

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: P129308

Luminaire Tested: **VERD-A02-E-U-T5-7030-AP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P129308
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-A02-E-U-T5-7030-AP
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE V OPTICS, GREY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9115 lumens
Efficiency: N/A
Efficacy: 99.1 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

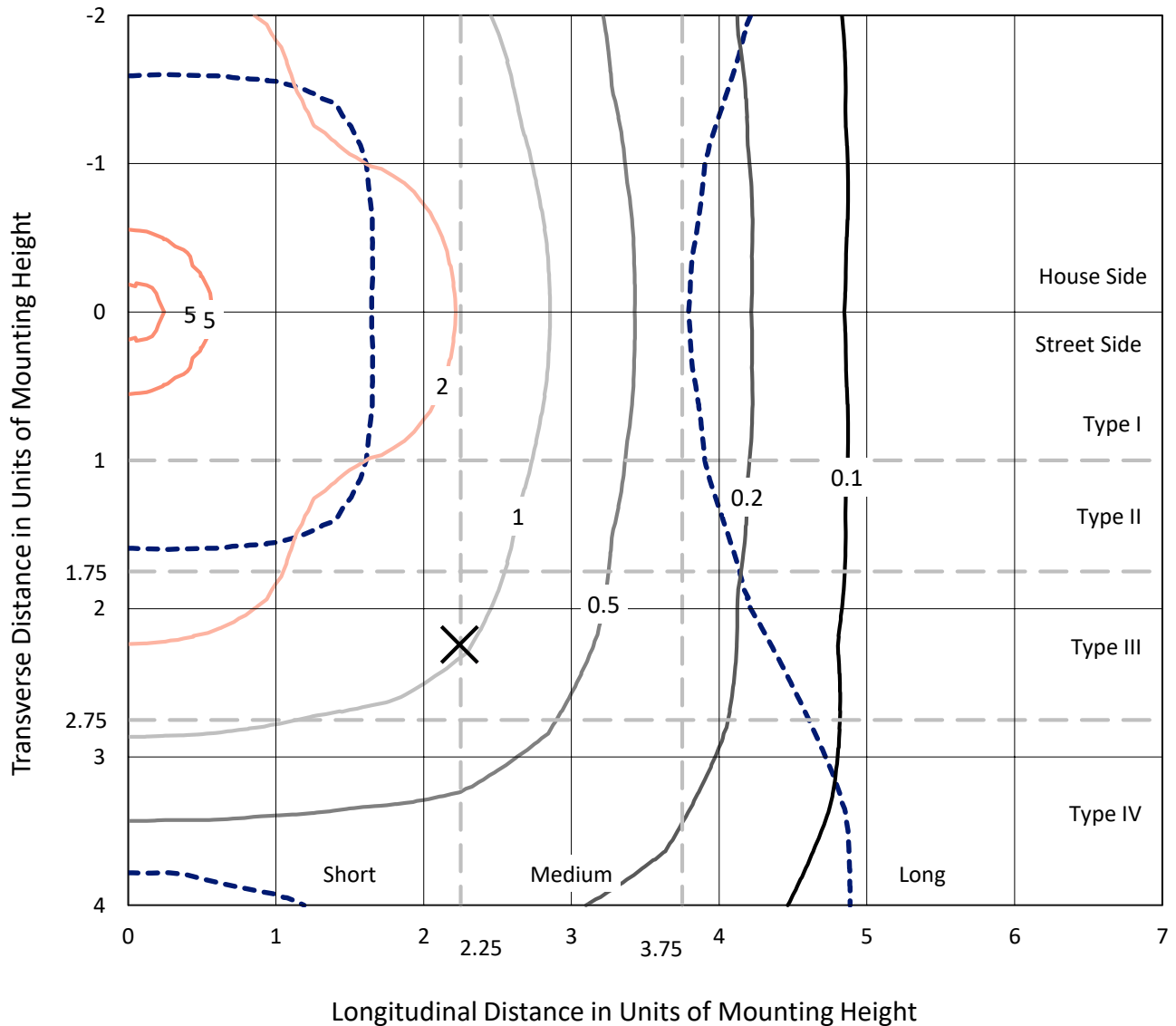
Input Watts (W): 92
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P129308
 CATALOG NUMBER: VERD-A02-E-U-T5-7030-AP

