

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: P316780

Luminaire Tested: **GAN-SA6D-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43594 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

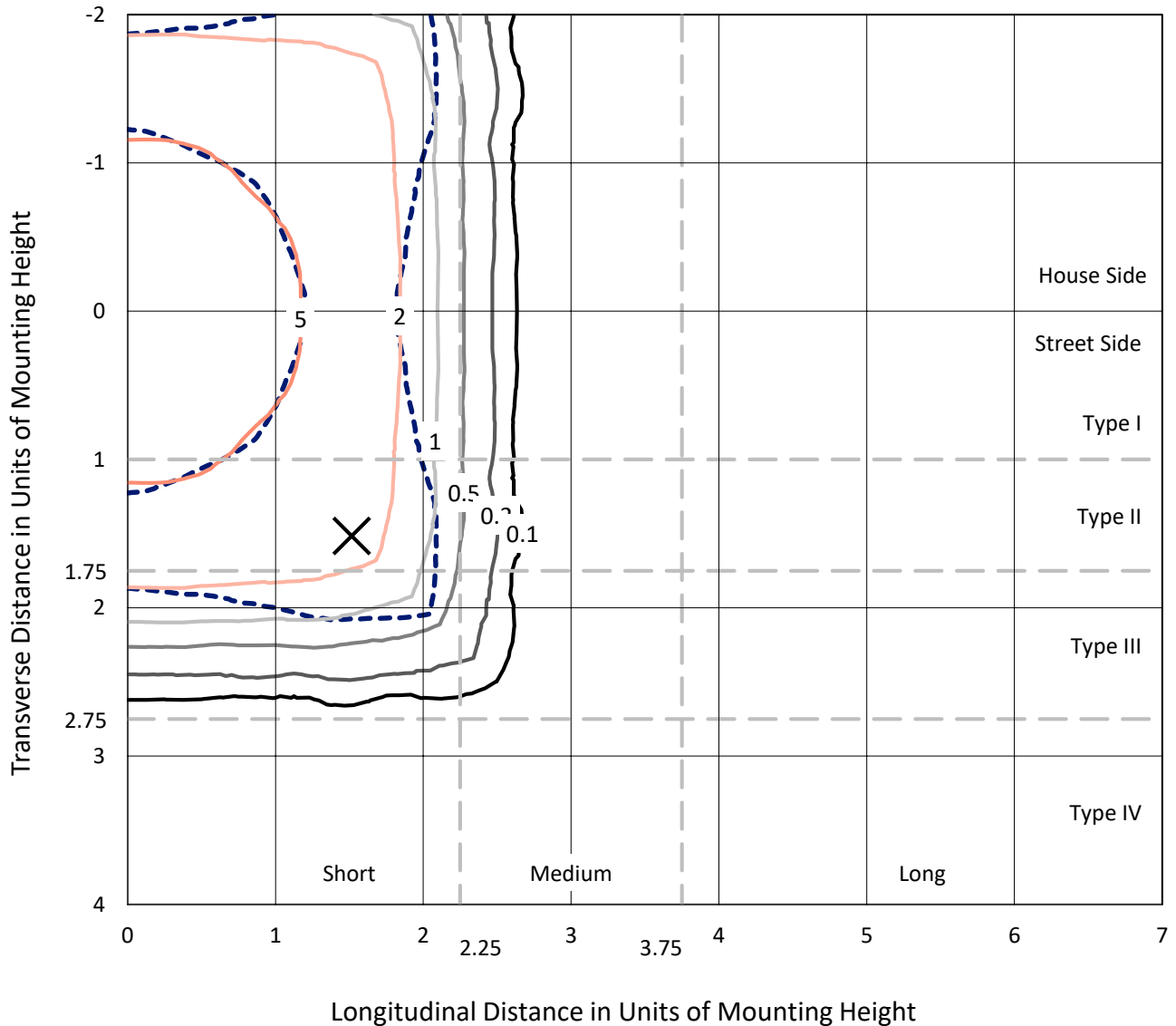
Input Watts (W): 382
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

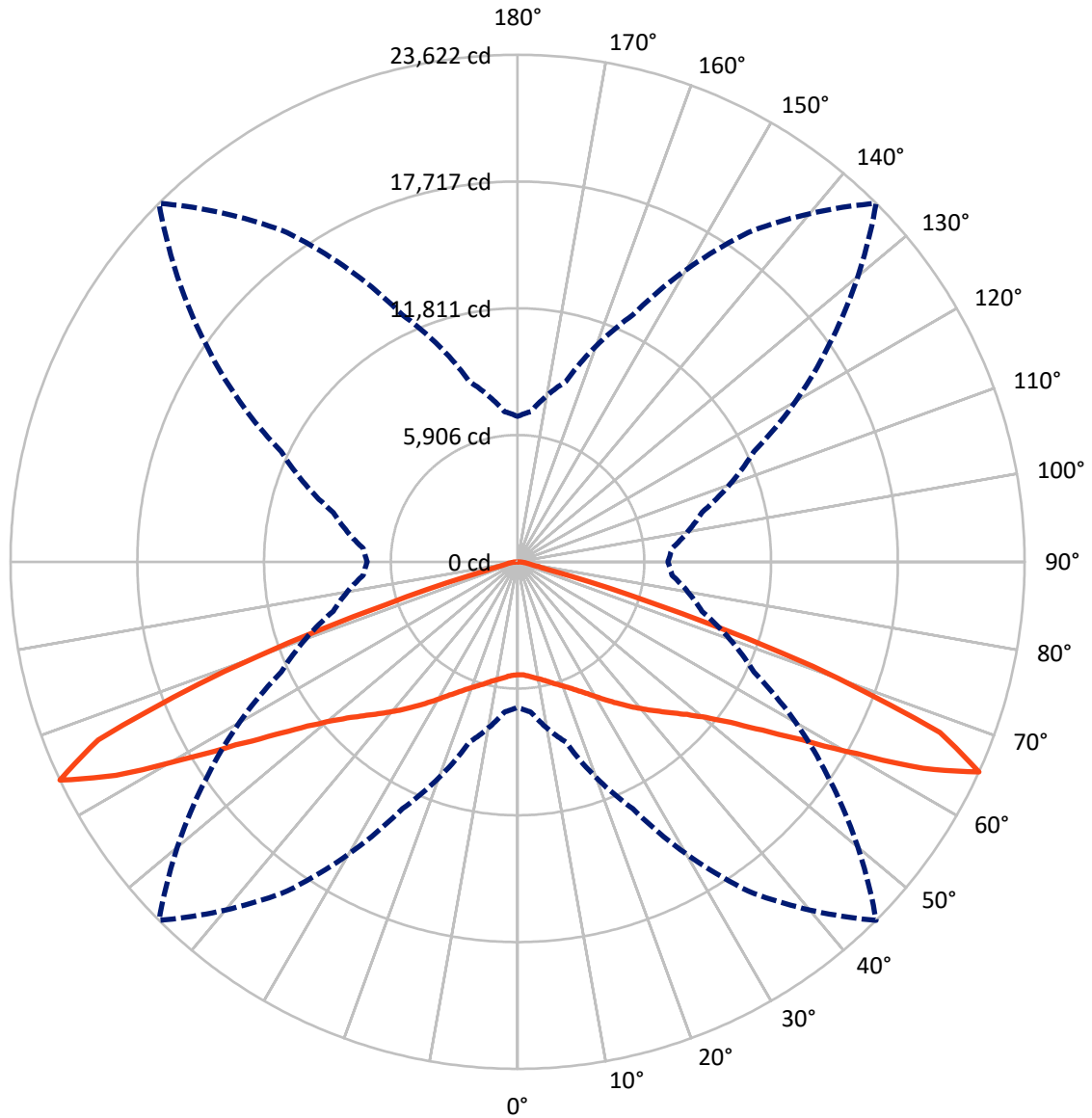
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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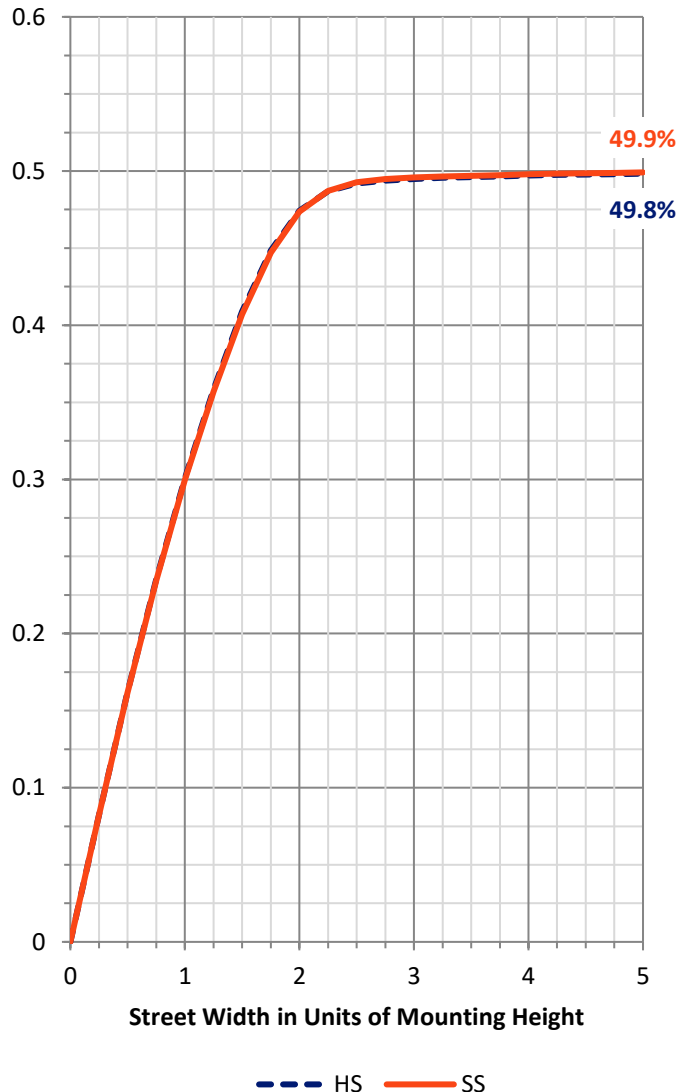
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21797.0	0.0	21797.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21797.0	0.0	21797.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43594.0	0.0	43594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.5	1.2
10°-20°	1660.2	3.8
20°-30°	3114.9	7.1
30°-40°	5151.4	11.8
40°-50°	7978.9	18.3
50°-60°	12237.4	28.1
