

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: P233405

Luminaire Tested: **VERD-C01-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C01-D-U-T1-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 1230mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6629 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

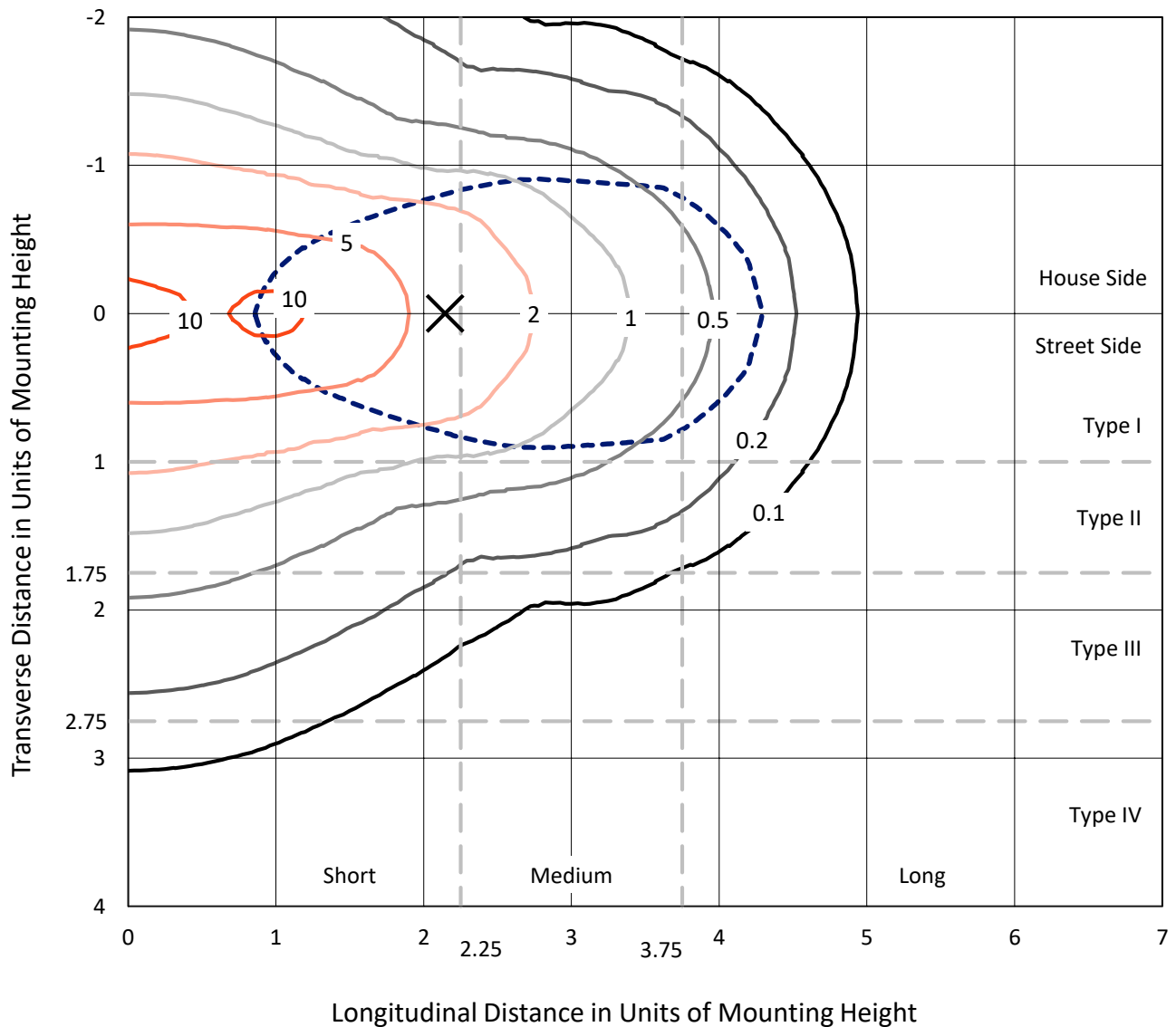
Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233405
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Iso-Footcandle Lines of Horizontal Illumination

