

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: P509394

Luminaire Tested: **VERD-CA2-90-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-90-722-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1250mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10891 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 94.2
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

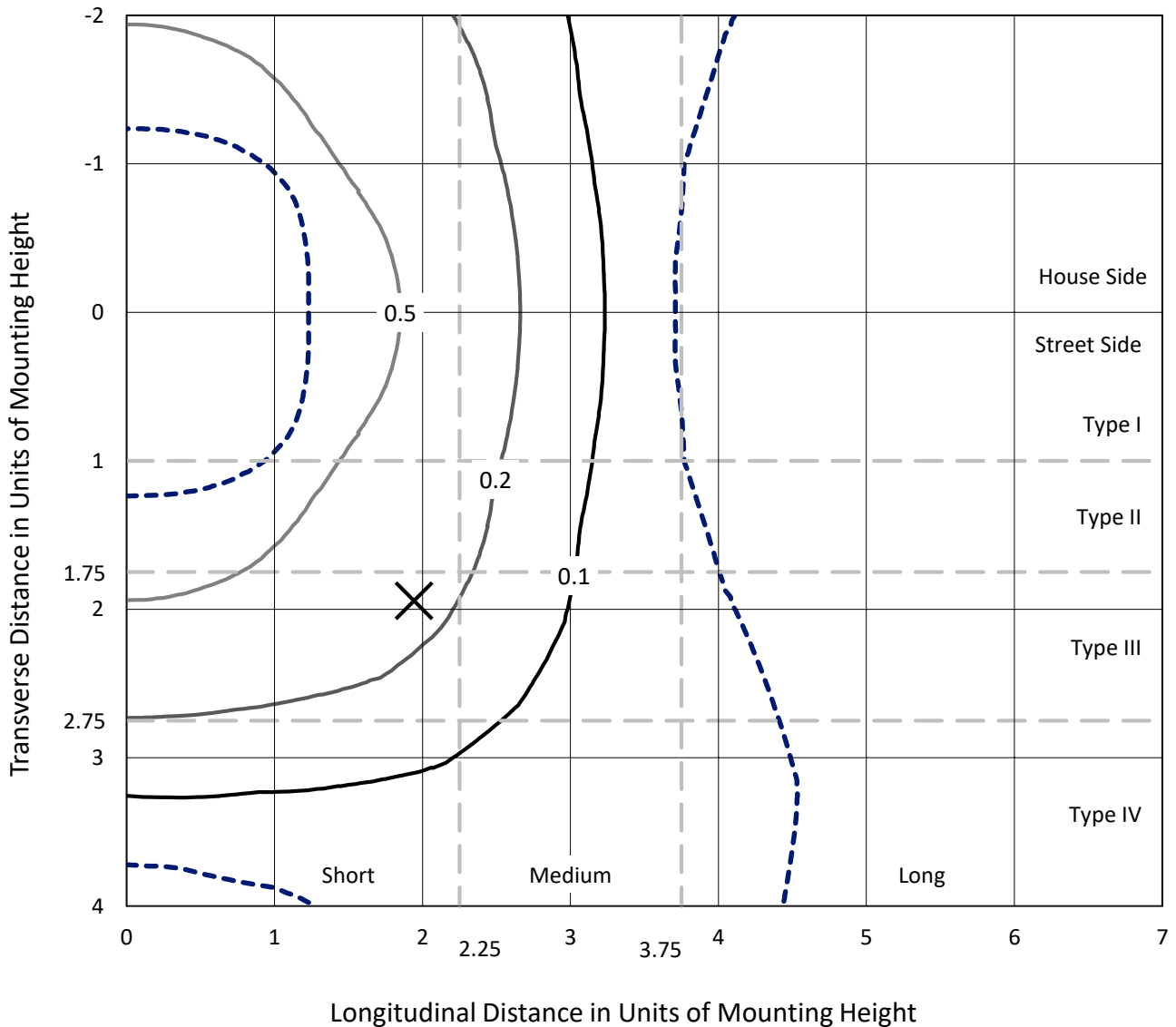


REPORT NUMBER: P509394

CATALOG NUMBER: VERD-CA2-90-722-U-T5

Iso-Footcandle Lines of Horizontal Illumination

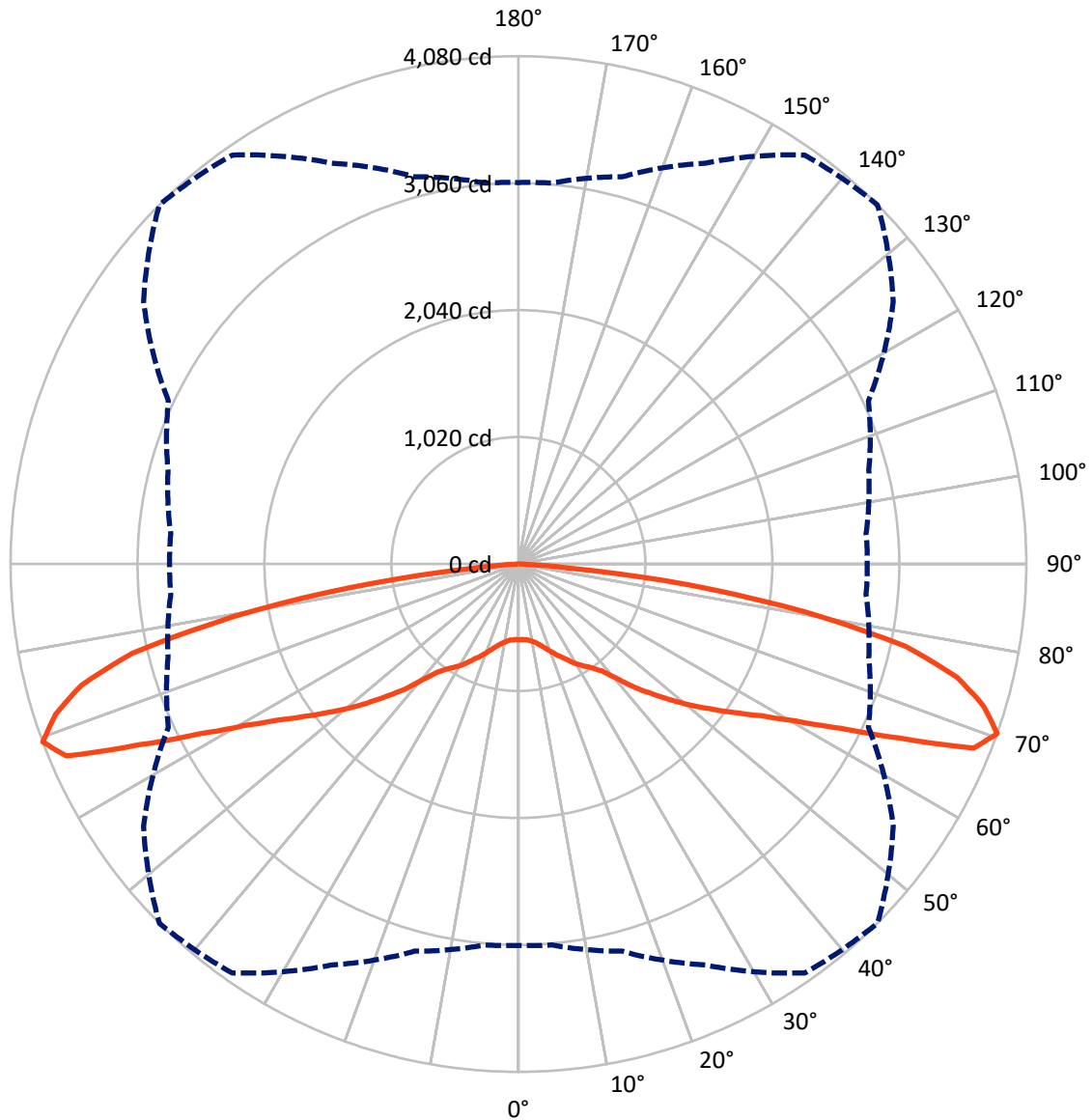
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P509394
CATALOG NUMBER: VERD-CA2-90-722-U-T5