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

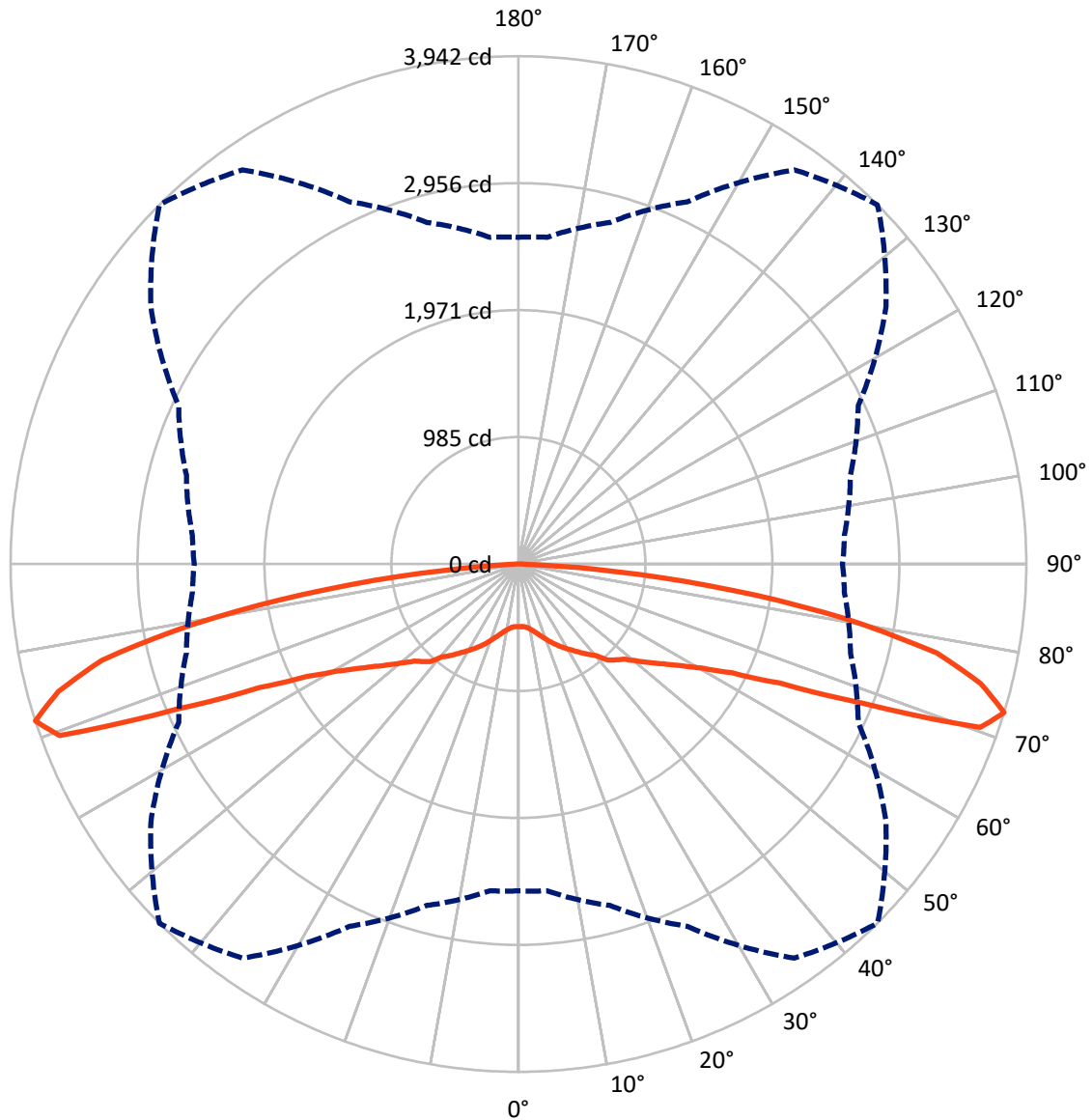


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P129308

CATALOG NUMBER: VERD-A02-E-U-T5-7030-AP

Luminous Intensity Polar Plot



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

REPORT NUMBER: P129308

CATALOG NUMBER: VERD-A02-E-U-T5-7030-AP

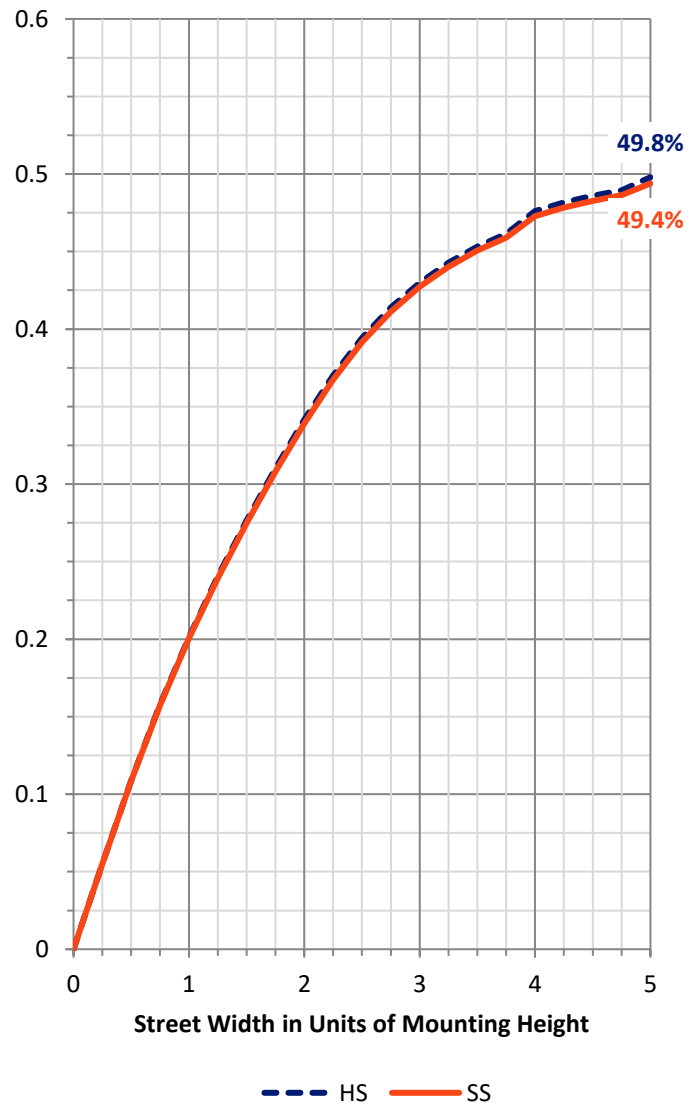
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4557.5	0.0	4557.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4557.5	0.0	4557.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9115.0	0.0	9115.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	0.5
10°-20°	161.6	1.8
20°-30°	322.6	3.5
30°-40°	535.4	5.9
40°-50°	842.4	9.2
50°-60°	1378.7	15.1
60°-70°	2588.4	28.4
70°-80°	2714.3	29.8
80°-90°	523.7	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°	9115.0	100.0
0°-180°	9115.0	100.0