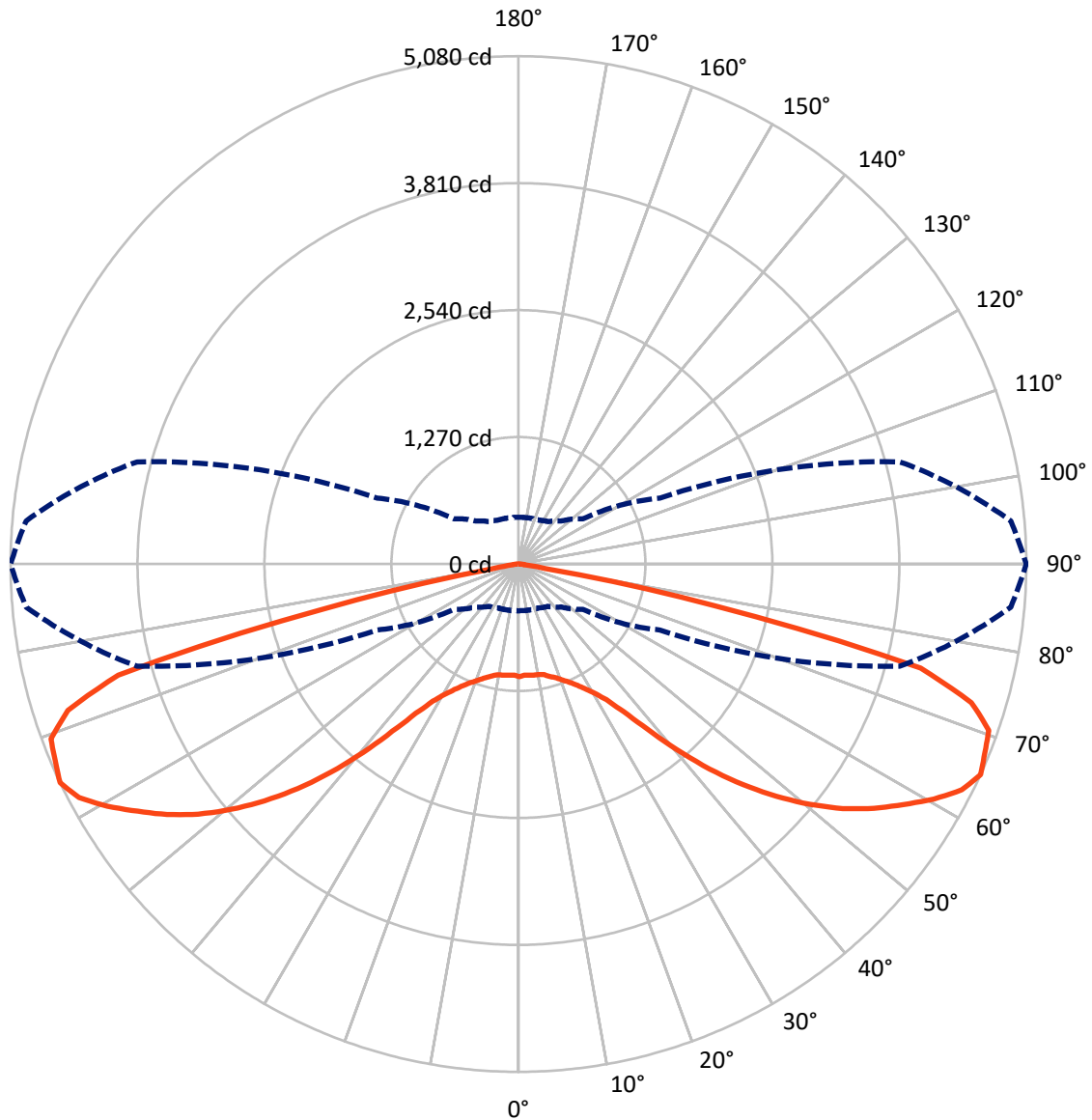
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P233405
CATALOG NUMBER: VERD-C01-D-U-T1-8027

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3314.5	0.0	3314.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3314.5	0.0	3314.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6629.0	0.0	6629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.6
10°-20°	315.7	4.8
20°-30°	517.6	7.8
30°-40°	748.5	11.3
40°-50°	1096.0	16.5
50°-60°	1421.8	21.4
60°-70°	1503.6	22.7
70°-80°	882.7	13.3
80°-90°	36.4	0.5
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°	6629.0	100.0
0°-180°	6629.0	100.0

