

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: P233419

Luminaire Tested: **VERD-C01H-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233419
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-C01H-D-U-T1-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1210mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9108 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: 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

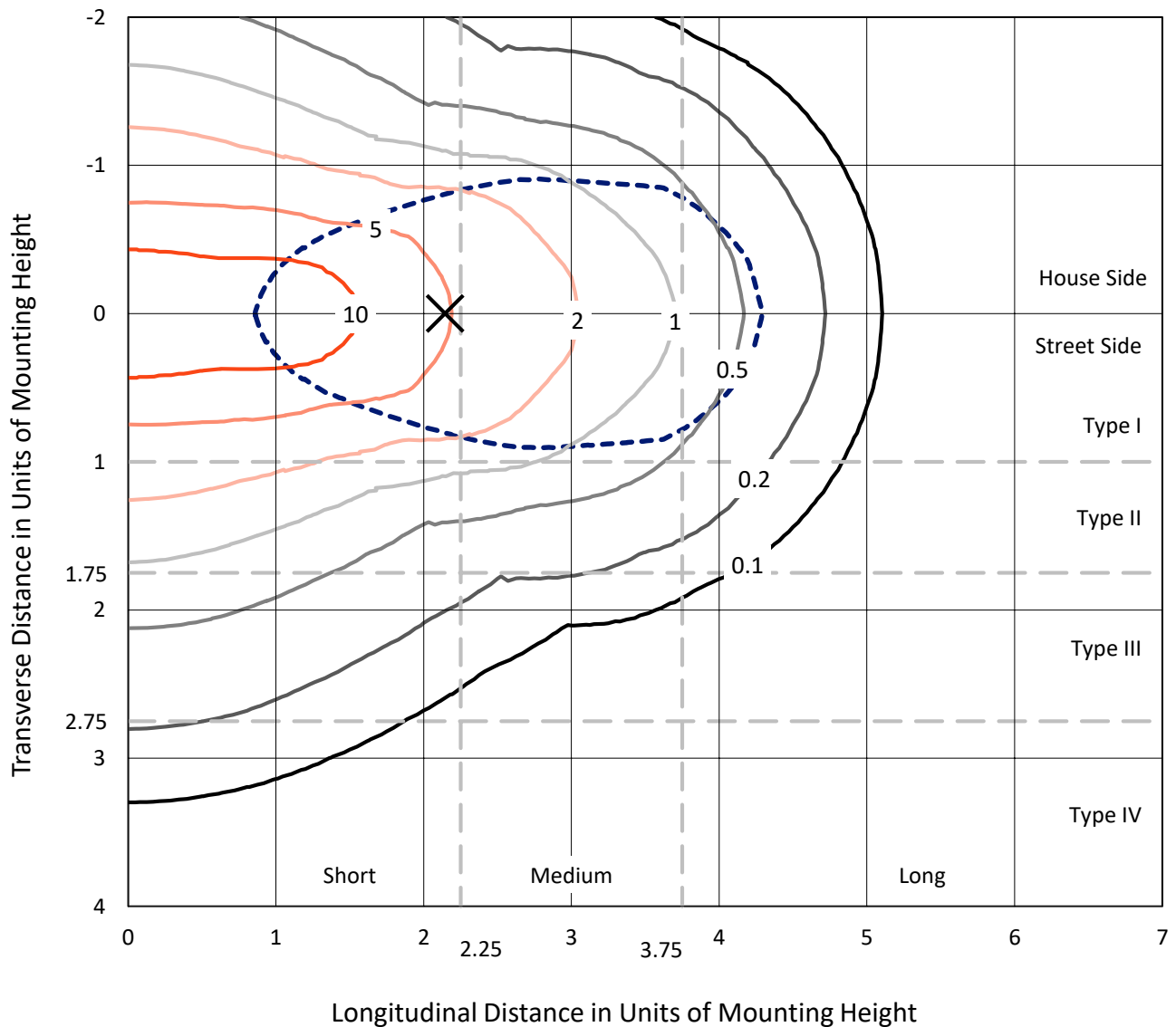


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

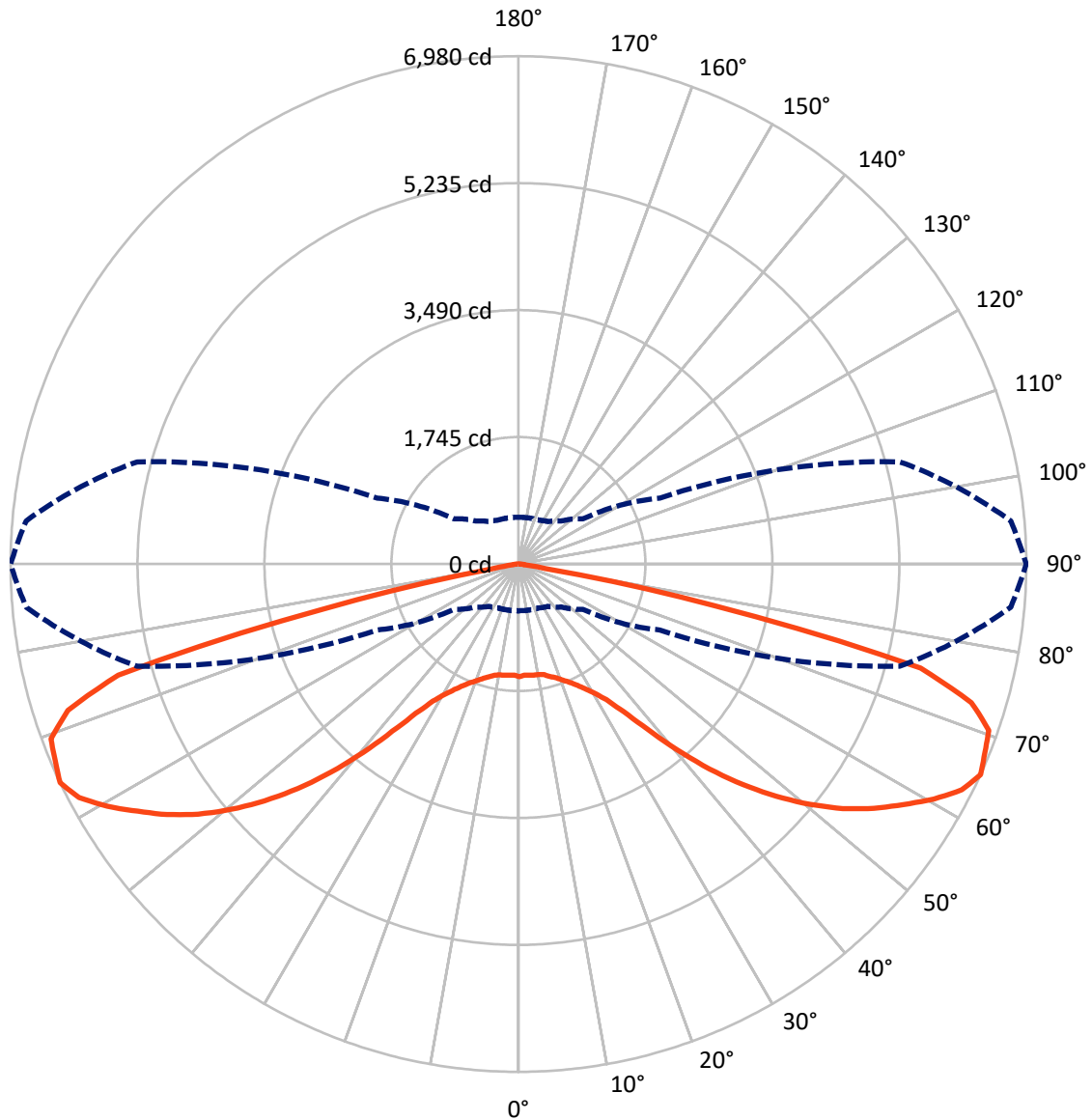


Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type V - Short - Full Cutoff

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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	4554.0	0.0	4554.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4554.0	0.0	4554.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9108.0	0.0	9108.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	1.6
10°-20°	433.7	4.8
20°-30°	711.2	7.8
30°-40°	1028.4	11.3
40°-50°	1505.8	16.5
50°-60°	1953.5	21.4
60°-70°	2065.9	22.7
70°-80°	1212.8	13.3
80°-90°	50.0	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°	9108.0	100.0
0°-180°	9108.0	100.0



