

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: P233892

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233892  
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  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1370mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19507 lumens  
Efficiency: N/A  
Efficacy: 125.9 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

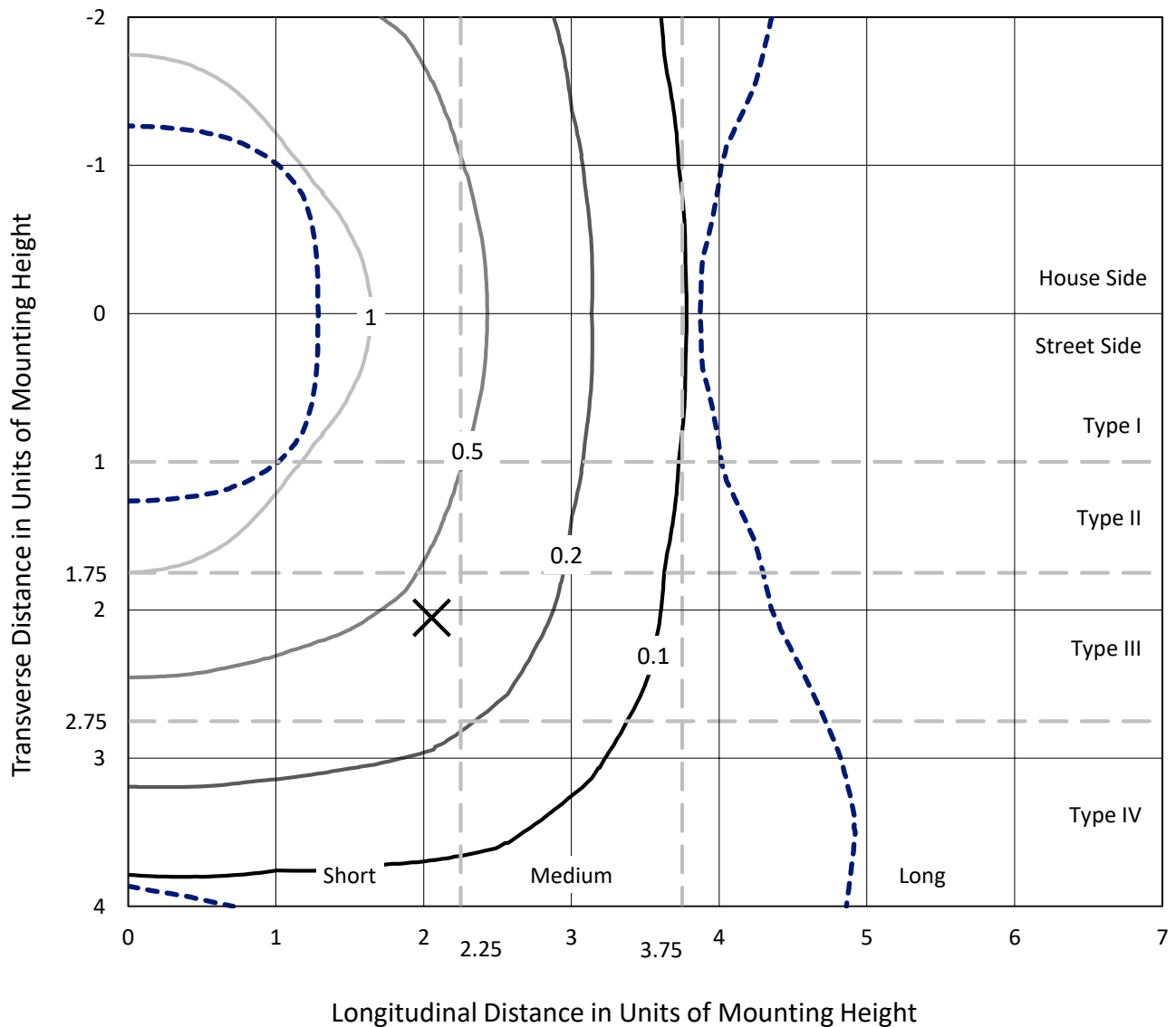


REPORT NUMBER: P233892

CATALOG NUMBER: VERD-G-C02H-D-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

