

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: P316841

Luminaire Tested: **GAN-SA7B-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316841
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-SA7B-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41693 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

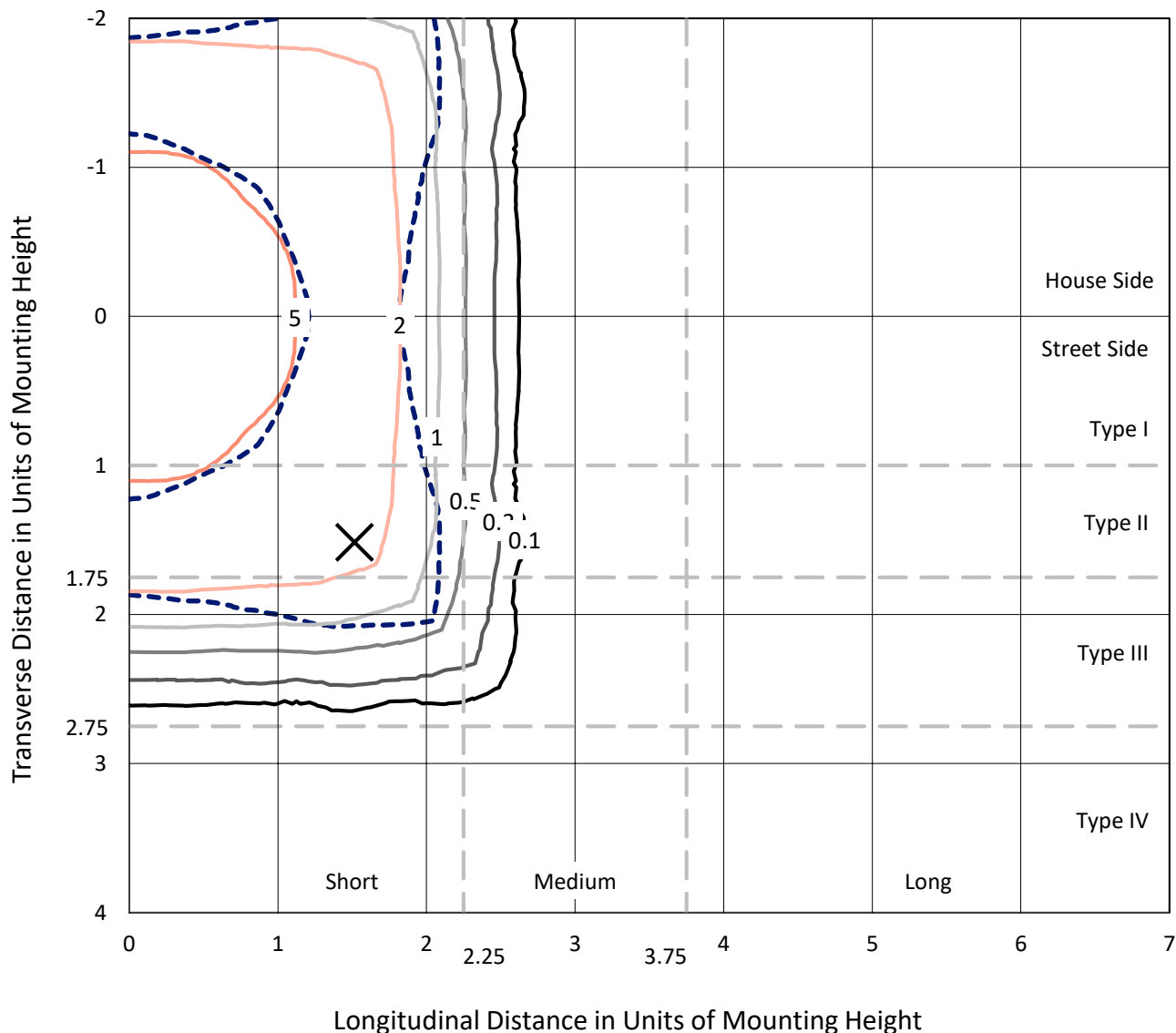
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

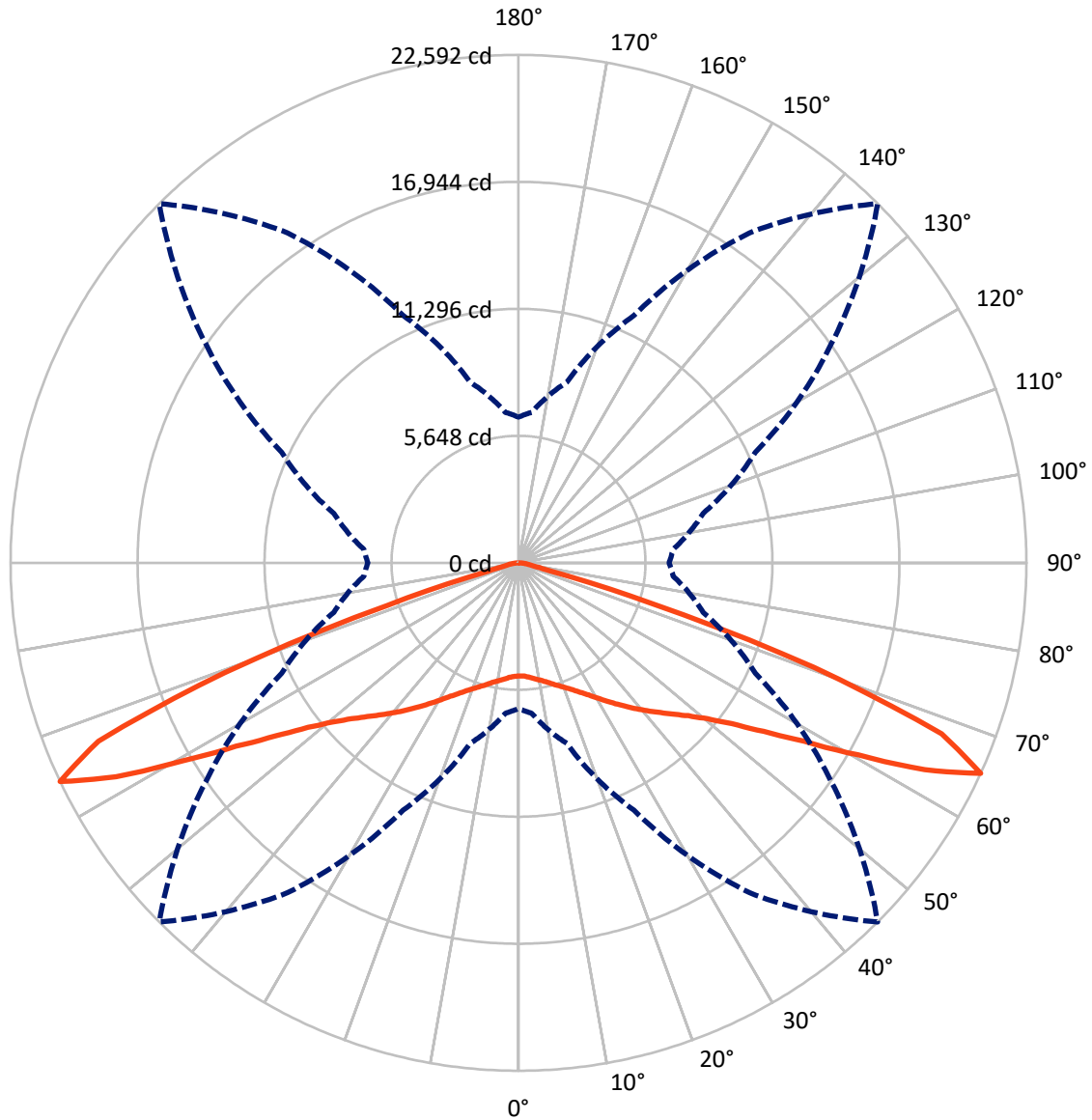
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	20846.5	0.0	20846.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20846.5	0.0	20846.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41693.0	0.0	41693.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.0	1.2
10°-20°	1587.8	3.8
20°-30°	2979.1	7.1
30°-40°	4926.8	11.8
40°-50°	7631.0	18.3
50°-60°	11703.8	28.1
60°-70°	10920.9	26.2
70°-80°	1271.0	3.0
80°-90°	178.6	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°	41693.0	100.0
0°-180°	41693.0	100.0

Coefficient of Utilization



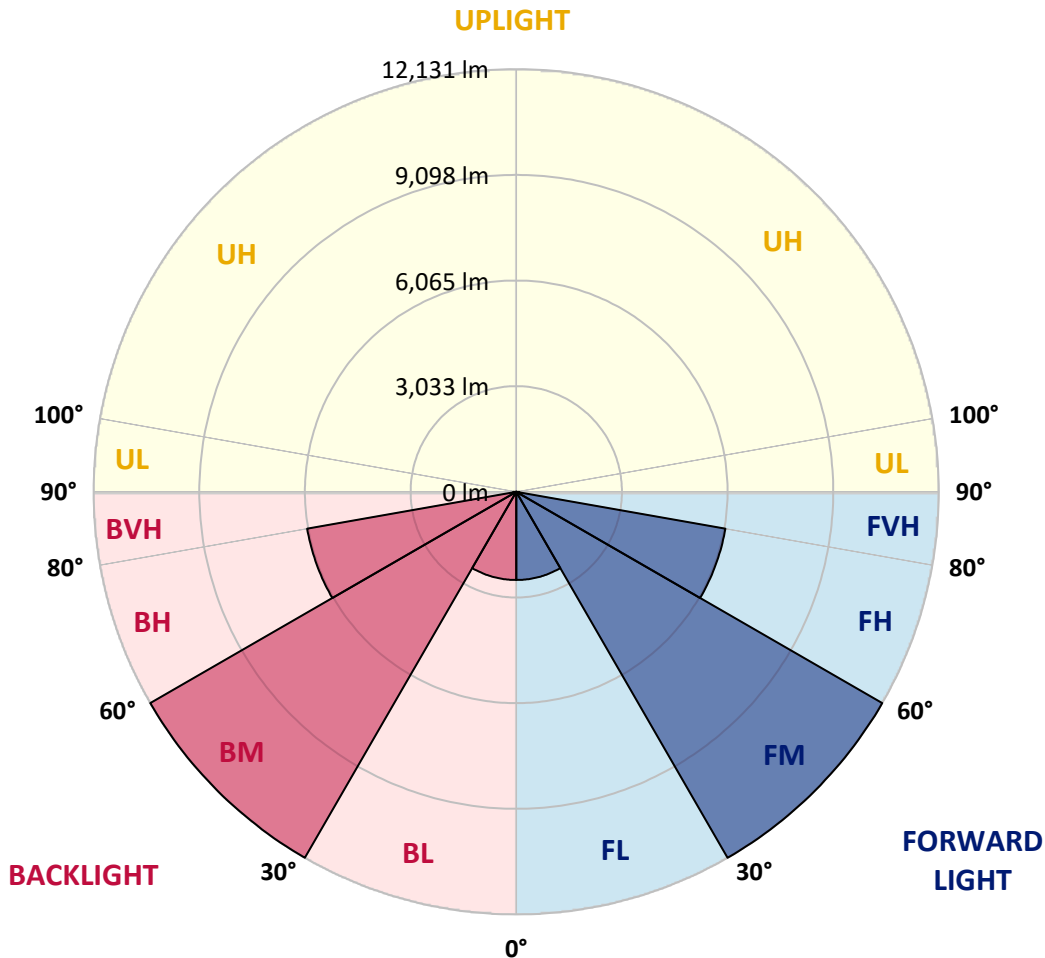
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2530.5	6.1			
