

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: P129309

Luminaire Tested: **VERD-A028-E-U-T5-7030-AP**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P129309  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24745)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-A028-E-U-T5-7030-AP  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K LEDS AT 80% STANDARD LUMENS AND TYPE V OPTICS, GREY  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7707 lumens  
Efficiency: N/A  
Efficacy: 107.0 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): 72  
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

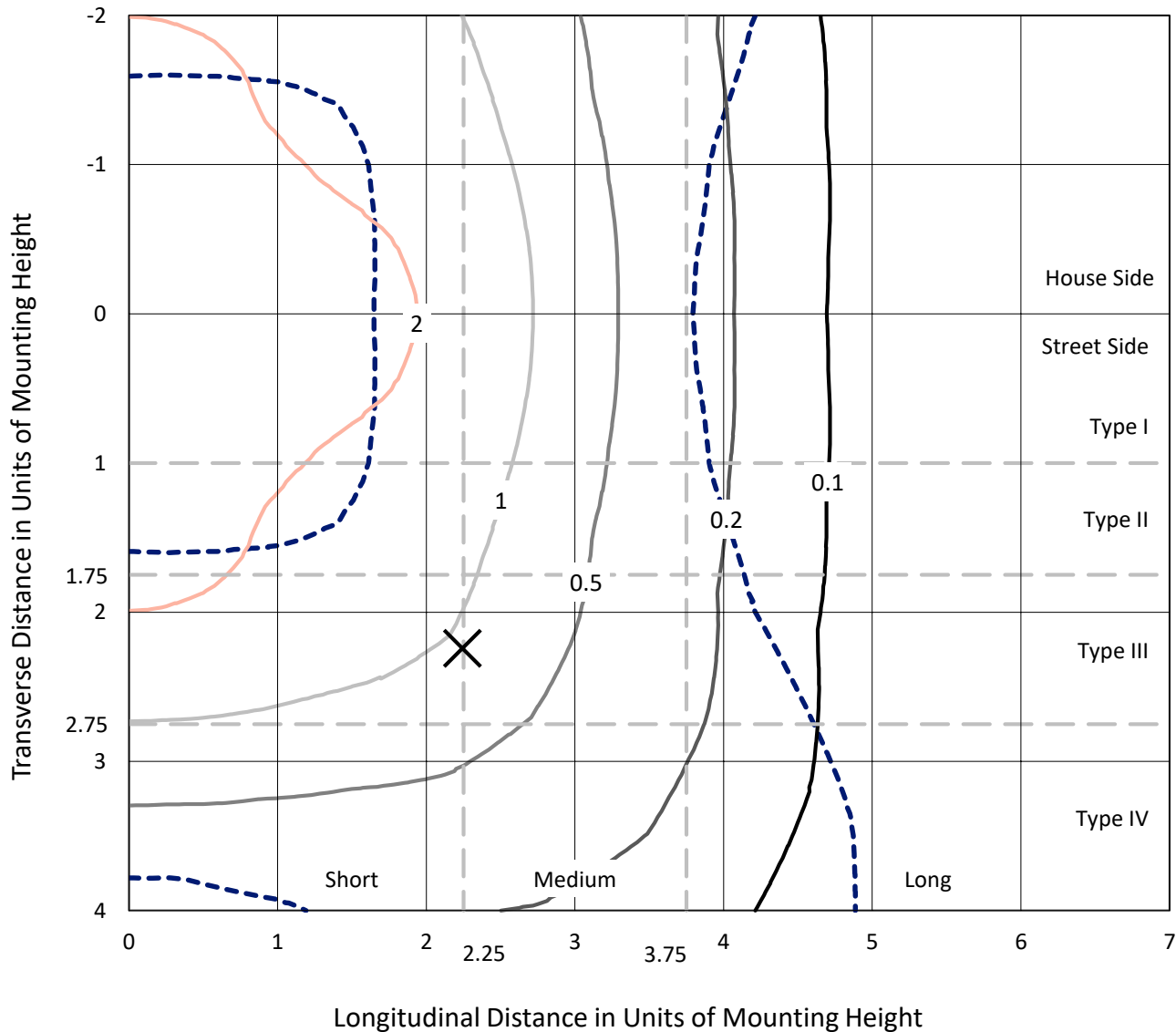


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

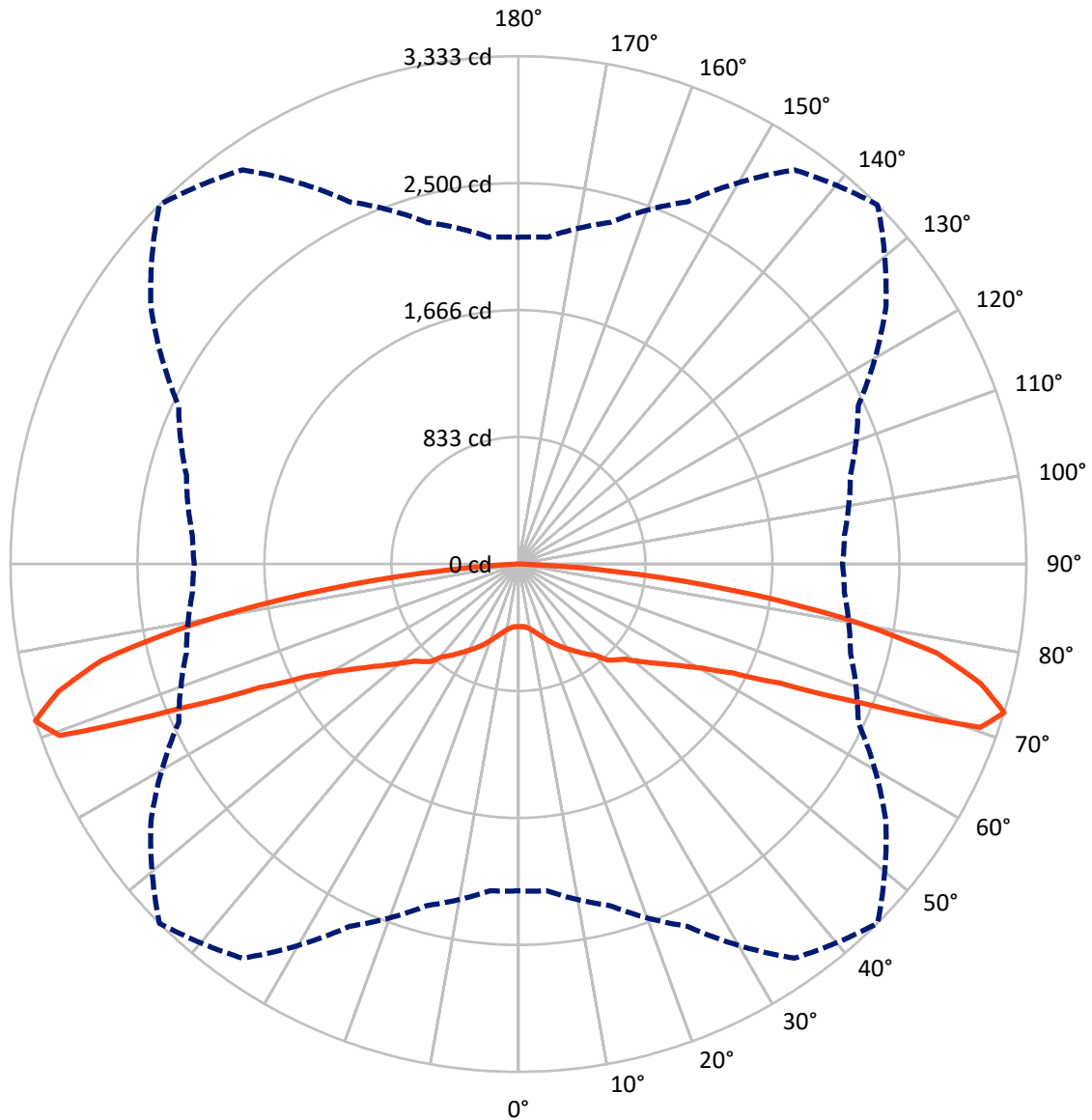


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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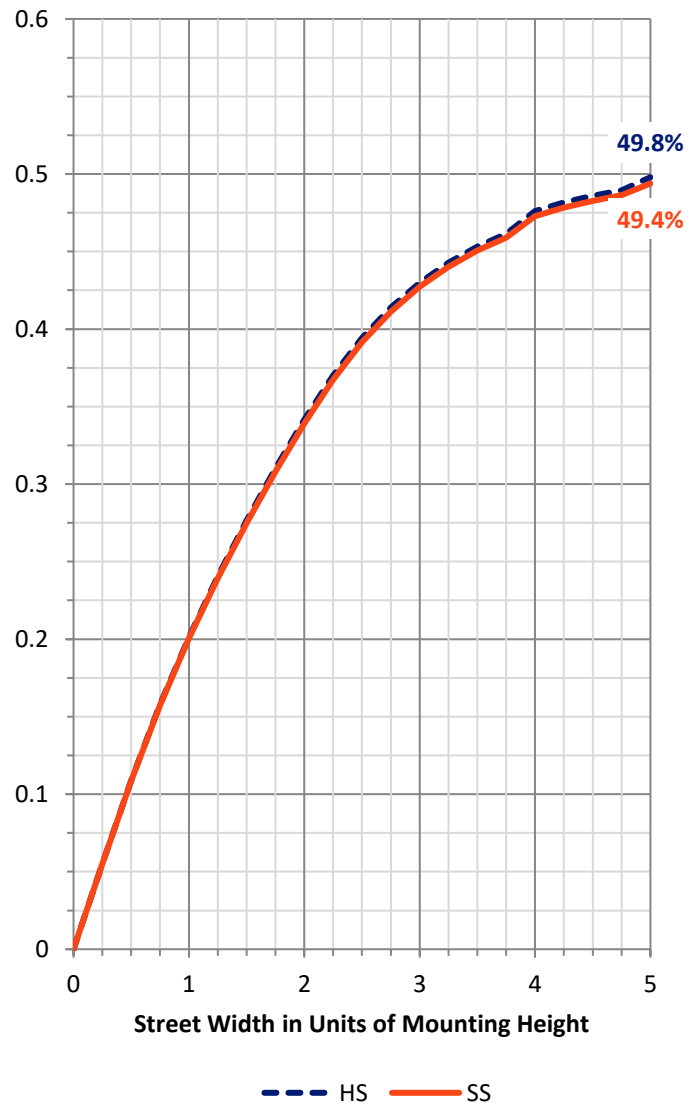
