

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: P507647

Luminaire Tested: **VERD-S-CA1-60-750-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-750-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1150mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9218 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 63.3
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: 24 FT

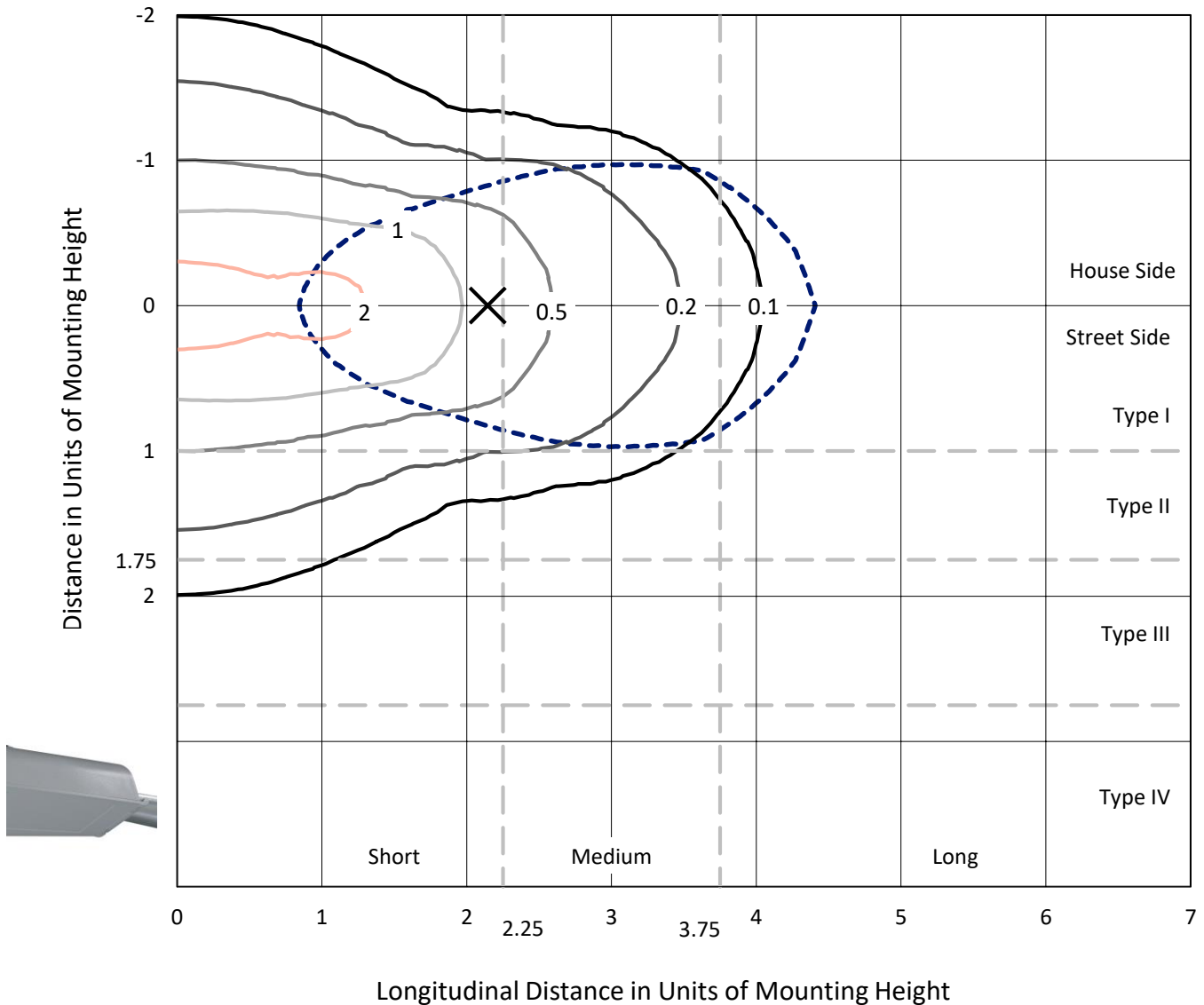


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Iso-Footcandle Lines of Horizontal Illumination

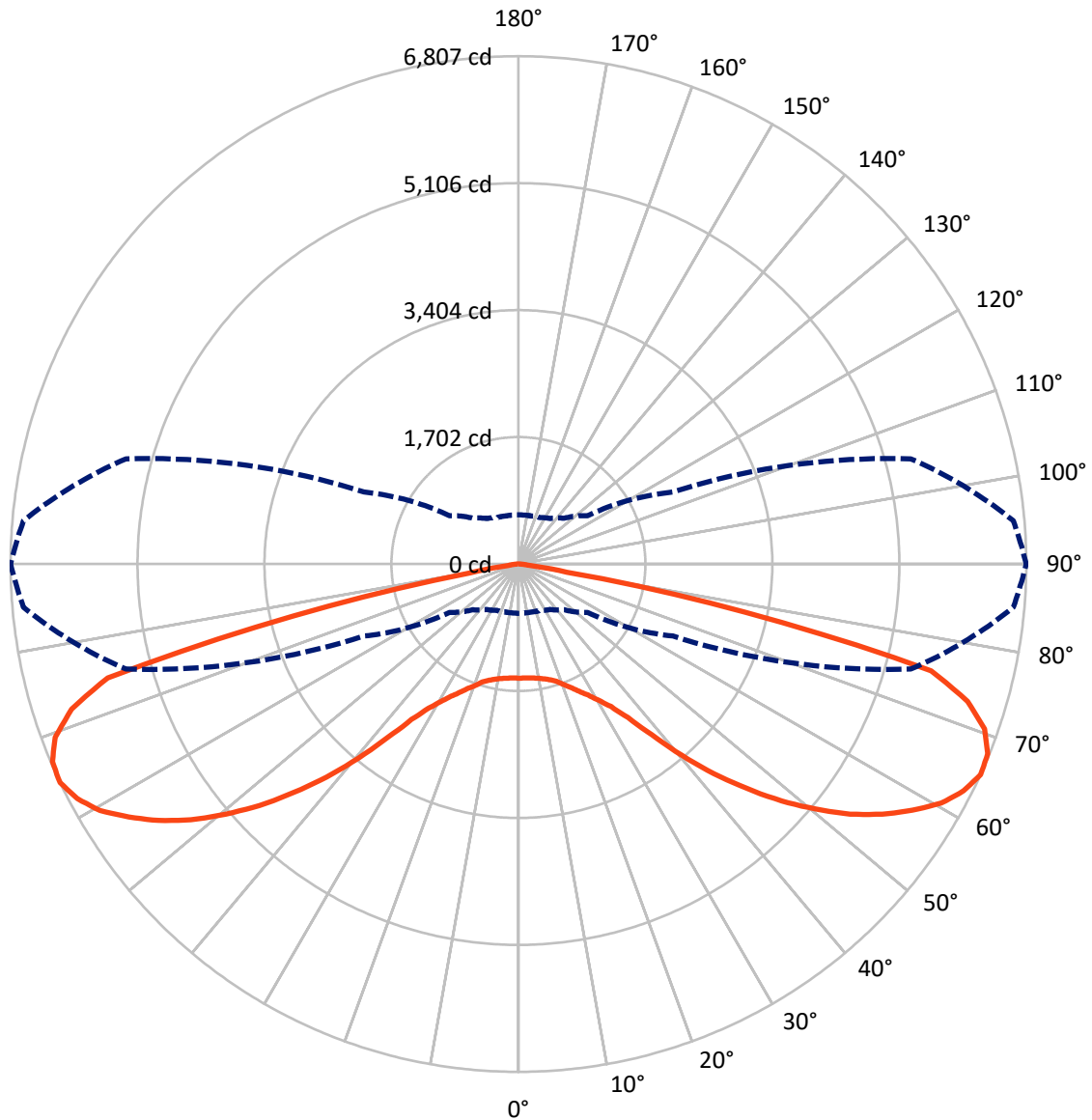
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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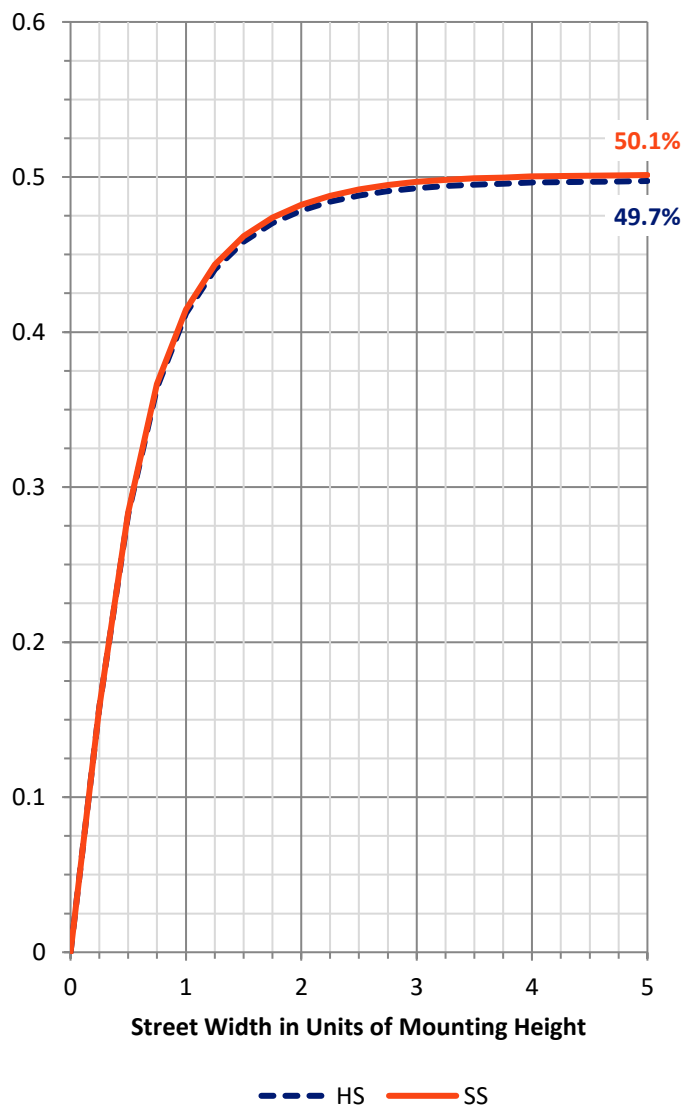
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4609.0	0.0	4609.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4609.0	0.0	4609.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9218.0	0.0	9218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.6