Coefficient of Utilization



REPORT NUMBER: P233405

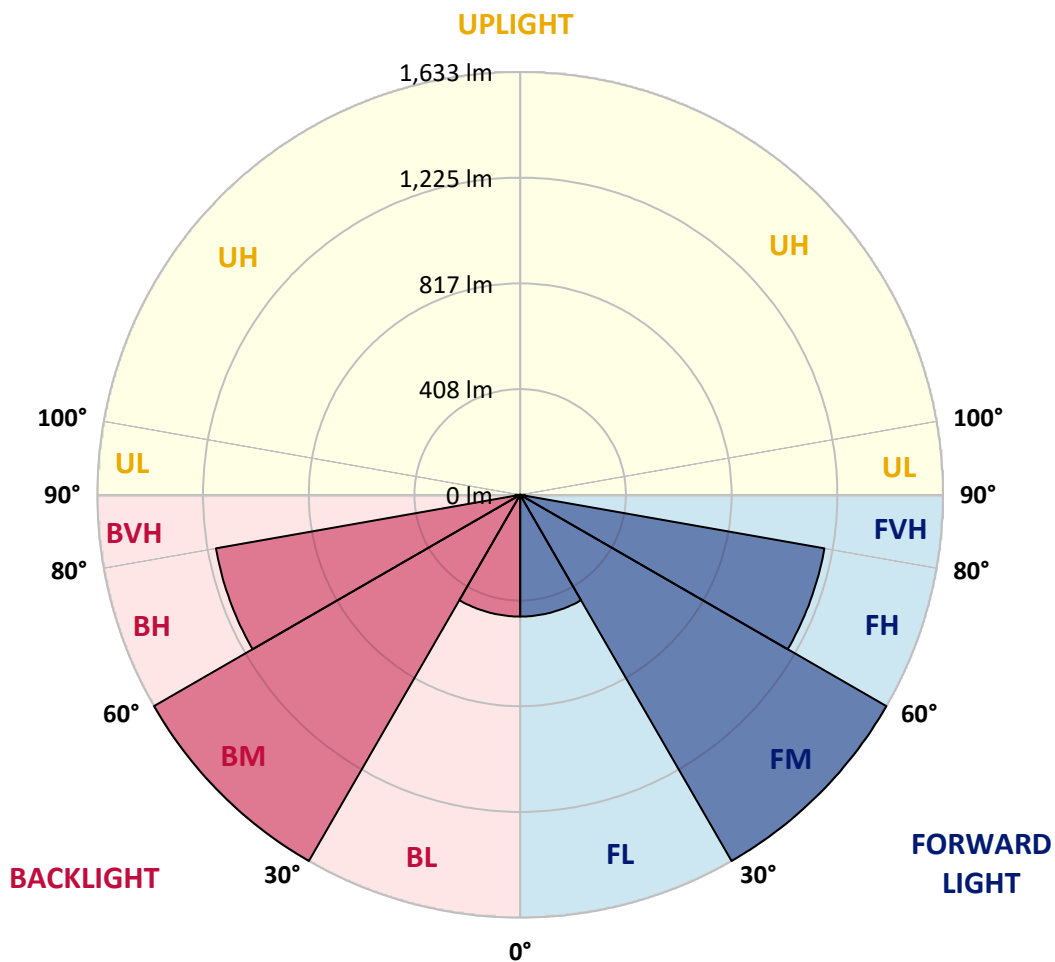
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.1	7.1			
FM (30°-60°)	1633.1	24.6			
FH (60°-80°)	1193.1	18.0			G1/1800
FVH (80°-90°)	18.2	0.3			G1/100
BL (0°-30°)	470.1	7.1	B1/500		
BM (30°-60°)	1633.1	24.6	B2/2500		
BH (60°-80°)	1193.1	18.0	B3/2500		G1/1800
BVH (80°-90°)	18.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P233405

