

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: P233888

Luminaire Tested: **VERD-G-C02H-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233888
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-G-C02H-D-U-T5-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1370mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18984 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G4

Input Watts (W): 155
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

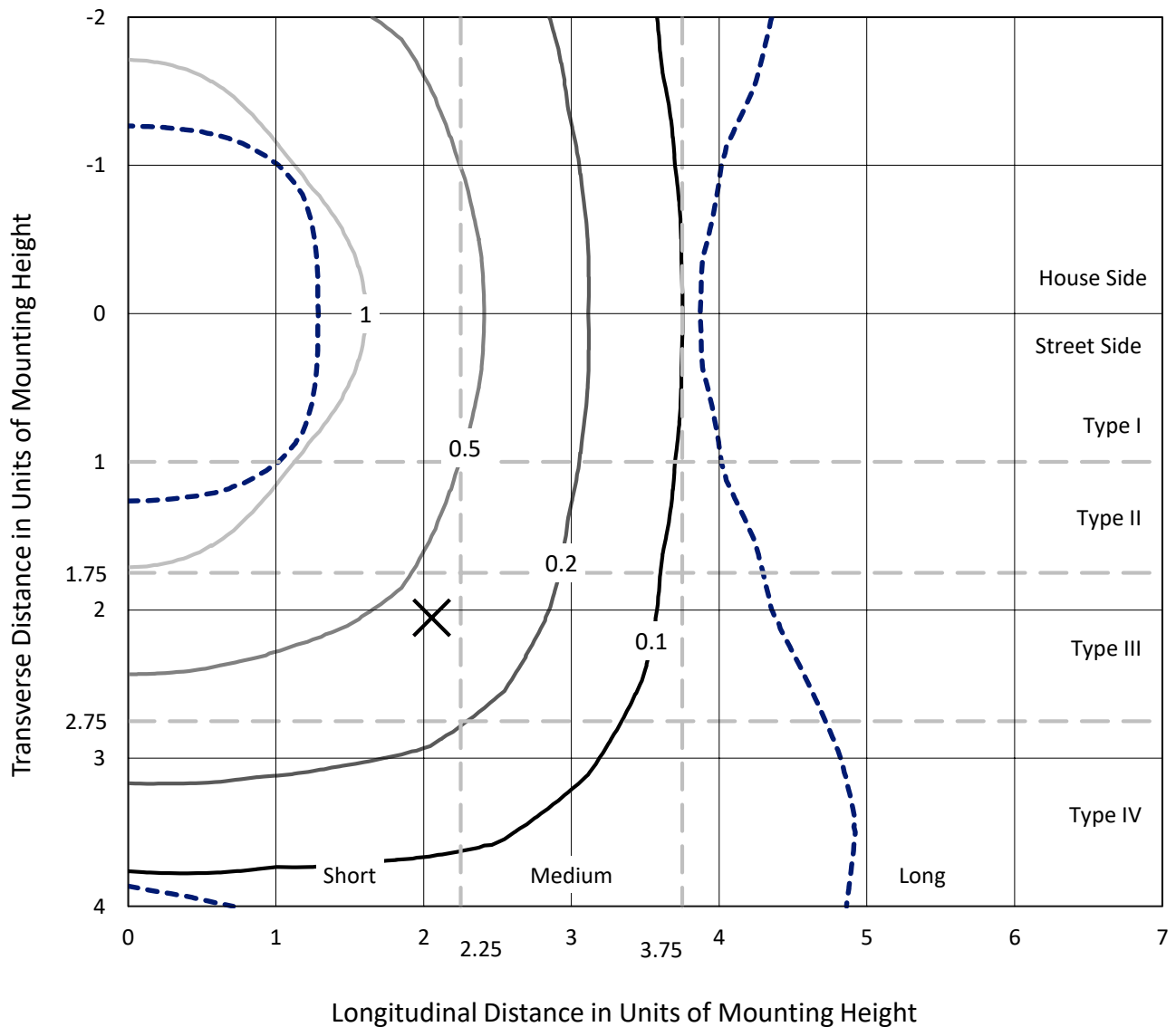


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

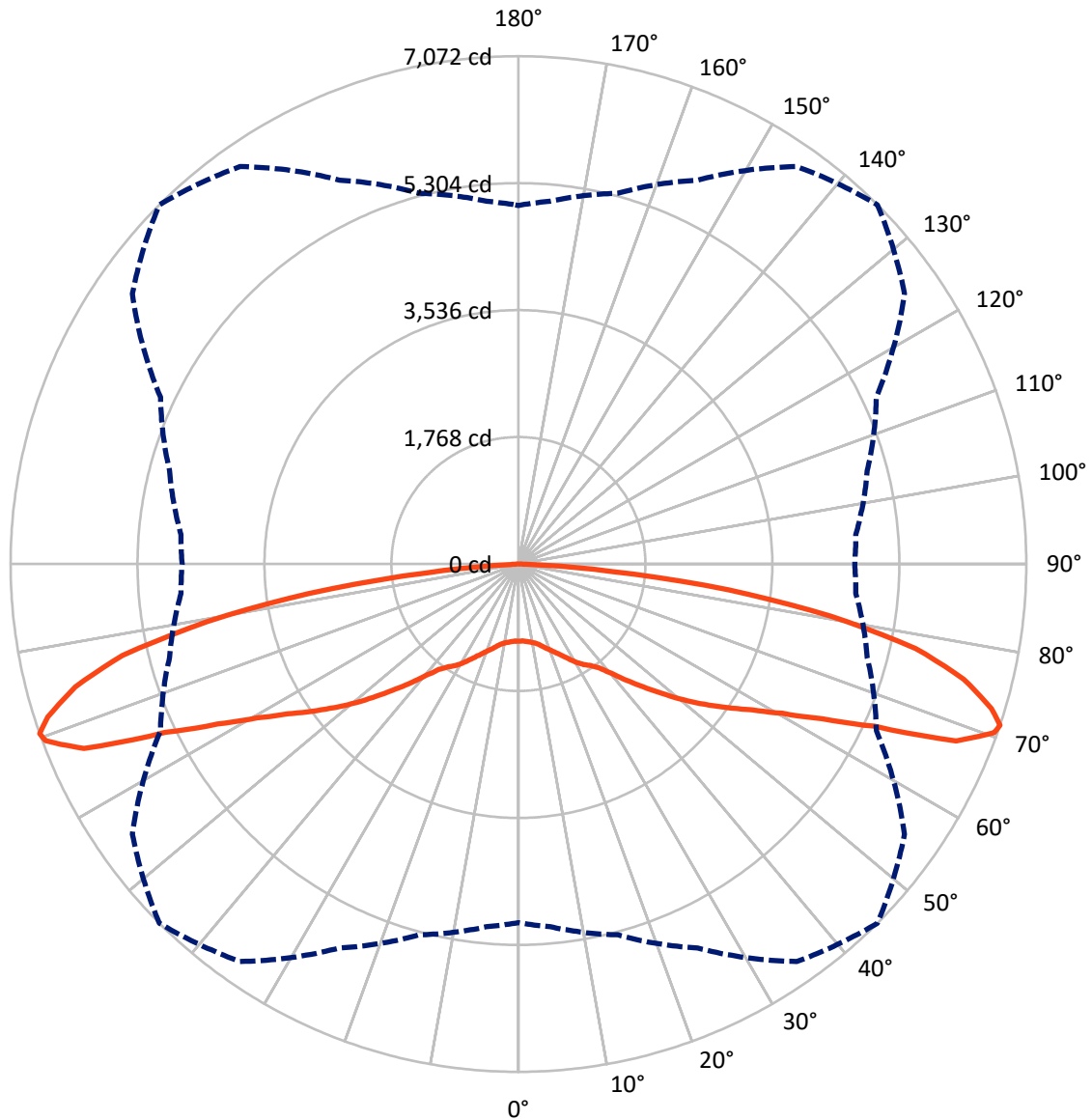


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Non-Cutoff

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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	9492.0	0.0	9492.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9492.0	0.0	9492.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18984.0	0.0	18984.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	0.6
10°-20°	335.6	1.8
20°-30°	646.9	3.4
30°-40°	1094.1	5.8
40°-50°	1989.7	10.5
50°-60°	3393.7	17.9
60°-70°	5441.9	28.7
70°-80°	4948.2	26.1
80°-90°	1029.4	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°	18984.0	100.0
0°-180°	18984.0	100.0



