

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: P233634

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233634
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-C02H-D-U-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1040mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14746 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 120
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

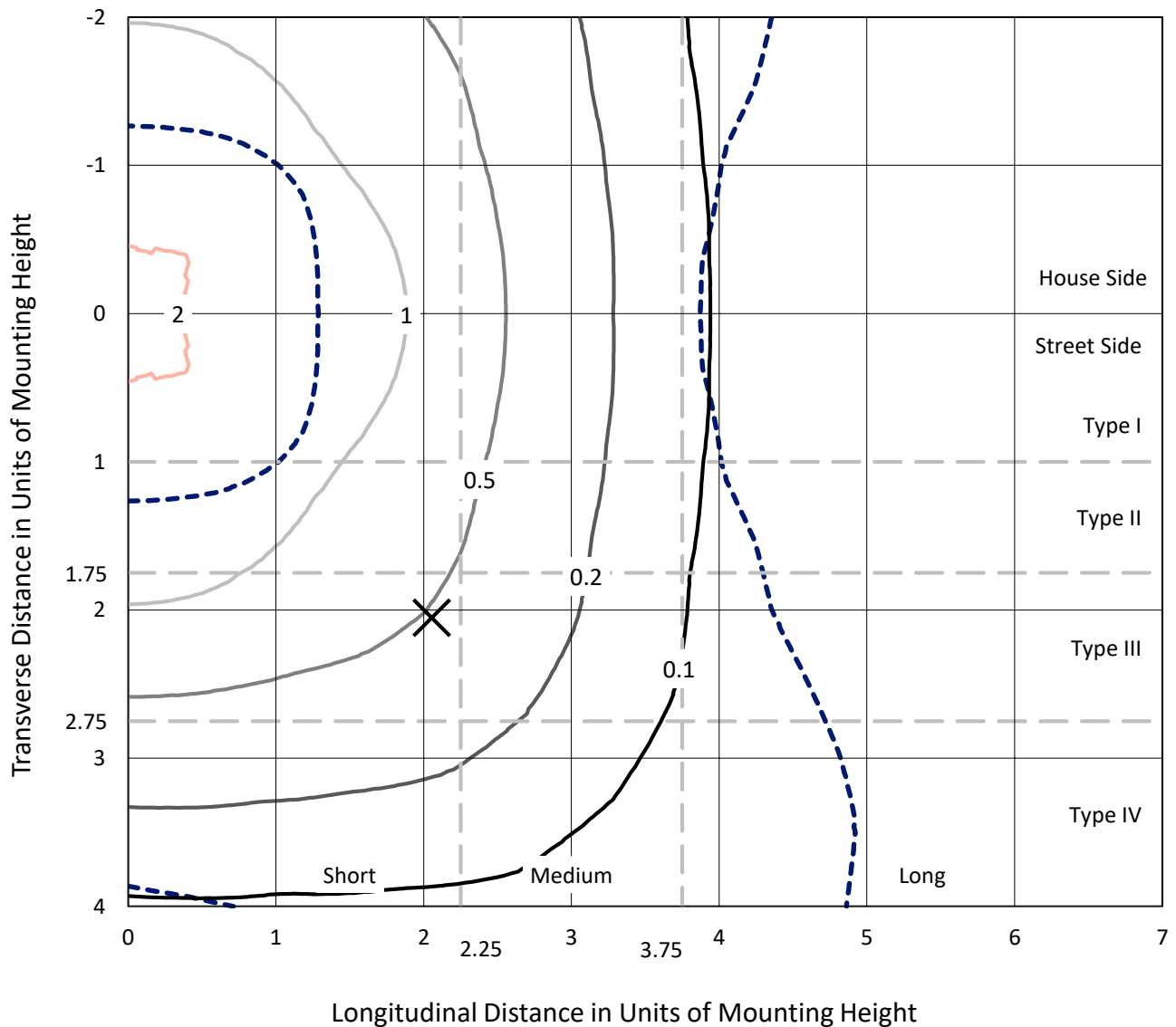


REPORT NUMBER: P233634

CATALOG NUMBER: VERD-C02H-D-U-T5-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

