

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: P316086

Luminaire Tested: **GAN-SA2C-727-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12746 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

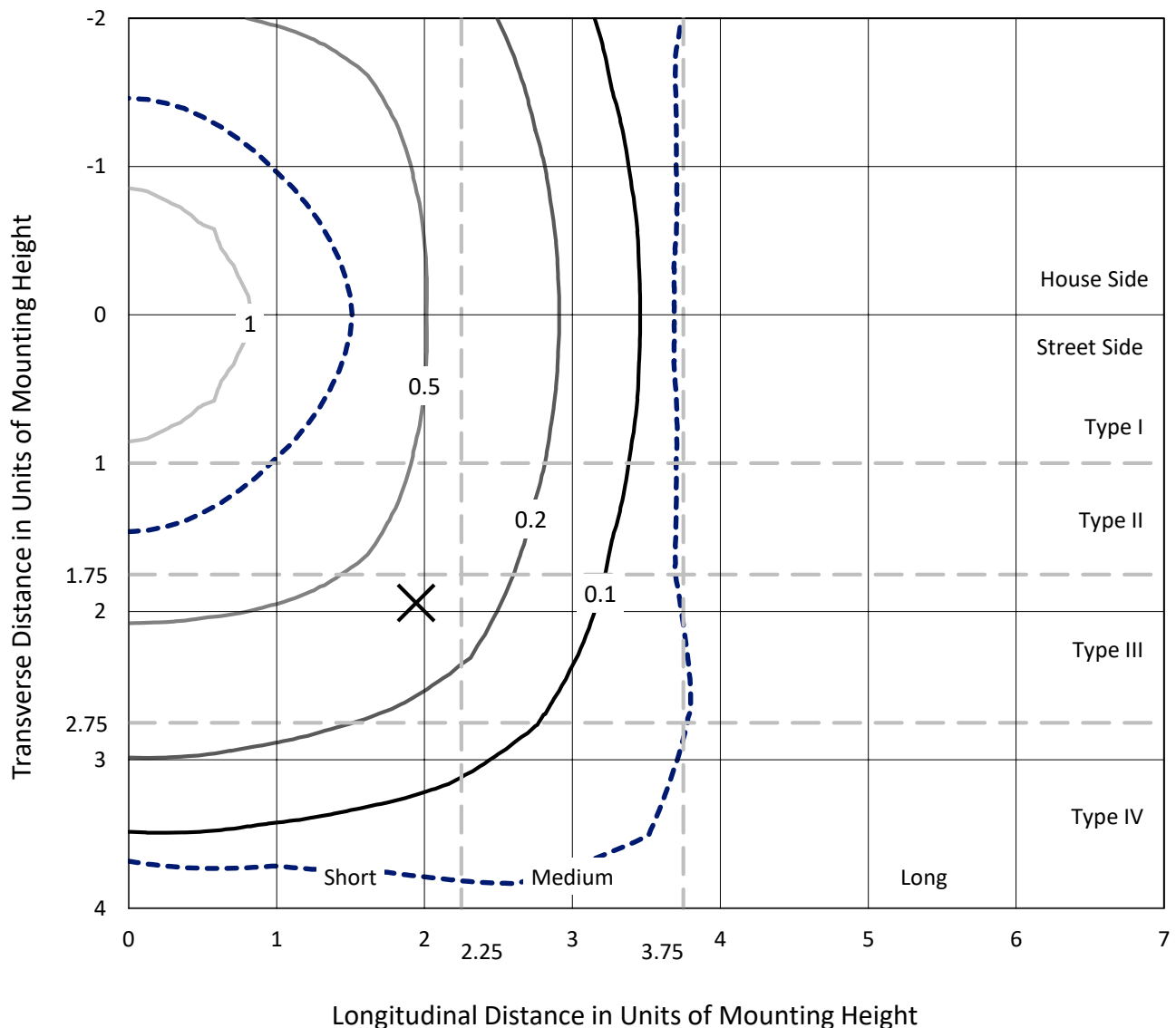
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316086
 CATALOG NUMBER: GAN-SA2C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