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3853.5	0.0	3853.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3853.5	0.0	3853.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7707.0	0.0	7707.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.4	0.5
10°-20°	136.7	1.8
20°-30°	272.8	3.5
30°-40°	452.7	5.9
40°-50°	712.3	9.2
50°-60°	1165.7	15.1
60°-70°	2188.6	28.4
70°-80°	2295.1	29.8
80°-90°	442.8	5.7
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°	7707.0	100.0
0°-180°	7707.0	100.0



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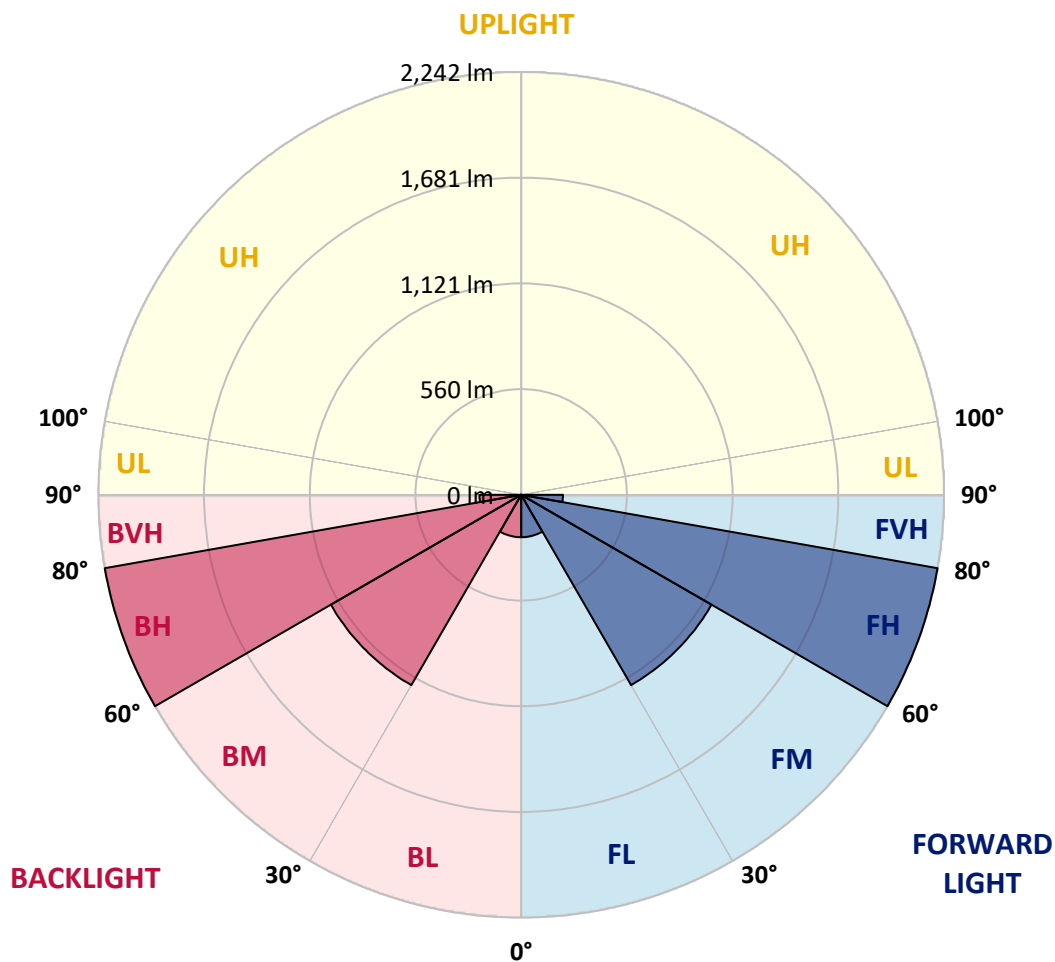
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.9	2.9			
FM	(30°-60°)	1165.4	15.1			
FH	(60°-80°)	2241.8	29.1			G2/5000
FVH	(80°-90°)	221.4	2.9			G2/225
BL	(0°-30°)	224.9	2.9	B1/500		
BM	(30°-60°)	1165.4	15.1	B2/2500		
BH	(60°-80°)	2241.8	29.1	B3/2500		G2/5000