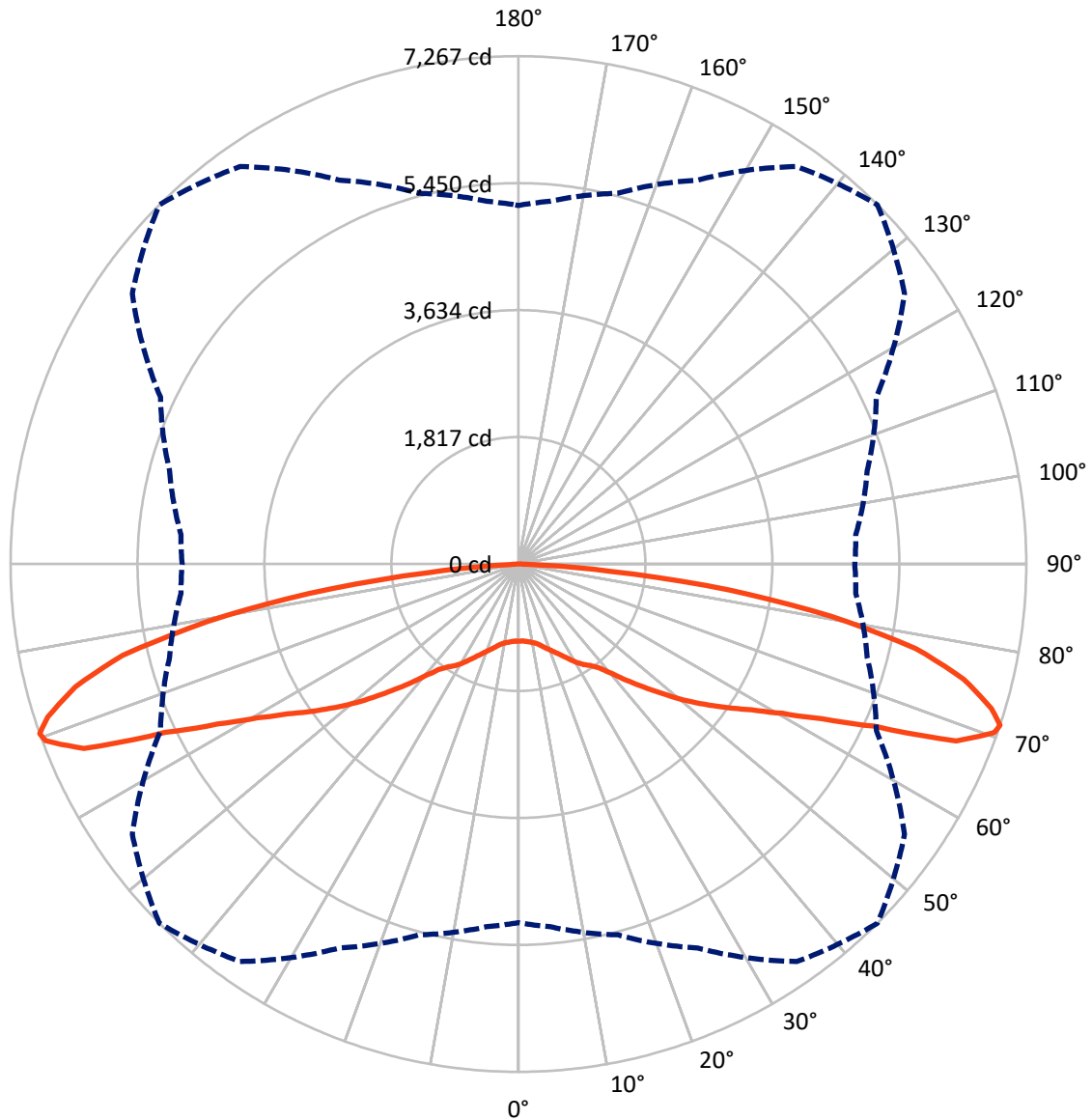


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233892

CATALOG NUMBER: VERD-G-C02H-D-U-T5

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P233892

CATALOG NUMBER: VERD-G-C02H-D-U-T5

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9753.5	0.0	9753.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9753.5	0.0	9753.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19507.0	0.0	19507.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.4	0.6
10°-20°	344.8	1.8
20°-30°	664.7	3.4
30°-40°	1124.2	5.8
40°-50°	2044.6	10.5
50°-60°	3487.2	17.9
60°-70°	5591.8	28.7
70°-80°	5084.5	26.1
80°-90°	1057.7	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°	19507.0	100.0
0°-180°	19507.0	100.0



