

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: P317221

Luminaire Tested: **GAN-SA7D-760-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317221
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-SA7D-760-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56099 lumens
Efficiency: N/A
Efficacy: 125.2 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): 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

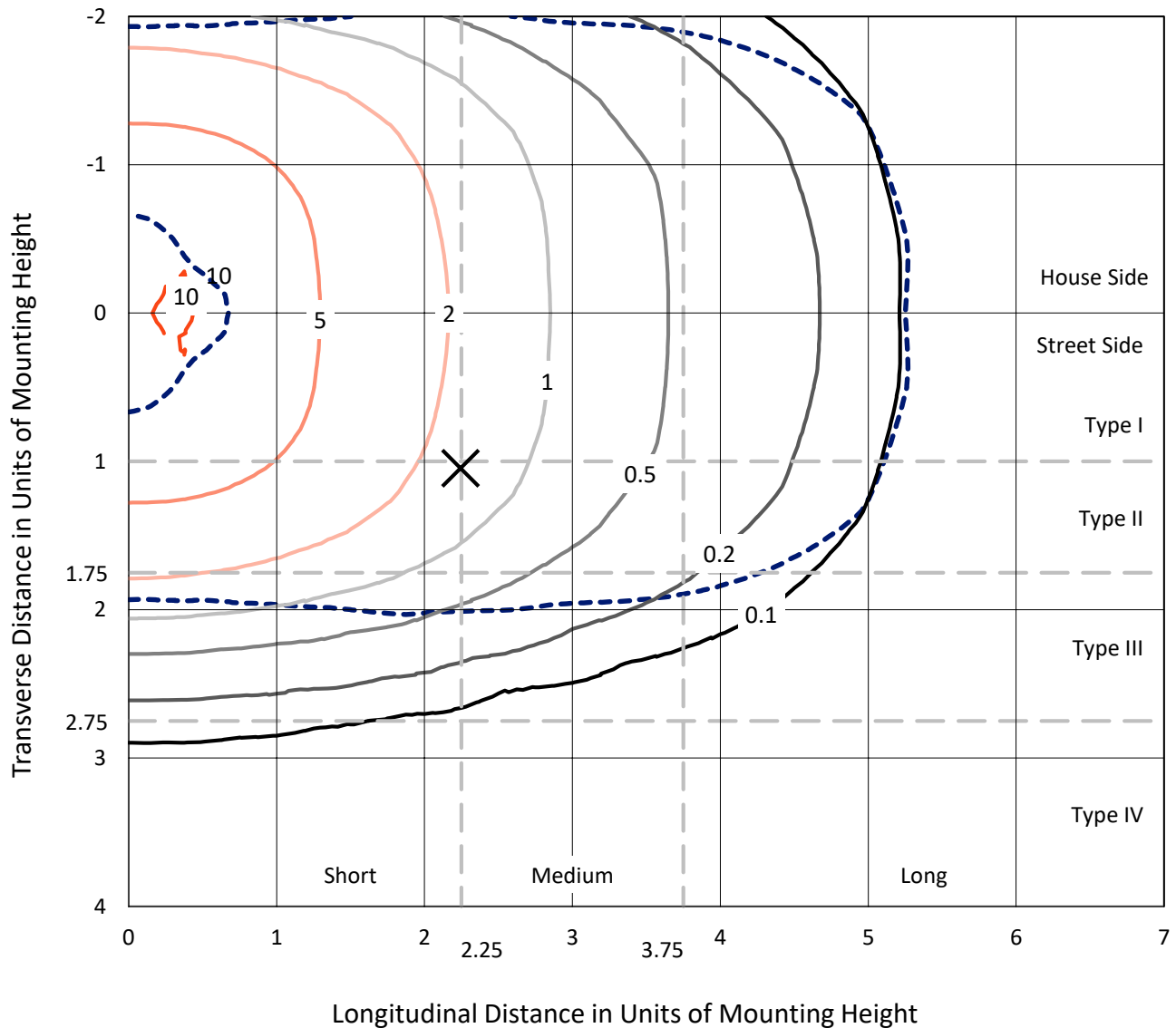


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Iso-Footcandle Lines of Horizontal Illumination

