

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: P507487

Luminaire Tested: **VERD-S-CA1-30-730-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-30-730-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 590mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4898.1 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

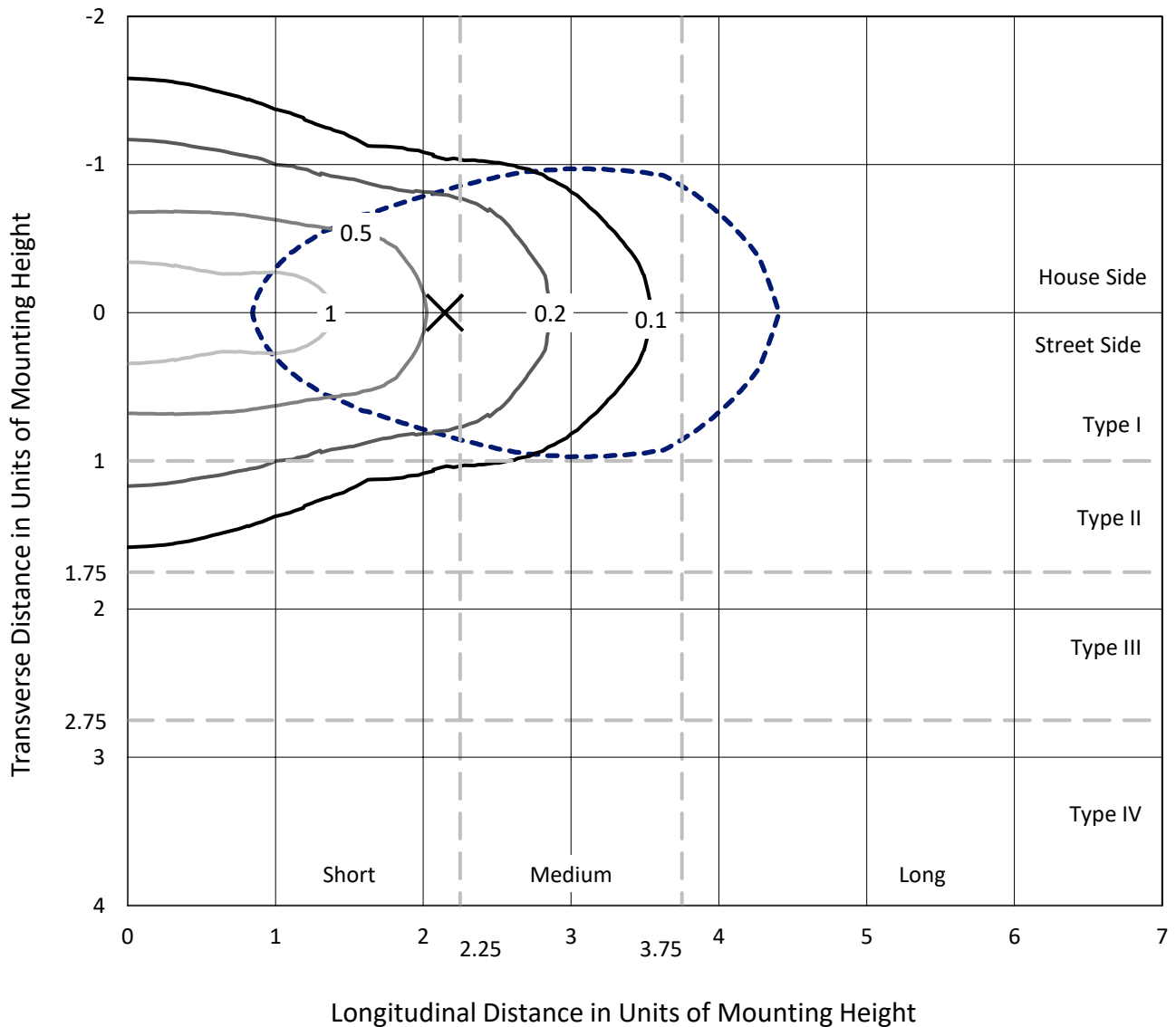
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

