

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: P233630

Luminaire Tested: **VERD-C029-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233630
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-C029-D-U-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1030mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10068 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 81
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

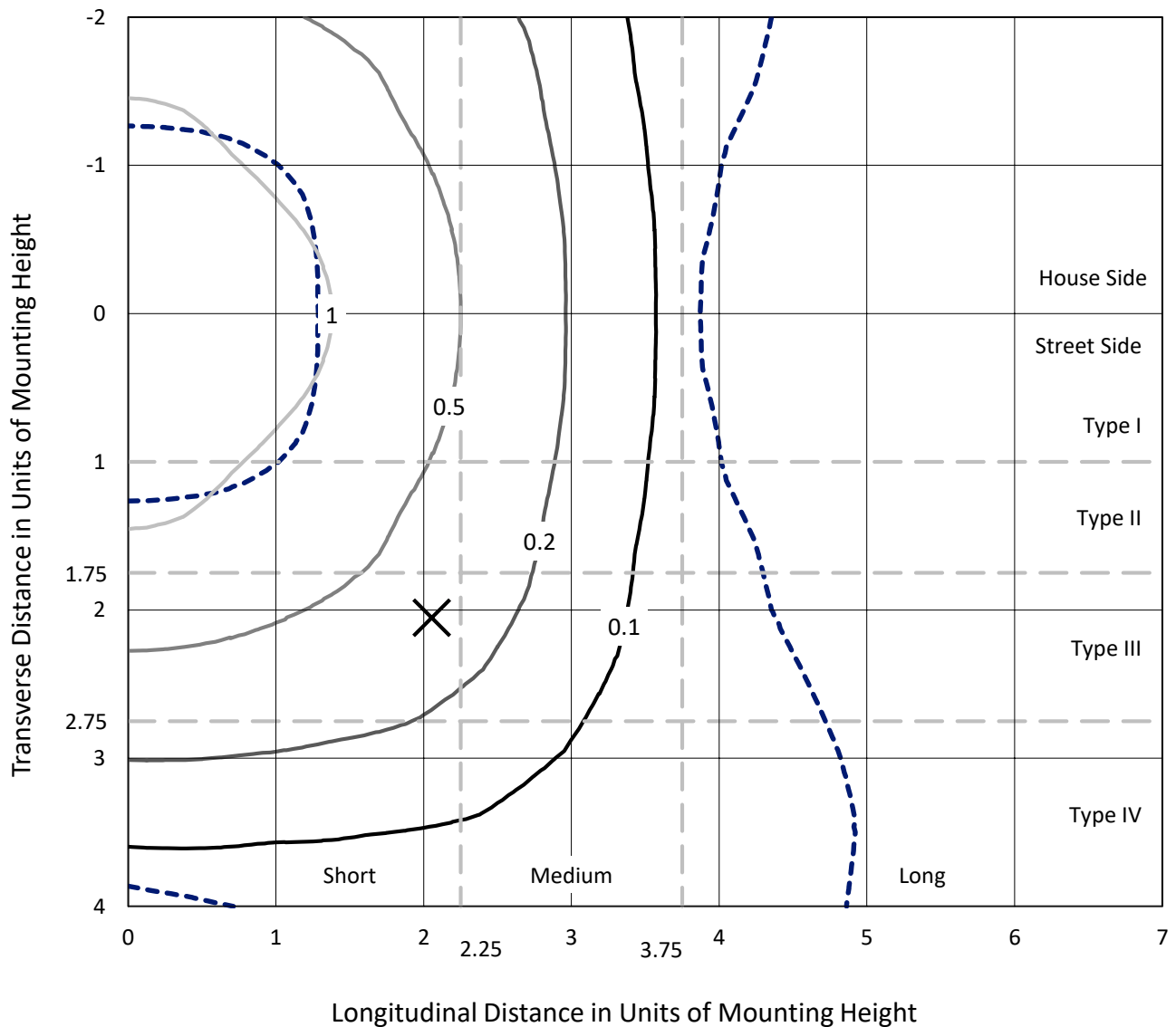


REPORT NUMBER: P233630

CATALOG NUMBER: VERD-C029-D-U-T5-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