BVH	(80°-90°)	221.4	2.9			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°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	416.2	416.2	414.5	414.5	411.2	410.4	409.6	408.7	408.7	410.4	411.2
5°	418.7	419.5	418.7	417.8	416.2	413.7	413.7	413.7	413.7	414.5	415.4
7.5°	428.6	430.3	429.4	426.9	424.5	422.0	421.2	422.0	422.0	422.8	422.0
10°	442.7	443.5	441.0	439.4	438.5	435.2	434.4	435.2	434.4	433.6	432.7
12.5°	458.4	459.2	457.6	456.7	455.9	452.6	451.8	453.4	451.8	450.9	450.1
15°	475.8	476.6	477.4	476.6	477.4	475.8	474.9	474.1	471.6	470.8	472.5
17.5°	497.3	498.9	500.6	501.4	502.2	500.6	498.9	498.9	495.6	495.6	496.4
20°	525.4	527.1	526.2	528.7	532.0	529.5	525.4	524.6	522.1	521.3	522.1
22.5°	556.0	556.8	554.4	556.0	560.2	559.3	553.5	551.1	551.1	550.2	549.4
25°	587.5	589.1	586.6	584.2	588.3	589.1	584.2	581.7	584.2	583.3	581.7
27.5°	618.9	619.7	617.2	614.8	616.4	618.9	615.6	613.1	618.9	617.2	614.8
30°	646.2	647.9	645.4	642.1	644.6	648.7	645.4	643.7	649.5	648.7	647.9
