

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: P317166

Luminaire Tested: **GAN-SA2C-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317166
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-SA2C-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14793 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

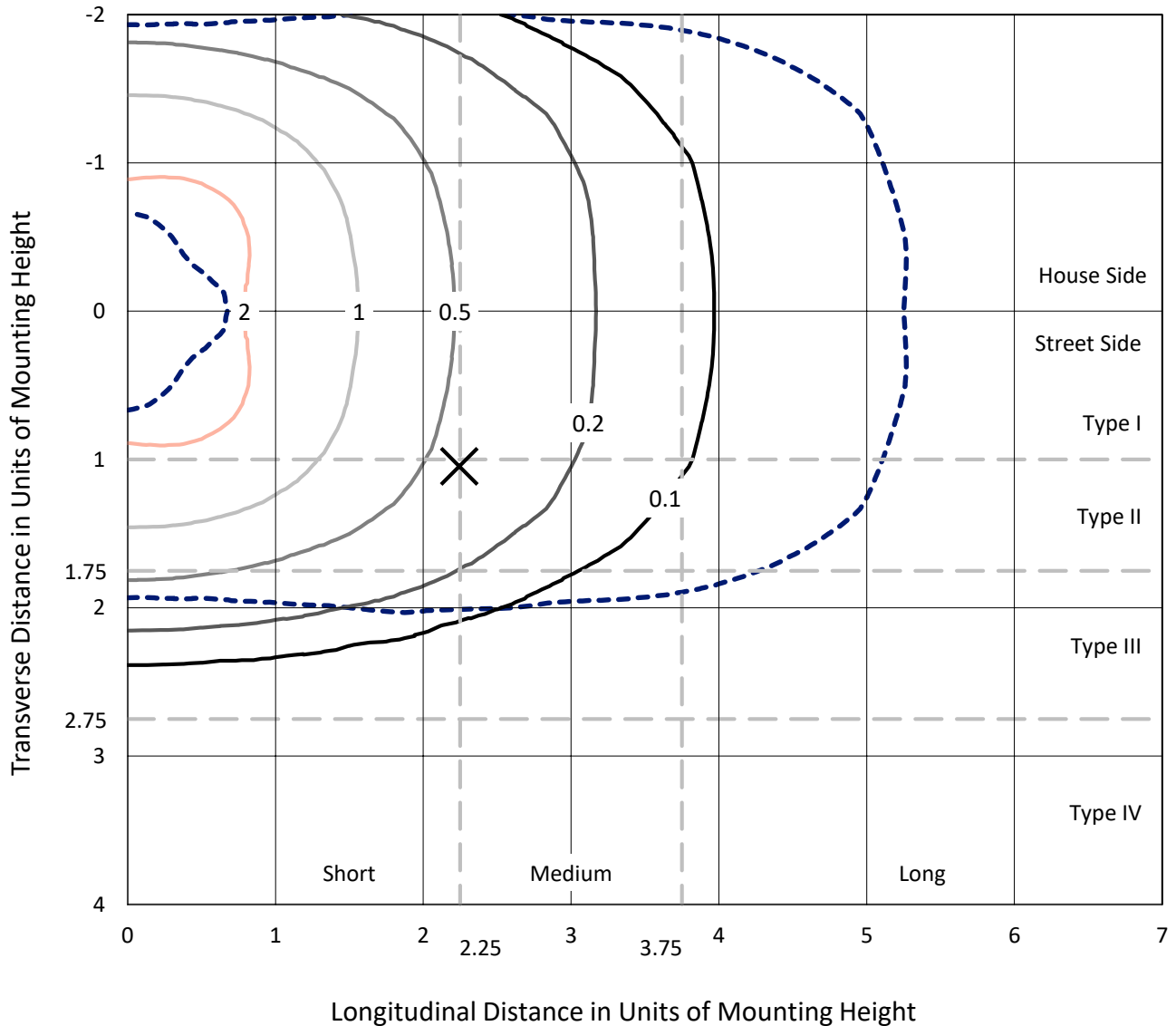
Input Watts (W): 113
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

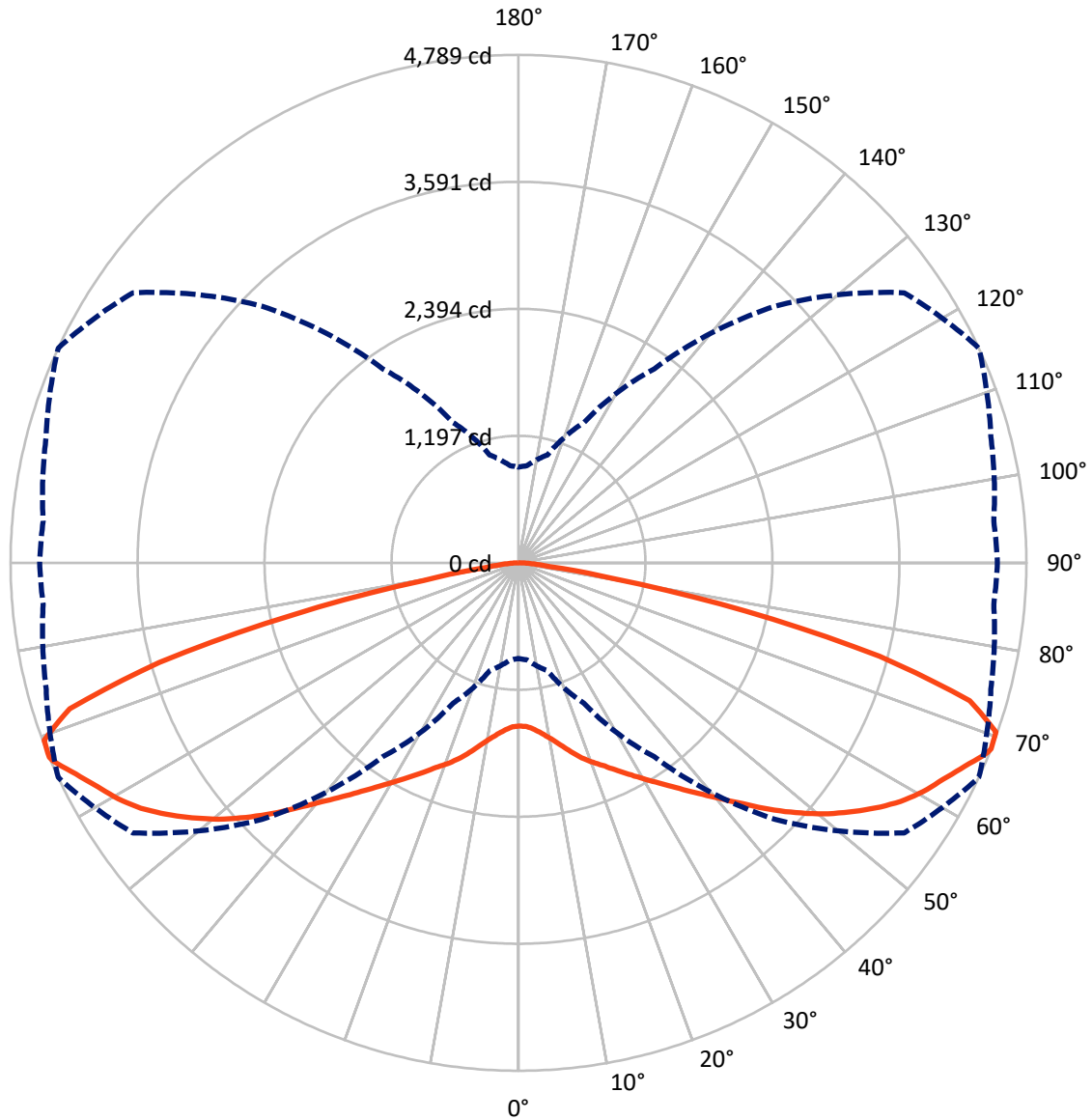
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7396.5	0.0	7396.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7396.5	0.0	7396.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14793.0	0.0	14793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	1.0
10°-20°	504.2	3.4
20°-30°	983.2	6.6
30°-40°	1651.6	11.2
40°-50°	2602.4	17.6
50°-60°	3480.2	23.5
60°-70°	3383.2	22.9
70°-80°	1849.4	12.5
80°-90°	188.1	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°	14793.0	100.0
0°-180°	14793.0	100.0

Coefficient of Utilization



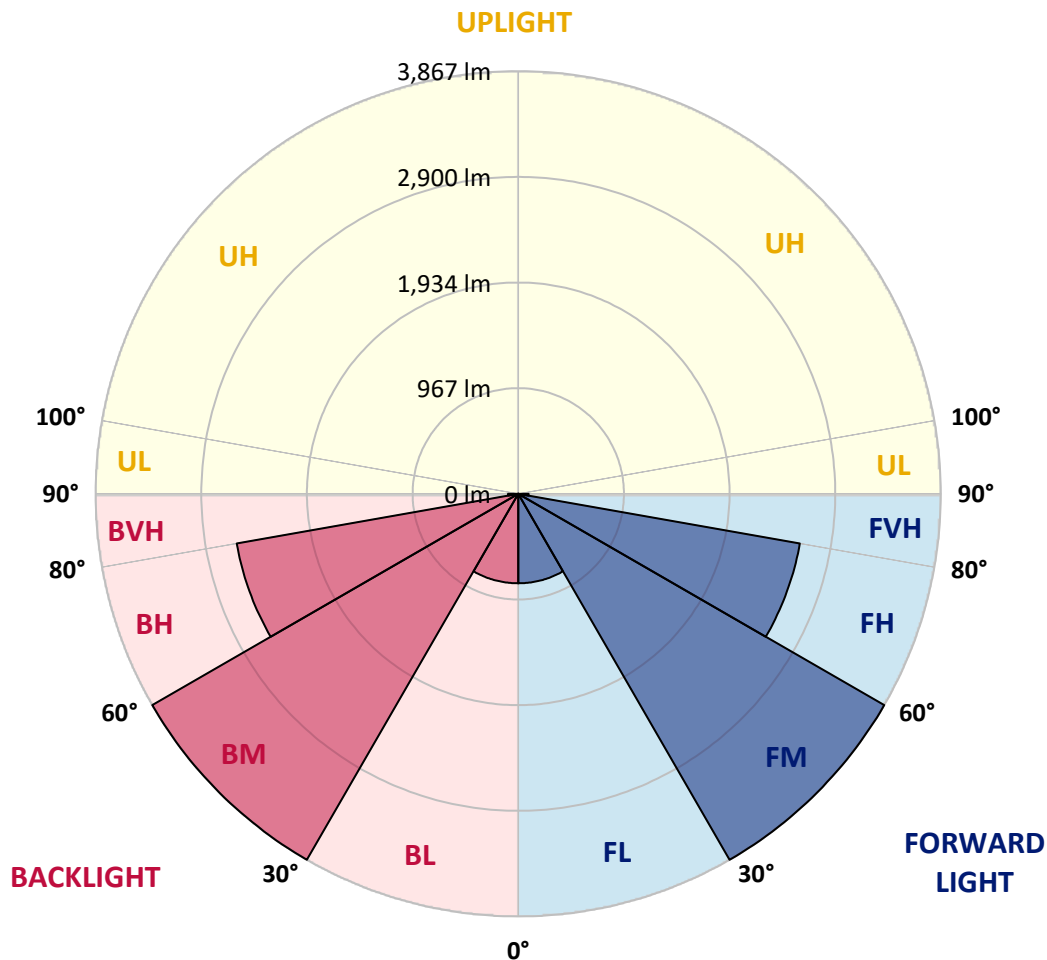
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	819.0	5.5			
