

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: P233613

Luminaire Tested: **VERD-C01-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C01-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 1230mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6423 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

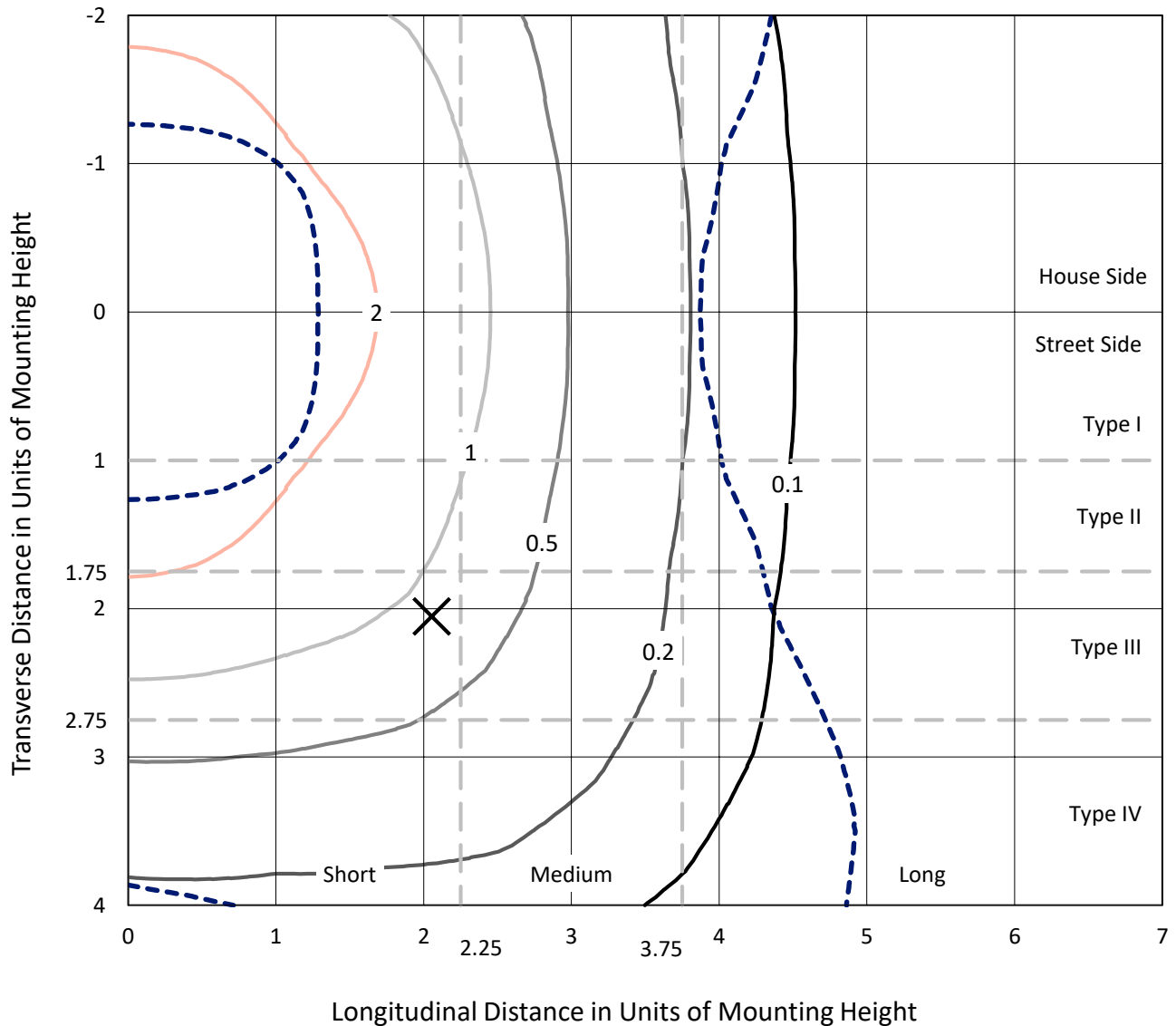
Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