32.5°	675.2	676.0	674.3	672.7	676.0	680.1	676.8	678.5	684.3	684.3	685.1
35°	709.1	710.7	708.3	706.6	710.7	715.7	711.6	717.4	724.8	725.6	727.3
37.5°	745.5	748.0	744.7	743.8	744.7	753.8	749.6	761.2	769.5	772.8	775.3
40°	795.1	794.3	790.2	787.7	786.0	790.2	797.6	813.3	823.3	829.9	831.5
42.5°	845.6	846.4	848.9	849.8	853.1	862.2	872.1	880.4	883.7	884.5	883.7
45°	905.2	904.4	901.1	895.3	891.1	896.9	906.0	920.1	933.3	944.9	944.9
47.5°	985.4	983.0	965.6	944.1	930.8	933.3	945.7	971.4	1000.3	1022.7	1026.0
50°	1094.7	1090.5	1062.4	1022.7	997.9	997.9	1009.4	1046.7	1088.9	1117.0	1122.0
52.5°	1242.8	1236.2	1189.8	1127.8	1076.5	1073.2	1083.1	1133.6	1191.5	1226.2	1232.0
55°	1412.4	1409.1	1350.3	1257.7	1171.6	1155.9	1170.8	1236.2	1313.1	1363.6	1372.7
57.5°	1627.5	1612.6	1543.9	1428.1	1294.1	1256.0	1277.5	1371.8	1476.1	1541.5	1551.4
60°	1863.3	1848.4	1782.2	1644.9	1464.5	1386.7	1424.0	1557.2	1690.4	1767.4	1780.6
