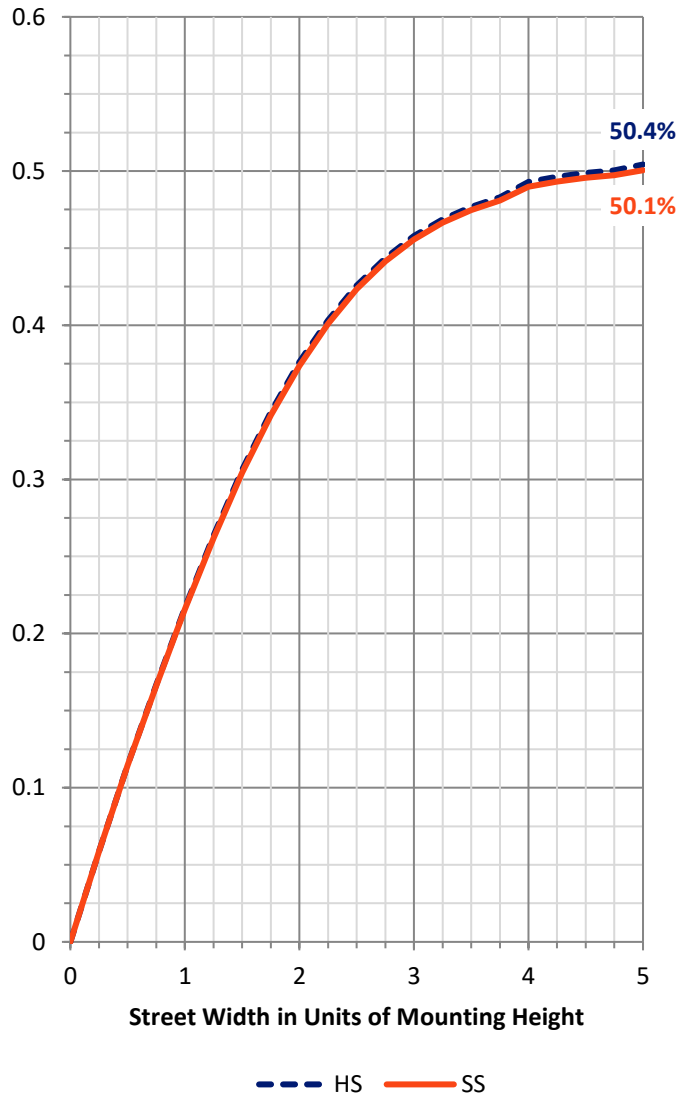
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26322.0	0.0	26322.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26322.0	0.0	26322.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52644.0	0.0	52644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.4	0.8
10°-20°	1181.2	2.2
20°-30°	2013.9	3.8
30°-40°	3146.8	6.0
40°-50°	5333.1	10.1
50°-60°	9725.3	18.5
60°-70°	16742.7	31.8
70°-80°	13123.6	24.9
80°-90°	973.1	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°	52644.0	100.0
0°-180°	52644.0	100.0

Coefficient of Utilization

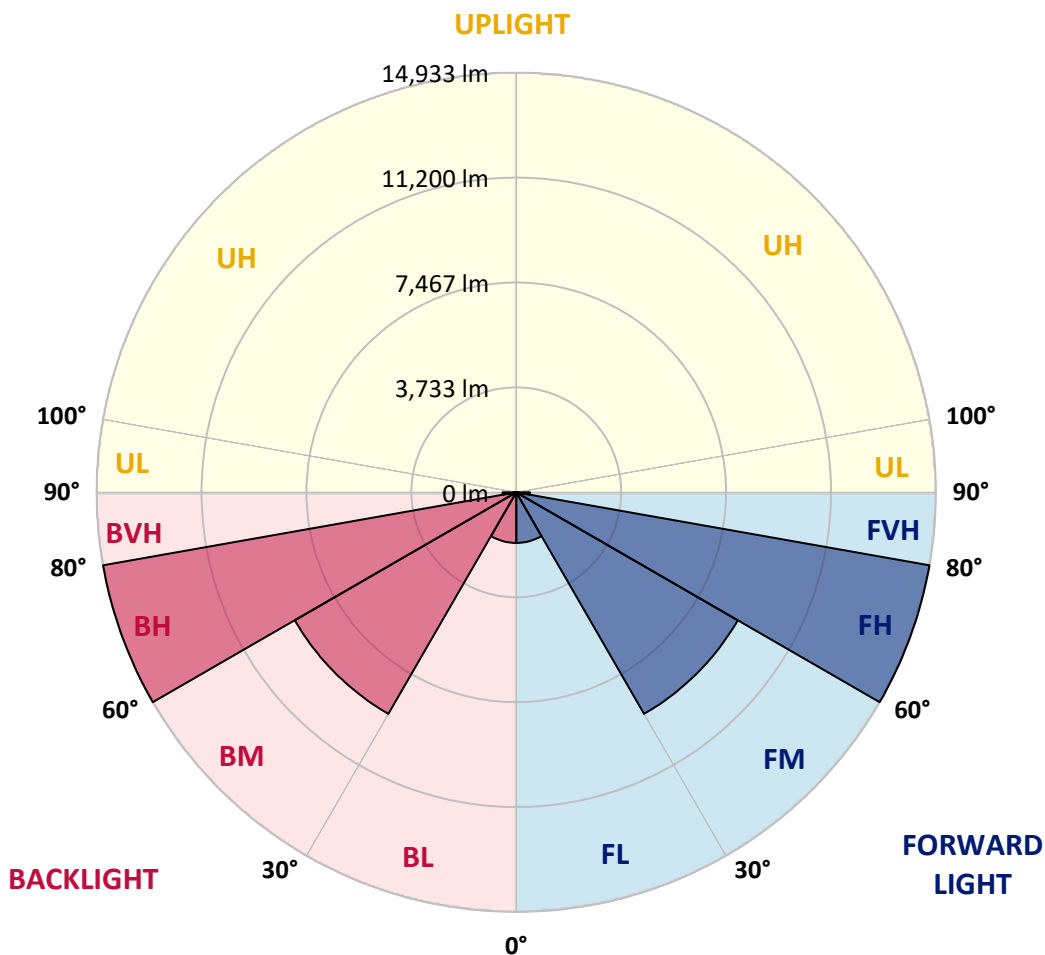


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1799.7	3.4			
FM (30°-60°)	9102.6	17.3			
FH (60°-80°)	14933.1	28.4			G5
FVH (80°-90°)	486.5	0.9			G3/500
BL (0°-30°)	1799.7	3.4	B3/2500		
BM (30°-60°)	9102.6	17.3	B5		
BH (60°-80°)	14933.1	28.4	B5		G5
BVH (80°-90°)	486.5	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°	4332.6	4332.6	4332.6	4332.6	4332.6	4332.6	4332.6	4332.6	4332.6	4332.6	4332.6
2.5°	4313.5	4318.7	4313.5	4316.9	4308.2	4311.7	4311.7	4311.7	4310.0	4311.7	4308.2
5°	4275.1	4278.6	4271.7	4275.1	4269.9	4275.1	4276.9	4275.1	4271.7	4273.4	4266.4
7.5°	4217.7	4221.2	4215.9	4221.2	4214.2	4222.9	4221.2	4215.9	4210.7	4210.7	4203.7
10°	4186.3	4188.1	4174.1	4168.9	4153.2	4156.7	4162.0	4167.2	4172.4	4182.8	4181.1