CATALOG NUMBER: VERD-C01-D-U-T1-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1128.3	1128.3	1128.3	1128.3	1128.3	1128.3	1128.3	1128.3	1128.3	1128.3	1128.3
2.5°	1139.2	1138.0	1131.7	1122.6	1119.7	1122.0	1121.4	1118.6	1118.6	1119.7	1112.3
5°	1132.3	1130.6	1123.2	1120.9	1121.4	1124.3	1123.7	1121.4	1122.6	1121.4	1115.7
7.5°	1120.3	1118.6	1114.0	1112.9	1111.7	1116.3	1120.9	1123.7	1127.2	1125.4	1121.4
10°	1108.9	1105.4	1106.0	1100.3	1102.6	1111.1	1115.7	1120.9	1126.0	1125.4	1124.3
12.5°	1091.7	1088.3	1090.0	1088.3	1096.3	1106.6	1120.3	1130.0	1135.7	1134.0	1135.7
15°	1070.5	1069.4	1072.2	1074.5	1088.8	1112.3	1127.2	1148.3	1160.9	1161.5	1165.5
17.5°	1046.5	1044.2	1049.4	1057.9	1084.3	1110.0	1147.2	1170.6	1189.0	1191.8	1195.3
20°	1005.9	1007.0	1015.0	1029.9	1067.1	1113.4	1159.2	1194.7	1221.0	1227.9	1235.3
22.5°	954.9	957.8	972.7	1003.6	1051.6	1109.4	1172.4	1222.7	1260.5	1275.9	1280.5
25°	901.7	906.3	930.3	971.5	1033.9	1107.7	1189.0	1255.3	1309.1	1333.7	1336.6
27.5°	854.2	858.2	889.1	941.8	1017.3	1108.3	1203.8	1294.8	1367.5	1403.5	1409.2
30°	806.2	810.8	842.8	908.0	1000.7	1107.1	1221.0	1339.4	1437.3	1488.8	1497.4
32.5°	765.0	769.6	802.7	870.8	980.1	1105.4	1241.6	1393.8	1521.4	1604.9	1616.4
35°	730.1	735.2	769.0	835.9	953.8	1106.0	1271.4	1468.2	1651.8	1789.7	1812.0
37.5°	700.9	706.1	735.8	803.3	926.9	1101.4	1307.4	1562.0	1824.6	2052.9	2094.1
40°	682.6	687.2	709.5	769.6	894.3	1091.1	1349.2	1666.1	2035.8	2368.8	2440.9
42.5°	663.7	668.9	687.2	738.7	859.4	1075.7	1385.8	1770.9	2256.0	2700.0	2803.0
45°	643.1	646.5	666.6	712.9	825.1	1051.6	1417.8	1871.0	2487.2	3036.5	3148.1
47.5°	625.9	627.7	644.3	687.2	789.0	1016.2	1426.4	1956.8	2720.6	3363.8	3473.0
50°	614.5	611.6	627.1	664.3	755.3	967.0	1411.5	2020.9	2971.8	3676.2	3779.7
52.5°	596.8	596.2	608.2	642.0	723.2	910.3	1358.3	2051.8	3223.0	3968.5	4064.7
55°	580.2	580.2	589.9	616.2	689.5	852.0	1267.3	2039.2	3463.9	4245.5	4315.8
57.5°	556.1	555.6	563.6	587.6	650.0	797.0	1152.3	1980.8	3659.6	4501.8	4540.1
60°	532.7	532.1	536.7	555.0	612.2	738.1	1029.3	1866.4	3853.5	4728.4	4774.1
62.5°	502.9	502.4	506.9	523.0	569.9	675.2	908.6	1726.8	3967.4	4858.8	4977.3
65°	467.5	468.0	473.8	484.1	517.2	607.6	789.0	1560.3	3948.5	4943.5	5080.3
67.5°	433.7	432.0	436.6	438.3	462.9	536.7	677.4	1428.1	3804.3	4958.4	5032.8
70°	391.9	389.6	389.6	382.8	399.9	453.7	572.7	1289.7	3394.7	4822.8	4992.1
72.5°	327.9	327.9	324.4	317.0	327.9	367.9	477.2	1135.2	2750.4	4528.7	4738.7
75°	204.3	206.0	213.4	236.3	252.3	277.5	378.2	956.7	2246.9	3767.7	4155.1
77.5°	104.7	107.0	109.9	110.4	114.4	119.6	180.2	535.5	1142.0	1877.3	2002.6
80°	26.3	26.9	64.7	72.1	77.2	79.5	66.4	178.5	295.8	276.9	270.6
82.5°	17.7	18.9	37.2	45.8	42.3	32.0	36.6	54.4	44.1	60.1	67.5
85°	9.7	9.7	16.6	17.7	18.3	20.6	18.3	17.7	20.0	38.3	44.6
87.5°	4.6	4.6	6.9	8.6	8.6	10.3	8.6	9.2	9.2	17.7	20.6
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)