

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: P233623

Luminaire Tested: **VERD-C015-D-U-T5-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P233623  
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-C015-D-U-T5-7030  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 750mA LED AND TYPE V OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3910 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

Input Watts (W): 30  
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

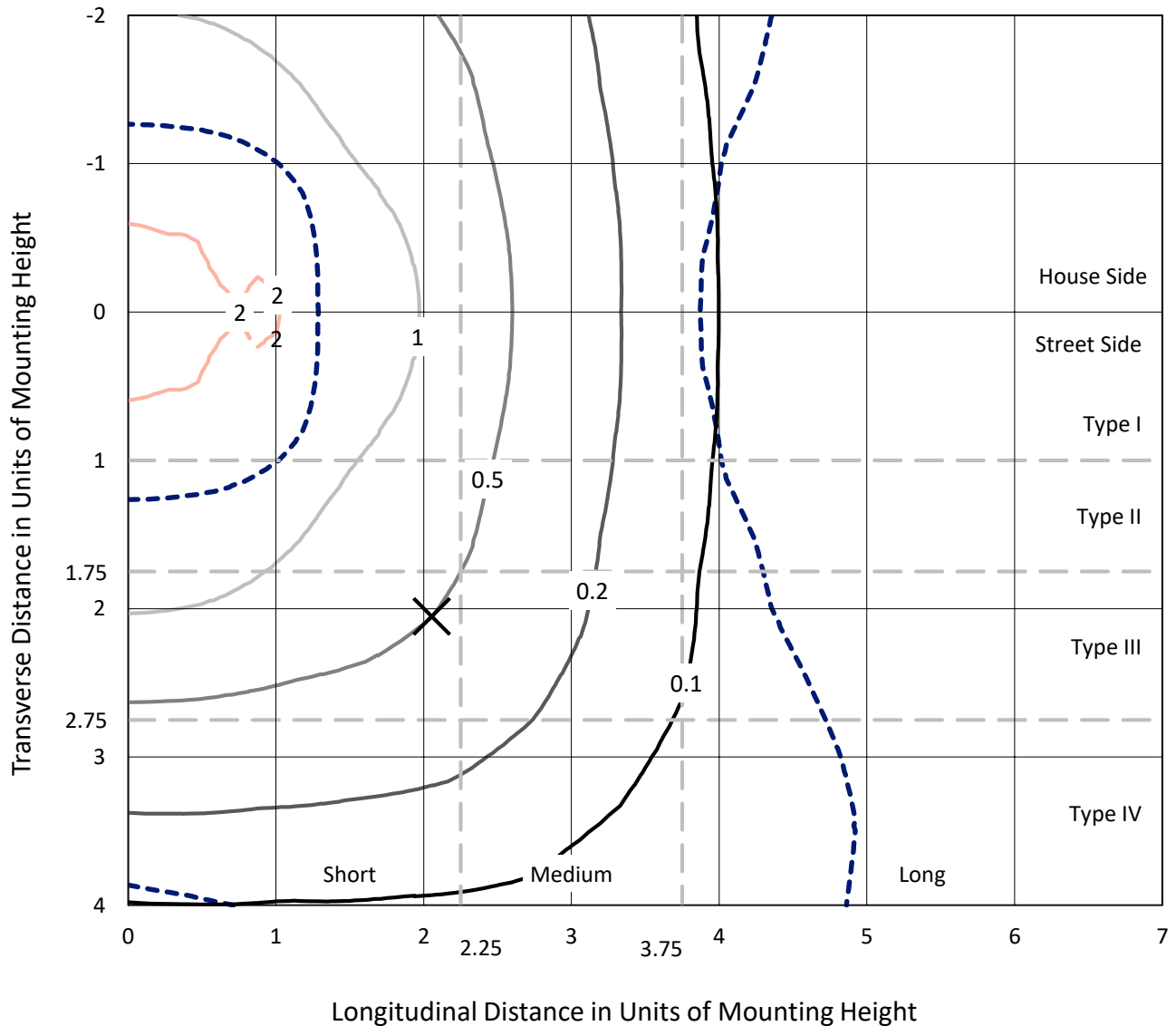


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

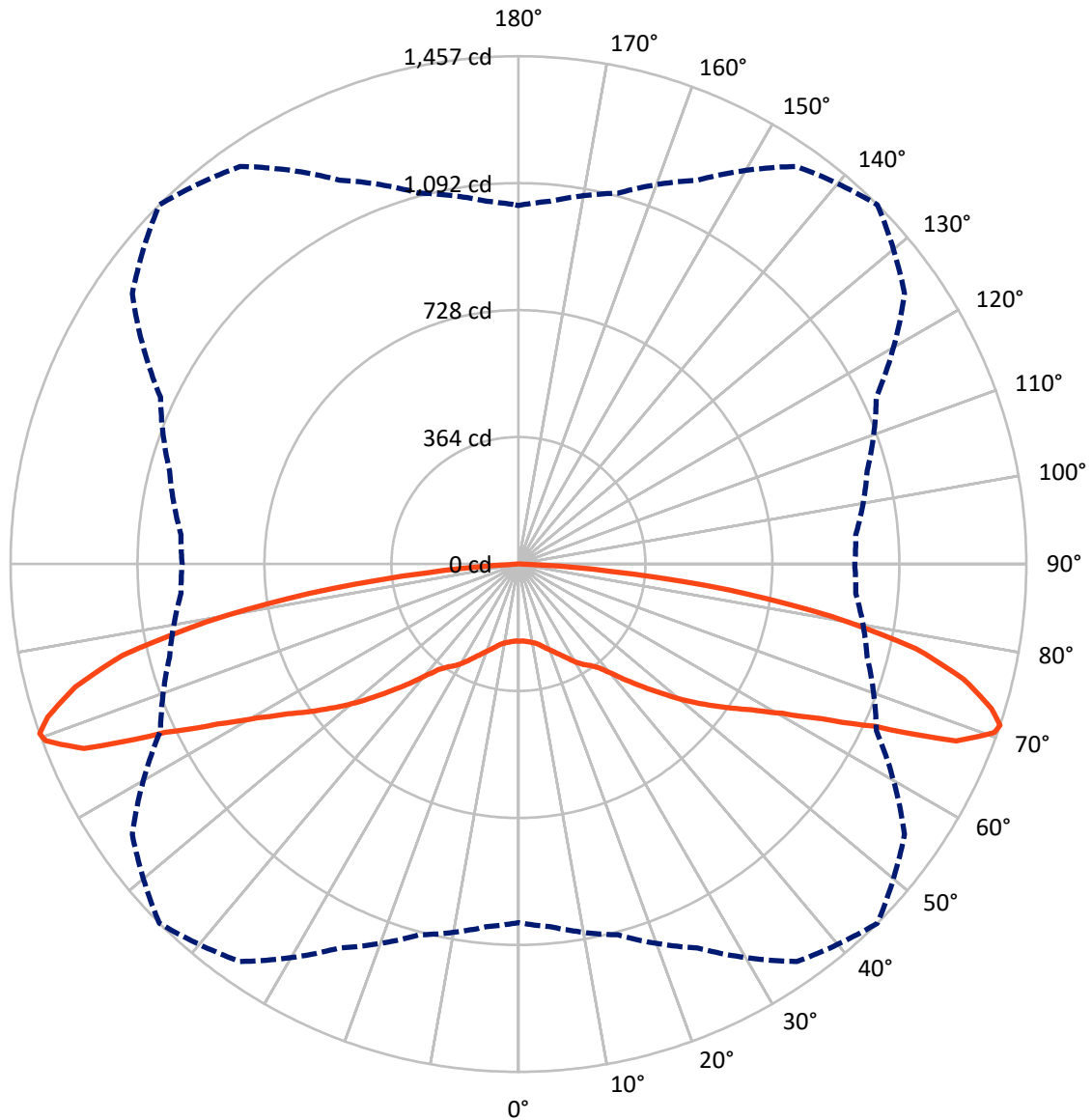


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type V - Short - Non-Cutoff

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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
<b>House Side</b>	Lumens	1955.0	0.0	1955.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1955.0	0.0	1955.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3910.0	0.0	3910.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.5	0.6
10°-20°	69.1	1.8
20°-30°	133.2	3.4
30°-40°	225.3	5.8
40°-50°	409.8	10.5
50°-60°	699.0	17.9
60°-70°	1120.8	28.7
70°-80°	1019.1	26.1
80°-90°	212.0	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°	3910.0	100.0
0°-180°	3910.0	100.0



