

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: P317202

Luminaire Tested: **GAN-SA8B-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46816 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 334
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



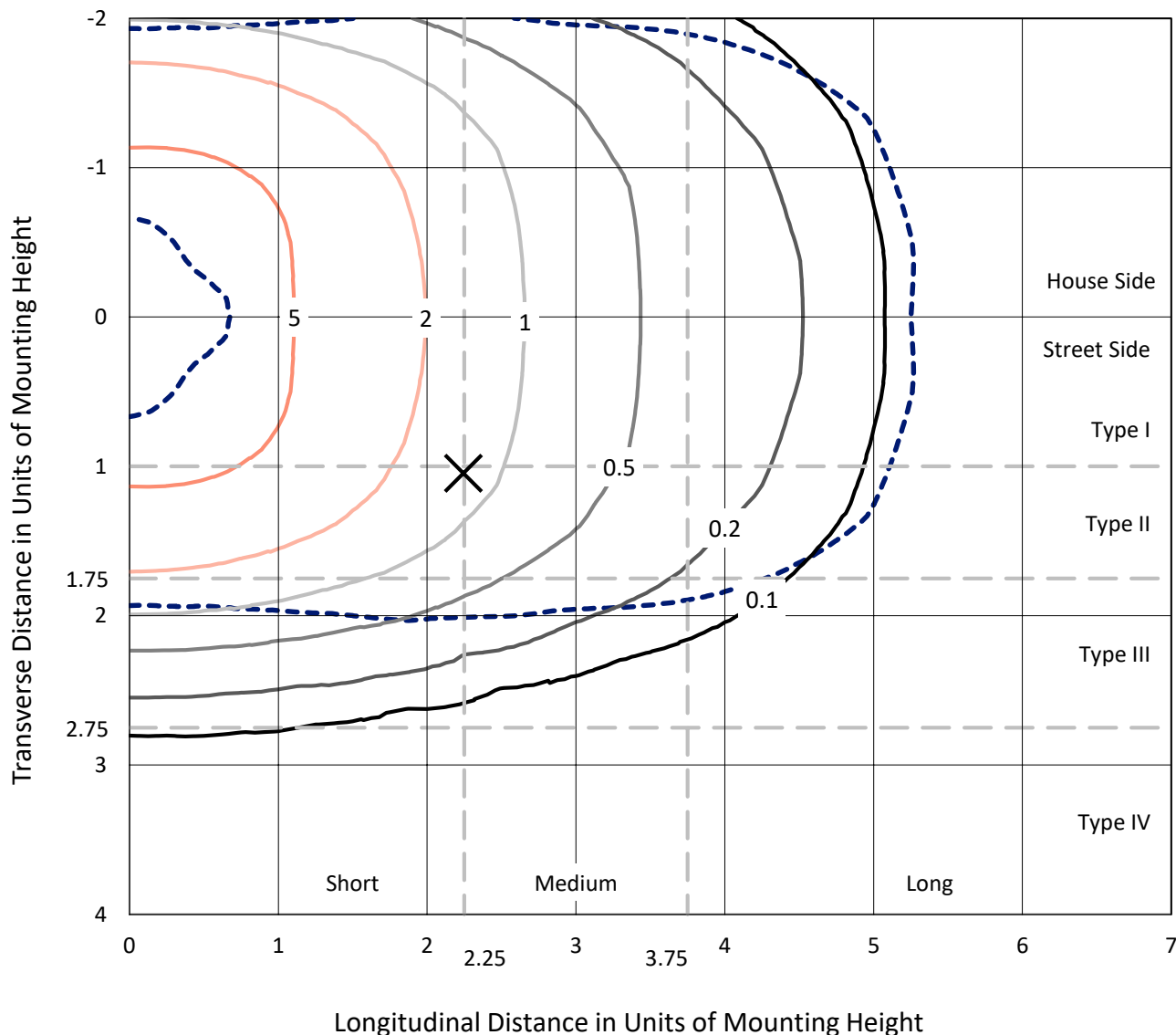
REPORT NUMBER: P317202

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

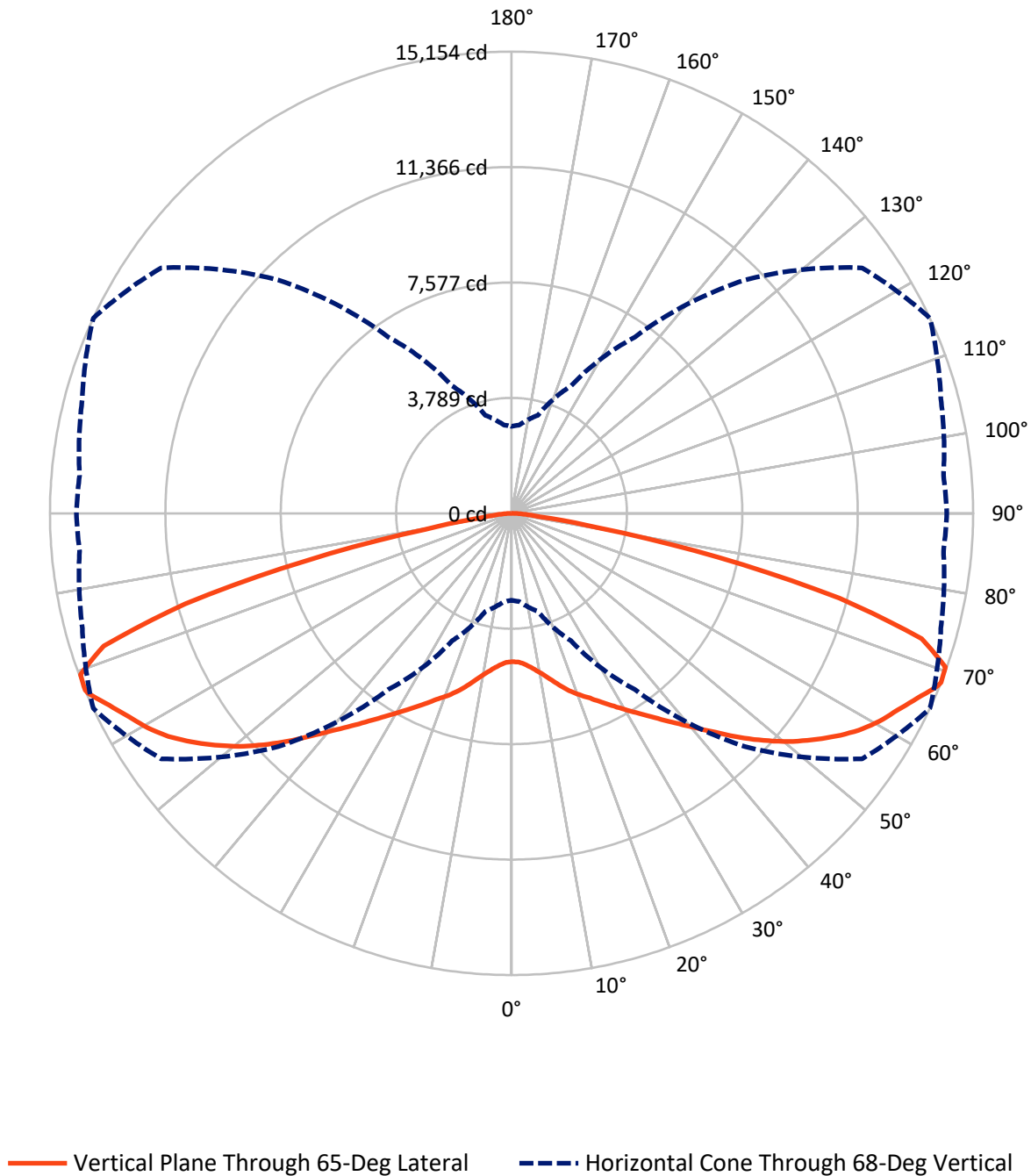


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc

Type III - Short - N/A

REPORT NUMBER: P317202
CATALOG NUMBER: GAN-SA8B-760-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23408.0	0.0	23408.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23408.0	0.0	23408.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46816.0	0.0	46816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.6	1.0
10°-20°	1595.8	3.4
20°-30°	3111.4	6.6
30°-40°	5227.0	11.2
40°-50°	8235.8	17.6
50°-60°	11014.1	23.5
60°-70°	10707.0	22.9
70°-80°	5853.0	12.5
80°-90°	595.3	1.3
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°	46816.0	100.0
0°-180°	46816.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317202

