

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: P509362

Luminaire Tested: **VERD-CA2-80-730-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509362
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-CA2-80-730-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1100mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11769 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 82.4
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

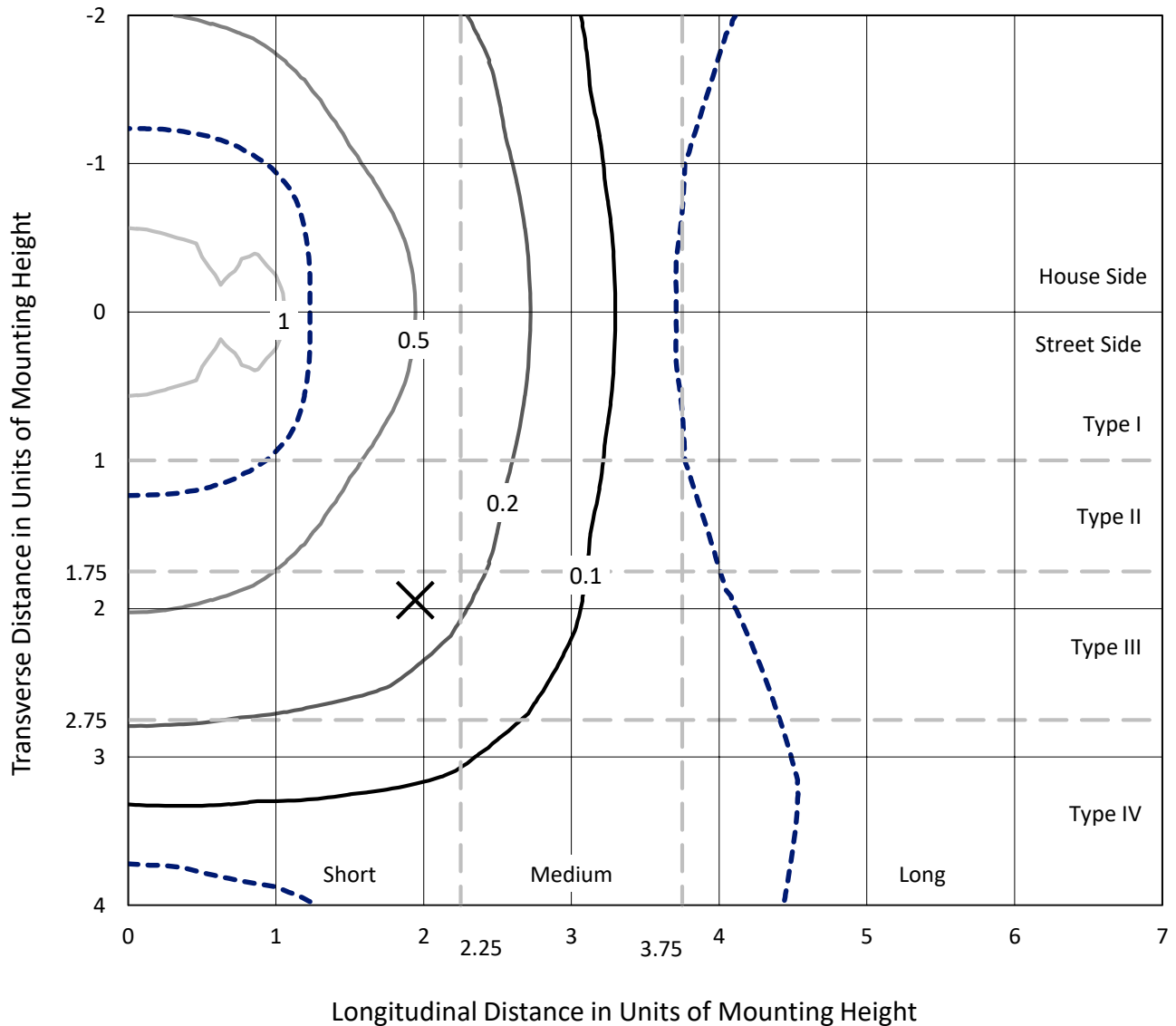


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Iso-Footcandle Lines of Horizontal Illumination

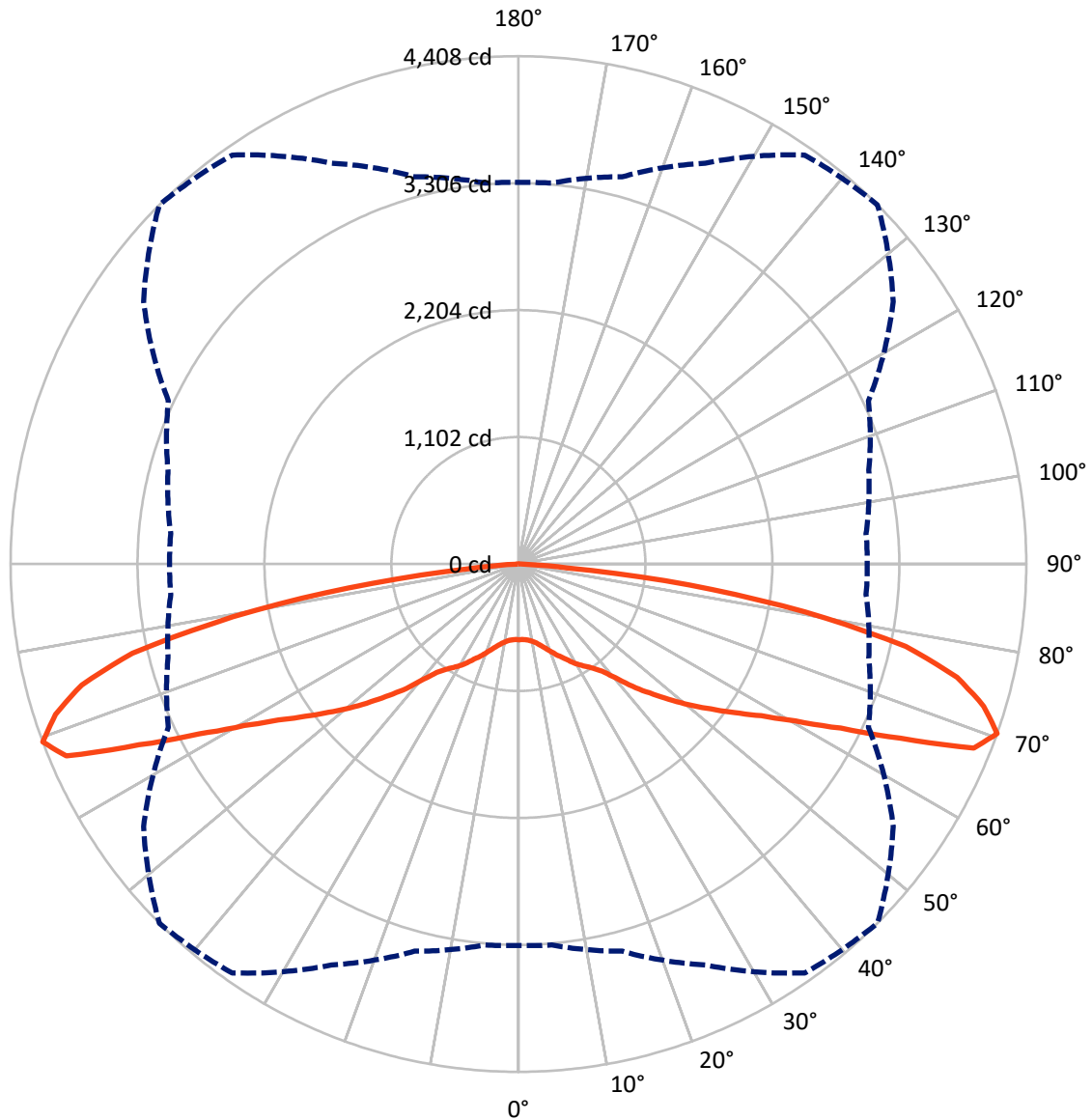
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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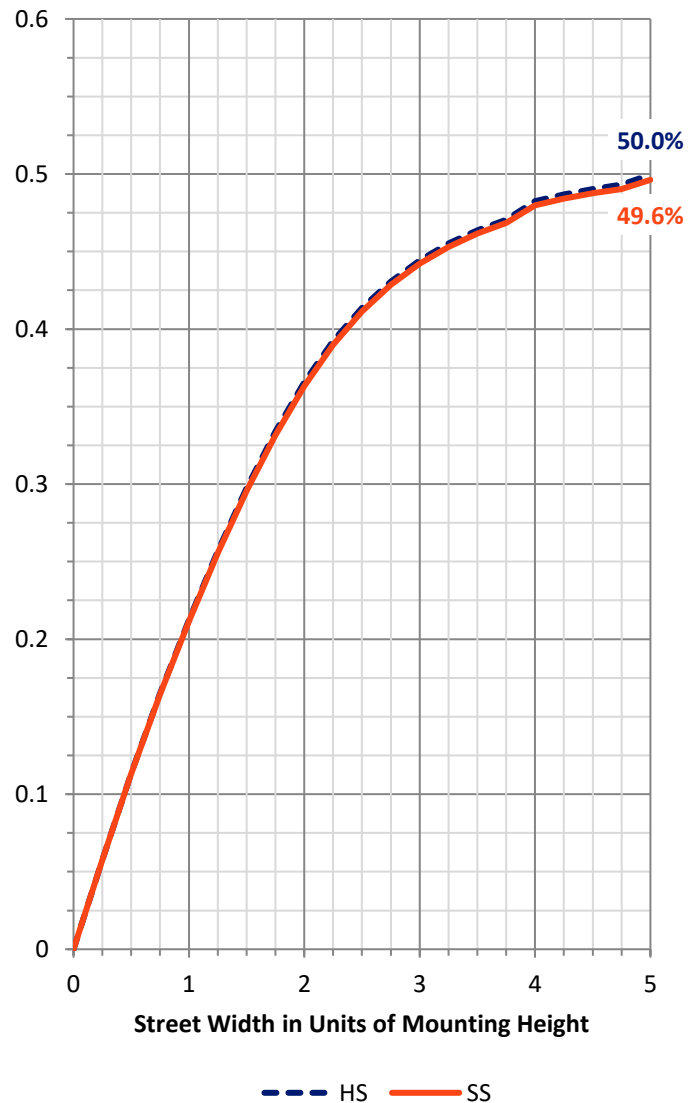