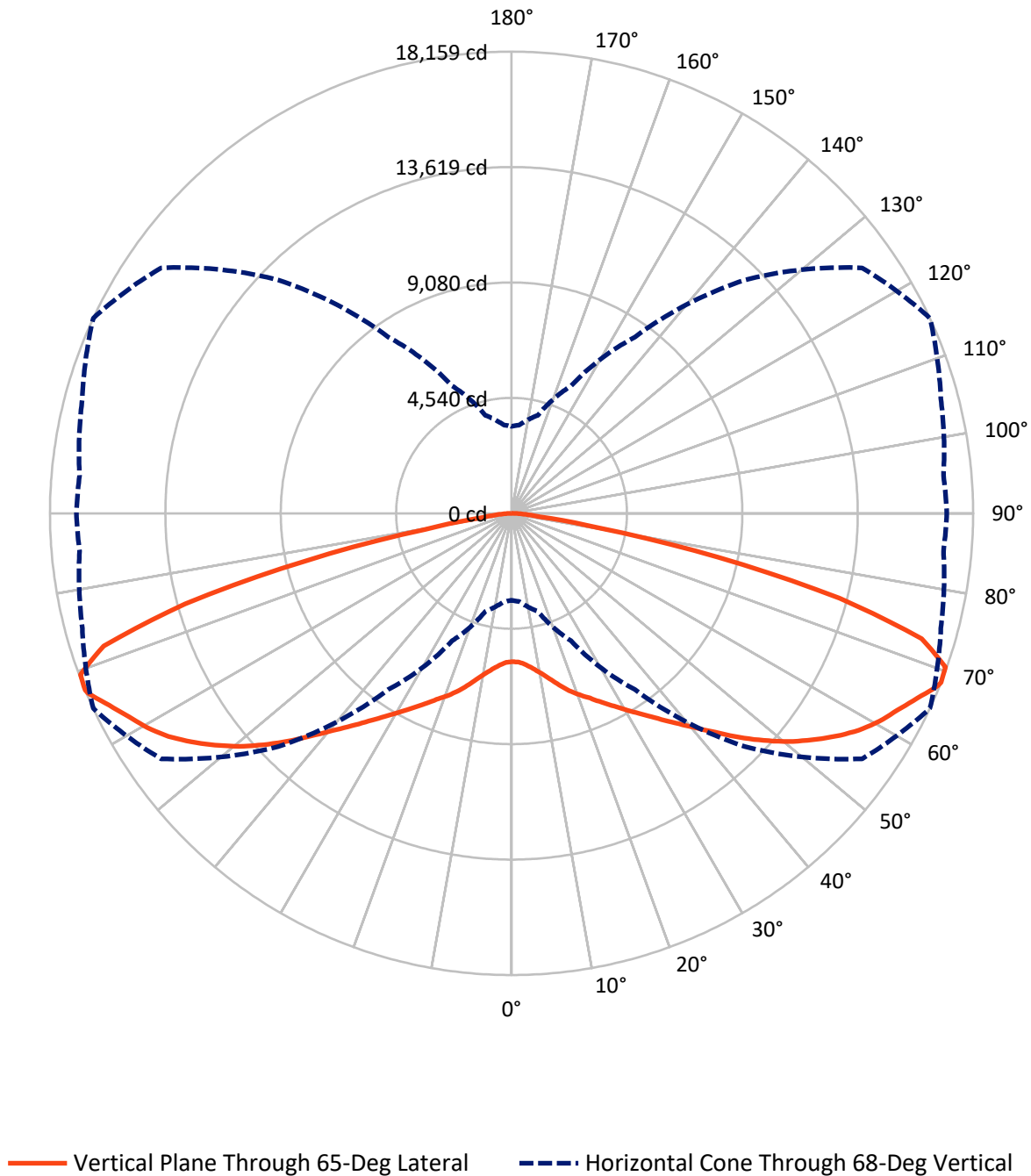
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28049.5	0.0	28049.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28049.5	0.0	28049.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	56099.0	0.0	56099.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.1	1.0
10°-20°	1912.2	3.4
20°-30°	3728.4	6.6
30°-40°	6263.4	11.2
40°-50°	9868.9	17.6
50°-60°	13198.0	23.5
60°-70°	12830.1	22.9
70°-80°	7013.6	12.5
80°-90°	713.3	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°	56099.0	100.0
0°-180°	56099.0	100.0