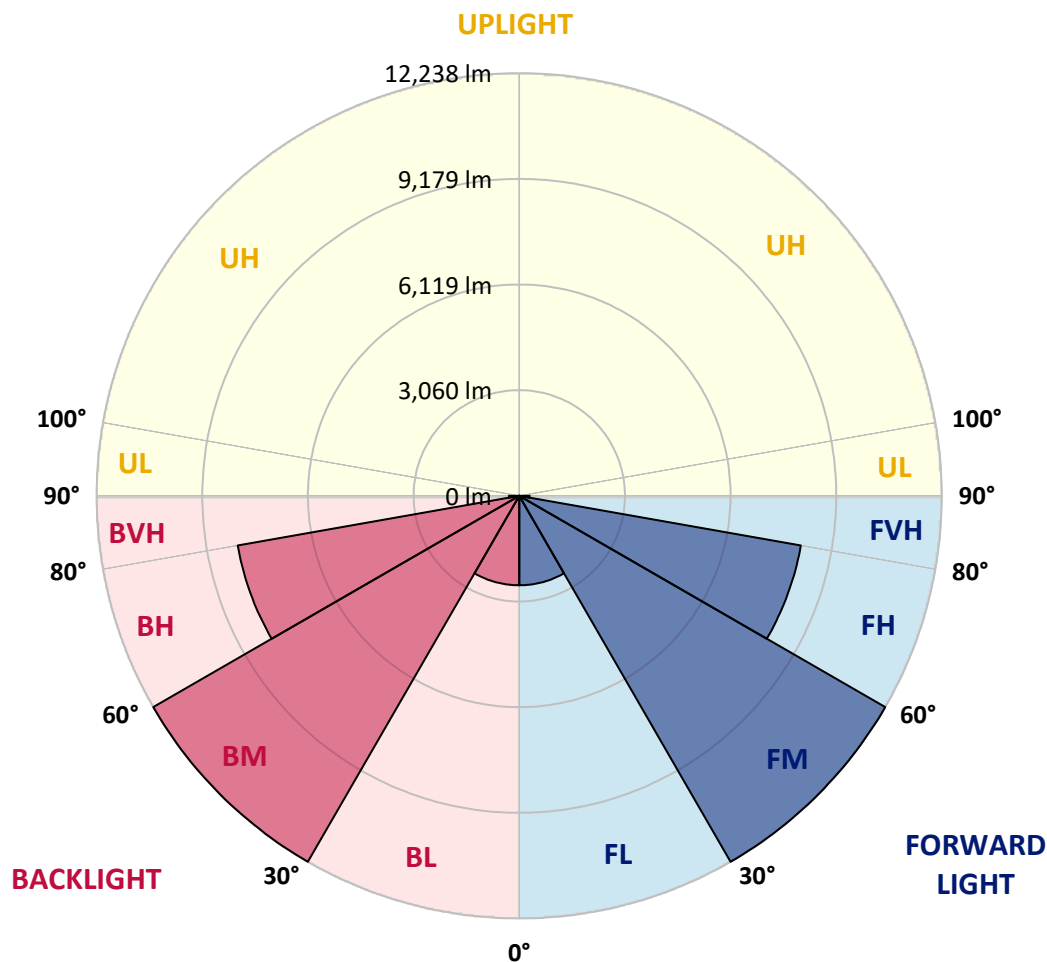
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2591.9	5.5			
FM	(30°-60°)	12238.4	26.1			
FH	(60°-80°)	8280.0	17.7			G4/12000
FVH	(80°-90°)	297.6	0.6			G3/500
BL	(0°-30°)	2591.9	5.5	B4/5000		
BM	(30°-60°)	12238.4	26.1	B5		
BH	(60°-80°)	8280.0	17.7	B5		G5
BVH	(80°-90°)	297.6	0.6			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8	4867.8
2.5°	4833.2	4834.8	4842.6	4852.1	4859.9	4880.3	4885.0	4892.9	4896.0	4903.9	4903.9
5°	4790.8	4794.0	4812.8	4837.9	4866.2	4916.4	4952.5	4993.3	5013.7	5035.7	5034.2
7.5°	4786.1	4794.0	4820.7	4861.5	4908.6	4991.8	5067.1	5148.7	5203.7	5253.9	5250.8
10°	4834.8	4847.4	4885.0	4946.2	5016.9	5120.5	5231.9	5341.8	5437.6	5514.5	5517.6
12.5°	4908.6	4924.3	4983.9	5076.5	5183.3	5316.7	5448.6	5572.6	5704.4	5819.0	5828.4
15°	5005.9	5026.3	5115.8	5253.9	5417.2	5575.7	5717.0	5844.1	5996.4	6154.9	6170.6
17.5°	5150.3	5178.6	5296.3	5483.1	5698.2	5872.4	6020.0	6115.7	6242.9	6406.1	6435.9
20°	5370.1	5406.2	5555.3	5778.2	6040.4	6222.4	6335.5	6355.9	6418.7	6564.7	6599.2
22.5°	5655.8	5687.2	5853.6	6118.8	6412.4	6610.2	6669.8	6588.2	6581.9	6699.6	6732.6
25°	5974.4	6002.7	6195.8	6494.0	6809.5	7027.7	7026.2	6867.6	6757.7	6848.8	6883.3
27.5°	6332.3	6376.3	6561.5	6875.5	7213.0	7428.0	7415.4	7170.6	6961.8	6985.3	7015.2
30°	6743.6	6792.3	6972.8	7291.4	7628.9	7839.3	7823.6	7500.2	7186.3	7123.5	7145.5
32.5°	7253.8	7311.8	7482.9	7796.9	8095.1	8285.1	8239.6	7858.1	7456.3	7319.7	7340.1
35°	7867.5	7902.1	8082.6	8391.8	8633.6	8763.9	8668.1	8272.5	7798.5	7633.6	7633.6
37.5°	8489.2	8515.8	8718.3	9018.2	9252.0	9321.1	9134.3	8726.2	8245.8	8012.0	8016.7
40°	9085.7	9157.9	9385.5	9693.1	9923.9	9942.7	9694.7	9244.2	8743.4	8501.7	8530.0