60°-70°	11418.9	26.2
70°-80°	1329.0	3.0
80°-90°	186.8	0.4
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°	43594.0	100.0
0°-180°	43594.0	100.0

Coefficient of Utilization



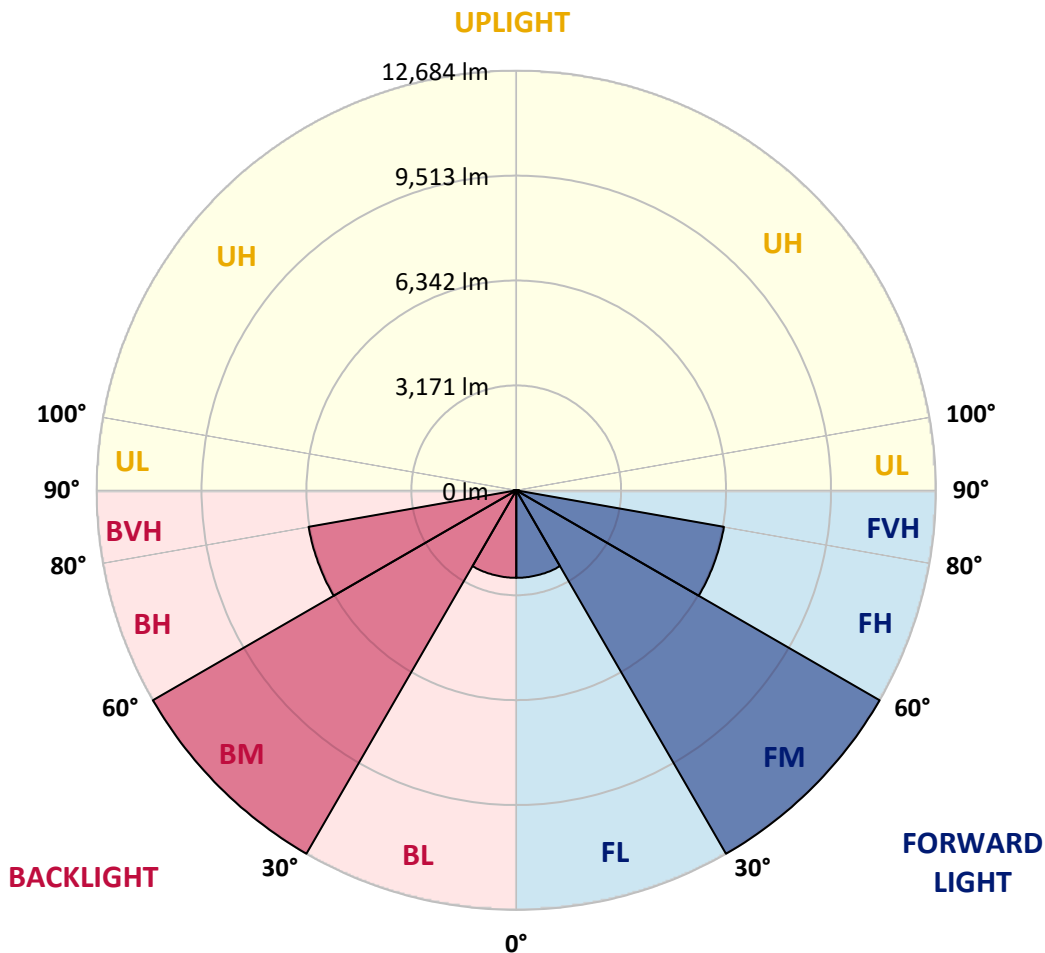
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2645.8	6.1			
FM (30°-60°)	12683.9	29.1			
FH (60°-80°)	6373.9	14.6			G3/7500
FVH (80°-90°)	93.4	0.2			G1/100
BL (0°-30°)	2645.8	6.1	B4/5000		
BM (30°-60°)	12683.9	29.1	B5		
BH (60°-80°)	6373.9	14.6	B5		G3/7500
BVH (80°-90°)	93.4	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5264.5	5264.5	5264.5	5264.5	5264.5	5264.5	5264.5	5264.5	5264.5	5264.5	5264.5
2.5°	5281.9	5279.0	5281.9	5283.3	5274.7	5279.0	5277.6	5284.8	5287.7	5284.8	5284.8
5°	5342.7	5338.3	5344.1	5351.4	5339.8	5342.7	5338.3	5347.0	5349.9	5344.1	5348.5
7.5°	5426.6	5428.0	5433.8	5446.9	5439.6	5445.4	5436.7	5438.2	5436.7	5428.0	5429.5