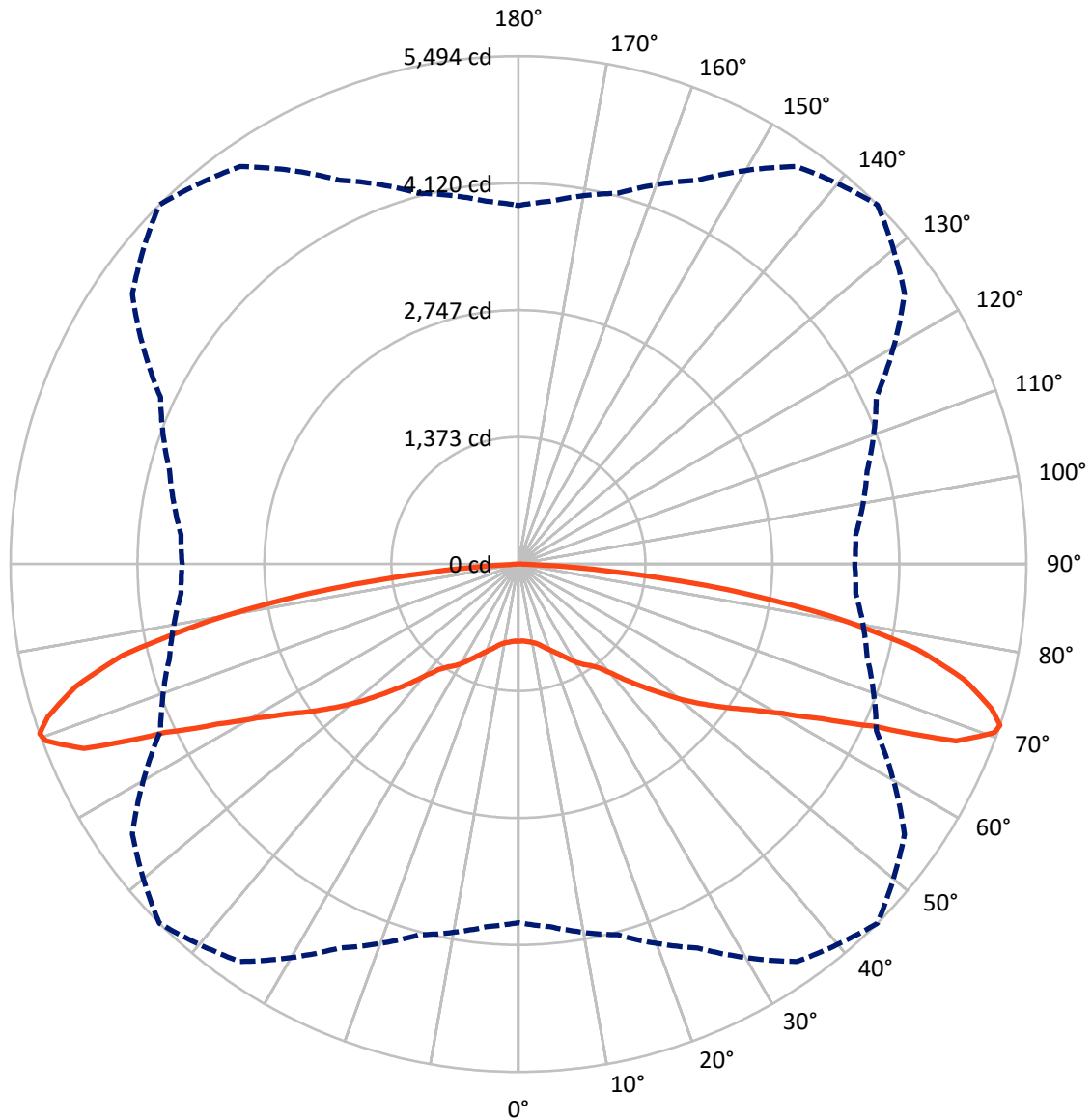


Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233634

CATALOG NUMBER: VERD-C02H-D-U-T5-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233634

CATALOG NUMBER: VERD-C02H-D-U-T5-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7373.0	0.0	7373.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7373.0	0.0	7373.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14746.0	0.0	14746.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	0.6
10°-20°	260.6	1.8
20°-30°	502.5	3.4
30°-40°	849.8	5.8
40°-50°	1545.6	10.5
50°-60°	2636.1	17.9
60°-70°	4227.1	28.7
70°-80°	3843.5	26.1
80°-90°	799.5	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°	14746.0	100.0
0°-180°	14746.0	100.0



