

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: P233408

Luminaire Tested: **VERD-C028-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233408
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-C028-D-U-T1-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 930mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8653 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 73
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

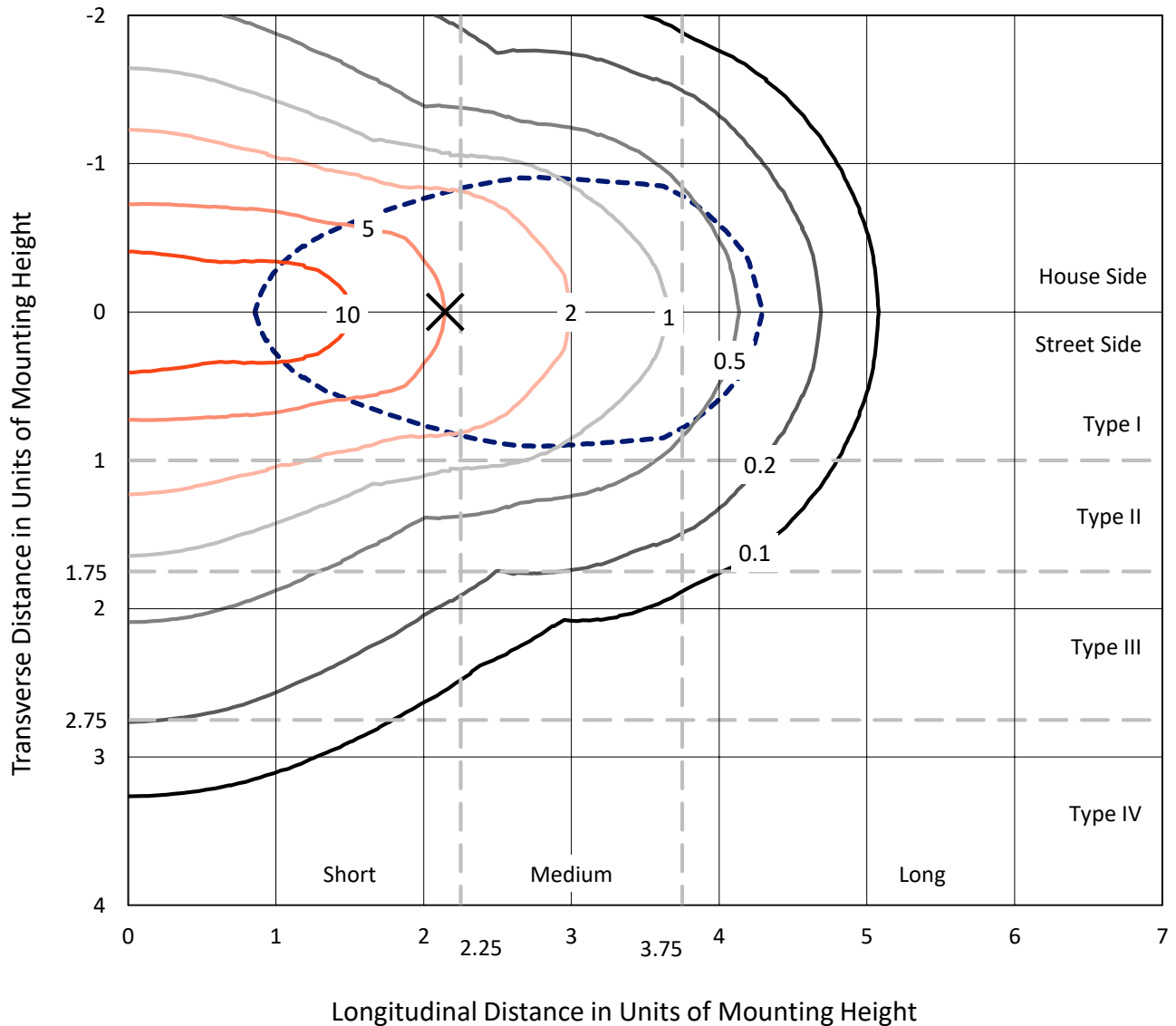


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

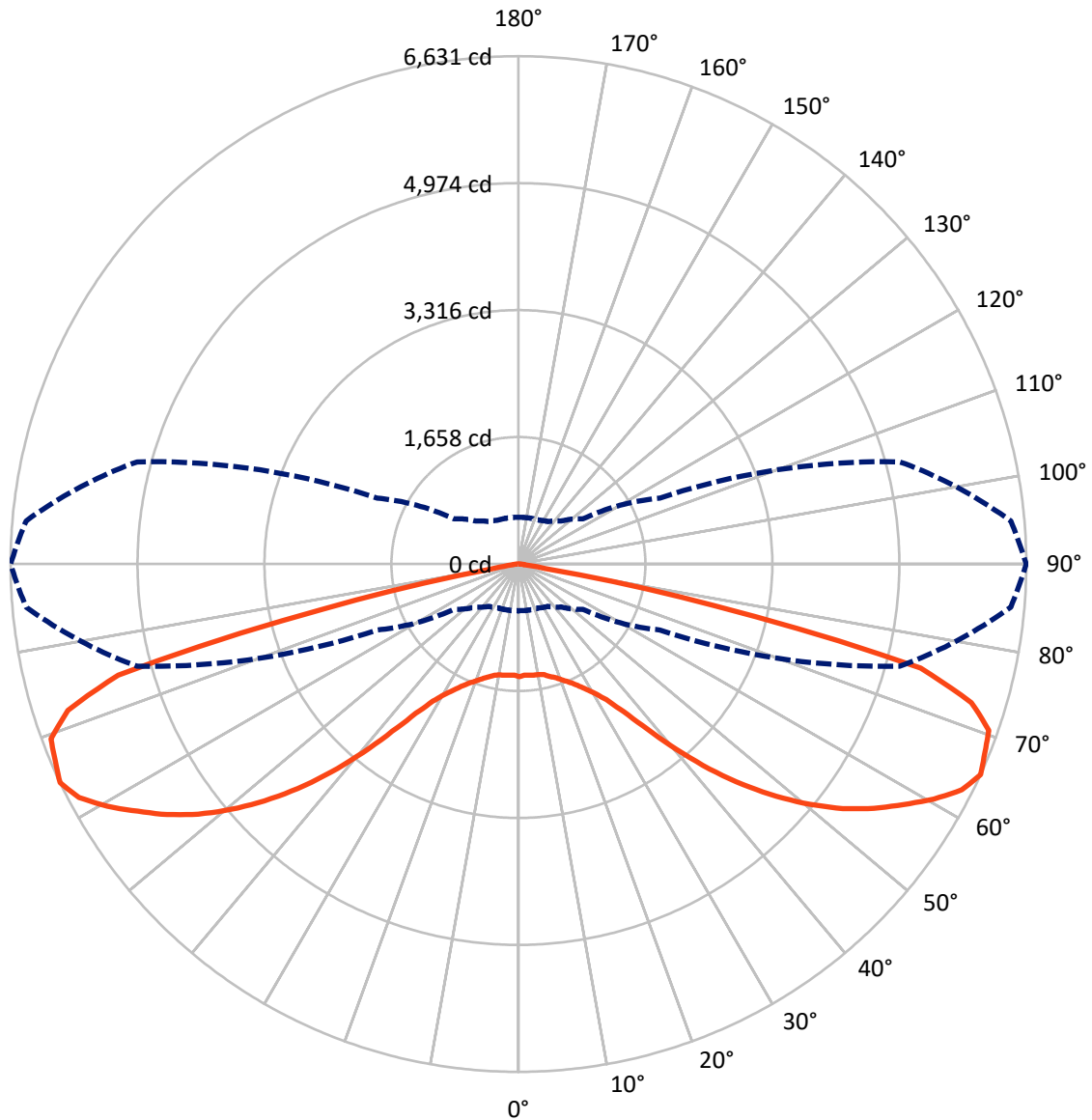


Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type V - Short - Full Cutoff

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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	4326.5	0.0	4326.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4326.5	0.0	4326.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8653.0	0.0	8653.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	1.6
10°-20°	412.1	4.8
20°-30°	675.7	7.8
30°-40°	977.0	11.3
40°-50°	1430.6	16.5
50°-60°	1855.9	21.4
60°-70°	1962.7	22.7
70°-80°	1152.2	13.3
80°-90°	47.5	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°	8653.0	100.0
0°-180°	8653.0	100.0