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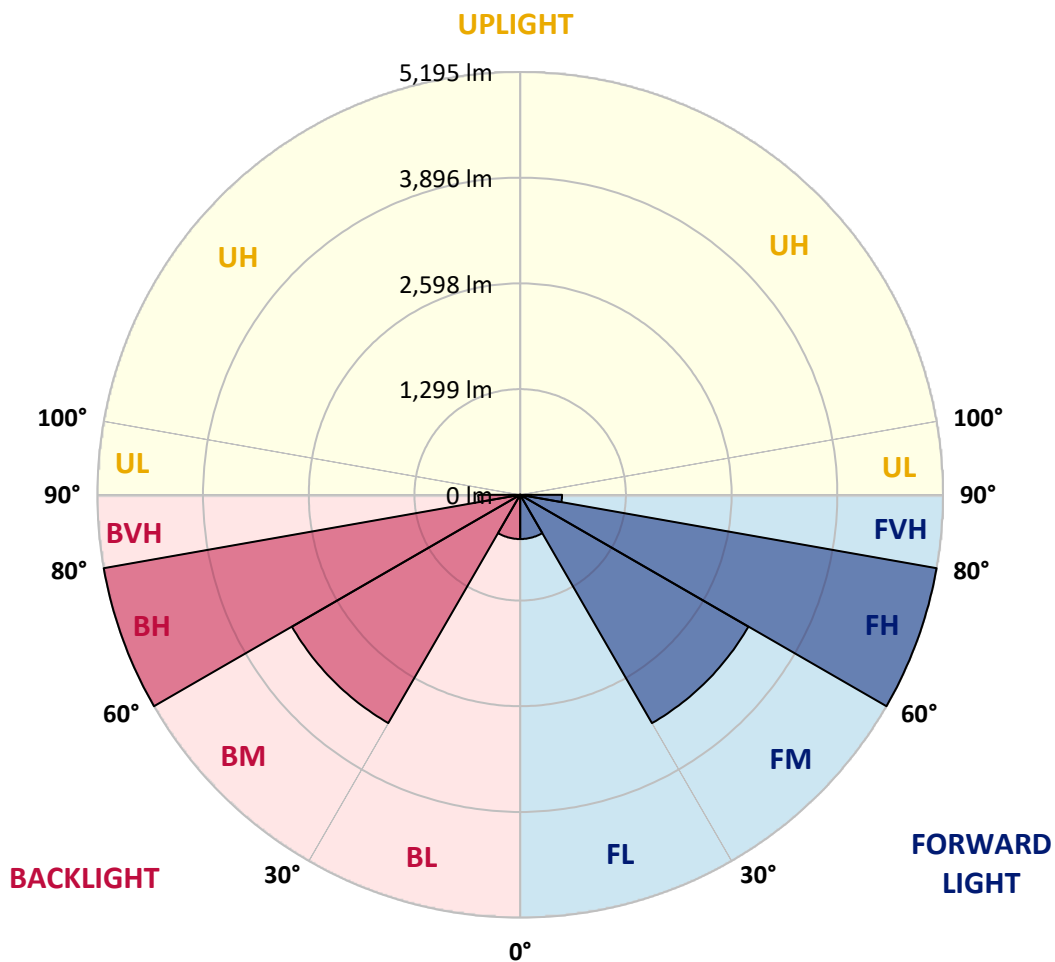
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	543.5	2.9			
FM	(30°-60°)	3238.8	17.1			
FH	(60°-80°)	5195.0	27.4			G3/7500
FVH	(80°-90°)	514.7	2.7			G4/750
BL	(0°-30°)	543.5	2.9	B2/1000		
BM	(30°-60°)	3238.8	17.1	B3/5000		
BH	(60°-80°)	5195.0	27.4	B5		G3/7500
BVH	(80°-90°)	514.7	2.7			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1075.6	1075.6	1075.6	1075.6	1075.6	1075.6	1075.6	1075.6	1075.6	1075.6	1075.6
2.5°	1085.7	1085.7	1084.0	1075.6	1077.3	1072.2	1068.8	1070.5	1072.2	1072.2	1070.5
5°	1094.2	1094.2	1092.5	1085.7	1087.4	1082.3	1080.6	1082.3	1085.7	1089.1	1085.7
7.5°	1111.1	1109.4	1106.0	1099.2	1099.2	1095.9	1092.5	1094.2	1097.6	1099.2	1097.6
10°	1129.7	1128.0	1122.9	1116.2	1116.2	1112.8	1106.0	1106.0	1106.0	1104.3	1102.6
12.5°	1150.0	1148.3	1143.2	1136.5	1141.5	1136.5	1131.4	1129.7	1124.6	1121.2	1119.5
15°	1182.1	1180.4	1175.3	1170.3	1183.8	1177.0	1168.6	1160.1	1156.7	1153.4	1150.0
17.5°	1221.0	1219.3	1215.9	1212.6	1229.5	1229.5	1214.2	1199.0	1200.7	1195.6	1192.3
20°	1266.7	1265.0	1261.6	1265.0	1283.6	1281.9	1261.6	1243.0	1249.8	1239.6	1236.2
22.5°	1324.2	1320.8	1315.7	1320.8	1347.8	1342.8	1317.4	1300.5	1305.6	1300.5	1297.1
25°	1386.7	1380.0	1373.2	1380.0	1423.9	1413.8	1388.4	1368.1	1378.3	1374.9	1373.2
27.5°	1447.6	1440.9	1435.8	1430.7	1498.4	1496.7	1462.8	1442.5	1454.4	1456.1	1457.8
30°	1506.8	1505.1	1496.7	1489.9	1562.6	1586.3	1528.8	1520.3	1528.8	1538.9	1542.3
32.5°	1586.3	1582.9	1574.5	1562.6	1611.7	1669.2	1604.9	1611.7	1625.2	1645.5	1643.8
35°	1692.8	1684.4	1672.5	1660.7	1691.1	1736.8	1708.1	1721.6	1745.3	1768.9	1765.6
37.5°	1806.1	1804.5	1792.6	1763.9	1797.7	1838.3	1829.8	1855.2	1895.8	1943.1	1936.4
