

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: P233425

Luminaire Tested: **VERD-C02H8-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C02H8-D-U-T1-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 960mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14287 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

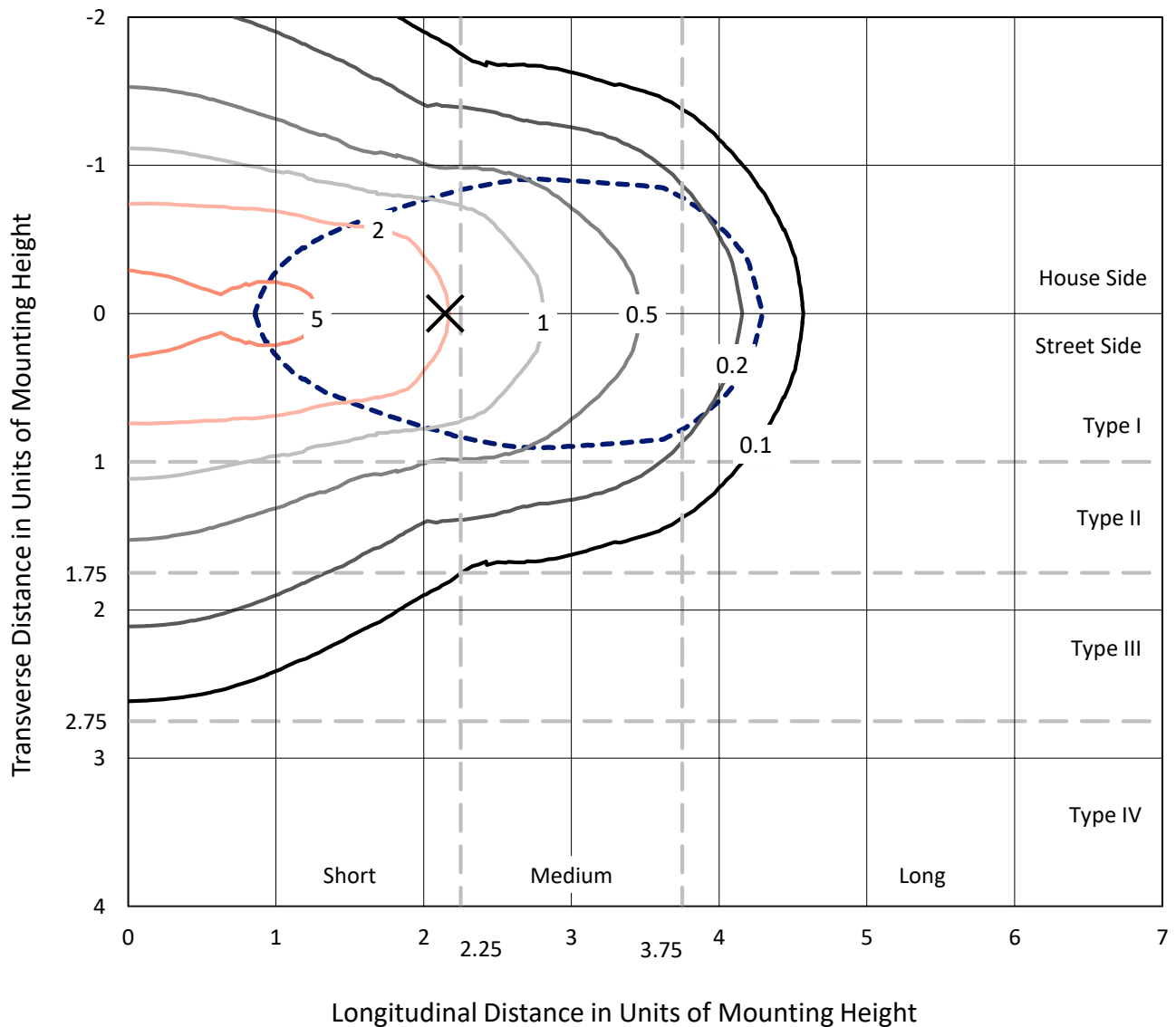
Input Watts (W): 110
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

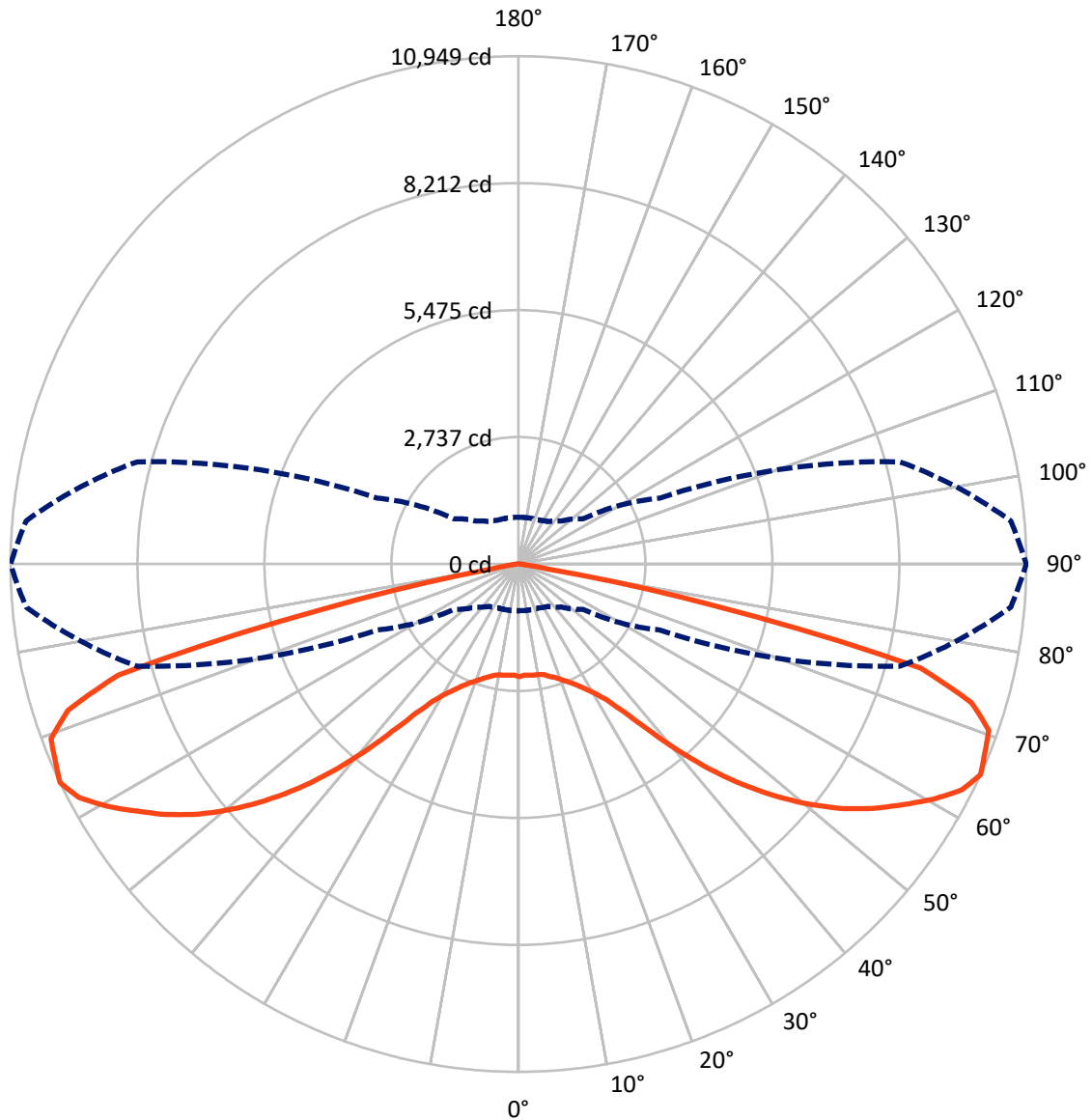
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Full Cutoff

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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	7143.5	0.0	7143.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7143.5	0.0	7143.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14287.0	0.0	14287.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.3	1.6
10°-20°	680.3	4.8
20°-30°	1115.6	7.8
30°-40°	1613.1	11.3
40°-50°	2362.1	16.5
50°-60°	3064.2	21.4
60°-70°	3240.6	22.7
70°-80°	1902.4	13.3
80°-90°	78.4	0.5
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°	14287.0	100.0
0°-180°	14287.0	100.0