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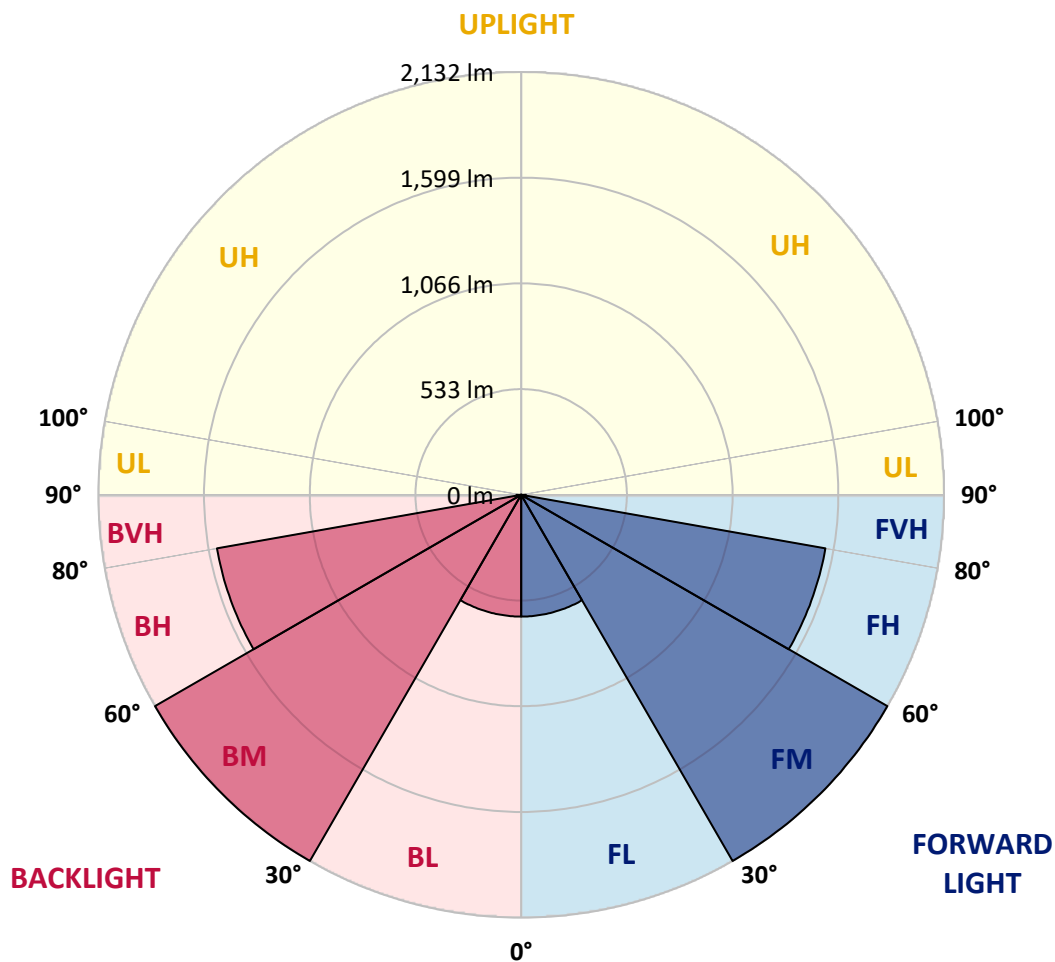
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	613.6	7.1			
FM	(30°-60°)	2131.7	24.6			
FH	(60°-80°)	1557.4	18.0			G1/1800
FVH	(80°-90°)	23.7	0.3			G1/100
BL	(0°-30°)	613.6	7.1	B2/1000		
BM	(30°-60°)	2131.7	24.6	B2/2500		
BH	(60°-80°)	1557.4	18.0	B3/2500		G1/1800
BVH	(80°-90°)	23.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1472.8	1472.8	1472.8	1472.8	1472.8	1472.8	1472.8	1472.8	1472.8	1472.8	1472.8
2.5°	1487.0	1485.5	1477.3	1465.3	1461.6	1464.6	1463.8	1460.1	1460.1	1461.6	1451.9
5°	1478.0	1475.8	1466.1	1463.1	1463.8	1467.6	1466.8	1463.8	1465.3	1463.8	1456.4
7.5°	1462.4	1460.1	1454.1	1452.6	1451.2	1457.1	1463.1	1466.8	1471.3	1469.1	1463.8
10°	1447.4	1442.9	1443.7	1436.2	1439.2	1450.4	1456.4	1463.1	1469.8	1469.1	1467.6
12.5°	1425.0	1420.5	1422.8	1420.5	1431.0	1444.4	1462.4	1475.1	1482.5	1480.3	1482.5
15°	1397.4	1395.9	1399.6	1402.6	1421.3	1451.9	1471.3	1499.0	1515.4	1516.1	1521.4
17.5°	1366.0	1363.0	1369.7	1380.9	1415.3	1448.9	1497.5	1528.1	1552.0	1555.7	1560.2
20°	1313.0	1314.5	1324.9	1344.4	1392.9	1453.4	1513.1	1559.4	1593.8	1602.8	1612.5
22.5°	1246.5	1250.2	1269.7	1310.0	1372.7	1448.2	1530.3	1596.0	1645.3	1665.5	1671.5
25°	1177.1	1183.0	1214.4	1268.2	1349.6	1445.9	1552.0	1638.6	1708.8	1740.9	1744.7
27.5°	1115.1	1120.3	1160.6	1229.3	1327.9	1446.7	1571.4	1690.1	1785.0	1832.1	1839.5
30°	1052.3	1058.3	1100.1	1185.3	1306.3	1445.2	1593.8	1748.4	1876.1	1943.3	1954.5
32.5°	998.6	1004.5	1047.8	1136.7	1279.4	1442.9	1620.7	1819.4	1985.9	2094.9	2109.9
35°	953.0	959.7	1003.8	1091.2	1245.0	1443.7	1659.5	1916.4	2156.2	2336.2	2365.3