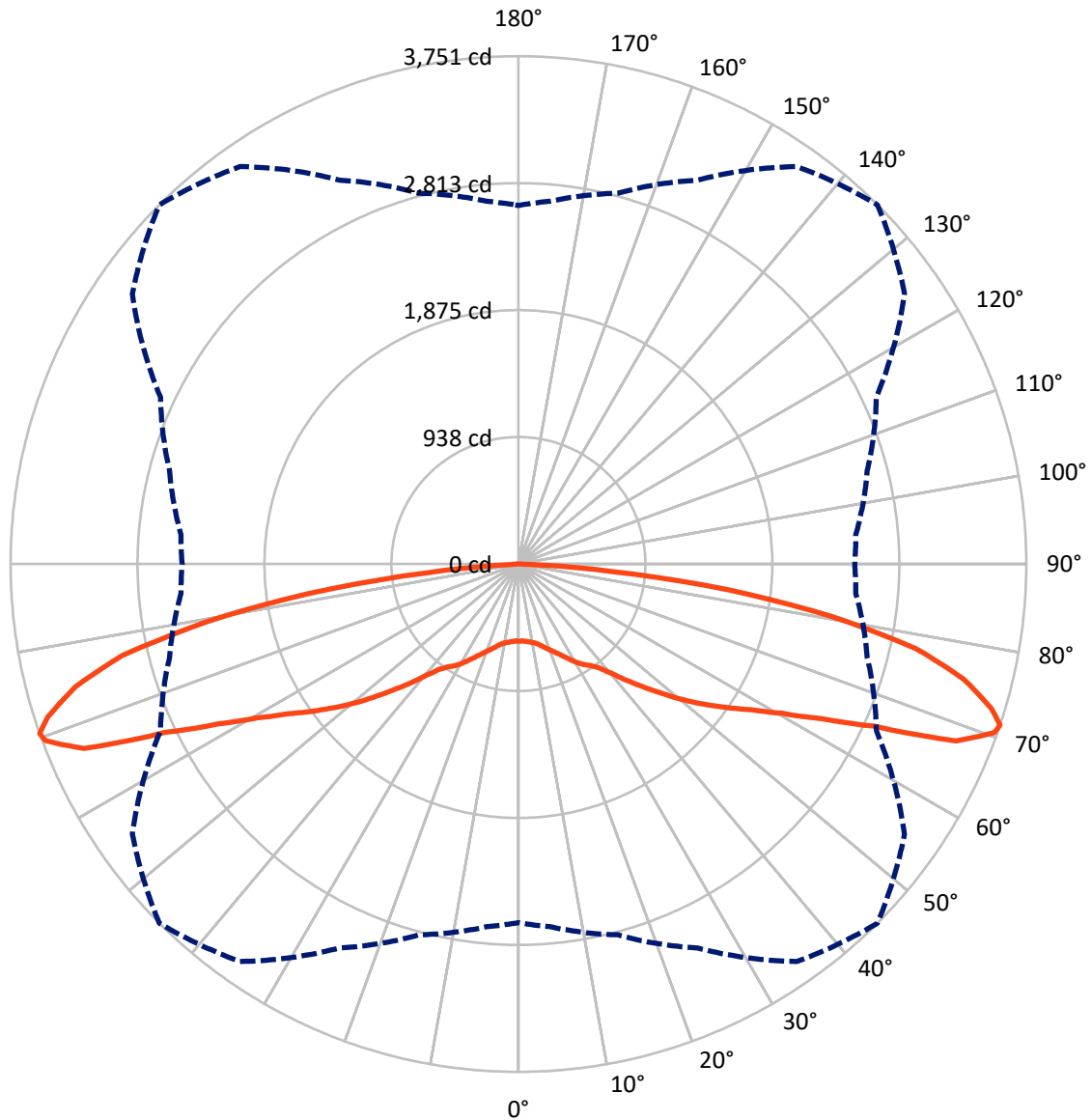


Based on 20 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233630

CATALOG NUMBER: VERD-C029-D-U-T5-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233630