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P509394

CATALOG NUMBER: VERD-CA2-90-722-U-T5

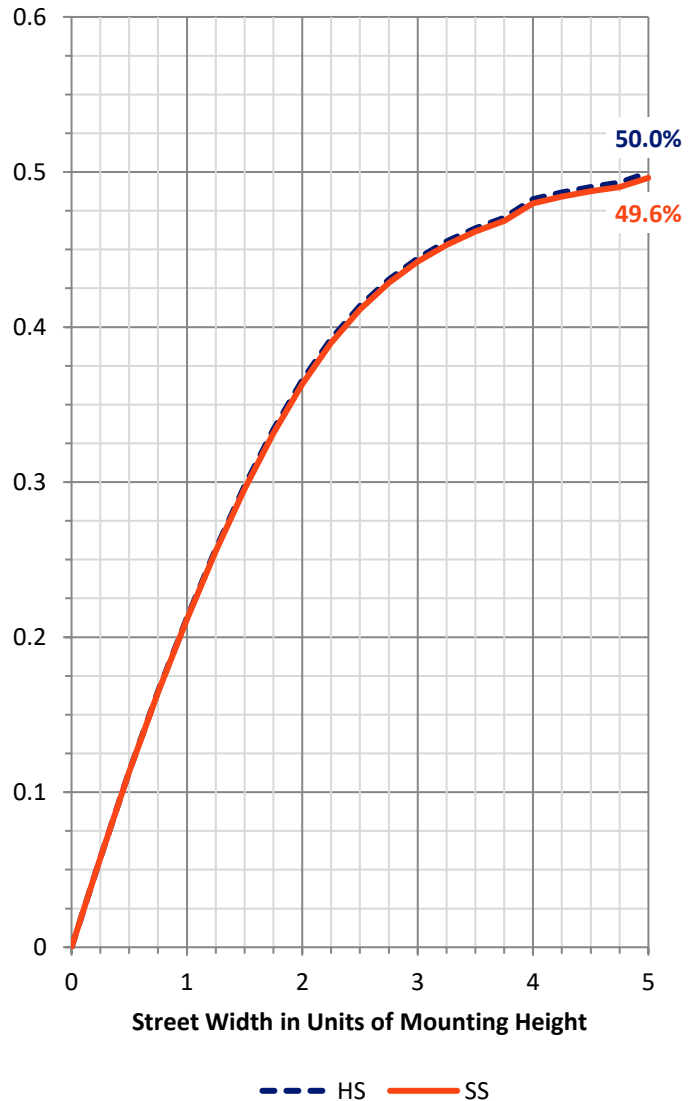
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5445.5	0.0	5445.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5445.5	0.0	5445.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10891.0	0.0	10891.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	0.5
10°-20°	194.5	1.8
20°-30°	382.2	3.5
30°-40°	655.4	6.0
40°-50°	1203.4	11.0
50°-60°	2025.3	18.6
60°-70°	3200.0	29.4
70°-80°	2730.8	25.1
80°-90°	440.3	4.0
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°	10891.0	100.0
0°-180°	10891.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509394