FM	(30°-60°)	3867.1	26.1			
FH	(60°-80°)	2616.3	17.7			G2/5000
FVH	(80°-90°)	94.0	0.6			G1/100
BL	(0°-30°)	819.0	5.5	B2/1000		
BM	(30°-60°)	3867.1	26.1	B3/5000		
BH	(60°-80°)	2616.3	17.7	B4/5000		G4/5000
BVH	(80°-90°)	94.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1538.1	1538.1	1538.1	1538.1	1538.1	1538.1	1538.1	1538.1	1538.1	1538.1	1538.1
2.5°	1527.2	1527.7	1530.2	1533.2	1535.6	1542.1	1543.6	1546.1	1547.1	1549.5	1549.5
5°	1513.8	1514.8	1520.8	1528.7	1537.6	1553.5	1564.9	1577.8	1584.3	1591.2	1590.7
7.5°	1512.3	1514.8	1523.2	1536.1	1551.0	1577.3	1601.1	1626.9	1644.3	1660.1	1659.2
10°	1527.7	1531.7	1543.6	1562.9	1585.2	1618.0	1653.2	1687.9	1718.2	1742.5	1743.5
12.5°	1551.0	1556.0	1574.8	1604.1	1637.8	1680.0	1721.6	1760.8	1802.5	1838.7	1841.7
15°	1581.8	1588.2	1616.5	1660.1	1711.7	1761.8	1806.5	1846.6	1894.8	1944.9	1949.8
17.5°	1627.4	1636.3	1673.5	1732.6	1800.5	1855.6	1902.2	1932.5	1972.6	2024.2	2033.6
20°	1696.8	1708.3	1755.4	1825.8	1908.6	1966.2	2001.9	2008.3	2028.2	2074.3	2085.2
22.5°	1787.1	1797.0	1849.6	1933.4	2026.2	2088.7	2107.5	2081.7	2079.8	2117.0	2127.4