10°	5517.8	5519.2	5529.3	5546.7	5549.6	5549.6	5543.8	5539.5	5533.7	5527.9	5529.3
12.5°	5627.7	5635.0	5642.2	5663.9	5663.9	5675.5	5672.6	5661.0	5650.9	5642.2	5642.2
15°	5776.8	5775.4	5784.0	5805.7	5815.9	5834.7	5834.7	5818.8	5805.7	5797.1	5794.2
17.5°	5933.1	5937.4	5943.2	5969.3	5985.2	6006.9	6009.8	5996.8	5988.1	5976.5	5969.3
20°	6115.4	6122.7	6145.8	6155.9	6170.4	6190.7	6197.9	6195.0	6186.3	6180.5	6182.0
22.5°	6328.1	6347.0	6361.4	6375.9	6393.3	6407.7	6415.0	6425.1	6416.4	6412.1	6409.2
25°	6585.7	6598.7	6627.7	6653.7	6665.3	6669.7	6678.3	6692.8	6691.4	6681.2	6681.2
27.5°	6878.0	6902.6	6938.8	6976.4	6976.4	6962.0	6990.9	7015.5	7006.8	6993.8	6976.4
30°	7232.6	7255.7	7297.7	7349.8	7323.7	7313.6	7352.7	7397.5	7384.5	7362.8	7359.9
32.5°	7614.6	7636.3	7691.3	7747.7	7714.5	7700.0	7742.0	7807.1	7783.9	7740.5	7714.5
35°	8028.5	8050.2	8128.3	8196.3	8139.9	8115.3	8150.0	8220.9	8180.4	8099.4	8079.1
