

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: P533084

Luminaire Tested: **GLAN-SA8C-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-730-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45635 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 429
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

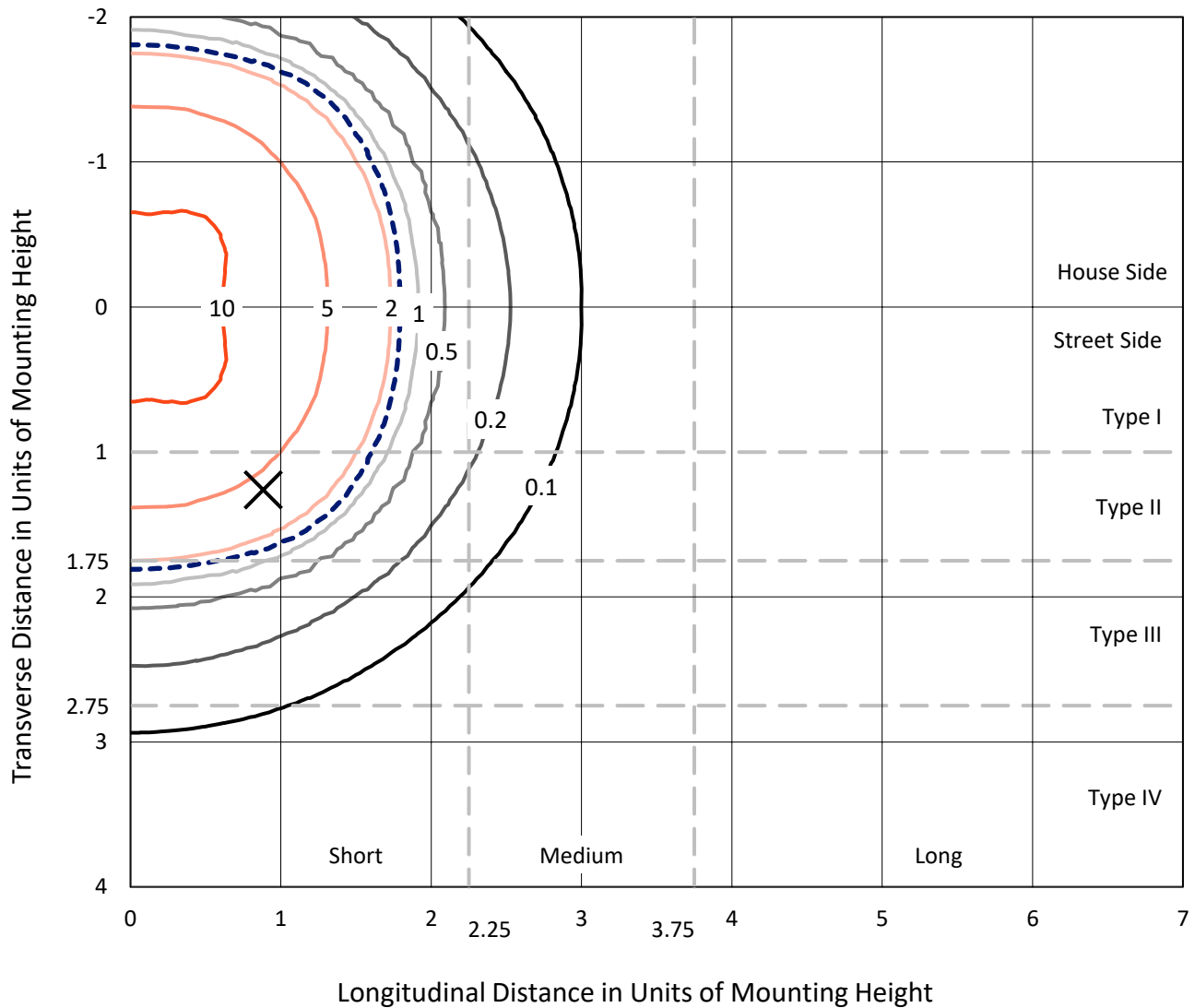


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

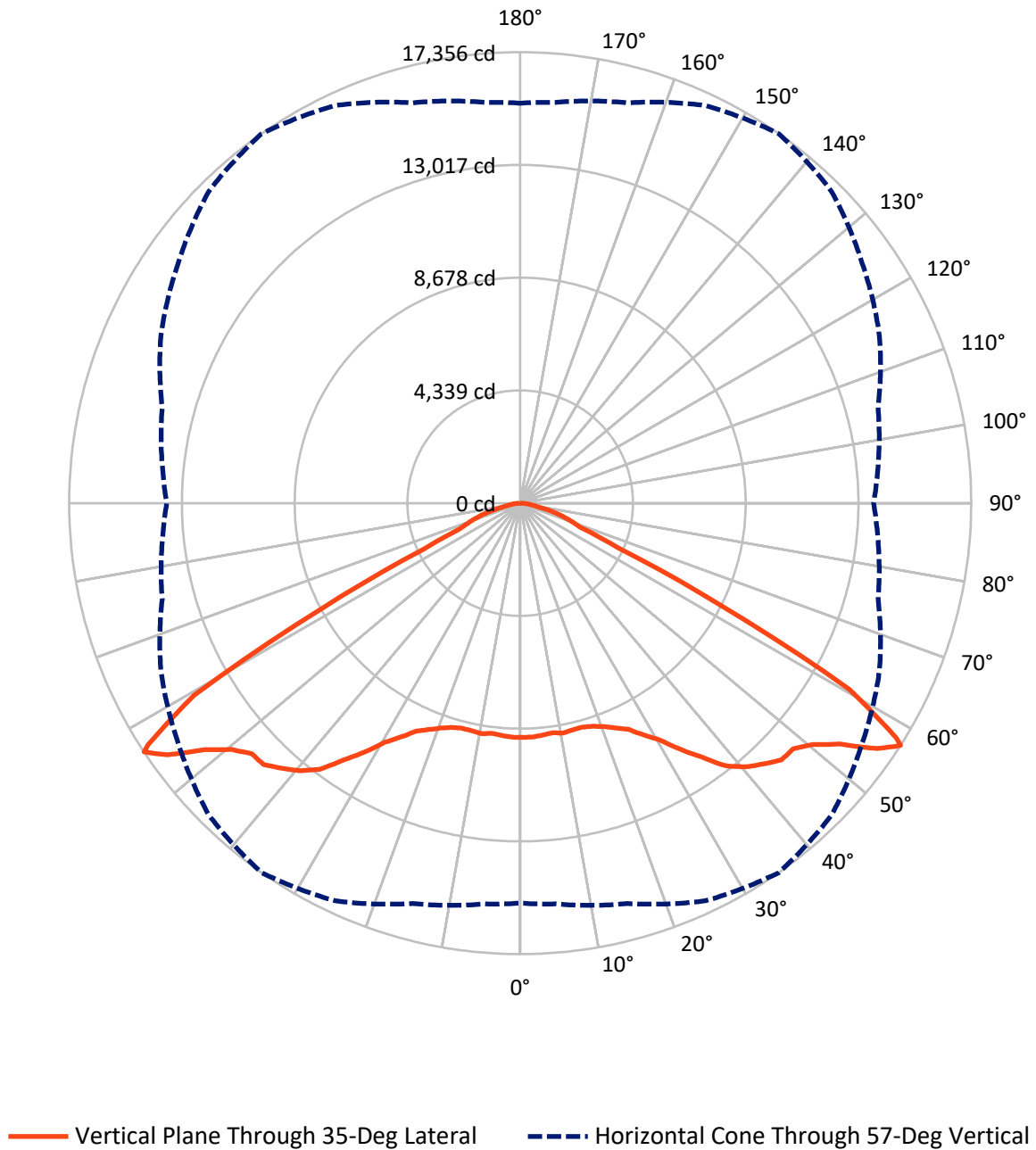


Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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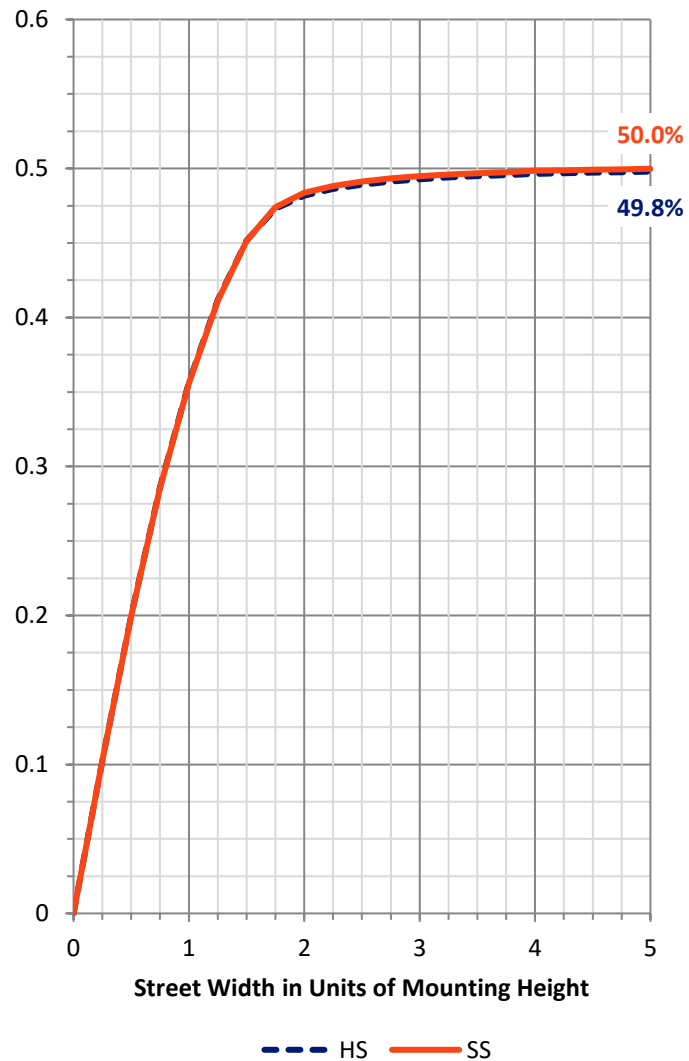
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22817.5	0.0	22817.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22817.5	0.0	22817.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45635.0	0.0	45635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.4	1.9
10°-20°	2530.6	5.5
20°-30°	4419.6	9.7
30°-40°	7241.6	15.9