FM (30°-60°)	12130.8	29.1			
FH (60°-80°)	6096.0	14.6			G3/7500
FVH (80°-90°)	89.3	0.2			G1/100
BL (0°-30°)	2530.5	6.1	B4/5000		
BM (30°-60°)	12130.8	29.1	B5		
BH (60°-80°)	6096.0	14.6	B5		G3/7500
BVH (80°-90°)	89.3	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°	5035.0	5035.0	5035.0	5035.0	5035.0	5035.0	5035.0	5035.0	5035.0	5035.0	5035.0
2.5°	5051.6	5048.8	5051.6	5052.9	5044.6	5048.8	5047.4	5054.3	5057.1	5054.3	5054.3
5°	5109.7	5105.5	5111.1	5118.0	5106.9	5109.7	5105.5	5113.8	5116.6	5111.1	5115.2
7.5°	5190.0	5191.3	5196.9	5209.3	5202.4	5208.0	5199.7	5201.0	5199.7	5191.3	5192.7
10°	5277.2	5278.5	5288.2	5304.8	5307.6	5307.6	5302.1	5297.9	5292.4	5286.8	5288.2
12.5°	5382.3	5389.3	5396.2	5416.9	5416.9	5428.0	5425.2	5414.2	5404.5	5396.2	5396.2
15°	5524.9	5523.5	5531.8	5552.6	5562.3	5580.3	5580.3	5565.0	5552.6	5544.3	5541.5
17.5°	5674.4	5678.5	5684.0	5709.0	5724.2	5744.9	5747.7	5735.3	5727.0	5715.9	5709.0
20°	5848.7	5855.7	5877.8	5887.5	5901.3	5920.7	5927.6	5924.9	5916.6	5911.0	5912.4
22.5°	6052.2	6070.2	6084.0	6097.9	6114.5	6128.3	6135.2	6144.9	6136.6	6132.5	6129.7