37.5°	8478.5	8490.1	8591.4	8660.9	8621.8	8556.7	8600.1	8652.2	8617.4	8519.0	8480.0
40°	8945.9	8987.9	9105.1	9186.2	9118.1	9015.4	9087.7	9160.1	9108.0	8982.1	8915.5
42.5°	9491.5	9523.3	9679.6	9752.0	9642.0	9497.3	9595.7	9694.1	9642.0	9520.4	9462.5
45°	10058.7	10108.0	10294.6	10367.0	10207.8	10024.0	10144.1	10316.3	10312.0	10136.9	10076.1
47.5°	10676.7	10725.9	10948.7	11044.2	10872.0	10626.0	10795.3	11038.4	11021.1	10828.6	10779.4
50°	11390.1	11442.2	11720.0	11840.1	11679.5	11393.0	11647.7	11861.8	11830.0	11592.7	11597.0
52.5°	12285.8	12282.9	12628.8	12837.2	12672.2	12419.0	12653.4	12861.8	12730.1	12401.6	12391.5
55°	13070.2	13117.9	13546.2	13941.3	13931.2	13834.2	13928.3	13937.0	13560.7	13123.7	13070.2
57.5°	13585.3	13676.5	14279.9	14994.8	15530.2	15659.0	15476.7	14923.9	14042.6	13343.7	13258.3
60°	13268.4	13407.3	14355.2	15812.4	17389.7	18146.6	17117.7	15402.9	13667.8	12693.9	12578.1