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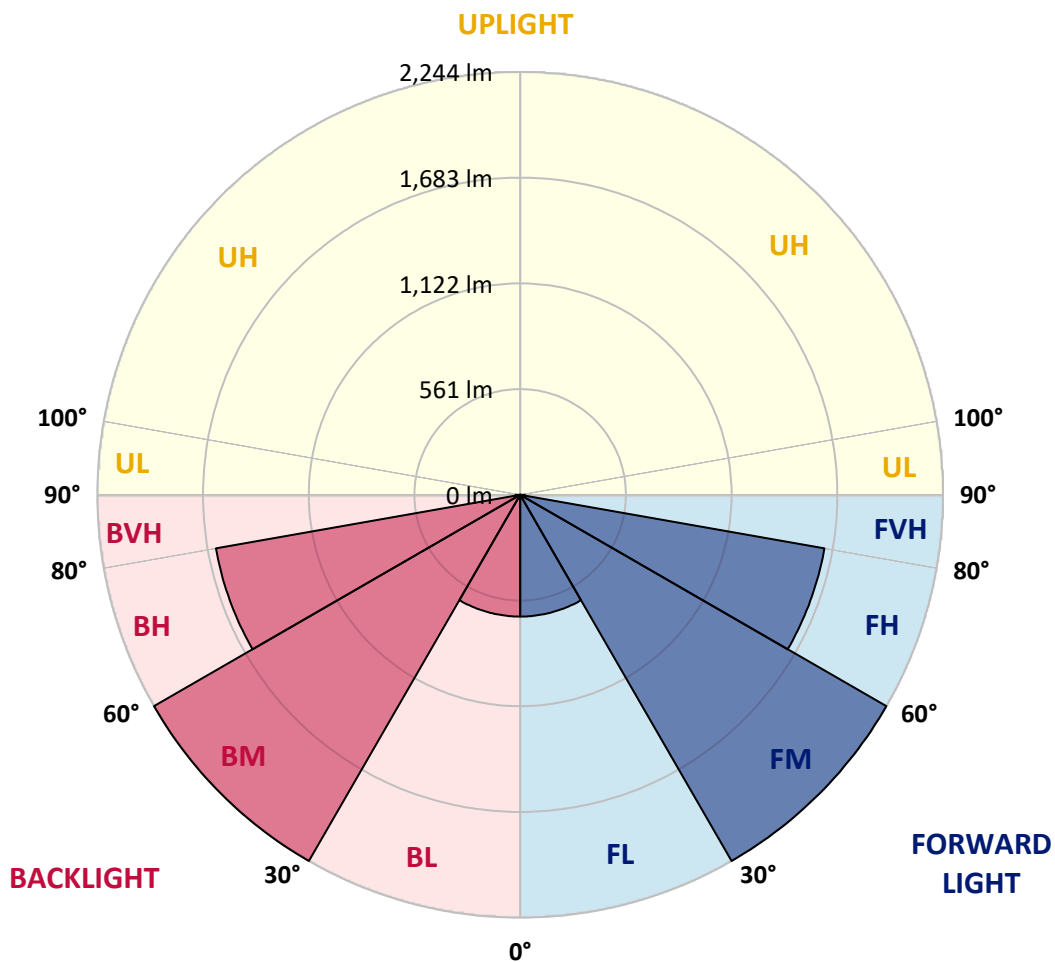
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.9	7.1			
FM	(30°-60°)	2243.8	24.6			
FH	(60°-80°)	1639.3	18.0			G1/1800
FVH	(80°-90°)	25.0	0.3			G1/100
BL	(0°-30°)	645.9	7.1	B2/1000		
BM	(30°-60°)	2243.8	24.6	B2/2500		
BH	(60°-80°)	1639.3	18.0	B3/2500		G1/1800
BVH	(80°-90°)	25.0	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°	1550.3	1550.3	1550.3	1550.3	1550.3	1550.3	1550.3	1550.3	1550.3	1550.3	1550.3
2.5°	1565.2	1563.6	1555.0	1542.4	1538.5	1541.6	1540.8	1536.9	1536.9	1538.5	1528.2
5°	1555.8	1553.4	1543.2	1540.0	1540.8	1544.8	1544.0	1540.8	1542.4	1540.8	1533.0
7.5°	1539.2	1536.9	1530.6	1529.0	1527.5	1533.7	1540.0	1544.0	1548.7	1546.3	1540.8
10°	1523.5	1518.8	1519.6	1511.7	1514.9	1526.7	1533.0	1540.0	1547.1	1546.3	1544.8
12.5°	1499.9	1495.2	1497.6	1495.2	1506.2	1520.4	1539.2	1552.6	1560.5	1558.1	1560.5
15°	1470.9	1469.3	1473.2	1476.4	1496.0	1528.2	1548.7	1577.8	1595.1	1595.9	1601.4
17.5°	1437.8	1434.7	1441.8	1453.6	1489.7	1525.1	1576.2	1608.4	1633.6	1637.5	1642.2
20°	1382.0	1383.6	1394.6	1415.0	1466.1	1529.8	1592.7	1641.4	1677.6	1687.0	1697.3
22.5°	1312.1	1316.0	1336.4	1378.9	1444.9	1524.3	1610.8	1680.0	1731.9	1753.1	1759.4
25°	1238.9	1245.2	1278.3	1334.9	1420.5	1522.0	1633.6	1724.8	1798.7	1832.5	1836.4
27.5°	1173.7	1179.2	1221.7	1294.0	1397.7	1522.7	1654.0	1779.0	1878.9	1928.4	1936.2
30°	1107.7	1114.0	1158.0	1247.6	1374.9	1521.2	1677.6	1840.3	1974.8	2045.5	2057.3
32.5°	1051.1	1057.3	1102.9	1196.5	1346.6	1518.8	1705.9	1915.0	2090.3	2205.1	2220.8
35°	1003.1	1010.2	1056.6	1148.5	1310.5	1519.6	1746.8	2017.2	2269.6	2459.0	2489.7