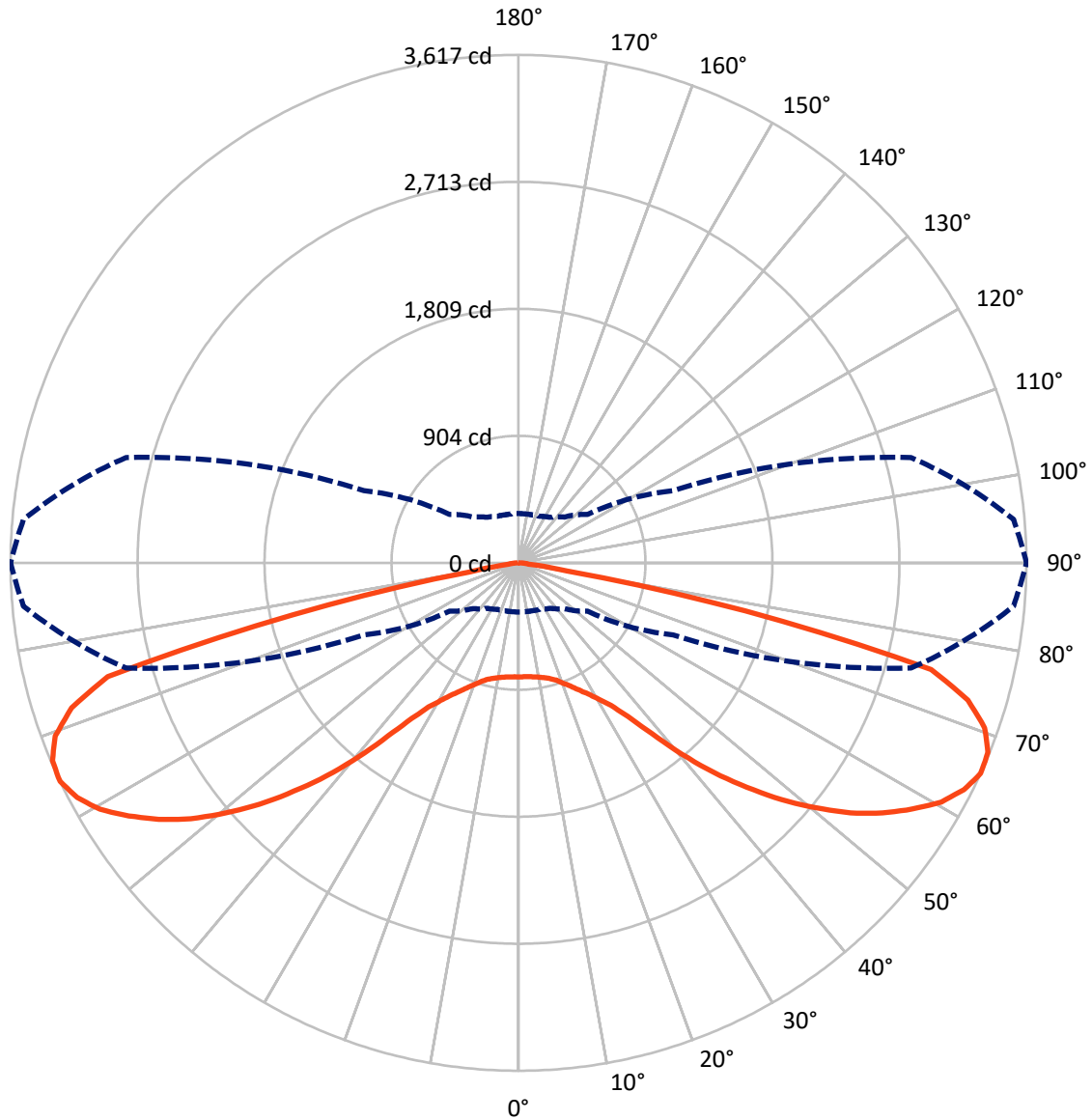
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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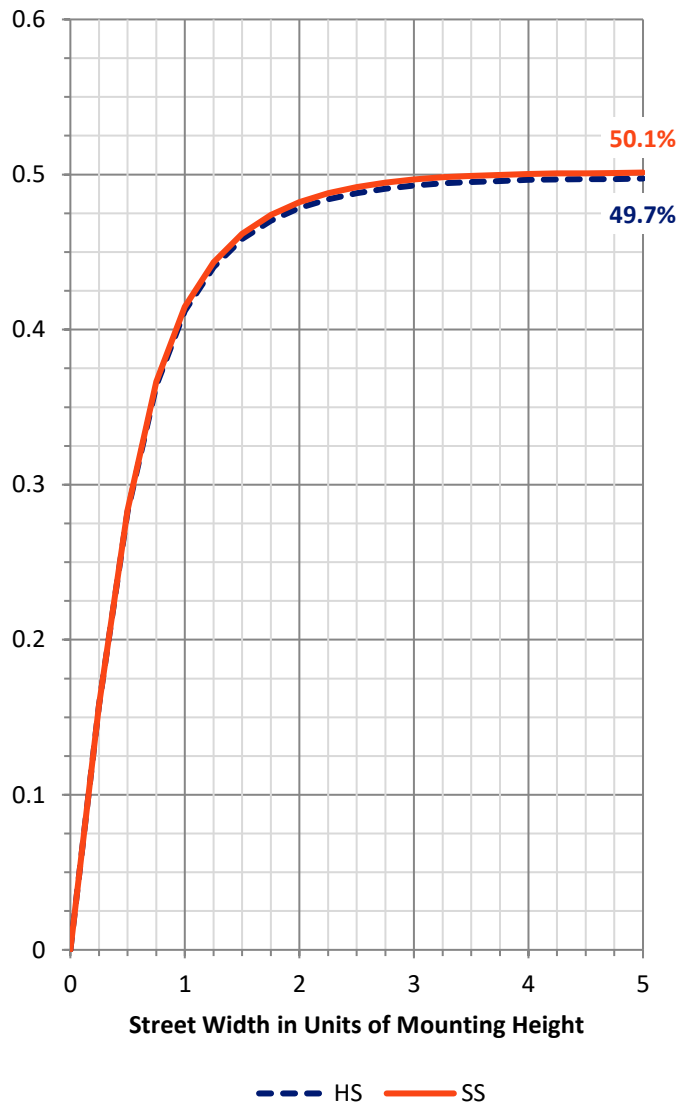
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2449.0	0.0	2449.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2449.0	0.0	2449.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4898.1	0.0	4898.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	1.6
10°-20°	232.3	4.7
20°-30°	384.7	7.9
30°-40°	556.8	11.4
40°-50°	806.1	16.5
50°-60°	1049.2	21.4
60°-70°	1108.1	22.6
70°-80°	652.2	13.3
80°-90°	30.8	0.6
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°	4898.1	100.0
0°-180°	4898.1	100.0