CATALOG NUMBER: VERD-C029-D-U-T5-7030

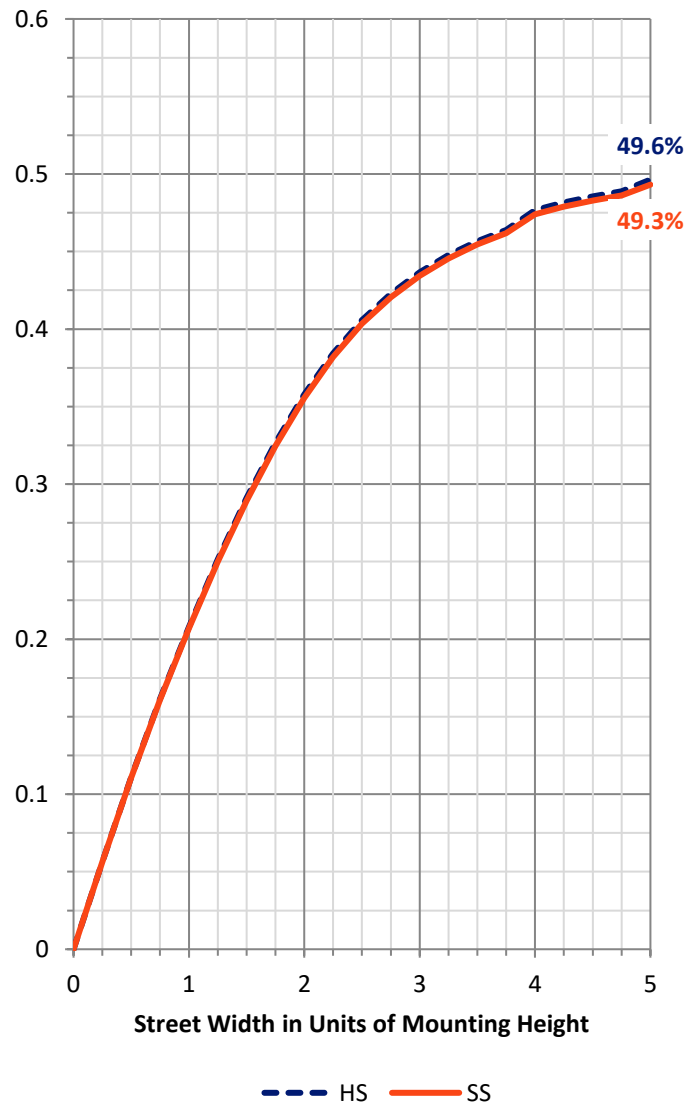
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5034.0	0.0	5034.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5034.0	0.0	5034.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10068.0	0.0	10068.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	0.6
10°-20°	178.0	1.8
20°-30°	343.1	3.4
30°-40°	580.2	5.8
40°-50°	1055.2	10.5
50°-60°	1799.8	17.9
60°-70°	2886.1	28.7
70°-80°	2624.2	26.1
80°-90°	545.9	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°	10068.0	100.0
0°-180°	10068.0	100.0