40°	1968.5	1970.2	1944.8	1907.6	1936.4	2002.3	2010.8	2063.2	2134.2	2201.9	2203.6
42.5°	2223.9	2218.8	2200.2	2147.8	2166.4	2215.4	2256.0	2337.2	2425.1	2494.4	2504.6
45°	2540.1	2533.3	2496.1	2413.3	2408.2	2443.7	2502.9	2607.8	2714.3	2781.9	2787.0
47.5°	2902.0	2878.3	2820.8	2712.6	2673.7	2690.6	2751.5	2868.2	2978.1	3052.5	3047.5
50°	3258.8	3260.5	3191.2	3049.1	2971.3	2971.3	3006.9	3128.6	3240.2	3309.6	3311.3
52.5°	3661.3	3646.1	3578.5	3407.7	3280.8	3245.3	3257.2	3372.2	3487.1	3561.6	3561.6
55°	4067.2	4052.0	3986.0	3796.6	3632.6	3529.4	3517.6	3625.8	3751.0	3822.0	3830.5
57.5°	4484.9	4474.8	4405.4	4199.1	3994.5	3830.5	3803.4	3926.8	4058.8	4129.8	4134.9
60°	4919.6	4906.0	4836.7	4676.0	4425.7	4219.4	4168.7	4293.8	4451.1	4544.1	4539.0
62.5°	5425.2	5408.3	5354.2	5147.9	4970.3	4747.1	4647.3	4791.0	4978.7	5087.0	5095.4
65°	5831.1	5837.8	5888.6	5858.1	5692.4	5448.9	5349.1	5579.1	5687.3	5705.9	5692.4
67.5°	5724.5	5749.9	5861.5	6113.5	6412.8	6573.5	6181.1	5905.5	5699.2	5579.1	5562.2
70°	5264.5	5283.1	5550.4	5963.0	6756.1	7030.1	6534.6	5636.6	5203.7	5017.6	4995.7
71°	4994.0	5070.1	5345.7	5898.7	6757.8	7072.4	6563.3	5499.6	5029.5	4716.6	4682.8
72.5°	4581.3	4647.3	4994.0	5656.9	6659.7	6889.7	6258.9	5178.3	4633.7	4373.3	4287.1
75°	3735.7	3857.5	4163.6	5036.2	6211.6	6404.4	5714.4	4567.8	3984.3	3701.9	3679.9
77.5°	2656.8	2739.7	3203.0	4145.0	5475.9	5656.9	5051.5	3840.6	3223.3	2961.2	2932.5
80°	1476.4	1559.2	2048.0	2913.8	4227.9	4410.5	3866.0	2805.6	2190.0	1911.0	1796.0
82.5°	661.2	710.3	1070.5	1726.7	2712.6	2949.4	2349.0	1542.3	1055.3	747.5	686.6
85°	230.0	255.4	426.2	783.0	1388.4	1281.9	805.0	385.6	135.3	66.0	60.9
87.5°	44.0	49.0	93.0	218.2	226.6	104.9	33.8	25.4	25.4	27.1	27.1
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)