Coefficient of Utilization

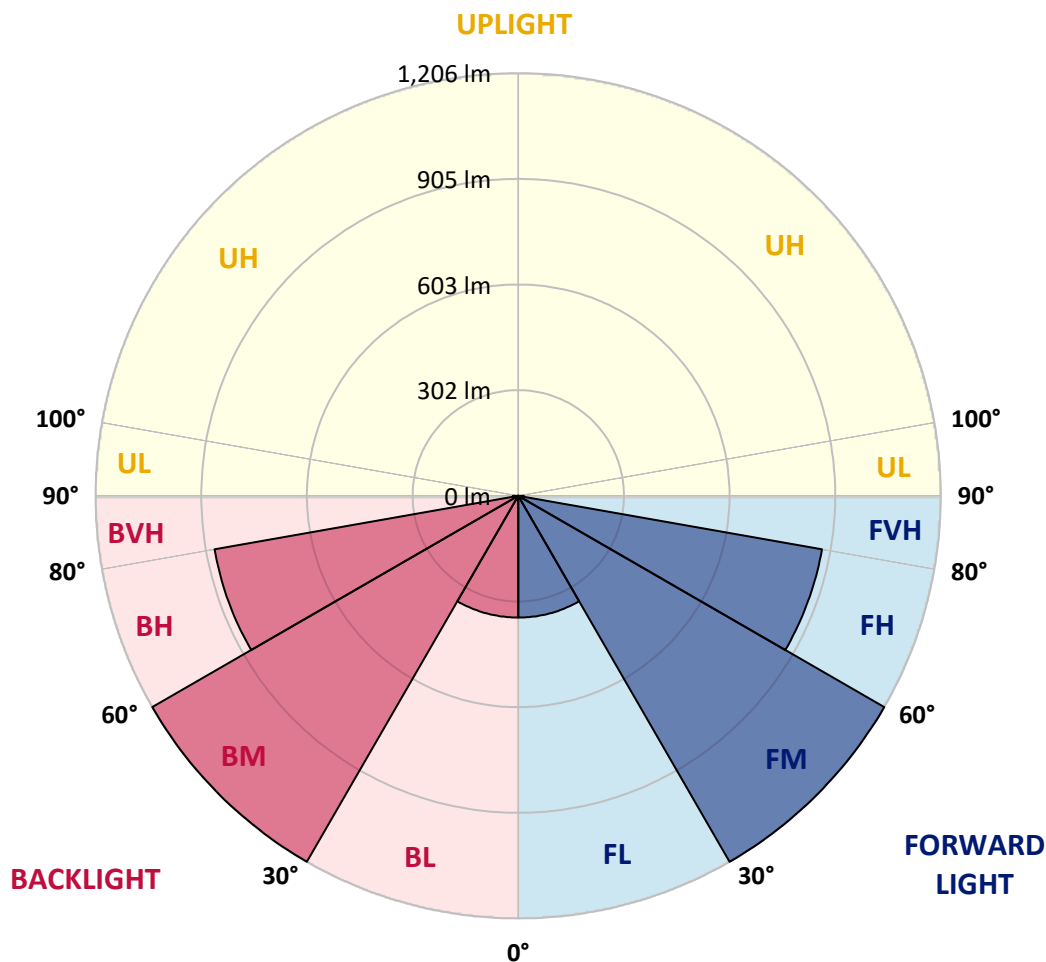


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.4	7.1			
FM (30°-60°)	1206.0	24.6			
FH (60°-80°)	880.2	18.0			G1/1800
FVH (80°-90°)	15.4	0.3			G1/100
BL (0°-30°)	347.4	7.1	B1/500		
BM (30°-60°)	1206.0	24.6	B2/2500		
BH (60°-80°)	880.2	18.0	B2/1000		G2/1000
BVH (80°-90°)	15.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5	813.5
2.5°	816.1	816.1	817.4	816.1	816.1	816.1	816.1	814.7	813.5	812.1	812.1
5°	814.7	814.7	814.7	816.1	816.1	817.4	817.4	816.1	816.1	816.1	814.7
7.5°	809.4	810.8	810.8	812.1	813.5	816.1	817.4	818.8	820.1	820.1	820.1
10°	802.8	802.8	804.2	806.8	810.8	813.5	820.1	824.1	826.7	828.1	828.1
12.5°	792.2	792.2	794.8	800.1	808.1	816.1	824.1	832.1	837.4	840.1	840.1
15°	778.8	778.8	782.9	790.8	805.4	820.1	833.4	845.3	853.4	857.4	856.0
17.5°	758.8	758.8	764.2	778.8	801.5	825.4	848.1	862.7	874.7	878.7	878.7
20°	732.2	732.2	741.6	761.5	793.5	829.5	861.3	884.0	901.3	913.2	916.0
22.5°	699.0	699.0	713.6	741.6	780.1	826.7	870.7	909.3	939.9	953.3	954.5
25°	660.3	663.0	683.0	718.9	768.1	825.4	885.3	938.5	978.5	999.9	1003.8
27.5°	624.4	627.1	652.4	697.6	756.2	826.7	898.6	970.5	1027.8	1053.0	1057.1
30°	591.1	593.8	620.4	673.7	746.9	828.1	914.6	1002.5	1078.3	1118.3	1126.3
32.5°	561.8	564.5	591.1	648.4	733.5	829.5	934.6	1045.1	1143.6	1203.5	1210.2
35°	536.5	539.2	567.1	621.7	716.2	832.1	958.6	1095.7	1230.1	1327.3	1343.3
37.5°	515.2	517.9	541.8	596.5	696.2	832.1	983.9	1154.3	1343.3	1512.3	1541.7