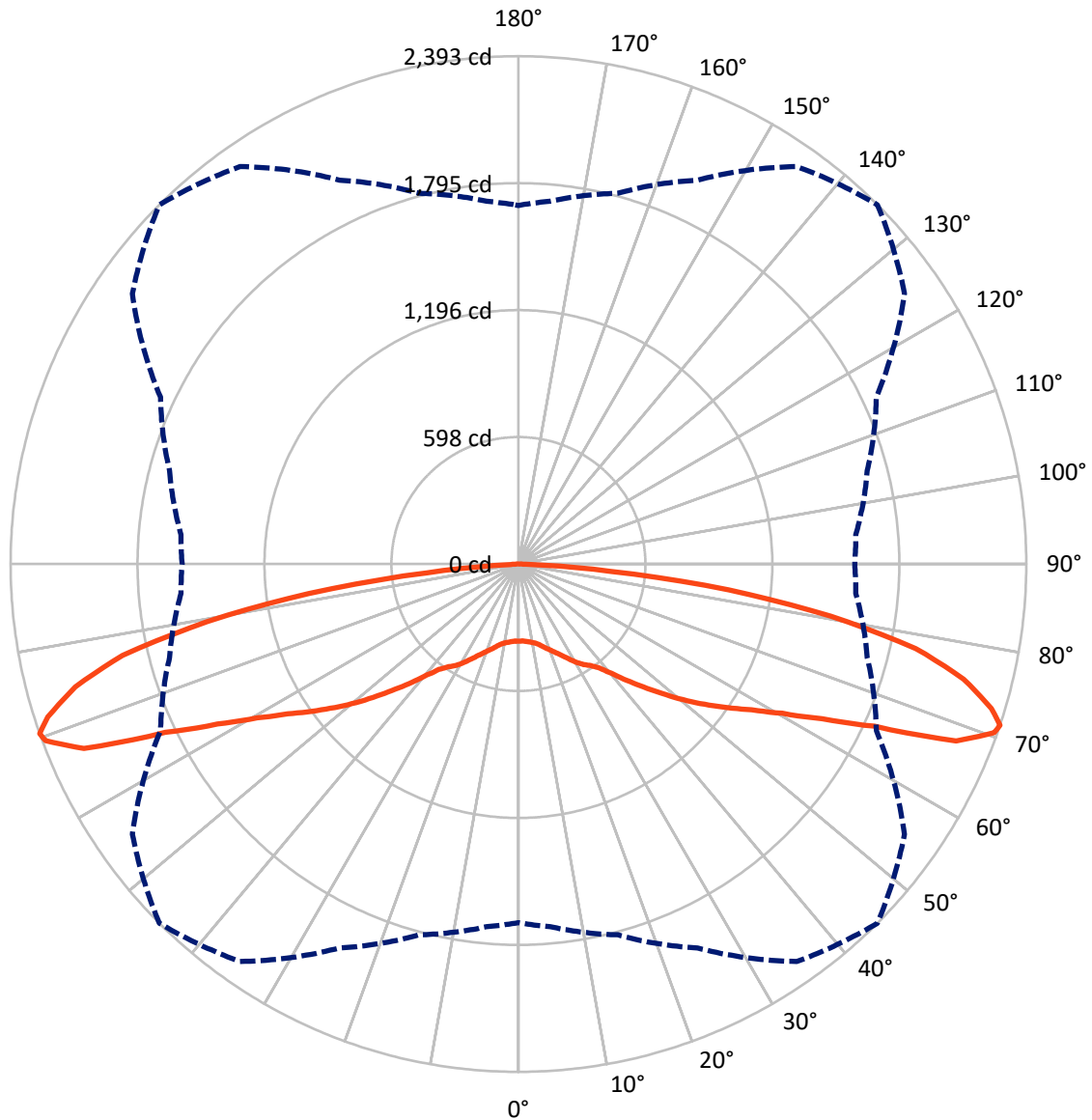


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233613

CATALOG NUMBER: VERD-C01-D-U-T5-8027

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3211.5	0.0	3211.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3211.5	0.0	3211.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6423.0	0.0	6423.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.4	0.6
10°-20°	113.5	1.8
20°-30°	218.9	3.4
30°-40°	370.2	5.8
40°-50°	673.2	10.5
50°-60°	1148.2	17.9
60°-70°	1841.2	28.7
70°-80°	1674.1	26.1
80°-90°	348.3	5.4
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°	6423.0	100.0
0°-180°	6423.0	100.0