37.5°	963.0	970.1	1011.0	1103.7	1273.5	1513.3	1796.3	2146.1	2507.0	2820.6	2877.2
40°	937.9	944.1	974.8	1057.3	1228.7	1499.2	1853.7	2289.2	2797.1	3254.6	3353.6
42.5°	911.9	919.0	944.1	1014.9	1180.8	1477.9	1904.0	2433.1	3099.7	3709.8	3851.3
45°	883.6	888.3	915.8	979.5	1133.6	1444.9	1948.0	2570.7	3417.3	4172.0	4325.3
47.5°	860.0	862.4	885.2	944.1	1084.1	1396.2	1959.8	2688.6	3738.1	4621.7	4771.8
50°	844.3	840.4	861.6	912.7	1037.7	1328.6	1939.4	2776.6	4083.2	5050.9	5193.2
52.5°	819.9	819.2	835.7	882.0	993.7	1250.7	1866.3	2819.1	4428.3	5452.6	5584.7
55°	797.1	797.1	810.5	846.7	947.3	1170.6	1741.3	2801.8	4759.3	5833.1	5929.8
57.5°	764.1	763.3	774.3	807.4	893.0	1095.1	1583.3	2721.6	5028.1	6185.3	6238.0
60°	731.9	731.1	737.4	762.5	841.2	1014.1	1414.3	2564.4	5294.6	6496.6	6559.5
62.5°	691.0	690.2	696.5	718.5	783.0	927.6	1248.4	2372.6	5451.1	6675.8	6838.6
65°	642.3	643.1	650.9	665.1	710.7	834.9	1084.1	2143.8	5425.1	6792.2	6980.1
67.5°	595.9	593.5	599.8	602.2	636.0	737.4	930.8	1962.2	5227.0	6812.6	6914.8
70°	538.5	535.4	535.4	525.9	549.5	623.4	786.9	1771.9	4664.1	6626.3	6859.0
72.5°	450.5	450.5	445.7	435.5	450.5	505.5	655.6	1559.7	3778.9	6222.2	6510.8
75°	280.6	283.0	293.2	324.7	346.7	381.3	519.6	1314.4	3087.1	5176.7	5708.9
77.5°	143.9	147.0	150.9	151.7	157.2	164.3	247.6	735.8	1569.1	2579.3	2751.5
80°	36.2	36.9	88.8	99.1	106.1	109.3	91.2	245.3	406.4	380.5	371.8
82.5°	24.4	25.9	51.1	62.9	58.2	44.0	50.3	74.7	60.5	82.5	92.8
85°	13.4	13.4	22.8	24.4	25.2	28.3	25.2	24.4	27.5	52.7	61.3
87.5°	6.3	6.3	9.4	11.8	11.8	14.2	11.8	12.6	12.6	24.4	28.3
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)