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5884.5	0.0	5884.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5884.5	0.0	5884.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11769.0	0.0	11769.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	0.5
10°-20°	210.2	1.8
20°-30°	413.0	3.5
30°-40°	708.2	6.0
40°-50°	1300.4	11.0
50°-60°	2188.6	18.6
60°-70°	3458.0	29.4
70°-80°	2950.9	25.1
80°-90°	475.7	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°	11769.0	100.0
0°-180°	11769.0	100.0



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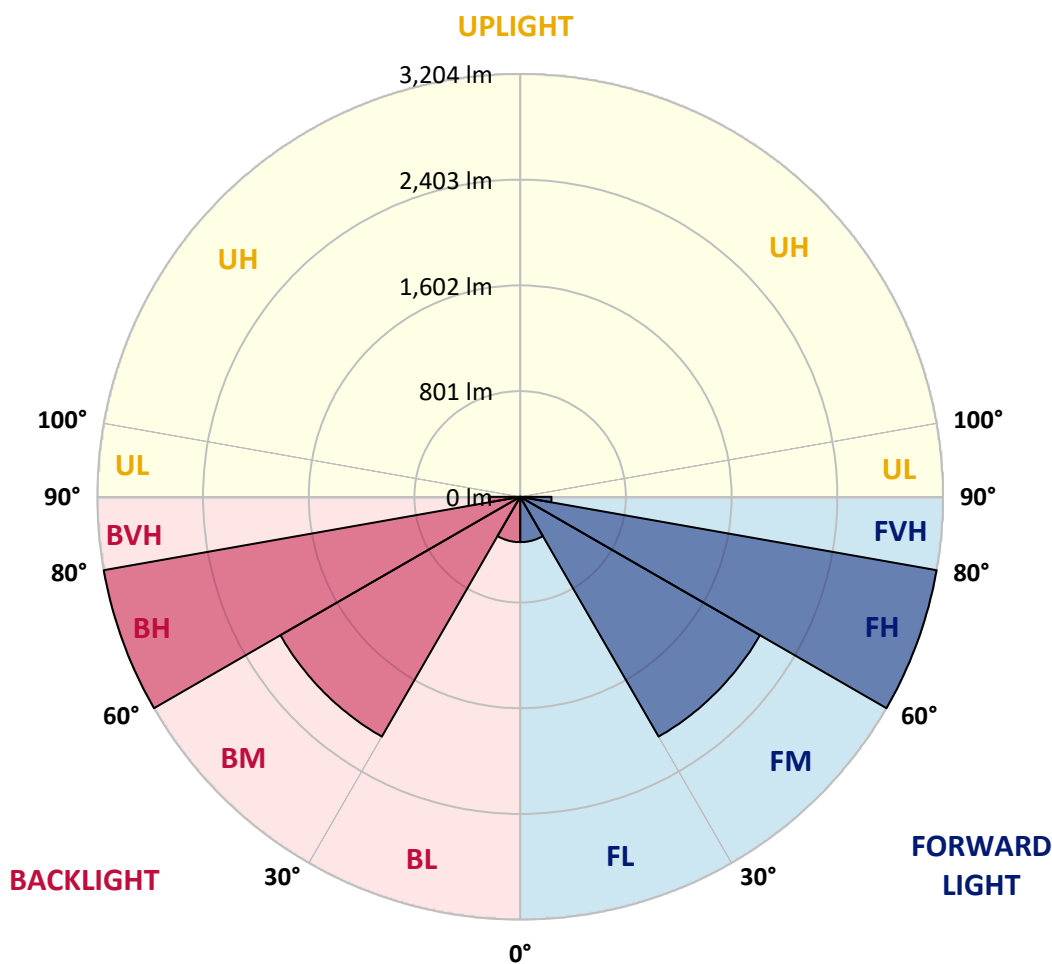
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	343.6	2.9			
FM (30°-60°)	2098.6	17.8			
FH (60°-80°)	3204.4	27.2			G2/5000
FVH (80°-90°)	237.9	2.0			G3/500
BL (0°-30°)	343.6	2.9	B1/500		
BM (30°-60°)	2098.6	17.8	B2/2500		
BH (60°-80°)	3204.4	27.2	B4/5000		G2/5000
BVH (80°-90°)	237.9	2.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9
2.5°	659.1	662.8	659.1	659.1	656.6	655.4	655.4	655.4	657.9	660.3	660.3