25°	1887.8	1896.7	1957.7	2052.0	2151.7	2220.6	2220.1	2170.0	2135.3	2164.1	2175.0
27.5°	2000.9	2014.8	2073.3	2172.5	2279.2	2347.1	2343.1	2265.8	2199.8	2207.2	2216.7
30°	2130.9	2146.2	2203.3	2304.0	2410.6	2477.1	2472.1	2369.9	2270.7	2250.9	2257.8
32.5°	2292.1	2310.4	2364.5	2463.7	2557.9	2617.9	2603.6	2483.0	2356.0	2312.9	2319.3
35°	2486.0	2496.9	2554.0	2651.7	2728.0	2769.2	2739.0	2614.0	2464.2	2412.1	2412.1
37.5°	2682.4	2690.8	2754.8	2849.6	2923.5	2945.3	2886.3	2757.3	2605.5	2531.6	2533.1
40°	2870.9	2893.7	2965.6	3062.9	3135.8	3141.7	3063.4	2921.0	2762.8	2686.4	2695.3
42.5°	3067.8	3090.1	3175.9	3286.1	3350.5	3360.5	3268.7	3104.5	2940.3	2878.3	2888.3
45°	3243.4	3261.3	3360.5	3488.4	3568.8	3594.6	3486.0	3314.8	3132.3	3071.8	3074.3
47.5°	3365.9	3389.2	3498.4	3649.1	3766.2	3805.9	3699.2	3519.7	3321.3	3247.9	3254.3
50°	3477.0	3489.4	3600.0	3764.7	3913.5	3995.4	3904.1	3722.1	3512.2	3434.4	3441.3
52.5°	3539.0	3554.9	3662.0	3833.7	4009.7	4141.7	4086.1	3904.1	3696.8	3620.9	3629.3
55°	3495.9	3507.8	3636.2	3849.0	4069.3	4231.9	4240.4	4082.2	3877.8	3811.3	3835.1