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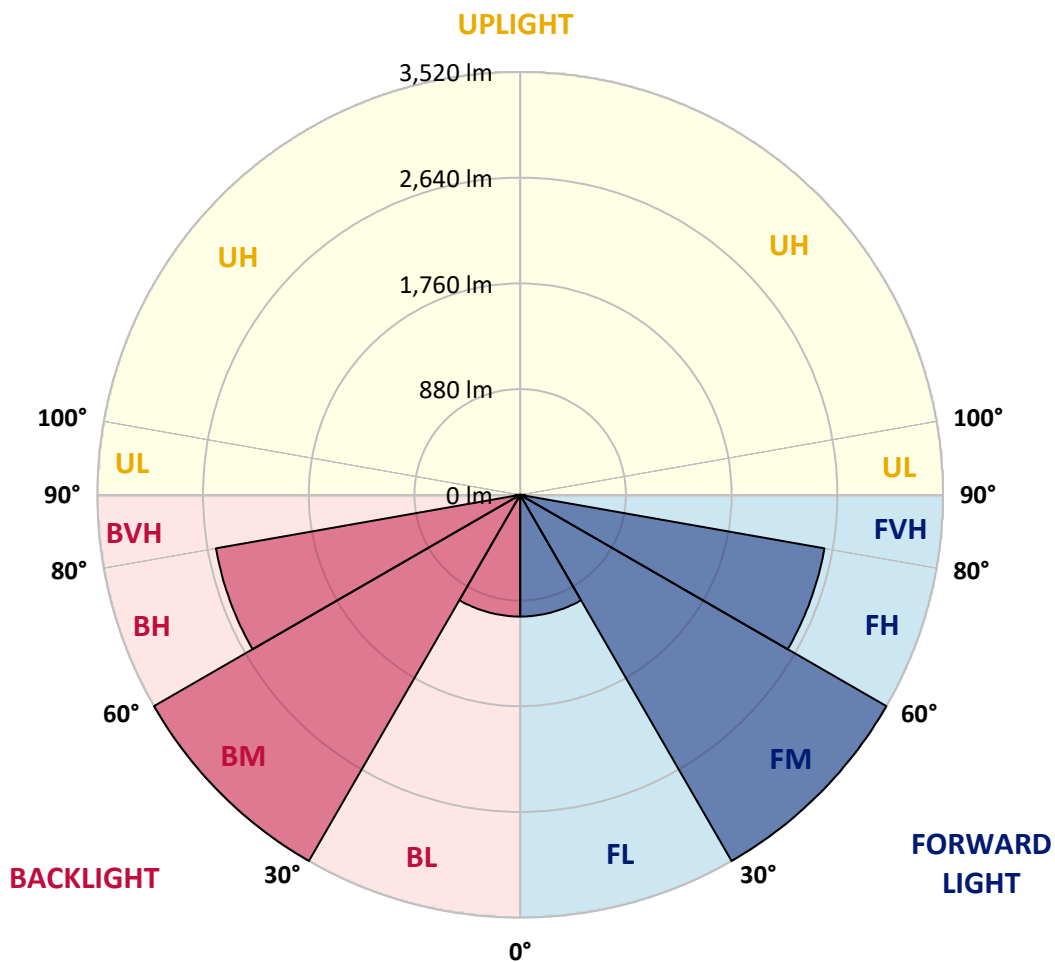
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1013.1	7.1			
FM (30°-60°)	3519.7	24.6			
FH (60°-80°)	2571.5	18.0			G2/5000
FVH (80°-90°)	39.2	0.3			G1/100
BL (0°-30°)	1013.1	7.1	B3/2500		
BM (30°-60°)	3519.7	24.6	B3/5000		
BH (60°-80°)	2571.5	18.0	B4/5000		G2/5000
BVH (80°-90°)	39.2	0.3			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2431.8	2431.8	2431.8	2431.8	2431.8	2431.8	2431.8	2431.8	2431.8	2431.8	2431.8
2.5°	2455.2	2452.7	2439.2	2419.4	2413.3	2418.2	2417.0	2410.8	2410.8	2413.3	2397.2
5°	2440.4	2436.7	2420.7	2415.7	2417.0	2423.1	2421.9	2417.0	2419.4	2417.0	2404.6
7.5°	2414.5	2410.8	2400.9	2398.5	2396.0	2405.9	2415.7	2421.9	2429.3	2425.6	2417.0
10°	2389.8	2382.4	2383.7	2371.3	2376.3	2394.8	2404.6	2415.7	2426.8	2425.6	2423.1
12.5°	2352.8	2345.4	2349.1	2345.4	2362.7	2384.9	2414.5	2435.5	2447.8	2444.1	2447.8
15°	2307.2	2304.7	2310.9	2315.8	2346.7	2397.2	2429.3	2474.9	2502.1	2503.3	2511.9
17.5°	2255.4	2250.5	2261.6	2280.1	2336.8	2392.3	2472.5	2523.0	2562.5	2568.6	2576.0