5°	664.0	666.5	662.8	662.8	660.3	660.3	660.3	660.3	662.8	665.3	664.0
7.5°	672.7	676.4	672.7	672.7	670.2	667.8	667.8	669.0	670.2	671.5	670.2
10°	687.5	692.5	687.5	690.0	685.1	683.8	682.6	682.6	683.8	683.8	683.8
12.5°	706.1	709.8	707.3	709.8	704.8	704.8	701.1	701.1	699.9	699.9	699.9
15°	730.8	735.8	733.3	737.0	734.5	734.5	730.8	727.1	725.9	725.9	725.9
17.5°	760.5	765.4	764.2	770.4	767.9	770.4	763.0	756.8	758.0	758.0	756.8
20°	795.1	800.1	800.1	808.7	808.7	811.2	801.3	795.1	792.6	793.9	792.6
22.5°	833.5	838.4	837.2	850.8	858.2	858.2	844.6	839.6	834.7	835.9	833.5
25°	875.5	881.7	875.5	887.9	900.2	901.5	890.3	878.0	878.0	884.2	881.7
27.5°	911.4	918.8	915.1	920.0	947.2	954.6	937.3	923.7	926.2	931.1	927.4
30°	954.6	960.8	954.6	958.3	984.3	1009.0	976.9	973.2	978.1	983.1	983.1
32.5°	1010.3	1017.7	1006.6	1010.3	1018.9	1057.3	1028.8	1033.8	1044.9	1056.0	1056.0