40°-50°	10618.0	23.3
50°-60°	13374.2	29.3
60°-70°	5029.9	11.0
70°-80°	1337.4	2.9
80°-90°	229.3	0.5
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°	45635.0	100.0
0°-180°	45635.0	100.0

Coefficient of Utilization



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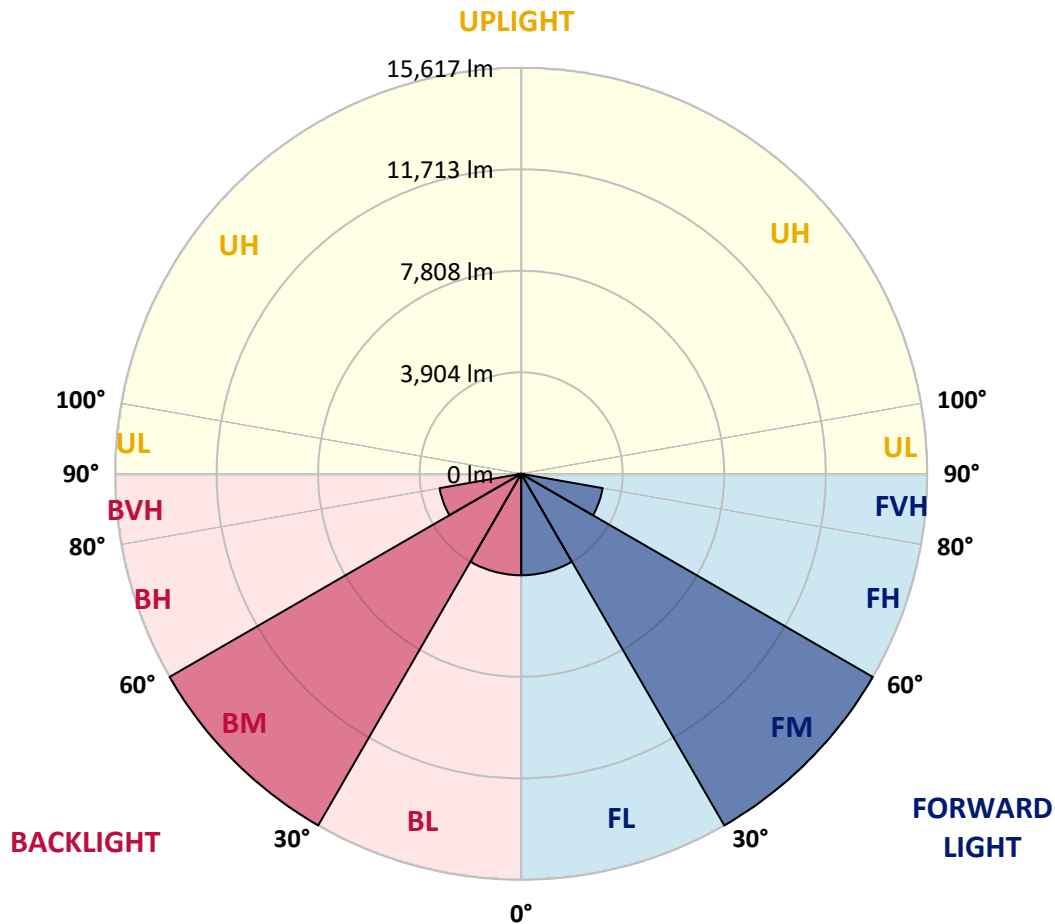
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3902.3	8.6			
FM	(30°-60°)	15616.9	34.2			
FH	(60°-80°)	3183.7	7.0			G2/5000
FVH	(80°-90°)	114.7	0.3			G2/225
BL	(0°-30°)	3902.3	8.6	B4/5000		
BM	(30°-60°)	15616.9	34.2	B5		
BH	(60°-80°)	3183.7	7.0	B4/5000		G2/5000
BVH	(80°-90°)	114.7	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9012.6	9012.6	9012.6	9012.6	9012.6	9012.6	9012.6	9012.6	9012.6	9012.6	9012.6
2.5°	8967.6	9057.6	9018.2	8995.7	9012.6	8984.5	8939.5	8990.1	8978.8	8933.9	8917.0
5°	8945.1	9012.6	8967.6	9012.6	8967.6	9046.3	9023.8	8939.5	9040.7	8945.1	8978.8
7.5°	8928.2	8950.7	8962.0	8939.5	8922.6	9018.2	8967.6	8928.2	8872.0	8855.2	8883.3