REPORT NUMBER: P233892

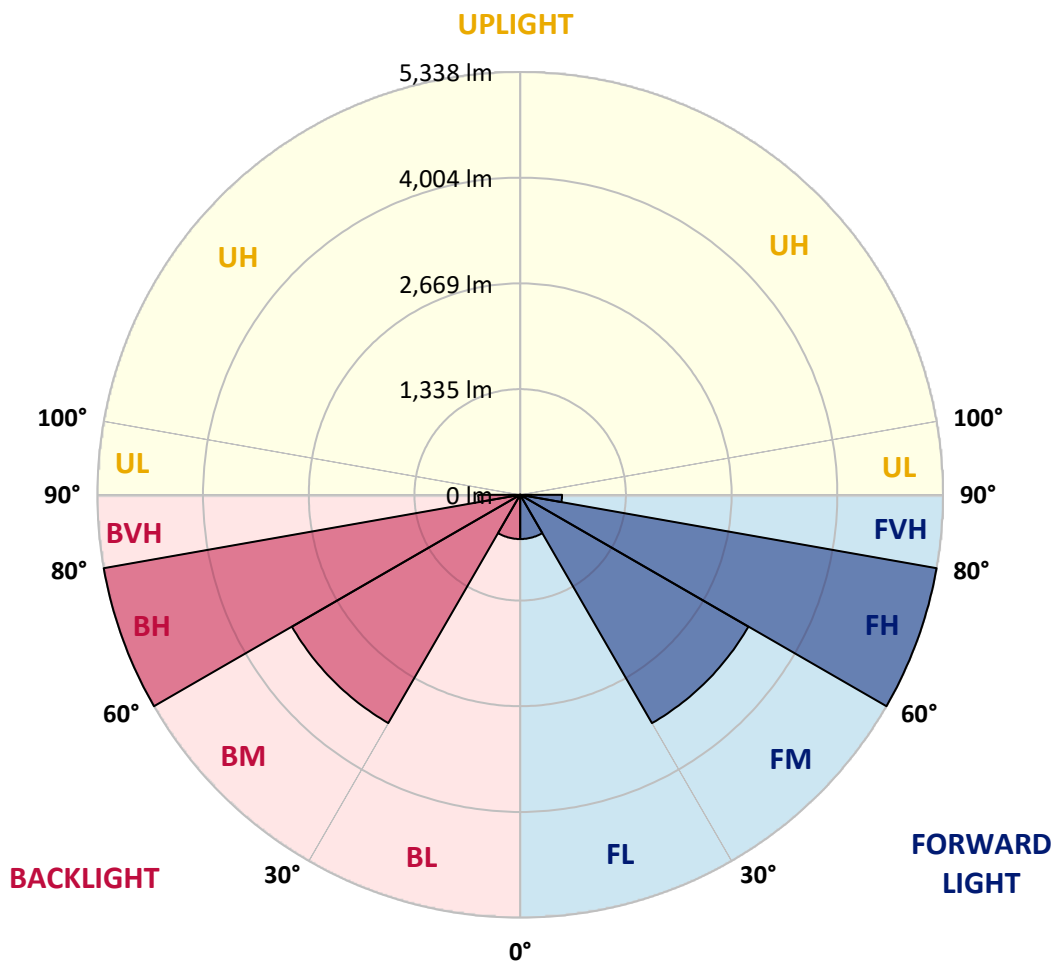
CATALOG NUMBER: VERD-G-C02H-D-U-T5

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.5	2.9			
FM	(30°-60°)	3328.0	17.1			
FH	(60°-80°)	5338.2	27.4			G3/7500
FVH	(80°-90°)	528.9	2.7			G4/750
BL	(0°-30°)	558.5	2.9	B2/1000		
BM	(30°-60°)	3328.0	17.1	B3/5000		
BH	(60°-80°)	5338.2	27.4	B5		G3/7500
BVH	(80°-90°)	528.9	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°	1105.2	1105.2	1105.2	1105.2	1105.2	1105.2	1105.2	1105.2	1105.2	1105.2	1105.2
2.5°	1115.6	1115.6	1113.9	1105.2	1106.9	1101.7	1098.3	1100.0	1101.7	1101.7	1100.0
5°	1124.3	1124.3	1122.6	1115.6	1117.4	1112.2	1110.4	1112.2	1115.6	1119.1	1115.6
7.5°	1141.7	1140.0	1136.5	1129.5	1129.5	1126.1	1122.6	1124.3	1127.8	1129.5	1127.8
10°	1160.8	1159.1	1153.9	1146.9	1146.9	1143.4	1136.5	1136.5	1136.5	1134.7	1133.0
12.5°	1181.7	1179.9	1174.7	1167.8	1173.0	1167.8	1162.5	1160.8	1155.6	1152.1	1150.4
15°	1214.7	1212.9	1207.7	1202.5	1216.4	1209.5	1200.8	1192.1	1188.6	1185.1	1181.7
17.5°	1254.6	1252.9	1249.4	1246.0	1263.3	1263.3	1247.7	1232.1	1233.8	1228.6	1225.1
20°	1301.6	1299.8	1296.4	1299.8	1318.9	1317.2	1296.4	1277.2	1284.2	1273.8	1270.3
22.5°	1360.6	1357.2	1352.0	1357.2	1385.0	1379.8	1353.7	1336.3	1341.5	1336.3	1332.8
25°	1424.9	1418.0	1411.0	1418.0	1463.2	1452.7	1426.7	1405.8	1416.3	1412.8	1411.0
27.5°	1487.5	1480.6	1475.3	1470.1	1539.6	1537.9	1503.1	1482.3	1494.5	1496.2	1497.9
30°	1548.3	1546.6	1537.9	1530.9	1605.7	1630.0	1570.9	1562.2	1570.9	1581.3	1584.8
32.5°	1630.0	1626.5	1617.8	1605.7	1656.1	1715.1	1649.1	1656.1	1670.0	1690.8	1689.1
35°	1739.5	1730.8	1718.6	1706.5	1737.7	1784.7	1755.1	1769.0	1793.3	1817.7	1814.2
37.5°	1855.9	1854.2	1842.0	1812.5	1847.2	1888.9	1880.2	1906.3	1948.0	1996.7	1989.7