REPORT NUMBER: P233634

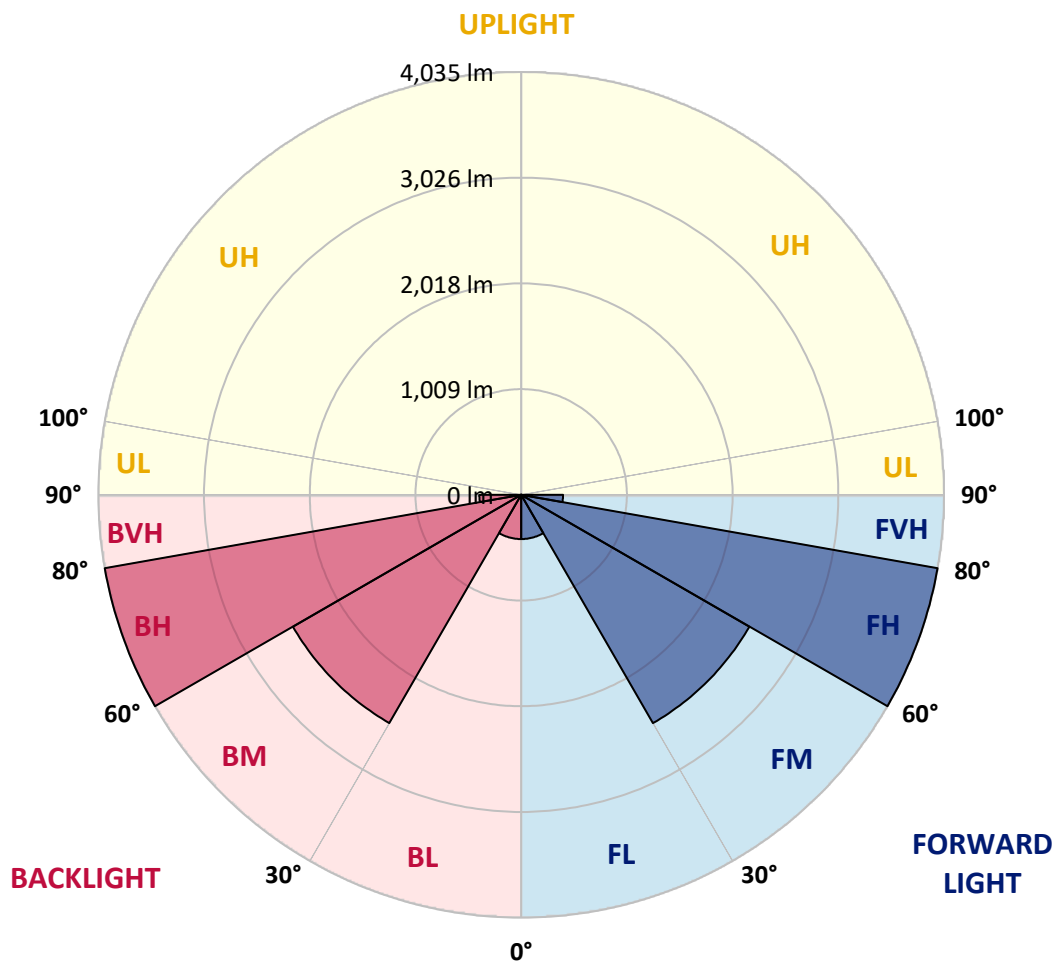
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.2	2.9			
FM (30°-60°)	2515.7	17.1			
FH (60°-80°)	4035.3	27.4			G2/5000
FVH (80°-90°)	399.8	2.7			G3/500
BL (0°-30°)	422.2	2.9	B1/500		
BM (30°-60°)	2515.7	17.1	B3/5000		
BH (60°-80°)	4035.3	27.4	B4/5000		G2/5000
BVH (80°-90°)	399.8	2.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