10°	8888.9	8945.1	8860.8	8973.2	8995.7	8928.2	8928.2	8855.2	8810.2	8782.1	8877.6
12.5°	8990.1	8894.5	8883.3	8939.5	8956.4	8984.5	8905.8	8866.4	8782.1	8793.3	8776.4
15°	8872.0	8911.4	8917.0	8928.2	8945.1	9012.6	8939.5	8855.2	8821.4	8703.3	8714.6
17.5°	8917.0	8877.6	8917.0	9046.3	9023.8	9074.4	8995.7	8866.4	8787.7	8720.2	8810.2
20°	8995.7	8978.8	8995.7	9153.1	9181.2	9226.2	9158.8	9040.7	8888.9	8810.2	8855.2
22.5°	9080.0	9068.8	9080.0	9231.8	9394.9	9451.1	9383.6	9108.2	9029.4	8883.3	8832.7
25°	9231.8	9243.1	9361.2	9529.8	9636.7	9743.5	9619.8	9423.0	9170.0	9080.0	8973.2
27.5°	9569.2	9597.3	9664.8	9912.1	10097.7	10193.3	10019.0	9749.1	9591.7	9406.1	9378.0
30°	9985.2	9985.2	10103.3	10317.0	10570.0	10716.1	10502.5	10182.0	9990.9	9889.7	9827.8
32.5°	10536.2	10474.4	10519.4	10896.1	11289.6	11413.3	11126.6	10733.0	10429.4	10294.5	10249.5
35°	11008.5	11047.9	11149.1	11553.9	11992.4	12279.1	11829.4	11317.7	11008.5	10884.8	10862.3