REPORT NUMBER: P129308

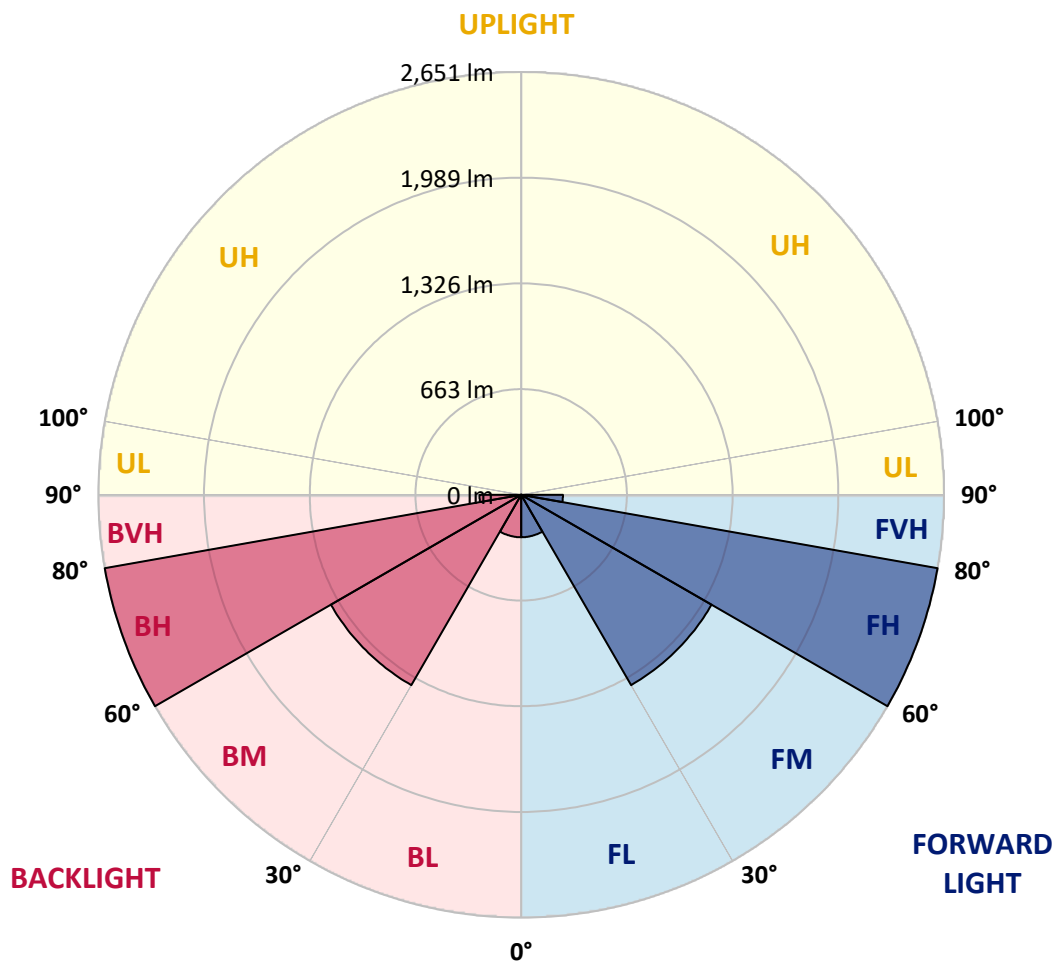
CATALOG NUMBER: VERD-A02-E-U-T5-7030-AP

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.0	2.9			
FM	(30°-60°)	1378.3	15.1			
FH	(60°-80°)	2651.4	29.1			G2/5000
FVH	(80°-90°)	261.8	2.9			G3/500
BL	(0°-30°)	266.0	2.9	B1/500		
BM	(30°-60°)	1378.3	15.1	B2/2500		
BH	(60°-80°)	2651.4	29.1	B4/5000		G2/5000
BVH	(80°-90°)	261.8	2.9			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: P129308