REPORT NUMBER: P233634

CATALOG NUMBER: VERD-C02H-D-U-T5-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	835.5	835.5	835.5	835.5	835.5	835.5	835.5	835.5	835.5	835.5	835.5
2.5°	843.3	843.3	842.0	835.5	836.8	832.8	830.2	831.5	832.8	832.8	831.5
5°	849.9	849.9	848.6	843.3	844.7	840.7	839.4	840.7	843.3	846.0	843.3
7.5°	863.0	861.7	859.1	853.9	853.9	851.2	848.6	849.9	852.5	853.9	852.5
10°	877.5	876.2	872.2	867.0	867.0	864.4	859.1	859.1	859.1	857.8	856.5
12.5°	893.3	891.9	888.0	882.7	886.7	882.7	878.8	877.5	873.6	870.9	869.6
15°	918.2	916.9	913.0	909.0	919.5	914.3	907.7	901.1	898.5	895.9	893.3
17.5°	948.4	947.1	944.5	941.9	955.0	955.0	943.2	931.4	932.7	928.7	926.1
20°	983.9	982.6	980.0	982.6	997.0	995.7	980.0	965.5	970.8	962.9	960.3
22.5°	1028.6	1025.9	1022.0	1025.9	1047.0	1043.0	1023.3	1010.2	1014.1	1010.2	1007.5
25°	1077.2	1071.9	1066.7	1071.9	1106.1	1098.2	1078.5	1062.7	1070.6	1068.0	1066.7
27.5°	1124.5	1119.2	1115.3	1111.3	1163.9	1162.5	1136.3	1120.5	1129.7	1131.0	1132.3
30°	1170.4	1169.1	1162.5	1157.3	1213.8	1232.2	1187.5	1180.9	1187.5	1195.4	1198.0
32.5°	1232.2	1229.5	1223.0	1213.8	1251.9	1296.5	1246.6	1251.9	1262.4	1278.1	1276.8
35°	1314.9	1308.4	1299.2	1290.0	1313.6	1349.1	1326.8	1337.3	1355.7	1374.0	1371.4
37.5°	1402.9	1401.6	1392.4	1370.1	1396.4	1427.9	1421.3	1441.0	1472.6	1509.3	1504.1
40°	1529.0	1530.4	1510.7	1481.8	1504.1	1555.3	1561.9	1602.6	1657.8	1710.3	1711.6
42.5°	1727.4	1723.5	1709.0	1668.3	1682.7	1720.8	1752.4	1815.4	1883.7	1937.6	1945.5
45°	1973.1	1967.8	1938.9	1874.5	1870.6	1898.2	1944.2	2025.6	2108.4	2160.9	2164.8
47.5°	2254.2	2235.8	2191.1	2107.0	2076.8	2090.0	2137.3	2227.9	2313.3	2371.1	2367.1
50°	2531.3	2532.7	2478.8	2368.4	2308.0	2308.0	2335.6	2430.2	2516.9	2570.7	2572.1
52.5°	2844.0	2832.2	2779.6	2646.9	2548.4	2520.8	2530.0	2619.3	2708.7	2766.5	2766.5
55°	3159.2	3147.4	3096.2	2949.1	2821.6	2741.5	2732.3	2816.4	2913.6	2968.8	2975.3
57.5°	3483.7	3475.8	3422.0	3261.7	3102.8	2975.3	2954.3	3050.2	3152.7	3207.8	3211.8
60°	3821.3	3810.8	3756.9	3632.1	3437.7	3277.5	3238.1	3335.3	3457.4	3529.7	3525.7
62.5°	4214.1	4200.9	4158.9	3998.6	3860.7	3687.3	3609.8	3721.5	3867.3	3951.4	3957.9
65°	4529.3	4534.6	4574.0	4550.4	4421.6	4232.5	4155.0	4333.6	4417.7	4432.1	4421.6
67.5°	4446.6	4466.3	4553.0	4748.7	4981.2	5106.0	4801.3	4587.1	4426.9	4333.6	4320.5
70°	4089.3	4103.7	4311.3	4631.8	5247.9	5460.7	5075.8	4378.3	4042.0	3897.5	3880.4
71°	3879.1	3938.2	4152.3	4581.9	5249.2	5493.5	5098.1	4271.9	3906.7	3663.7	3637.4
72.5°	3558.6	3609.8	3879.1	4394.0	5173.0	5351.7	4861.7	4022.3	3599.3	3397.0	3330.0
75°	2901.8	2996.4	3234.1	3911.9	4824.9	4974.7	4438.7	3548.1	3094.9	2875.5	2858.4
77.5°	2063.7	2128.1	2488.0	3219.7	4253.5	4394.0	3923.8	2983.2	2503.8	2300.1	2277.8
80°	1146.8	1211.2	1590.8	2263.4	3284.0	3425.9	3002.9	2179.3	1701.1	1484.4	1395.1
82.5°	513.6	551.7	831.5	1341.2	2107.0	2290.9	1824.6	1198.0	819.7	580.6	533.3
85°	178.7	198.4	331.0	608.2	1078.5	995.7	625.3	299.5	105.1	51.2	47.3
87.5°	34.2	38.1	72.2	169.5	176.0	81.4	26.3	19.7	19.7	21.0	21.0
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)