10°-20°	437.2	4.7
20°-30°	724.0	7.9
30°-40°	1048.0	11.4
40°-50°	1517.0	16.5
50°-60°	1974.5	21.4
60°-70°	2085.5	22.6
70°-80°	1227.5	13.3
80°-90°	58.0	0.6
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°	9218.0	100.0
0°-180°	9218.0	100.0

Coefficient of Utilization



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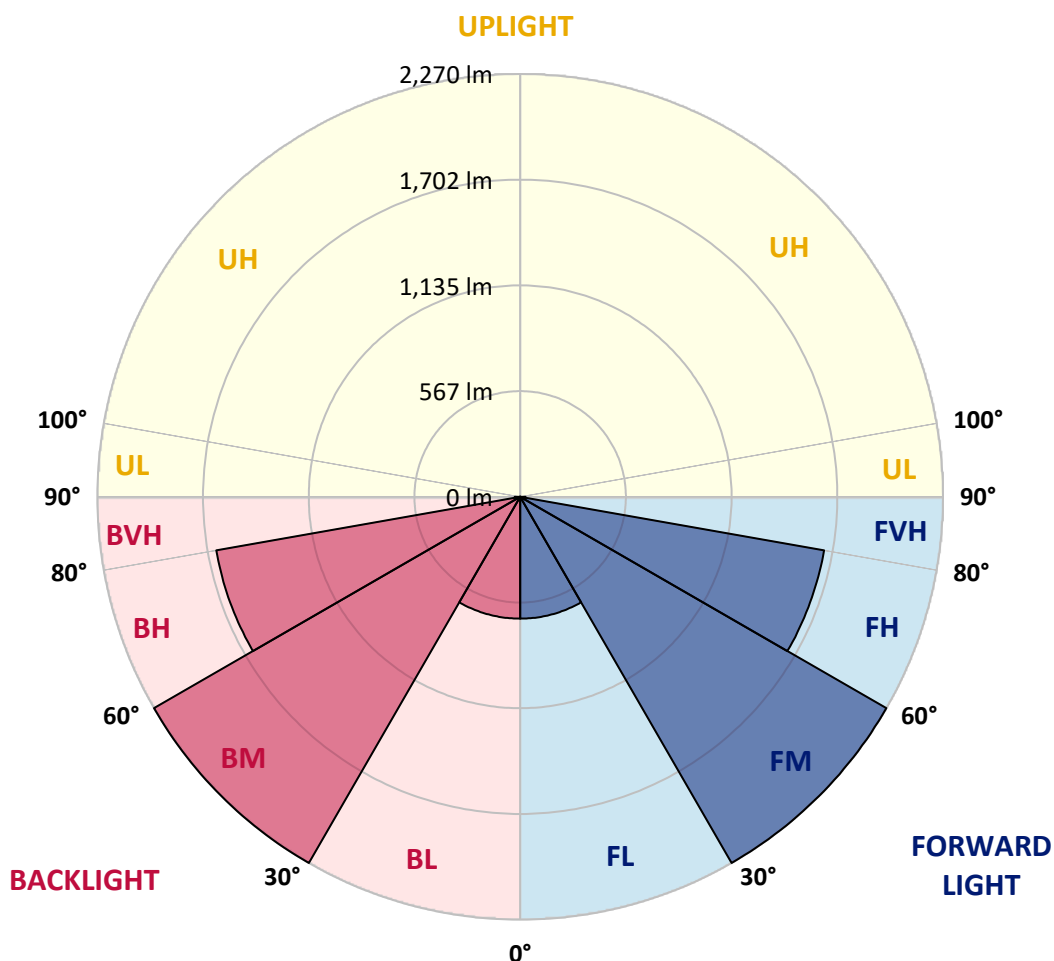
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.8	7.1			
FM	(30°-60°)	2269.7	24.6			
FH	(60°-80°)	1656.5	18.0			G1/1800
FVH	(80°-90°)	29.0	0.3			G1/100
BL	(0°-30°)	653.8	7.1	B2/1000		
BM	(30°-60°)	2269.7	24.6	B2/2500		
BH	(60°-80°)	1656.5	18.0	B3/2500		G3/2500
BVH	(80°-90°)	29.0	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-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8	1530.8
2.5°	1535.9	1535.9	1538.4	1535.9	1535.9	1535.9	1535.9	1533.4	1530.8	1528.3	1528.3