40°	2022.7	2024.5	1998.4	1960.2	1989.7	2057.5	2066.2	2120.0	2193.0	2262.5	2264.3
42.5°	2285.1	2279.9	2260.8	2206.9	2226.0	2276.4	2318.1	2401.6	2491.9	2563.2	2573.6
45°	2610.1	2603.1	2564.9	2479.8	2474.5	2511.0	2571.9	2679.6	2789.1	2858.6	2863.8
47.5°	2982.0	2957.6	2898.5	2787.3	2747.4	2764.7	2827.3	2947.2	3060.2	3136.6	3131.4
50°	3348.6	3350.4	3279.1	3133.1	3053.2	3053.2	3089.7	3214.8	3329.5	3400.8	3402.5
52.5°	3762.2	3746.6	3677.1	3501.5	3371.2	3334.7	3346.9	3465.1	3583.2	3659.7	3659.7
55°	4179.3	4163.6	4095.9	3901.2	3732.7	3626.7	3614.5	3725.7	3854.3	3927.3	3936.0
57.5°	4608.5	4598.1	4526.8	4314.8	4104.5	3936.0	3908.2	4035.0	4170.6	4243.6	4248.8
60°	5055.1	5041.2	4969.9	4804.8	4547.7	4335.7	4283.5	4412.1	4573.7	4669.3	4664.1
62.5°	5574.7	5557.3	5501.7	5289.7	5107.2	4877.8	4775.3	4923.0	5115.9	5227.1	5235.8
65°	5991.7	5998.7	6050.8	6019.5	5849.2	5599.0	5496.5	5732.8	5844.0	5863.1	5849.2
67.5°	5882.2	5908.3	6023.0	6281.9	6589.5	6754.6	6351.4	6068.2	5856.2	5732.8	5715.4
70°	5409.6	5428.7	5703.3	6127.3	6942.3	7223.8	6714.6	5791.9	5347.0	5155.9	5133.3
71°	5131.5	5209.7	5493.0	6061.2	6944.0	7267.2	6744.2	5651.1	5168.0	4846.6	4811.8
72.5°	4707.5	4775.3	5131.5	5812.7	6843.2	7079.5	6431.4	5321.0	4761.4	4493.8	4405.2
75°	3838.7	3963.8	4278.3	5175.0	6382.7	6580.8	5871.8	4693.6	4094.1	3803.9	3781.3
77.5°	2730.0	2815.1	3291.3	4259.2	5626.8	5812.7	5190.6	3946.4	3312.1	3042.8	3013.2
80°	1517.0	1602.2	2104.4	2994.1	4344.3	4532.0	3972.5	2882.9	2250.4	1963.6	1845.5
82.5°	679.5	729.9	1100.0	1774.2	2787.3	3030.6	2413.7	1584.8	1084.3	768.1	705.5
85°	236.3	262.4	437.9	804.6	1426.7	1317.2	827.2	396.2	139.0	67.8	62.6
87.5°	45.2	50.4	95.6	224.2	232.9	107.7	34.8	26.1	26.1	27.8	27.8
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)