25°	6298.5	6311.0	6338.7	6363.6	6374.7	6378.8	6387.1	6401.0	6399.6	6389.9	6389.9
27.5°	6578.1	6601.6	6636.2	6672.2	6672.2	6658.4	6686.1	6709.6	6701.3	6688.8	6672.2
30°	6917.2	6939.3	6979.5	7029.3	7004.4	6994.7	7032.1	7075.0	7062.5	7041.7	7039.0
32.5°	7282.6	7303.3	7355.9	7409.9	7378.1	7364.2	7404.3	7466.6	7444.5	7403.0	7378.1
35°	7678.4	7699.1	7773.9	7838.9	7784.9	7761.4	7794.6	7862.5	7823.7	7746.2	7726.8
37.5°	8108.8	8119.9	8216.8	8283.2	8245.8	8183.5	8225.1	8274.9	8241.7	8147.6	8110.2
40°	8555.8	8596.0	8708.1	8785.6	8720.5	8622.3	8691.5	8760.7	8710.8	8590.4	8526.8
42.5°	9077.6	9108.0	9257.5	9326.7	9221.5	9083.1	9177.2	9271.4	9221.5	9105.3	9049.9
45°	9620.1	9667.2	9845.7	9914.9	9762.7	9586.9	9701.8	9866.5	9862.3	9694.9	9636.7
47.5°	10211.1	10258.1	10471.3	10562.6	10397.9	10162.6	10324.6	10557.1	10540.5	10356.4	10309.3
50°	10893.4	10943.2	11208.9	11323.8	11170.2	10896.2	11139.7	11344.6	11314.1	11087.1	11091.3
52.5°	11750.1	11747.3	12078.1	12277.4	12119.6	11877.4	12101.6	12300.9	12175.0	11860.8	11851.1
55°	12500.2	12545.9	12955.5	13333.4	13323.7	13230.9	13320.9	13329.2	12969.4	12551.4	12500.2