5°	1533.4	1533.4	1533.4	1535.9	1535.9	1538.4	1538.4	1535.9	1535.9	1535.9	1533.4
7.5°	1523.3	1525.8	1525.8	1528.3	1530.8	1535.9	1538.4	1540.9	1543.4	1543.4	1543.4
10°	1510.8	1510.8	1513.3	1518.3	1525.8	1530.8	1543.4	1550.9	1555.9	1558.4	1558.4
12.5°	1490.8	1490.8	1495.8	1505.8	1520.8	1535.9	1550.9	1565.9	1575.9	1581.0	1581.0
15°	1465.7	1465.7	1473.2	1488.3	1515.8	1543.4	1568.4	1591.0	1606.0	1613.5	1611.0
17.5°	1428.1	1428.1	1438.1	1465.7	1508.3	1553.4	1596.0	1623.6	1646.1	1653.6	1653.6
20°	1378.0	1378.0	1395.6	1433.1	1493.3	1560.9	1621.0	1663.6	1696.2	1718.8	1723.8
22.5°	1315.4	1315.4	1342.9	1395.6	1468.2	1555.9	1638.6	1711.2	1768.9	1793.9	1796.4
25°	1242.7	1247.7	1285.3	1353.0	1445.7	1553.4	1666.1	1766.4	1841.5	1881.6	1889.1
27.5°	1175.1	1180.1	1227.7	1312.9	1423.1	1555.9	1691.2	1826.5	1934.2	1981.8	1989.4
30°	1112.4	1117.4	1167.6	1267.8	1405.6	1558.4	1721.3	1886.6	2029.4	2104.6	2119.6