REPORT NUMBER: P233630

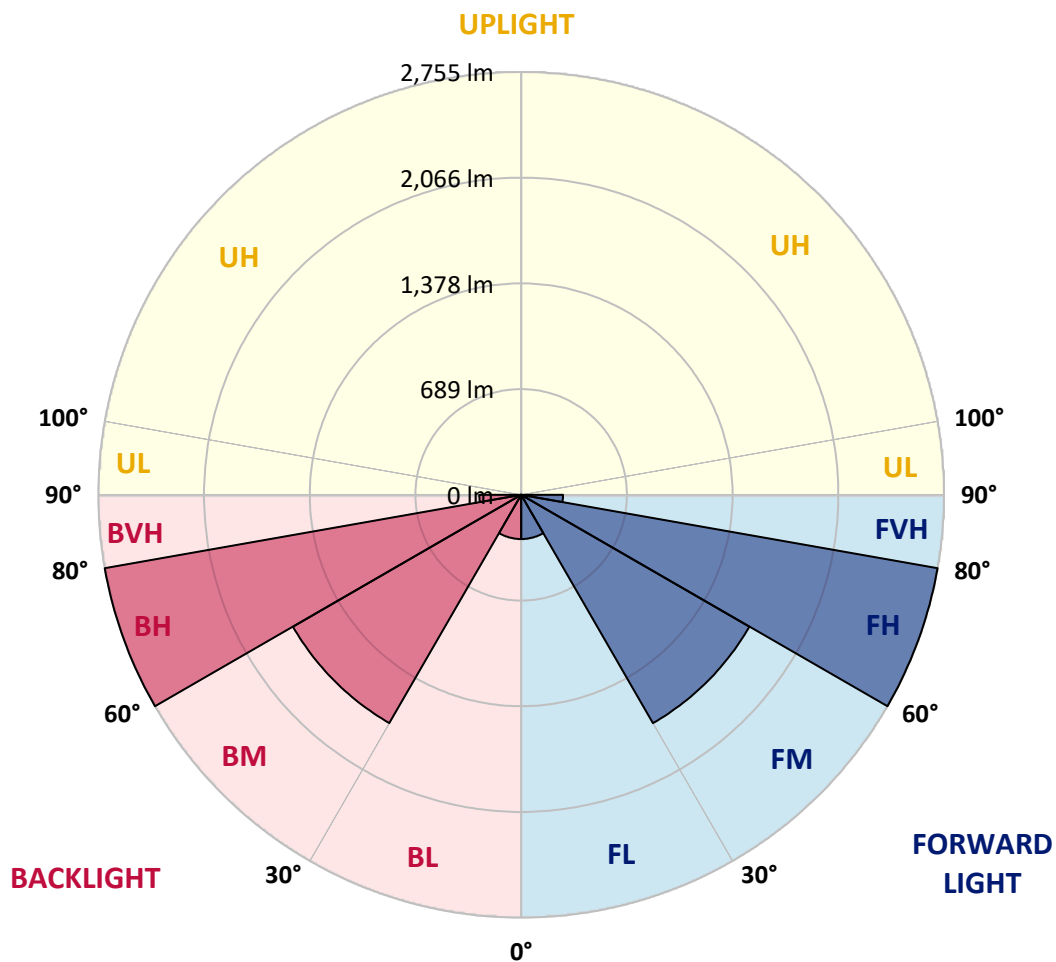
CATALOG NUMBER: VERD-C029-D-U-T5-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.3	2.9			
FM	(30°-60°)	1717.6	17.1			
FH	(60°-80°)	2755.1	27.4			G2/5000
FVH	(80°-90°)	273.0	2.7			G3/500
BL	(0°-30°)	288.3	2.9	B1/500		
BM	(30°-60°)	1717.6	17.1	B2/2500		
BH	(60°-80°)	2755.1	27.4	B4/5000		G2/5000
BVH	(80°-90°)	273.0	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: P233630