57.5°	12992.9	13080.1	13657.2	14340.9	14853.0	14976.2	14801.8	14273.1	13430.2	12761.8	12680.1
60°	12689.8	12822.7	13729.2	15122.9	16631.4	17355.2	16371.2	14731.2	13071.8	12140.4	12029.6
62.5°	10644.3	10868.5	12195.7	14745.0	18162.1	20278.2	17508.9	13996.3	11646.3	10363.3	10173.7
65°	6482.6	6719.3	8319.2	12136.2	17914.4	22592.3	16989.9	11617.2	8500.5	6904.7	6699.9
67.5°	2160.4	2229.6	3172.1	6708.2	14079.3	20299.0	14102.9	6954.6	3699.4	2452.4	2380.5
70°	845.6	852.5	1006.2	1944.5	6648.7	13942.3	7336.5	1979.1	1051.8	831.8	849.8
72.5°	621.4	624.2	667.1	812.4	1732.8	6142.2	1795.0	816.6	649.1	582.7	582.7
75°	499.6	499.6	530.1	592.3	776.4	1408.9	787.5	585.4	507.9	465.0	459.5
77.5°	394.4	402.7	426.3	466.4	525.9	678.2	545.3	463.6	409.7	369.5	361.2
80°	293.4	301.7	340.5	359.8	377.8	470.6	402.7	362.6	323.9	276.8	268.5
82.5°	192.4	200.7	249.1	260.2	256.0	307.2	271.3	267.1	238.0	178.5	170.2
85°	125.9	128.7	166.1	173.0	159.2	139.8	173.0	182.7	166.1	116.3	112.1
87.5°	59.5	59.5	84.4	78.9	72.0	58.1	78.9	92.7	94.1	56.7	55.4
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)