62.5°	11129.6	11364.0	12751.8	15417.3	18990.2	21202.8	18307.2	14634.5	12177.3	10835.8	10637.6
65°	6778.2	7025.6	8698.5	12689.6	18731.2	23622.4	17764.5	12146.9	8888.1	7219.6	7005.4
67.5°	2258.9	2331.3	3316.7	7014.1	14721.3	21224.5	14745.9	7271.6	3868.1	2564.3	2489.0
70°	884.2	891.4	1052.0	2033.2	6951.8	14578.0	7671.0	2069.3	1099.8	869.7	888.5
72.5°	649.7	652.6	697.5	849.4	1811.8	6422.2	1876.9	853.8	678.7	609.2	609.2
75°	522.4	522.4	554.2	619.4	811.8	1473.1	823.4	612.1	531.1	486.2	480.4
77.5°	412.4	421.1	445.7	487.7	549.9	709.1	570.2	484.8	428.3	386.4	377.7
80°	306.8	315.5	356.0	376.2	395.1	492.0	421.1	379.1	338.6	289.4	280.7
82.5°	201.1	209.8	260.5	272.1	267.7	321.3	283.6	279.3	248.9	186.7	178.0
85°	131.7	134.6	173.7	180.9	166.4	146.2	180.9	191.0	173.7	121.6	117.2
87.5°	62.2	62.2	88.3	82.5	75.2	60.8	82.5	97.0	98.4	59.3	57.9
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)