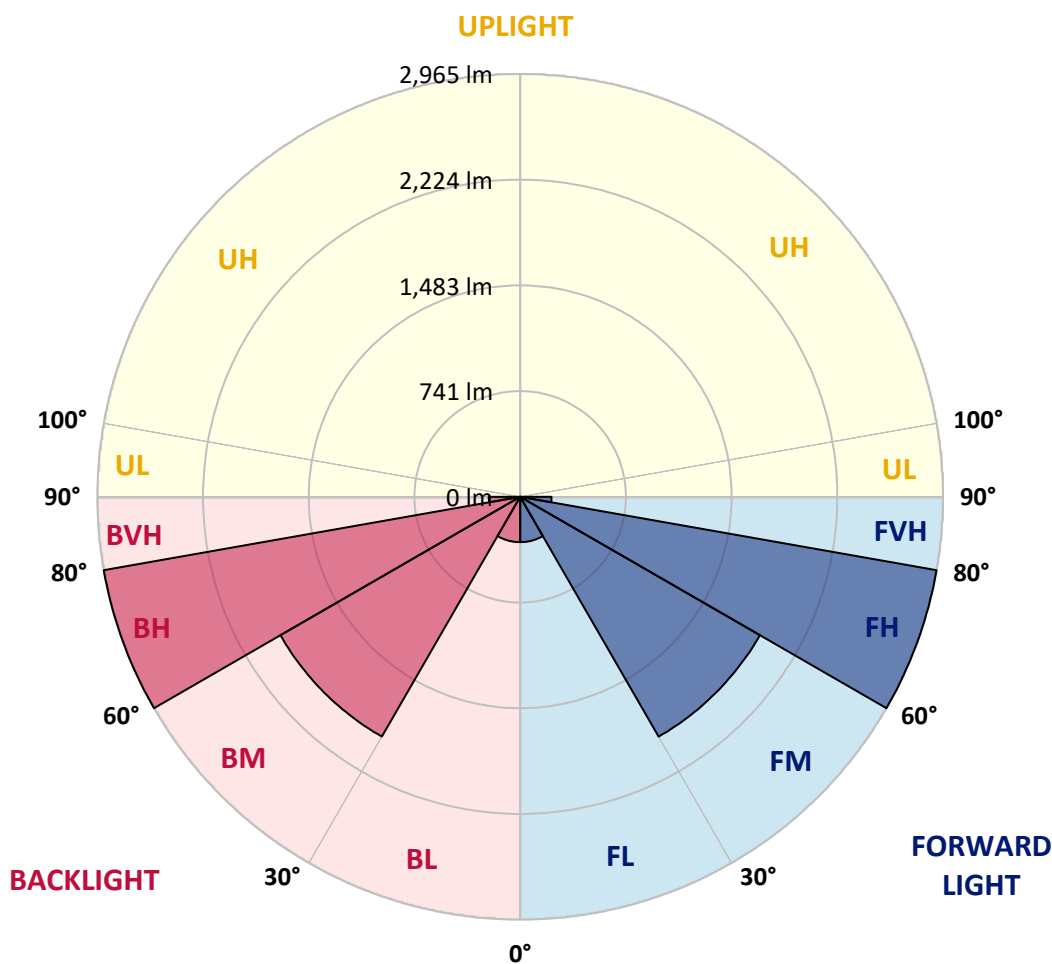
CATALOG NUMBER: VERD-CA2-90-722-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.9	2.9			
FM (30°-60°)	1942.1	17.8			
FH (60°-80°)	2965.4	27.2			G2/5000
FVH (80°-90°)	220.1	2.0			G2/225
BL (0°-30°)	317.9	2.9	B1/500		
BM (30°-60°)	1942.1	17.8	B2/2500		
BH (60°-80°)	2965.4	27.2	B4/5000		G2/5000
BVH (80°-90°)	220.1	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P509394
 CATALOG NUMBER: VERD-CA2-90-722-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8	608.8
2.5°	609.9	613.4	609.9	609.9	607.6	606.5	606.5	606.5	608.8	611.1	611.1
5°	614.5	616.8	613.4	613.4	611.1	611.1	611.1	611.1	613.4	615.6	614.5
7.5°	622.5	625.9	622.5	622.5	620.2	617.9	617.9	619.1	620.2	621.4	620.2
10°	636.2	640.8	636.2	638.5	634.0	632.8	631.7	631.7	632.8	632.8	632.8
12.5°	653.4	656.8	654.6	656.8	652.3	652.3	648.8	648.8	647.7	647.7	647.7
15°	676.3	680.9	678.6	682.0	679.7	679.7	676.3	672.9	671.7	671.7	671.7
17.5°	703.8	708.3	707.2	712.9	710.6	712.9	706.0	700.3	701.5	701.5	700.3
20°	735.8	740.4	740.4	748.4	748.4	750.7	741.5	735.8	733.5	734.7	733.5
22.5°	771.3	775.9	774.7	787.3	794.2	794.2	781.6	777.0	772.4	773.6	771.3
25°	810.2	815.9	810.2	821.6	833.1	834.2	823.9	812.5	812.5	818.2	815.9
27.5°	843.4	850.2	846.8	851.4	876.6	883.4	867.4	854.8	857.1	861.7	858.2
30°	883.4	889.1	883.4	886.9	910.9	933.8	904.0	900.6	905.2	909.7	909.7
32.5°	934.9	941.8	931.5	934.9	942.9	978.4	952.1	956.7	967.0	977.3	977.3
35°	995.6	1002.4	992.1	992.1	995.6	1025.3	1017.3	1031.0	1051.6	1073.4	1078.0
37.5°	1072.2	1075.7	1064.2	1059.6	1066.5	1090.5	1102.0	1132.9	1166.1	1206.1	1213.0