37.5°	11621.3	11688.8	11739.4	12296.0	12824.5	12931.3	12498.4	12088.0	11711.3	11610.1	11553.9
40°	12487.2	12442.2	12459.1	12869.5	13347.4	13414.9	12987.6	12695.2	12386.0	12324.1	12324.1
42.5°	13201.2	13150.6	13206.8	13358.6	13724.1	13673.5	13437.3	13223.7	13094.4	13026.9	13094.4
45°	13634.1	13622.9	13724.1	13836.5	14095.2	13926.5	13740.9	13774.7	13651.0	13538.5	13532.9
47.5°	14106.4	14033.3	14157.0	14325.7	14128.9	14050.2	14038.9	14112.0	14072.7	13875.9	13814.0
50°	14336.9	14308.8	14505.6	14702.4	14595.5	14415.6	14455.0	14573.0	14067.0	13802.8	13651.0
52.5°	14955.4	14961.0	15337.7	15444.5	15399.5	15135.3	15219.6	14899.1	14303.2	13932.1	13949.0
55°	15928.0	15888.7	16310.3	16625.2	16675.8	16338.5	15933.7	15483.9	14736.1	14359.4	14247.0
57°	15393.9	15483.9	15950.5	16883.8	17356.1	16956.9	16074.2	15253.3	14258.2	13802.8	13600.4
57.5°	14679.9	14826.1	15635.7	16574.6	17069.4	17035.6	15899.9	14826.1	13937.7	13229.3	13246.2