35°	1075.8	1083.2	1072.1	1072.1	1075.8	1108.0	1099.3	1114.2	1136.4	1159.9	1164.9
37.5°	1158.7	1162.4	1150.0	1145.1	1152.5	1178.5	1190.8	1224.2	1260.1	1303.4	1310.8
40°	1271.2	1276.1	1258.8	1253.9	1258.8	1295.9	1330.6	1389.9	1439.4	1485.1	1490.1
42.5°	1438.1	1453.0	1435.7	1419.6	1419.6	1453.0	1501.2	1572.9	1636.0	1665.7	1673.1
45°	1622.4	1636.0	1598.9	1577.9	1569.2	1596.4	1649.6	1733.7	1793.0	1841.3	1837.6
47.5°	1841.3	1836.3	1801.7	1764.6	1737.4	1754.7	1804.2	1877.1	1941.4	1984.7	1985.9
50°	2086.1	2084.9	2039.1	1966.2	1914.2	1921.6	1955.0	2032.9	2097.2	2138.0	2147.9
52.5°	2347.0	2338.4	2277.8	2193.7	2115.8	2091.1	2104.7	2173.9	2243.2	2290.1	2290.1
55°	2607.9	2596.8	2546.1	2434.8	2342.1	2275.3	2265.4	2334.7	2413.8	2470.7	2474.4
57.5°	2877.5	2880.0	2825.6	2730.4	2588.2	2485.5	2458.3	2537.5	2621.5	2673.5	2687.1
60°	3152.0	3149.6	3107.5	3040.7	2898.5	2765.0	2720.5	2766.2	2872.6	2913.4	2929.5