32.5°	1057.3	1062.3	1112.4	1220.2	1380.5	1560.9	1758.8	1966.8	2152.2	2265.0	2277.5
35°	1009.7	1014.7	1067.3	1170.1	1347.9	1565.9	1803.9	2062.0	2315.1	2498.0	2528.0
37.5°	969.6	974.6	1019.7	1122.5	1310.4	1565.9	1851.6	2172.3	2528.0	2846.2	2901.3
40°	939.6	944.6	979.6	1074.9	1265.3	1555.9	1894.1	2292.5	2781.1	3282.2	3372.4
42.5°	912.0	919.5	949.6	1032.3	1217.7	1535.9	1939.2	2412.8	3079.2	3735.7	3843.4
45°	884.4	892.0	924.5	999.7	1167.6	1505.8	1966.8	2530.5	3415.0	4196.7	4289.4
47.5°	866.9	866.9	894.5	964.6	1119.9	1453.2	1974.3	2640.8	3760.7	4637.6	4745.4
50°	849.4	849.4	871.9	932.0	1069.8	1385.5	1946.8	2746.0	4121.5	5056.1	5161.3
52.5°	826.8	824.3	846.9	902.0	1022.2	1300.3	1881.6	2816.2	4489.8	5451.9	5569.7
55°	799.2	799.2	816.8	866.9	977.1	1215.2	1763.9	2848.7	4830.6	5795.2	5920.5
57.5°	769.2	766.7	784.2	824.3	927.0	1132.5	1606.0	2826.2	5108.7	6120.9	6226.1