62.5°	2098.3	2100.0	2045.4	1918.8	1711.1	1572.1	1635.0	1818.6	1956.0	2026.3	2044.5
65°	2431.8	2421.0	2362.3	2245.6	2060.3	1882.4	1968.4	2149.6	2289.4	2369.7	2397.8
67.5°	2600.6	2604.7	2659.3	2684.9	2549.3	2437.6	2463.2	2585.7	2569.1	2541.8	2533.5
70°	2452.4	2458.2	2579.9	2761.9	3010.9	3214.5	2824.8	2598.1	2477.3	2425.1	2413.6
72.5°	2144.6	2152.1	2320.1	2622.9	3157.4	3332.8	2943.9	2459.9	2255.5	2147.1	2127.3
75°	1706.9	1713.6	1924.6	2325.0	2966.3	3133.4	2745.4	2158.7	1874.9	1731.8	1711.1
77.5°	1133.6	1150.9	1384.3	1850.1	2601.4	2805.8	2421.8	1725.2	1400.0	1240.3	1203.9
80°	522.1	540.3	775.3	1244.4	1960.1	2174.4	1790.5	1165.8	865.5	696.7	666.1
82.5°	168.0	181.2	346.7	690.1	1219.6	1419.0	1082.3	655.3	444.3	320.2	283.8
85°	29.0	31.4	96.0	295.4	608.1	639.6	411.2	204.4	101.8	40.5	27.3
87.5°	10.8	9.9	12.4	72.0	122.5	43.0	11.6	7.4	8.3	9.1	9.1
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)