62.5°	3502.0	3510.6	3448.8	3401.8	3267.0	3138.4	3054.3	3098.9	3204.0	3260.9	3262.1
65°	3691.2	3708.5	3735.7	3821.0	3776.5	3645.4	3539.1	3487.1	3455.0	3436.4	3425.3
67.5°	3584.8	3586.1	3703.5	3921.2	4178.4	4262.5	3856.9	3493.3	3359.8	3322.7	3312.8
70°	3311.6	3319.0	3479.7	3839.6	4333.0	4408.4	3971.9	3352.4	3148.3	3029.6	3028.4
72.5°	2767.5	2857.7	3069.2	3602.1	4232.8	4224.1	3787.6	3124.8	2803.3	2685.8	2672.2
75°	2190.0	2215.9	2509.0	3108.8	3861.8	3933.6	3519.3	2716.8	2343.3	2188.7	2180.1
77.5°	1399.8	1423.3	1746.0	2412.6	3263.3	3437.7	3002.4	2170.2	1752.2	1535.8	1529.6
80°	683.8	750.6	995.4	1570.5	2355.7	2520.1	2112.1	1387.4	1037.5	833.5	816.1
82.5°	280.7	295.5	484.7	869.3	1382.5	1493.8	1079.5	645.5	383.3	253.5	234.9
85°	84.1	85.3	148.4	310.4	582.4	421.7	217.6	92.7	40.8	29.7	28.4
87.5°	14.8	16.1	27.2	37.1	35.9	16.1	14.8	13.6	13.6	13.6	14.8
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)