20°	2167.9	2170.3	2187.6	2219.7	2299.8	2399.7	2498.4	2574.8	2631.5	2646.3	2662.4
22.5°	2058.1	2064.3	2096.3	2162.9	2266.5	2391.1	2526.7	2635.2	2716.6	2749.9	2759.8
25°	1943.4	1953.3	2005.1	2093.9	2228.3	2387.4	2562.5	2705.5	2821.4	2874.5	2880.6
27.5°	1841.1	1849.7	1916.3	2029.8	2192.5	2388.6	2594.5	2790.6	2947.2	3024.9	3037.2
30°	1737.5	1747.4	1816.4	1957.0	2156.8	2386.1	2631.5	2886.8	3097.7	3208.6	3227.1
32.5°	1648.7	1658.6	1730.1	1876.8	2112.4	2382.4	2675.9	3003.9	3278.9	3459.0	3483.6
35°	1573.5	1584.6	1657.3	1801.6	2055.7	2383.7	2740.1	3164.3	3560.1	3857.3	3905.4
37.5°	1510.6	1521.7	1585.8	1731.3	1997.7	2373.8	2817.7	3366.5	3932.5	4424.5	4513.3
40°	1471.1	1481.0	1529.1	1658.6	1927.4	2351.6	2907.8	3590.9	4387.5	5105.2	5260.6
42.5°	1430.4	1441.5	1481.0	1592.0	1852.2	2318.3	2986.7	3816.6	4862.3	5819.2	6041.2
45°	1386.1	1393.5	1436.6	1536.5	1778.2	2266.5	3055.7	4032.4	5360.5	6544.3	6784.8
47.5°	1349.1	1352.8	1388.5	1481.0	1700.5	2190.1	3074.2	4217.4	5863.6	7249.7	7485.2
50°	1324.4	1318.2	1351.5	1431.7	1627.8	2084.0	3042.2	4355.5	6405.0	7923.0	8146.2
52.5°	1286.2	1284.9	1310.8	1383.6	1558.7	1961.9	2927.5	4422.1	6946.3	8553.1	8760.3