42.5°	9708.8	9779.5	10051.0	10399.5	10603.6	10635.0	10344.6	9825.0	9305.4	9109.2	9140.6
45°	10264.5	10321.0	10635.0	11040.0	11294.3	11375.9	11032.1	10490.6	9912.9	9721.4	9729.2
47.5°	10652.3	10726.0	11071.4	11548.6	11919.0	12044.6	11707.1	11138.9	10511.0	10278.7	10299.1
50°	11003.9	11043.1	11393.2	11914.3	12385.2	12644.3	12355.4	11779.3	11115.3	10868.9	10890.9
52.5°	11200.1	11250.3	11589.4	12132.5	12689.8	13107.3	12931.5	12355.4	11699.3	11459.1	11485.8
55°	11063.5	11101.2	11507.8	12181.2	12878.1	13393.0	13419.7	12919.0	12272.2	12061.9	12137.2
57.5°	10441.9	10489.0	10985.0	11867.2	12901.7	13586.1	13787.0	13441.7	12807.5	12636.4	12680.4
60°	9470.2	9500.1	10029.1	11021.1	12443.3	13666.2	14020.9	13868.6	13331.8	13160.7	13220.3
62.5°	7738.8	7782.8	8415.4	9744.9	11474.8	13429.1	14247.0	14221.8	13820.0	13663.0	13716.4
65°	5290.0	5366.9	6067.0	7748.2	9982.0	12703.9	14452.6	14633.1	14251.7	14053.9	14124.5
67.5°	3194.4	3250.9	3758.0	5115.8	7638.4	11240.9	14240.7	15100.9	14556.2	14237.5	14295.6
68°	2855.4	2907.2	3331.0	4616.6	7065.4	10828.1	14047.6	15154.3	14589.2	14234.4	14286.2
70°	1725.1	1759.7	2043.8	2853.8	4710.8	8589.6	12730.6	15110.3	14799.5	14278.4	14308.2
72.5°	1123.9	1134.9	1182.0	1464.6	2406.4	4803.4	9555.0	14080.6	15115.0	14534.2	14529.5
75°	934.0	927.7	932.4	965.4	1186.7	2106.6	5583.6	11123.2	14408.6	14130.8	14031.9
77.5°	789.6	784.9	783.3	784.9	794.3	1017.2	2423.7	6928.8	11025.9	12499.8	12587.7
80°	638.9	632.6	653.0	643.6	615.3	632.6	1015.6	2882.0	5197.4	5591.4	5239.8
82.5°	464.6	441.1	529.0	503.9	480.3	445.8	560.4	930.9	1240.1	850.8	598.1
85°	357.9	332.8	401.9	386.2	329.6	227.6	332.8	455.2	502.3	287.3	226.0
87.5°	146.0	153.8	290.4	229.2	193.1	109.9	136.6	182.1	244.9	122.4	94.2
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)