CATALOG NUMBER: VERD-C029-D-U-T5-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4
2.5°	575.8	575.8	574.9	570.4	571.3	568.6	566.8	567.7	568.6	568.6	567.7
5°	580.3	580.3	579.4	575.8	576.7	574.0	573.1	574.0	575.8	577.6	575.8
7.5°	589.3	588.4	586.6	583.0	583.0	581.2	579.4	580.3	582.1	583.0	582.1
10°	599.1	598.2	595.5	591.9	591.9	590.2	586.6	586.6	586.6	585.7	584.8
12.5°	609.9	609.0	606.3	602.7	605.4	602.7	600.0	599.1	596.4	594.6	593.7
15°	626.9	626.0	623.3	620.6	627.8	624.2	619.7	615.3	613.5	611.7	609.9
17.5°	647.6	646.7	644.9	643.1	652.0	652.0	644.0	635.9	636.8	634.1	632.3
20°	671.8	670.9	669.1	670.9	680.7	679.8	669.1	659.2	662.8	657.4	655.6
22.5°	702.3	700.5	697.8	700.5	714.8	712.1	698.7	689.7	692.4	689.7	687.9
25°	735.4	731.9	728.3	731.9	755.2	749.8	736.3	725.6	731.0	729.2	728.3
27.5°	767.7	764.1	761.5	758.8	794.6	793.7	775.8	765.0	771.3	772.2	773.1
30°	799.1	798.2	793.7	790.2	828.7	841.3	810.8	806.3	810.8	816.2	818.0
32.5°	841.3	839.5	835.0	828.7	854.7	885.2	851.1	854.7	861.9	872.7	871.8
35°	897.8	893.3	887.0	880.7	896.9	921.1	905.9	913.0	925.6	938.1	936.3
37.5°	957.9	957.0	950.7	935.5	953.4	974.9	970.4	983.9	1005.4	1030.5	1026.9
40°	1044.0	1044.9	1031.4	1011.7	1026.9	1061.9	1066.4	1094.2	1131.9	1167.7	1168.6
42.5°	1179.4	1176.7	1166.8	1139.0	1148.9	1174.9	1196.4	1239.5	1286.1	1322.9	1328.3
45°	1347.1	1343.5	1323.8	1279.9	1277.2	1296.0	1327.4	1383.0	1439.5	1475.4	1478.1
47.5°	1539.1	1526.5	1496.0	1438.6	1418.0	1426.9	1459.2	1521.1	1579.4	1618.9	1616.2
50°	1728.3	1729.2	1692.4	1617.1	1575.8	1575.8	1594.7	1659.2	1718.4	1755.2	1756.1
52.5°	1941.8	1933.7	1897.8	1807.2	1740.0	1721.1	1727.4	1788.4	1849.4	1888.8	1888.8
55°	2157.0	2148.9	2114.0	2013.5	1926.5	1871.8	1865.5	1922.9	1989.3	2027.0	2031.4
57.5°	2378.5	2373.2	2336.4	2227.0	2118.4	2031.4	2017.1	2082.6	2152.5	2190.2	2192.9
60°	2609.0	2601.9	2565.1	2479.9	2347.2	2237.7	2210.8	2277.2	2360.6	2409.9	2407.2
62.5°	2877.2	2868.2	2839.5	2730.1	2635.9	2517.6	2464.6	2540.9	2640.4	2697.8	2702.3
65°	3092.5	3096.1	3123.0	3106.8	3018.9	2889.8	2836.9	2958.8	3016.2	3026.1	3018.9
67.5°	3036.0	3049.4	3108.6	3242.2	3401.0	3486.2	3278.1	3131.9	3022.5	2958.8	2949.9
70°	2792.0	2801.9	2943.6	3162.4	3583.1	3728.4	3465.6	2989.3	2759.7	2661.1	2649.4
71°	2648.5	2688.9	2835.1	3128.3	3584.0	3750.8	3480.8	2916.7	2667.3	2501.4	2483.5
72.5°	2429.7	2464.6	2648.5	3000.1	3531.9	3653.9	3319.4	2746.3	2457.5	2319.3	2273.6
75°	1981.2	2045.8	2208.1	2670.9	3294.3	3396.5	3030.6	2422.5	2113.1	1963.3	1951.6
77.5°	1409.0	1453.0	1698.7	2198.3	2904.1	3000.1	2679.0	2036.8	1709.5	1570.4	1555.2
80°	783.0	826.9	1086.1	1545.3	2242.2	2339.1	2050.3	1487.9	1161.5	1013.5	952.5
82.5°	350.7	376.7	567.7	915.7	1438.6	1564.2	1245.8	818.0	559.7	396.4	364.1
85°	122.0	135.4	226.0	415.3	736.3	679.8	426.9	204.5	71.8	35.0	32.3
87.5°	23.3	26.0	49.3	115.7	120.2	55.6	17.9	13.5	13.5	14.4	14.4
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)