

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: P233426

Luminaire Tested: **VERD-C02H-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233426
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-C02H-D-U-T1-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1040mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15219 lumens
Efficiency: N/A
Efficacy: 126.8 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): 120
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

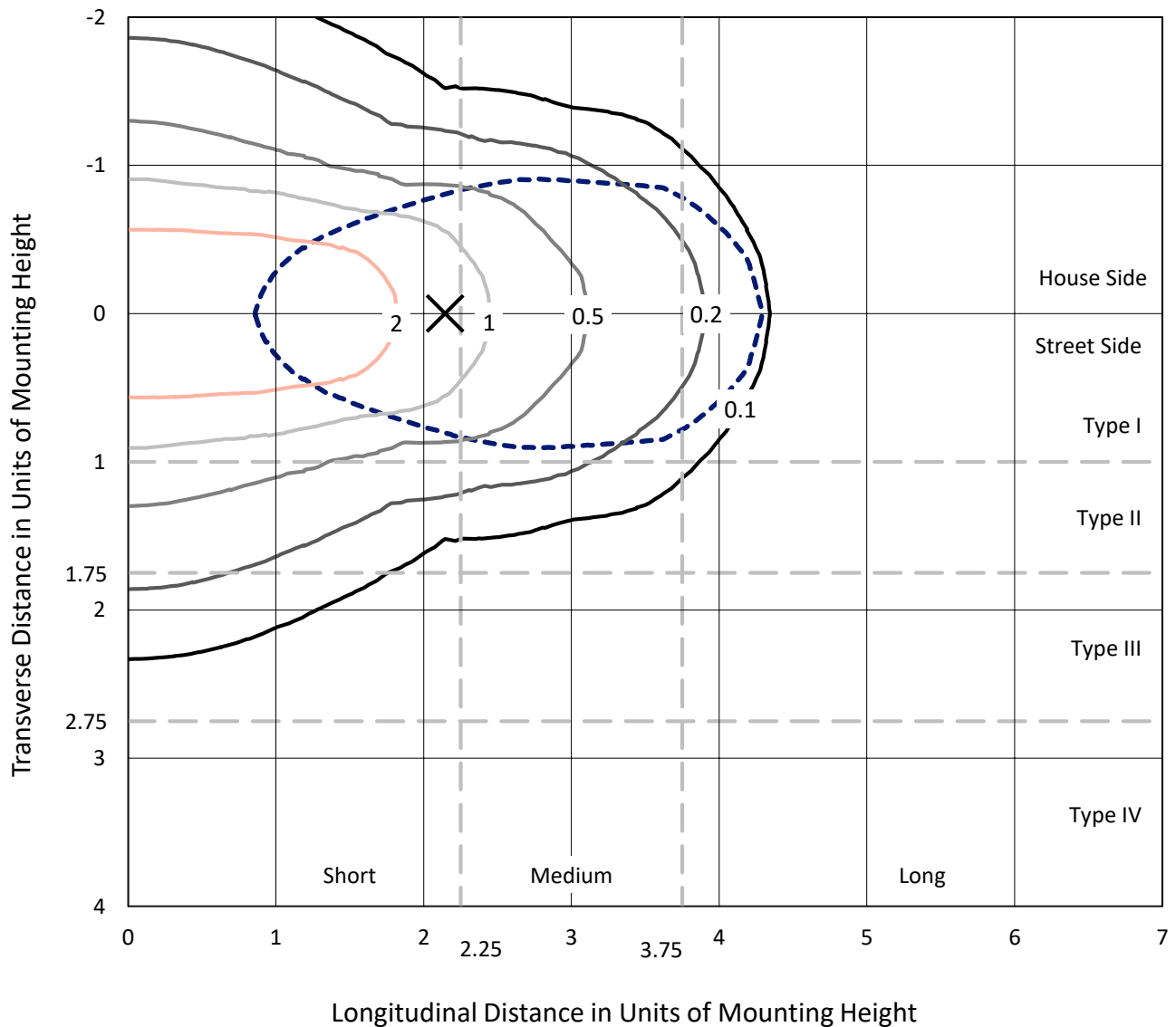


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

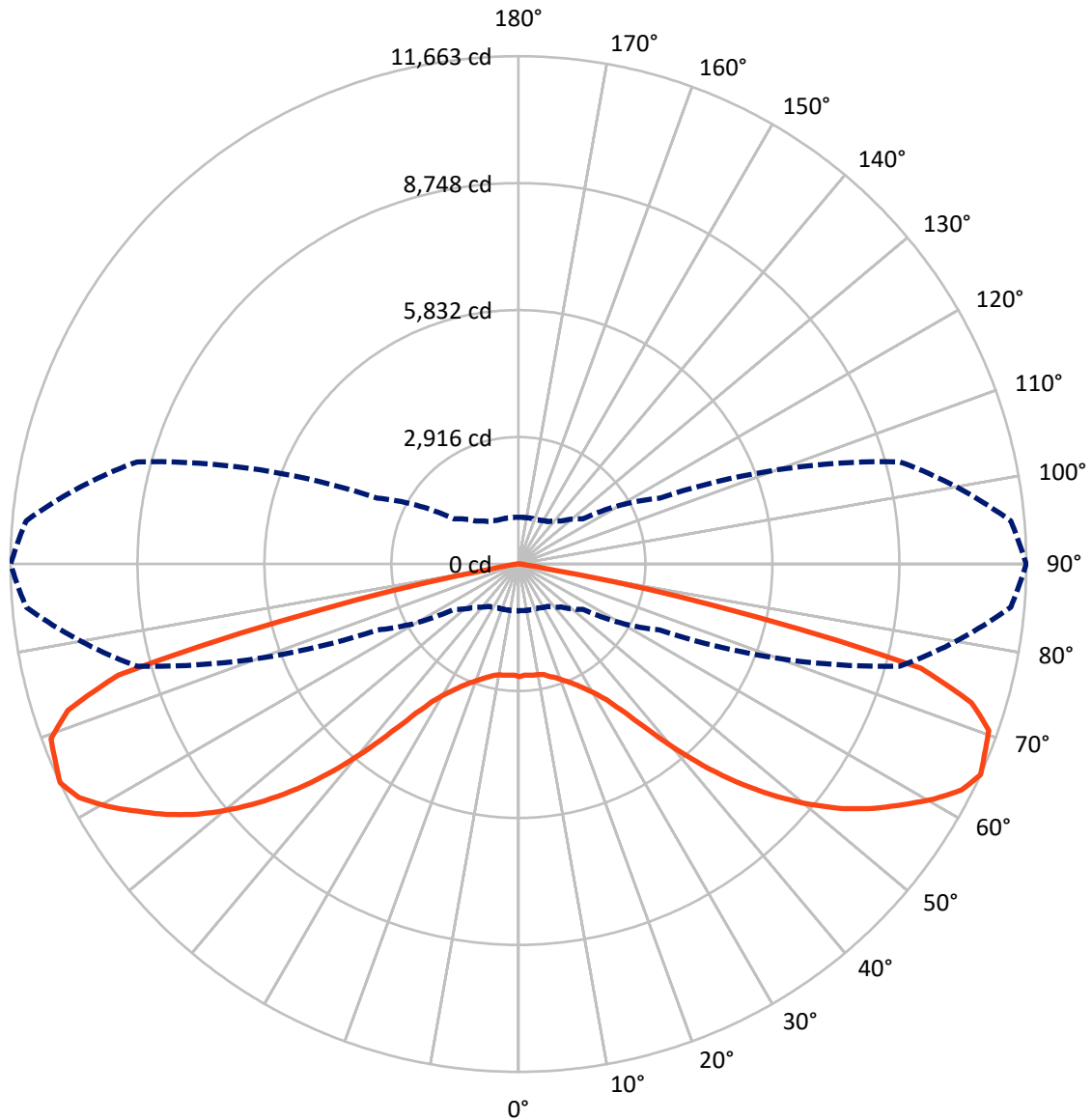


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Full Cutoff

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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	7609.5	0.0	7609.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7609.5	0.0	7609.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15219.0	0.0	15219.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.3	1.6
10°-20°	724.7	4.8
20°-30°	1188.4	7.8
30°-40°	1718.4	11.3
40°-50°	2516.2	16.5
50°-60°	3264.1	21.4
60°-70°	3452.0	22.7
70°-80°	2026.5	13.3
80°-90°	83.5	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°	15219.0	100.0
0°-180°	15219.0	100.0