12.5°	4188.1	4188.1	4167.2	4144.5	4121.9	4127.1	4135.8	4155.0	4175.9	4195.0	4196.8
15°	4205.5	4203.7	4172.4	4135.8	4120.2	4135.8	4141.1	4153.2	4186.3	4219.4	4221.2
17.5°	4217.7	4217.7	4168.9	4127.1	4125.4	4149.8	4148.0	4153.2	4189.8	4238.6	4240.3
20°	4240.3	4240.3	4177.6	4132.3	4132.3	4158.5	4160.2	4168.9	4205.5	4259.5	4268.2
22.5°	4290.8	4292.6	4226.4	4189.8	4193.3	4209.0	4214.2	4228.1	4261.2	4320.4	4330.9
25°	4362.2	4365.7	4297.8	4276.9	4289.1	4318.7	4315.2	4325.6	4362.2	4419.7	4430.1
27.5°	4461.5	4452.8	4390.1	4381.4	4393.6	4414.5	4412.7	4414.5	4444.1	4496.3	4508.5
30°	4590.3	4586.9	4541.6	4546.8	4541.6	4534.6	4536.4	4550.3	4566.0	4607.7	4619.9
32.5°	4715.7	4719.2	4691.3	4717.5	4755.8	4781.9	4741.8	4703.5	4686.1	4708.8	4719.2
35°	4942.1	4950.8	4907.3	4889.9	4942.1	5018.7	4905.5	4842.8	4877.7	4907.3	4916.0
37.5°	5326.9	5332.2	5259.0	5189.4	5151.1	5224.2	5111.0	5116.2	5238.1	5293.9	5292.1
40°	5765.8	5767.5	5718.8	5657.8	5591.6	5609.1	5563.8	5577.7	5657.8	5708.3	5722.2
42.5°	6288.2	6283.0	6206.4	6119.3	6100.1	6117.5	6040.9	6030.5	6122.8	6213.3	6215.1
45°	6965.6	6953.4	6854.2	6758.4	6666.1	6627.8	6608.6	6659.1	6786.2	6869.8	6871.6
47.5°	7695.3	7662.2	7609.9	7533.3	7453.2	7414.9	7383.5	7407.9	7500.2	7533.3	7536.8
50°	8445.8	8452.8	8463.2	8433.6	8404.0	8391.8	8310.0	8263.0	8290.8	8229.9	8221.2