40°	1176.4	1180.9	1164.9	1160.3	1164.9	1199.3	1231.3	1286.2	1332.0	1374.3	1378.9
42.5°	1330.8	1344.6	1328.6	1313.7	1313.7	1344.6	1389.2	1455.6	1513.9	1541.4	1548.3
45°	1501.4	1513.9	1479.6	1460.2	1452.1	1477.3	1526.5	1604.3	1659.3	1703.9	1700.5
47.5°	1703.9	1699.3	1667.3	1633.0	1607.8	1623.8	1669.6	1737.1	1796.6	1836.6	1837.8
50°	1930.5	1929.3	1887.0	1819.5	1771.4	1778.3	1809.2	1881.3	1940.8	1978.5	1987.7
52.5°	2171.9	2163.9	2107.8	2030.0	1957.9	1935.1	1947.6	2011.7	2075.8	2119.3	2119.3
55°	2413.4	2403.1	2356.2	2253.2	2167.4	2105.6	2096.4	2160.5	2233.7	2286.4	2289.8
57.5°	2662.8	2665.1	2614.8	2526.7	2395.1	2300.1	2274.9	2348.2	2426.0	2474.0	2486.6
60°	2916.9	2914.6	2875.7	2813.9	2682.3	2558.7	2517.5	2559.9	2658.3	2696.0	2710.9
62.5°	3240.7	3248.7	3191.5	3148.0	3023.3	2904.3	2826.5	2867.7	2964.9	3017.6	3018.7
65°	3415.8	3431.8	3457.0	3536.0	3494.8	3373.5	3275.1	3227.0	3197.2	3180.1	3169.8
67.5°	3317.4	3318.5	3427.3	3628.7	3866.7	3944.5	3569.1	3232.7	3109.1	3074.8	3065.6
70°	3064.5	3071.4	3220.1	3553.1	4009.7	4079.5	3675.6	3102.3	2913.5	2803.6	2802.5
72.5°	2561.0	2644.5	2840.2	3333.4	3917.0	3909.0	3505.1	2891.7	2594.2	2485.5	2472.9
75°	2026.6	2050.6	2321.8	2876.8	3573.7	3640.1	3256.7	2514.1	2168.5	2025.5	2017.4
77.5°	1295.4	1317.1	1615.8	2232.6	3019.9	3181.2	2778.4	2008.3	1621.5	1421.3	1415.5
80°	632.8	694.6	921.2	1453.3	2179.9	2332.1	1954.5	1283.9	960.1	771.3	755.3
82.5°	259.8	273.5	448.6	804.5	1279.4	1382.3	999.0	597.3	354.7	234.6	217.4
85°	77.8	79.0	137.3	287.2	539.0	390.2	201.4	85.8	37.8	27.5	26.3
87.5°	13.7	14.9	25.2	34.3	33.2	14.9	13.7	12.6	12.6	12.6	13.7
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)