60°	741.6	739.1	751.6	786.7	869.4	1052.3	1445.7	2703.4	5331.7	6389.0	6509.2
62.5°	706.5	706.5	716.6	744.1	814.3	962.1	1285.3	2513.0	5441.9	6569.4	6697.2
65°	661.4	658.9	666.5	686.5	744.1	866.9	1130.0	2285.0	5444.4	6659.6	6807.4
67.5°	578.8	598.8	606.3	618.9	666.5	769.2	982.1	2082.1	5249.0	6642.0	6784.8
70°	468.5	533.7	533.7	541.2	576.3	658.9	844.3	1911.7	4815.5	6474.2	6627.0
72.5°	325.7	383.3	430.9	448.5	478.5	536.2	711.6	1706.2	4068.9	6090.8	6296.3
75°	120.3	112.7	162.9	273.1	303.2	353.3	521.1	1405.6	3289.7	5361.7	5712.5
77.5°	35.1	37.6	52.6	140.3	160.4	172.9	283.1	701.5	1523.3	2743.5	3104.3
80°	30.1	30.1	37.6	45.1	52.6	85.2	92.7	260.6	501.1	656.4	658.9
82.5°	22.5	22.5	27.6	32.6	40.1	50.1	55.1	90.2	127.8	132.8	132.8
85°	15.0	15.0	17.5	20.0	25.1	30.1	32.6	37.6	47.6	80.2	85.2
87.5°	7.5	7.5	10.0	10.0	12.5	12.5	15.0	22.5	25.1	37.6	37.6
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)