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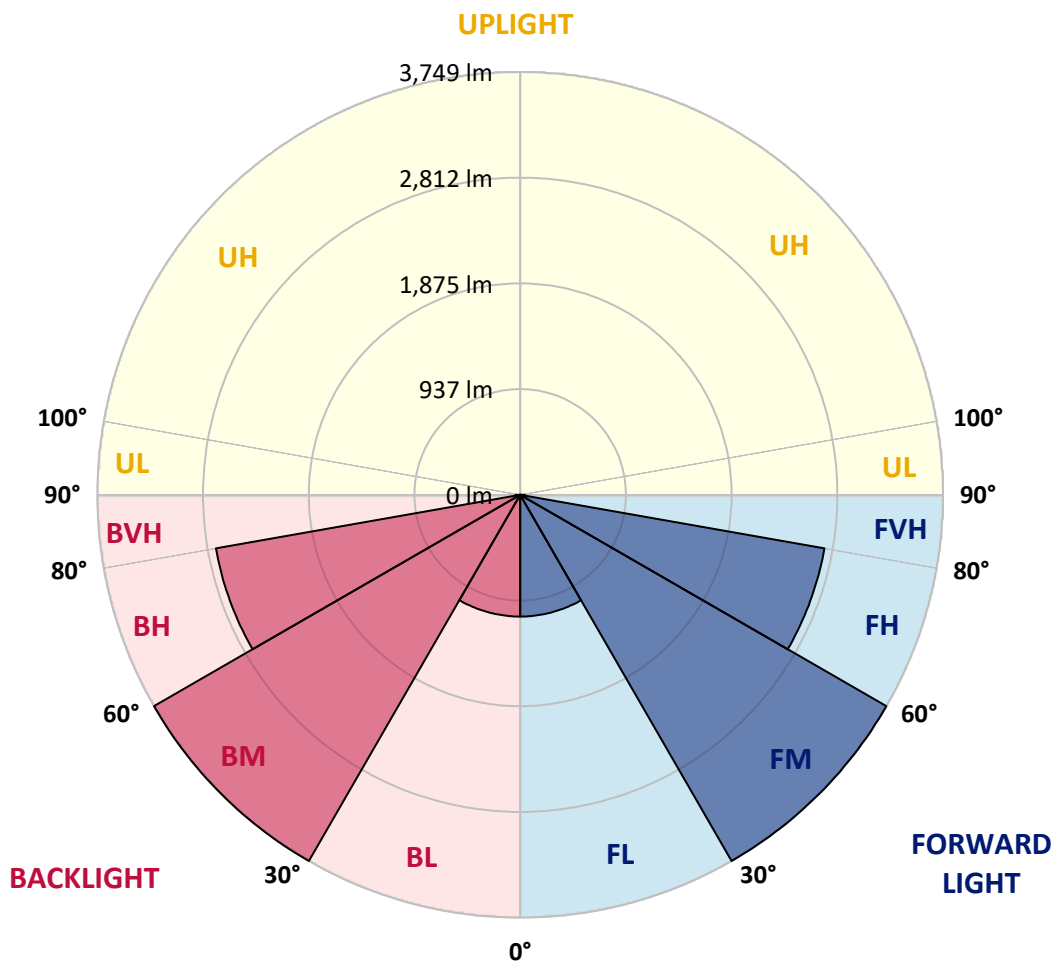
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1079.2	7.1			
FM	(30°-60°)	3749.3	24.6			
FH	(60°-80°)	2739.2	18.0			G2/5000
FVH	(80°-90°)	41.7	0.3			G1/100
BL	(0°-30°)	1079.2	7.1	B3/2500		
BM	(30°-60°)	3749.3	24.6	B3/5000		
BH	(60°-80°)	2739.2	18.0	B4/5000		G2/5000
BVH	(80°-90°)	41.7	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°	2590.4	2590.4	2590.4	2590.4	2590.4	2590.4	2590.4	2590.4	2590.4	2590.4	2590.4
2.5°	2615.4	2612.7	2598.3	2577.3	2570.7	2575.9	2574.6	2568.1	2568.1	2570.7	2553.6
5°	2599.6	2595.7	2578.6	2573.3	2574.6	2581.2	2579.9	2574.6	2577.3	2574.6	2561.5
7.5°	2572.0	2568.1	2557.6	2554.9	2552.3	2562.8	2573.3	2579.9	2587.8	2583.8	2574.6
10°	2545.7	2537.9	2539.2	2526.0	2531.3	2551.0	2561.5	2573.3	2585.1	2583.8	2581.2
12.5°	2506.3	2498.4	2502.4	2498.4	2516.8	2540.5	2572.0	2594.3	2607.5	2603.5	2607.5
15°	2457.7	2455.1	2461.7	2466.9	2499.8	2553.6	2587.8	2636.4	2665.3	2666.6	2675.8
17.5°	2402.6	2397.3	2409.1	2428.8	2489.3	2548.4	2633.7	2687.6	2729.6	2736.2	2744.1
20°	2309.3	2311.9	2330.3	2364.5	2449.8	2556.2	2661.3	2742.8	2803.2	2819.0	2836.0
22.5°	2192.4	2198.9	2233.1	2304.0	2414.4	2547.0	2691.5	2807.1	2893.8	2929.3	2939.8
25°	2070.2	2080.7	2135.9	2230.5	2373.7	2543.1	2729.6	2882.0	3005.5	3062.0	3068.5
27.5°	1961.2	1970.4	2041.3	2162.2	2335.6	2544.4	2763.8	2972.7	3139.5	3222.2	3235.4
30°	1850.8	1861.4	1934.9	2084.7	2297.5	2541.8	2803.2	3075.1	3299.7	3418.0	3437.7
32.5°	1756.3	1766.8	1843.0	1999.3	2250.2	2537.9	2850.5	3199.9	3492.8	3684.6	3710.9
35°	1676.1	1688.0	1765.5	1919.2	2189.8	2539.2	2918.8	3370.7	3792.3	4108.9	4160.1