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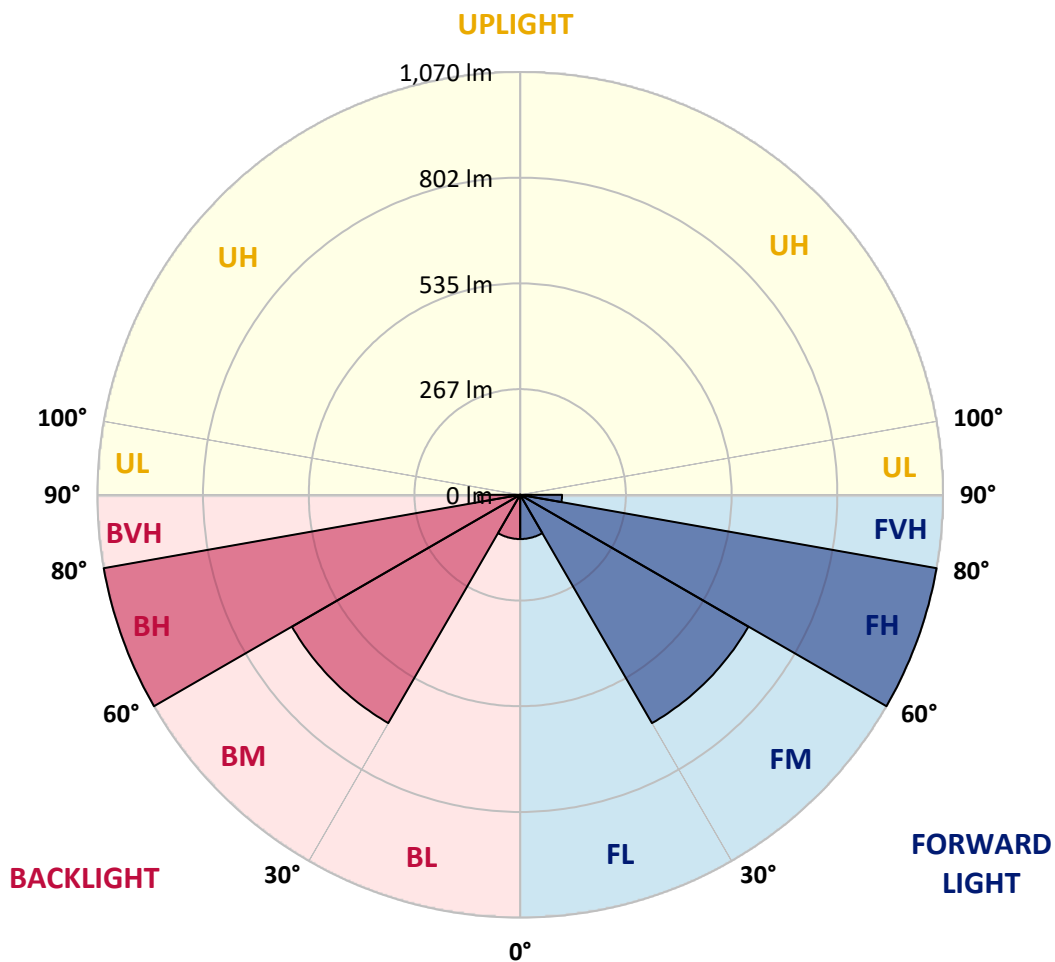
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.9	2.9			
FM (30°-60°)	667.1	17.1			
FH (60°-80°)	1070.0	27.4			G1/1800
FVH (80°-90°)	106.0	2.7			G2/225
BL (0°-30°)	111.9	2.9	B1/500		
BM (30°-60°)	667.1	17.1	B1/1000		
BH (60°-80°)	1070.0	27.4	B3/2500		G1/1800
BVH (80°-90°)	106.0	2.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5
2.5°	223.6	223.6	223.3	221.5	221.9	220.8	220.1	220.5	220.8	220.8	220.5
5°	225.4	225.4	225.0	223.6	224.0	222.9	222.6	222.9	223.6	224.3	223.6
7.5°	228.8	228.5	227.8	226.4	226.4	225.7	225.0	225.4	226.1	226.4	226.1
10°	232.7	232.3	231.3	229.9	229.9	229.2	227.8	227.8	227.8	227.4	227.1
12.5°	236.9	236.5	235.5	234.1	235.1	234.1	233.0	232.7	231.6	230.9	230.6
15°	243.5	243.1	242.1	241.0	243.8	242.4	240.7	238.9	238.2	237.6	236.9
17.5°	251.5	251.1	250.4	249.7	253.2	253.2	250.1	247.0	247.3	246.3	245.6
20°	260.9	260.5	259.8	260.5	264.4	264.0	259.8	256.0	257.4	255.3	254.6
22.5°	272.7	272.0	271.0	272.0	277.6	276.6	271.3	267.9	268.9	267.9	267.2
25°	285.6	284.2	282.8	284.2	293.3	291.2	286.0	281.8	283.9	283.2	282.8
27.5°	298.2	296.8	295.7	294.7	308.6	308.3	301.3	297.1	299.6	299.9	300.2
30°	310.3	310.0	308.3	306.9	321.8	326.7	314.9	313.1	314.9	317.0	317.7
32.5°	326.7	326.0	324.3	321.8	331.9	343.8	330.5	331.9	334.7	338.9	338.6
35°	348.7	346.9	344.5	342.0	348.3	357.7	351.8	354.6	359.5	364.3	363.6
37.5°	372.0	371.7	369.2	363.3	370.3	378.6	376.9	382.1	390.5	400.2	398.8
40°	405.4	405.8	400.6	392.9	398.8	412.4	414.1	424.9	439.6	453.5	453.9