37.5°	914.9	921.6	960.5	1048.6	1209.9	1437.7	1706.6	2038.9	2381.7	2679.7	2733.5
40°	891.0	897.0	926.1	1004.5	1167.3	1424.3	1761.1	2174.9	2657.3	3092.0	3186.1
42.5°	866.4	873.1	897.0	964.2	1121.8	1404.1	1808.9	2311.5	2944.9	3524.4	3658.9
45°	839.5	844.0	870.1	930.6	1077.0	1372.7	1850.7	2442.2	3246.6	3963.6	4109.2
47.5°	817.1	819.3	841.0	897.0	1029.9	1326.4	1861.9	2554.3	3551.3	4390.8	4533.4
50°	802.1	798.4	818.6	867.1	985.9	1262.2	1842.5	2637.9	3879.2	4798.6	4933.8
52.5°	779.0	778.2	793.9	838.0	944.0	1188.3	1773.0	2678.2	4207.1	5180.2	5305.7
55°	757.3	757.3	770.0	804.4	900.0	1112.1	1654.3	2661.8	4521.5	5541.7	5633.6
57.5°	725.9	725.2	735.7	767.0	848.4	1040.4	1504.2	2585.6	4776.9	5876.3	5926.3
60°	695.3	694.6	700.6	724.5	799.1	963.5	1343.6	2436.3	5030.1	6172.1	6231.8
62.5°	656.5	655.7	661.7	682.6	743.9	881.3	1186.0	2254.0	5178.7	6342.3	6496.9
65°	610.2	610.9	618.4	631.8	675.2	793.2	1029.9	2036.7	5154.1	6452.9	6631.4
67.5°	566.1	563.9	569.9	572.1	604.2	700.6	884.3	1864.2	4965.9	6472.3	6569.4
70°	511.6	508.6	508.6	499.7	522.1	592.3	747.6	1683.4	4431.1	6295.3	6516.4
72.5°	428.0	428.0	423.5	413.8	428.0	480.2	622.9	1481.8	3590.2	5911.4	6185.5
75°	266.6	268.9	278.6	308.5	329.4	362.2	493.7	1248.8	2932.9	4918.1	5423.7
77.5°	136.7	139.7	143.4	144.1	149.4	156.1	235.3	699.1	1490.7	2450.5	2614.0
80°	34.4	35.1	84.4	94.1	100.8	103.8	86.6	233.0	386.1	361.5	353.3
82.5°	23.2	24.6	48.5	59.7	55.3	41.8	47.8	71.0	57.5	78.4	88.1
85°	12.7	12.7	21.7	23.2	23.9	26.9	23.9	23.2	26.1	50.0	58.3
87.5°	6.0	6.0	9.0	11.2	11.2	13.4	11.2	11.9	11.9	23.2	26.9
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)