37.5°	1609.1	1621.0	1689.3	1844.3	2128.0	2528.7	3001.6	3586.1	4189.0	4713.2	4807.7
40°	1567.1	1577.6	1628.9	1766.8	2053.1	2505.0	3097.4	3825.2	4673.7	5438.3	5603.8
42.5°	1523.8	1535.6	1577.6	1695.8	1973.0	2469.5	3181.5	4065.6	5179.5	6198.8	6435.3
45°	1476.5	1484.4	1530.3	1636.7	1894.2	2414.4	3255.1	4295.4	5710.2	6971.2	7227.4
47.5°	1437.1	1441.0	1479.1	1577.6	1811.4	2332.9	3274.8	4492.5	6246.1	7722.6	7973.5
50°	1410.8	1404.2	1439.7	1525.1	1733.9	2220.0	3240.6	4639.6	6822.8	8439.8	8677.6
52.5°	1370.1	1368.8	1396.3	1473.8	1660.4	2089.9	3118.5	4710.5	7399.4	9111.1	9331.7
55°	1332.0	1332.0	1354.3	1414.7	1582.9	1955.9	2909.6	4681.6	7952.5	9746.8	9908.4
57.5°	1276.8	1275.5	1293.9	1349.1	1492.2	1829.8	2645.6	4547.6	8401.7	10335.3	10423.3
60°	1223.0	1221.6	1232.1	1274.2	1405.5	1694.5	2363.1	4284.9	8847.0	10855.5	10960.6
62.5°	1154.6	1153.3	1163.8	1200.6	1308.3	1550.0	2086.0	3964.4	9108.4	11155.0	11426.9
65°	1073.2	1074.5	1087.7	1111.3	1187.5	1395.0	1811.4	3582.2	9065.1	11349.4	11663.4
67.5°	995.7	991.8	1002.3	1006.2	1062.7	1232.1	1555.3	3278.7	8734.1	11383.6	11554.3
70°	899.8	894.6	894.6	878.8	918.2	1041.7	1314.9	2960.8	7793.5	11072.2	11461.1
72.5°	752.7	752.7	744.8	727.7	752.7	844.6	1095.5	2606.2	6314.4	10397.1	10879.1
75°	469.0	472.9	490.0	542.5	579.3	637.1	868.3	2196.3	5158.5	8650.0	9539.3
77.5°	240.4	245.6	252.2	253.5	262.7	274.5	413.8	1229.5	2621.9	4309.9	4597.6
80°	60.4	61.7	148.4	165.5	177.3	182.6	152.4	409.8	679.1	635.8	621.3
82.5°	40.7	43.3	85.4	105.1	97.2	73.6	84.1	124.8	101.1	137.9	155.0
85°	22.3	22.3	38.1	40.7	42.0	47.3	42.0	40.7	46.0	88.0	102.5
87.5°	10.5	10.5	15.8	19.7	19.7	23.6	19.7	21.0	21.0	40.7	47.3
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)