Coefficient of Utilization



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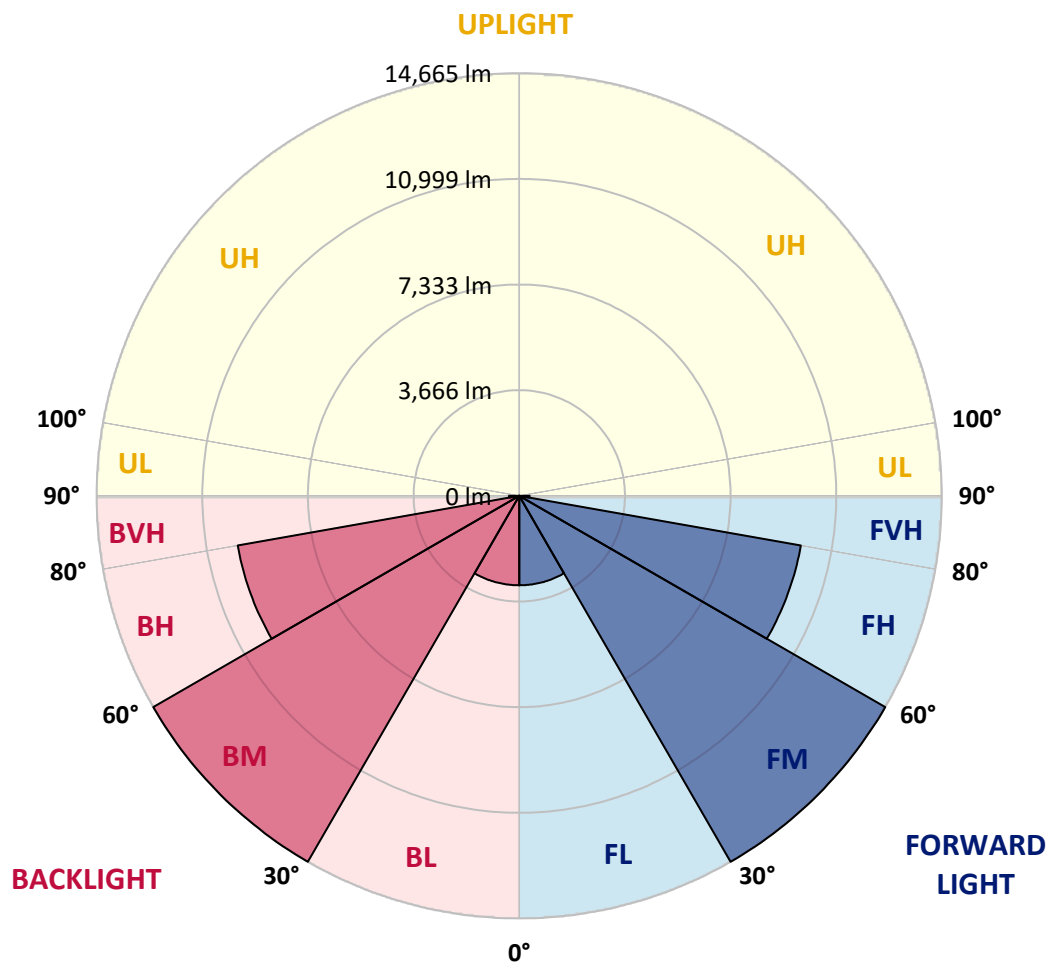
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3105.9	5.5			
FM	(30°-60°)	14665.2	26.1			
FH	(60°-80°)	9921.8	17.7			G4/12000
FVH	(80°-90°)	356.6	0.6			G3/500
BL	(0°-30°)	3105.9	5.5	B4/5000		
BM	(30°-60°)	14665.2	26.1	B5		
BH	(60°-80°)	9921.8	17.7	B5		G5
BVH	(80°-90°)	356.6	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°	5833.0	5833.0	5833.0	5833.0	5833.0	5833.0	5833.0	5833.0	5833.0	5833.0	5833.0
2.5°	5791.6	5793.5	5802.9	5814.2	5823.6	5848.0	5853.7	5863.1	5866.8	5876.2	5876.2
5°	5740.8	5744.6	5767.1	5797.2	5831.1	5891.3	5934.5	5983.5	6007.9	6034.2	6032.4
7.5°	5735.2	5744.6	5776.5	5825.5	5881.9	5981.6	6071.9	6169.7	6235.5	6295.7	6291.9
10°	5793.5	5808.5	5853.7	5927.0	6011.7	6135.8	6269.4	6401.0	6515.8	6607.9	6611.7
12.5°	5881.9	5900.7	5972.2	6083.1	6211.1	6370.9	6528.9	6677.5	6835.5	6972.9	6984.1
15°	5998.5	6023.0	6130.2	6295.7	6491.3	6681.3	6850.6	7003.0	7185.4	7375.4	7394.2
17.5°	6171.6	6205.4	6346.5	6570.3	6828.0	7036.8	7213.6	7328.4	7480.7	7676.4	7712.1
20°	6434.9	6478.2	6656.9	6924.0	7238.1	7456.3	7591.7	7616.2	7691.4	7866.3	7907.7
22.5°	6777.2	6814.9	7014.2	7332.1	7683.9	7920.9	7992.4	7894.6	7887.0	8028.1	8067.6
25°	7159.1	7192.9	7424.3	7781.7	8159.8	8421.2	8419.3	8229.4	8097.7	8206.8	8248.2
27.5°	7587.9	7640.6	7862.6	8238.8	8643.2	8900.9	8885.8	8592.4	8342.2	8370.4	8406.2
30°	8080.8	8139.1	8355.4	8737.2	9141.7	9393.7	9374.9	8987.4	8611.2	8536.0	8562.3
32.5°	8692.1	8761.7	8966.7	9342.9	9700.3	9927.9	9873.4	9416.3	8934.7	8771.1	8795.5
35°	9427.6	9468.9	9685.3	10055.8	10345.5	10501.6	10386.9	9912.9	9344.8	9147.3	9147.3
37.5°	10172.4	10204.4	10447.1	10806.3	11086.6	11169.4	10945.5	10456.5	9880.9	9600.6	9606.3
40°	10887.2	10973.7	11246.5	11615.2	11891.7	11914.2	11617.0	11077.2	10477.2	10187.5	10221.3