60°	10755.5	10783.6	11514.5	13004.4	14550.6	14584.3	13201.2	11778.8	10789.2	10019.0	10125.8
62.5°	5672.9	5802.2	6094.6	7292.1	8630.3	8956.4	8118.6	7387.7	6533.1	5948.4	6004.6
65°	3002.3	2985.5	3126.0	3463.3	4121.2	4289.8	4177.4	3598.3	3300.3	3204.7	3210.3
67.5°	2440.1	2468.2	2451.3	2468.2	2513.2	2586.3	2569.4	2591.9	2608.8	2636.9	2631.2
70°	2069.0	2069.0	2080.3	2085.9	2085.9	2119.6	2159.0	2232.1	2237.7	2265.8	2277.0
72.5°	1630.5	1619.2	1636.1	1675.5	1681.1	1709.2	1765.4	1810.4	1827.3	1827.3	1793.5
75°	1107.6	1118.8	1141.3	1175.1	1208.8	1259.4	1304.4	1332.5	1343.7	1326.9	1310.0
77.5°	624.1	635.3	652.2	702.8	742.1	787.1	837.7	865.8	893.9	899.6	865.8
80°	371.1	371.1	399.2	438.5	483.5	528.5	573.5	607.2	618.5	618.5	601.6
82.5°	224.9	230.5	253.0	292.4	331.7	359.8	399.2	427.3	449.8	444.2	432.9
85°	118.1	118.1	140.6	174.3	202.4	230.5	230.5	213.6	202.4	174.3	163.0
87.5°	39.4	33.7	45.0	45.0	39.4	45.0	45.0	50.6	50.6	50.6	50.6
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)