CATALOG NUMBER: VERD-A02-E-U-T5-7030-AP

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3	487.3
2.5°	492.2	492.2	490.3	490.3	486.4	485.4	484.4	483.4	483.4	485.4	486.4
5°	495.2	496.1	495.2	494.2	492.2	489.3	489.3	489.3	489.3	490.3	491.2
7.5°	506.9	508.9	507.9	504.9	502.0	499.1	498.1	499.1	499.1	500.1	499.1
10°	523.5	524.5	521.6	519.6	518.6	514.7	513.8	514.7	513.8	512.8	511.8
12.5°	542.1	543.1	541.2	540.2	539.2	535.3	534.3	536.3	534.3	533.3	532.3
15°	562.7	563.7	564.6	563.7	564.6	562.7	561.7	560.7	557.8	556.8	558.8
17.5°	588.1	590.1	592.0	593.0	594.0	592.0	590.1	590.1	586.2	586.2	587.1
20°	621.4	623.4	622.4	625.3	629.2	626.3	621.4	620.4	617.5	616.5	617.5
22.5°	657.6	658.6	655.6	657.6	662.5	661.5	654.7	651.7	651.7	650.8	649.8
25°	694.8	696.7	693.8	690.9	695.8	696.7	690.9	687.9	690.9	689.9	687.9
27.5°	732.0	733.0	730.0	727.1	729.0	732.0	728.1	725.1	732.0	730.0	727.1
30°	764.3	766.2	763.3	759.4	762.3	767.2	763.3	761.3	768.2	767.2	766.2
32.5°	798.5	799.5	797.5	795.6	799.5	804.4	800.5	802.4	809.3	809.3	810.3
35°	838.6	840.6	837.7	835.7	840.6	846.5	841.6	848.4	857.2	858.2	860.2
37.5°	881.7	884.6	880.7	879.7	880.7	891.5	886.6	900.3	910.1	914.0	916.9
40°	940.4	939.4	934.5	931.6	929.6	934.5	943.3	961.9	973.7	981.5	983.5
42.5°	1000.1	1001.1	1004.0	1005.0	1008.9	1019.7	1031.4	1041.2	1045.1	1046.1	1045.1
45°	1070.6	1069.6	1065.7	1058.8	1053.9	1060.8	1071.5	1088.2	1103.8	1117.5	1117.5
47.5°	1165.5	1162.5	1142.0	1116.6	1100.9	1103.8	1118.5	1148.8	1183.1	1209.5	1213.4
50°	1294.7	1289.8	1256.5	1209.5	1180.2	1180.2	1193.9	1237.9	1287.8	1321.1	1326.9
52.5°	1469.8	1462.0	1407.2	1333.8	1273.1	1269.2	1281.0	1340.6	1409.1	1450.2	1457.1
55°	1670.4	1666.5	1597.0	1487.4	1385.7	1367.1	1384.7	1462.0	1553.0	1612.7	1623.5
57.5°	1924.9	1907.2	1826.0	1689.0	1530.5	1485.5	1510.9	1622.5	1745.8	1823.1	1834.8
60°	2203.7	2186.1	2107.8	1945.4	1732.1	1640.1	1684.1	1841.7	1999.2	2090.2	2105.9
62.5°	2481.7	2483.6	2419.0	2269.3	2023.7	1859.3	1933.7	2150.9	2313.3	2396.5	2418.1
65°	2876.0	2863.3	2793.8	2655.8	2436.6	2226.3	2328.0	2542.3	2707.7	2802.6	2835.9
67.5°	3075.7	3080.5	3145.1	3175.5	3015.0	2882.9	2913.2	3058.0	3038.5	3006.2	2996.4
70°	2900.5	2907.3	3051.2	3266.5	3561.0	3801.8	3340.8	3072.7	2929.8	2868.2	2854.5
72.5°	2536.5	2545.3	2743.9	3102.1	3734.2	3941.7	3481.8	2909.3	2667.6	2539.4	2515.9
75°	2018.8	2026.6	2276.2	2749.8	3508.2	3705.9	3246.9	2553.1	2217.4	2048.2	2023.7
77.5°	1340.6	1361.2	1637.2	2188.1	3076.6	3318.3	2864.3	2040.3	1655.7	1466.9	1423.8
80°	617.5	639.0	916.9	1471.8	2318.2	2571.7	2117.6	1378.8	1023.6	824.0	787.8
82.5°	198.7	214.3	410.0	816.1	1442.4	1678.3	1280.0	775.0	525.5	378.7	335.7
85°	34.3	37.2	113.5	349.4	719.3	756.4	486.4	241.7	120.4	48.0	32.3
87.5°	12.7	11.7	14.7	85.1	144.8	50.9	13.7	8.8	9.8	10.8	10.8
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)