REPORT NUMBER: P233613

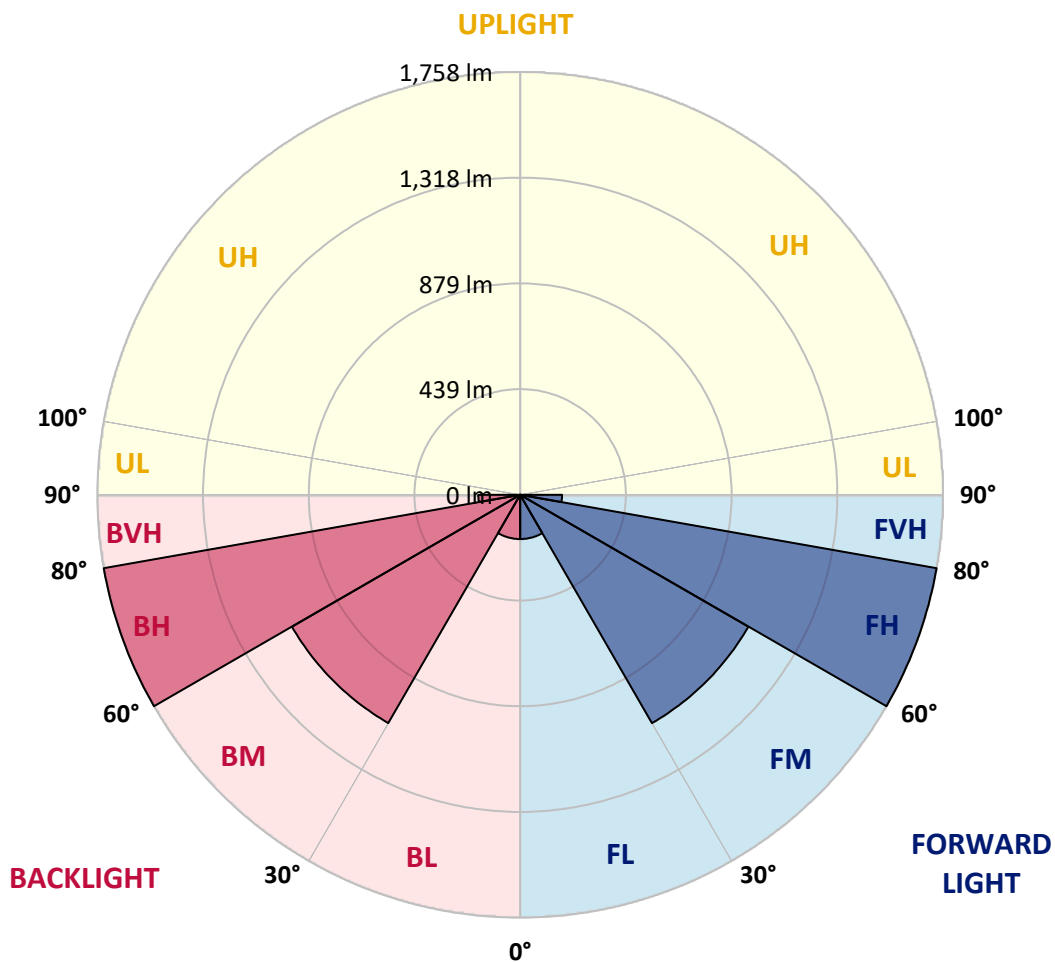
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.9	2.9			
FM (30°-60°)	1095.8	17.1			
FH (60°-80°)	1757.7	27.4			G1/1800
FVH (80°-90°)	174.1	2.7			G2/225
BL (0°-30°)	183.9	2.9	B1/500		
BM (30°-60°)	1095.8	17.1	B2/2500		
BH (60°-80°)	1757.7	27.4	B3/2500		G1/1800
BVH (80°-90°)	174.1	2.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P233613