40°	499.2	501.9	520.5	571.2	672.3	826.7	1006.4	1218.1	1477.7	1744.1	1791.9
42.5°	484.6	488.5	504.5	548.5	647.0	816.1	1030.5	1282.1	1636.2	1985.0	2042.2
45°	469.9	473.9	491.3	531.2	620.4	800.1	1045.1	1344.6	1814.6	2230.0	2279.2
47.5°	460.6	460.6	475.3	512.6	595.1	772.2	1049.1	1403.2	1998.4	2464.2	2521.5
50°	451.3	451.3	463.3	495.2	568.5	736.3	1034.4	1459.1	2190.1	2686.7	2742.6
52.5°	439.3	438.0	450.0	479.2	543.2	690.9	999.9	1496.4	2385.8	2897.0	2959.6
55°	424.7	424.7	434.0	460.6	519.3	645.7	937.3	1513.7	2566.8	3079.4	3145.9
57.5°	408.7	407.4	416.7	438.0	492.6	601.8	853.4	1501.8	2714.6	3252.4	3308.3
60°	394.1	392.7	399.4	418.0	462.0	559.2	768.1	1436.5	2833.0	3394.8	3458.8
62.5°	375.4	375.4	380.7	395.3	432.6	511.2	683.0	1335.3	2891.6	3490.7	3558.6
65°	351.5	350.1	354.2	364.7	395.3	460.6	600.4	1214.1	2893.0	3538.7	3617.1
67.5°	307.6	318.1	322.2	328.8	354.2	408.7	521.9	1106.3	2789.2	3529.4	3605.2
70°	249.0	283.6	283.6	287.5	306.2	350.1	448.6	1015.7	2558.8	3440.2	3521.3
72.5°	173.1	203.7	229.0	238.3	254.3	284.9	378.1	906.7	2162.1	3236.4	3345.6
75°	63.9	59.9	86.5	145.1	161.1	187.7	276.9	746.9	1748.0	2849.0	3035.4
77.5°	18.6	20.0	28.0	74.6	85.3	91.8	150.4	372.8	809.4	1457.8	1649.5
80°	16.0	16.0	20.0	23.9	28.0	45.2	49.2	138.4	266.2	348.9	350.1
82.5°	12.0	12.0	14.6	17.3	21.3	26.6	29.3	48.0	67.9	70.5	70.5
85°	7.9	7.9	9.3	10.7	13.3	16.0	17.3	20.0	25.3	42.6	45.2
87.5°	4.0	4.0	5.3	5.3	6.7	6.7	7.9	12.0	13.3	20.0	20.0
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)