55°	1250.4	1250.4	1271.4	1328.1	1485.9	1836.2	2731.4	4394.9	7465.5	9149.9	9301.6
57.5°	1198.6	1197.4	1214.6	1266.4	1400.9	1717.8	2483.6	4269.2	7887.2	9702.4	9785.0
60°	1148.1	1146.8	1156.7	1196.2	1319.5	1590.8	2218.4	4022.5	8305.2	10190.7	10289.4
62.5°	1083.9	1082.7	1092.6	1127.1	1228.2	1455.1	1958.2	3721.6	8550.6	10471.9	10727.1
65°	1007.5	1008.7	1021.0	1043.2	1114.8	1309.6	1700.5	3362.8	8509.9	10654.4	10949.1
67.5°	934.7	931.0	940.9	944.6	997.6	1156.7	1460.0	3077.9	8199.2	10686.4	10846.8
70°	844.7	839.8	839.8	825.0	862.0	977.9	1234.4	2779.5	7316.3	10394.2	10759.2
72.5°	706.6	706.6	699.2	683.2	706.6	792.9	1028.4	2446.6	5927.7	9760.3	10212.9
75°	440.2	443.9	460.0	509.3	543.8	598.1	815.1	2061.8	4842.6	8120.3	8955.1
77.5°	225.7	230.6	236.8	238.0	246.6	257.7	388.4	1154.2	2461.4	4046.0	4316.0
80°	56.7	58.0	139.3	155.4	166.5	171.4	143.0	384.7	637.5	596.8	583.3
82.5°	38.2	40.7	80.2	98.7	91.3	69.1	78.9	117.1	95.0	129.5	145.5
85°	21.0	21.0	35.8	38.2	39.5	44.4	39.5	38.2	43.2	82.6	96.2
87.5°	9.9	9.9	14.8	18.5	18.5	22.2	18.5	19.7	19.7	38.2	44.4
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)