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	363.9	363.9	363.9	363.9	363.9	363.9	363.9	363.9	363.9	363.9	363.9
2.5°	367.3	367.3	366.8	363.9	364.5	362.8	361.6	362.2	362.8	362.8	362.2
5°	370.2	370.2	369.6	367.3	367.9	366.2	365.6	366.2	367.3	368.5	367.3
7.5°	375.9	375.3	374.2	371.9	371.9	370.8	369.6	370.2	371.3	371.9	371.3
10°	382.2	381.6	379.9	377.6	377.6	376.5	374.2	374.2	374.2	373.6	373.1
12.5°	389.1	388.5	386.8	384.5	386.2	384.5	382.8	382.2	380.5	379.4	378.8
15°	400.0	399.4	397.7	395.9	400.5	398.2	395.4	392.5	391.4	390.2	389.1
17.5°	413.1	412.5	411.4	410.3	416.0	416.0	410.8	405.7	406.2	404.5	403.4
20°	428.6	428.0	426.8	428.0	434.3	433.7	426.8	420.6	422.8	419.4	418.3
22.5°	448.0	446.9	445.2	446.9	456.0	454.3	445.7	440.0	441.7	440.0	438.9
25°	469.2	466.9	464.6	466.9	481.8	478.3	469.8	462.9	466.3	465.2	464.6
27.5°	489.8	487.5	485.8	484.1	507.0	506.4	494.9	488.1	492.1	492.6	493.2
30°	509.8	509.2	506.4	504.1	528.7	536.7	517.2	514.4	517.2	520.7	521.8
32.5°	536.7	535.6	532.7	528.7	545.3	564.7	543.0	545.3	549.9	556.7	556.2
35°	572.8	569.9	565.9	561.9	572.2	587.6	577.9	582.5	590.5	598.5	597.4
37.5°	611.1	610.5	606.5	596.8	608.2	622.0	619.1	627.7	641.4	657.4	655.1
40°	666.0	666.6	658.0	645.4	655.1	677.5	680.3	698.1	722.1	745.0	745.5
42.5°	752.4	750.7	744.4	726.7	733.0	749.6	763.3	790.8	820.5	844.0	847.4
45°	859.4	857.1	844.5	816.5	814.8	826.8	846.8	882.3	918.3	941.2	943.0
47.5°	981.9	973.8	954.4	917.8	904.6	910.3	930.9	970.4	1007.6	1032.8	1031.1
50°	1102.6	1103.2	1079.7	1031.6	1005.3	1005.3	1017.3	1058.5	1096.3	1119.8	1120.3
52.5°	1238.8	1233.6	1210.7	1152.9	1110.0	1098.0	1102.0	1140.9	1179.8	1205.0	1205.0
55°	1376.1	1370.9	1348.6	1284.5	1229.0	1194.1	1190.1	1226.8	1269.1	1293.1	1296.0
57.5°	1517.4	1514.0	1490.5	1420.7	1351.5	1296.0	1286.8	1328.6	1373.2	1397.3	1399.0
60°	1664.5	1659.9	1636.4	1582.1	1497.4	1427.6	1410.4	1452.8	1506.0	1537.4	1535.7
62.5°	1835.6	1829.8	1811.5	1741.7	1681.6	1606.1	1572.3	1621.0	1684.5	1721.1	1724.0
65°	1972.9	1975.2	1992.3	1982.0	1926.0	1843.6	1809.8	1887.6	1924.2	1930.5	1926.0
67.5°	1936.8	1945.4	1983.2	2068.4	2169.7	2224.1	2091.3	1998.0	1928.2	1887.6	1881.9
70°	1781.2	1787.5	1877.9	2017.5	2285.9	2378.5	2210.9	1907.1	1760.6	1697.7	1690.2
71°	1689.6	1715.4	1808.7	1995.8	2286.4	2392.9	2220.6	1860.7	1701.7	1595.8	1584.4
72.5°	1550.0	1572.3	1689.6	1913.9	2253.2	2331.1	2117.6	1752.0	1567.8	1479.7	1450.5
75°	1263.9	1305.1	1408.7	1703.9	2101.6	2166.8	1933.4	1545.5	1348.1	1252.5	1245.1
77.5°	898.9	926.9	1083.7	1402.4	1852.7	1913.9	1709.1	1299.4	1090.6	1001.9	992.2
80°	499.5	527.5	692.9	985.9	1430.4	1492.2	1308.0	949.2	741.0	646.6	607.7
82.5°	223.7	240.3	362.2	584.2	917.8	997.9	794.8	521.8	357.0	252.9	232.3
85°	77.8	86.4	144.2	264.9	469.8	433.7	272.4	130.5	45.8	22.3	20.6
87.5°	14.9	16.6	31.5	73.8	76.7	35.5	11.4	8.6	8.6	9.2	9.2
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)