42.5°	11634.0	11718.6	12044.0	12461.6	12706.1	12743.8	12395.8	11773.2	11150.6	10915.4	10953.1
45°	12299.8	12367.6	12743.8	13229.1	13533.8	13631.6	13219.7	12570.7	11878.5	11649.0	11658.4
47.5°	12764.5	12852.9	13266.7	13838.5	14282.4	14432.9	14028.5	13347.6	12595.2	12316.8	12341.2
50°	13185.8	13232.8	13652.3	14276.8	14841.1	15151.4	14805.3	14115.0	13319.3	13024.0	13050.4
52.5°	13420.9	13481.1	13887.4	14538.2	15206.0	15706.3	15495.7	14805.3	14019.1	13731.3	13763.3
55°	13257.3	13302.4	13789.6	14596.5	15431.7	16048.7	16080.7	15480.6	14705.6	14453.6	14543.9
57.5°	12512.4	12568.8	13163.2	14220.3	15459.9	16280.0	16520.8	16107.0	15347.1	15142.0	15194.7
60°	11348.1	11383.8	12017.7	13206.5	14910.7	16376.0	16801.1	16618.6	15975.3	15770.3	15841.8
62.5°	9273.3	9326.0	10084.0	11677.2	13750.1	16091.9	17071.9	17041.8	16560.3	16372.2	16436.2
65°	6339.0	6431.1	7270.1	9284.6	11961.3	15222.9	17318.4	17534.7	17077.6	16840.6	16925.2
67.5°	3827.8	3895.5	4503.1	6130.2	9152.9	13469.8	17064.4	18095.2	17442.5	17060.7	17130.3
68°	3421.5	3483.6	3991.5	5532.0	8466.4	12975.1	16833.1	18159.2	17482.0	17056.9	17119.0
70°	2067.2	2108.6	2449.1	3419.7	5644.9	10292.8	15254.9	18106.5	17734.1	17109.6	17145.3
72.5°	1346.8	1360.0	1416.4	1755.0	2883.6	5755.9	11449.6	16872.6	18112.1	17416.2	17410.5
75°	1119.2	1111.7	1117.3	1156.8	1422.0	2524.3	6690.7	13328.8	17265.7	16932.7	16814.2
77.5°	946.1	940.5	938.6	940.5	951.8	1218.9	2904.3	8302.7	13212.1	14978.4	15083.7
80°	765.6	758.0	782.5	771.2	737.4	758.0	1217.0	3453.5	6228.0	6700.1	6278.8
82.5°	556.8	528.6	633.9	603.8	575.6	534.2	671.5	1115.4	1486.0	1019.5	716.7
85°	428.9	398.8	481.5	462.7	395.0	272.7	398.8	545.5	601.9	344.2	270.9
87.5°	174.9	184.3	348.0	274.6	231.4	131.7	163.6	218.2	293.4	146.7	112.9
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)