52.5°	9335.7	9349.6	9450.6	9535.9	9586.4	9612.5	9457.6	9295.6	9205.1	9086.6	9051.8
55°	10385.7	10408.4	10556.4	10793.2	11037.0	11165.9	10885.5	10582.5	10302.1	10081.0	10009.6
57.5°	11555.9	11596.0	11799.7	12254.2	12754.0	13058.8	12585.1	12034.8	11493.3	11174.6	11118.9
60°	12928.2	12966.5	13248.6	13899.9	14709.6	15167.6	14450.2	13549.8	12875.9	12571.2	12468.4
62.5°	14561.6	14565.1	14911.6	15672.6	16741.8	17379.2	16407.5	15204.2	14509.4	14141.9	14042.7
65°	16318.7	16327.4	16686.1	17508.1	18613.8	19306.9	18209.8	16956.0	16106.2	15564.7	15488.0
67.5°	17560.3	17596.9	17974.8	18963.9	19998.3	20623.4	19488.0	18070.5	17088.4	16442.3	16377.9
70°	17361.8	17504.6	17948.6	19103.2	20541.6	21433.2	19695.3	17938.2	16642.6	15879.8	15825.9
72.5°	15141.5	15414.9	16007.0	17522.0	19822.4	21050.1	18565.1	16066.2	14599.9	13950.4	13852.9
75°	10310.8	10754.9	11648.2	13833.7	16935.1	18225.5	15629.1	12809.8	11430.6	10532.0	10465.8
77.5°	4597.3	4698.3	5830.2	8346.5	11686.5	13088.4	11355.7	8379.6	6289.9	5017.0	4748.8
80°	1281.7	1297.3	1731.0	3108.4	5849.4	7690.0	6279.5	3265.1	1835.4	1293.9	1219.0
82.5°	407.5	442.3	539.8	806.3	1966.0	3508.9	2018.3	870.7	619.9	494.6	445.8
85°	198.5	196.8	273.4	327.4	501.5	776.7	534.6	404.0	353.5	235.1	212.5
87.5°	83.6	85.3	127.1	114.9	146.3	125.4	172.4	181.1	189.8	104.5	90.6
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)