57.5°	3299.5	3314.3	3471.1	3749.8	4076.7	4293.0	4356.4	4247.3	4046.9	3992.9	4006.8
60°	2992.4	3001.8	3169.0	3482.5	3931.9	4318.3	4430.4	4382.2	4212.6	4158.5	4177.4
62.5°	2445.3	2459.2	2659.1	3079.2	3625.8	4243.4	4501.8	4493.8	4366.9	4317.3	4334.1
65°	1671.6	1695.9	1917.1	2448.3	3154.1	4014.2	4566.8	4623.8	4503.3	4440.8	4463.1
67.5°	1009.4	1027.2	1187.4	1616.5	2413.6	3551.9	4499.8	4771.6	4599.5	4498.8	4517.2
68°	902.2	918.6	1052.5	1458.8	2232.5	3421.5	4438.8	4788.5	4609.9	4497.8	4514.2
70°	545.1	556.0	645.8	901.7	1488.5	2714.2	4022.6	4774.6	4676.4	4511.7	4521.1
72.5°	355.1	358.6	373.5	462.8	760.4	1517.8	3019.2	4449.2	4776.1	4592.5	4591.1
75°	295.1	293.1	294.6	305.0	375.0	665.6	1764.3	3514.7	4552.9	4465.1	4433.8
77.5°	249.5	248.0	247.5	248.0	251.0	321.4	765.8	2189.4	3484.0	3949.7	3977.5
80°	201.9	199.9	206.3	203.4	194.4	199.9	320.9	910.7	1642.3	1766.8	1655.7
82.5°	146.8	139.4	167.2	159.2	151.8	140.9	177.1	294.1	391.8	268.8	189.0
85°	113.1	105.2	127.0	122.0	104.2	71.9	105.2	143.8	158.7	90.8	71.4
87.5°	46.1	48.6	91.8	72.4	61.0	34.7	43.2	57.5	77.4	38.7	29.8
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)