42.5°	458.0	457.0	453.2	442.4	446.2	456.3	464.7	481.4	499.5	513.8	515.9
45°	523.2	521.8	514.1	497.0	496.0	503.3	515.5	537.1	559.0	573.0	574.0
47.5°	597.7	592.8	581.0	558.7	550.7	554.2	566.7	590.7	613.4	628.7	627.7
50°	671.2	671.5	657.3	628.0	612.0	612.0	619.3	644.4	667.4	681.7	682.0
52.5°	754.1	751.0	737.0	701.9	675.7	668.4	670.9	694.5	718.2	733.5	733.5
55°	837.7	834.6	821.0	782.0	748.2	726.9	724.5	746.8	772.6	787.2	788.9
57.5°	923.7	921.6	907.4	864.9	822.7	788.9	783.4	808.8	836.0	850.6	851.6
60°	1013.2	1010.5	996.2	963.1	911.5	869.0	858.6	884.4	916.8	935.9	934.9
62.5°	1117.4	1113.9	1102.8	1060.3	1023.7	977.7	957.2	986.8	1025.4	1047.7	1049.5
65°	1201.0	1202.4	1212.8	1206.6	1172.4	1122.3	1101.7	1149.1	1171.4	1175.2	1172.4
67.5°	1179.0	1184.3	1207.3	1259.2	1320.8	1353.9	1273.1	1216.3	1173.8	1149.1	1145.6
70°	1084.3	1088.1	1143.2	1228.2	1391.5	1447.9	1345.9	1160.9	1071.8	1033.4	1028.9
71°	1028.6	1044.2	1101.0	1214.9	1391.9	1456.6	1351.8	1132.7	1035.9	971.4	964.5
72.5°	943.6	957.2	1028.6	1165.1	1371.7	1419.0	1289.1	1066.5	954.4	900.7	883.0
75°	769.4	794.5	857.5	1037.3	1279.4	1319.1	1177.0	940.8	820.6	762.5	757.9
77.5°	547.2	564.3	659.7	853.7	1127.8	1165.1	1040.4	791.0	663.9	609.9	604.0
80°	304.1	321.1	421.8	600.1	870.8	908.4	796.2	577.9	451.1	393.6	369.9
82.5°	136.2	146.3	220.5	355.6	558.7	607.5	483.8	317.7	217.3	154.0	141.4
85°	47.4	52.6	87.8	161.3	286.0	264.0	165.8	79.4	27.9	13.6	12.5
87.5°	9.1	10.1	19.2	44.9	46.7	21.6	7.0	5.2	5.2	5.6	5.6
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)