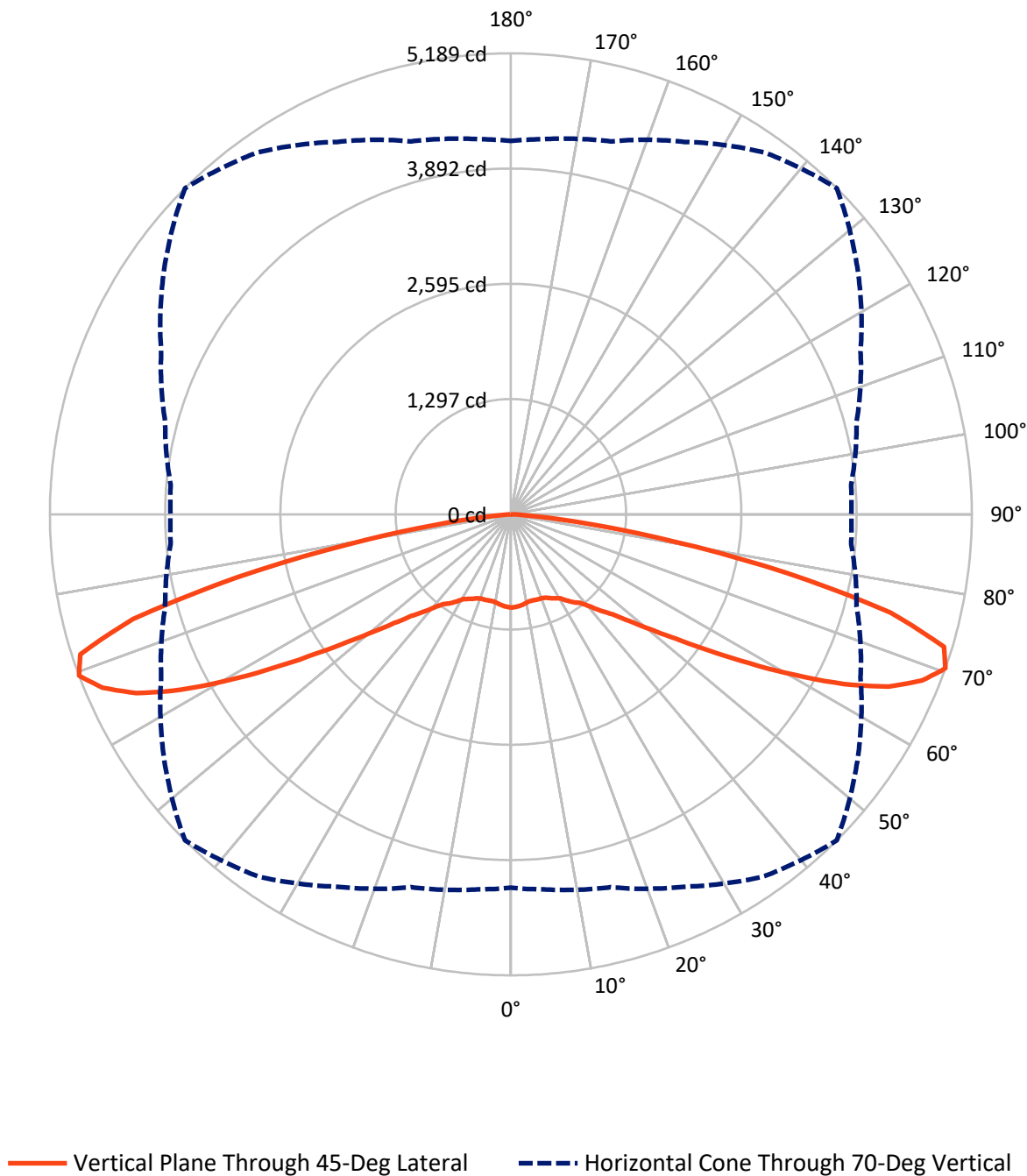
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

REPORT NUMBER: P316086
CATALOG NUMBER: GAN-SA2C-727-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6373.0	0.0	6373.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6373.0	0.0	6373.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12746.0	0.0	12746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	0.8
10°-20°	286.0	2.2
20°-30°	487.6	3.8
30°-40°	761.9	6.0
40°-50°	1291.2	10.1
50°-60°	2354.6	18.5
60°-70°	4053.7	31.8
70°-80°	3177.4	24.9
80°-90°	235.6	1.8
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°	12746.0	100.0
0°-180°	12746.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316086

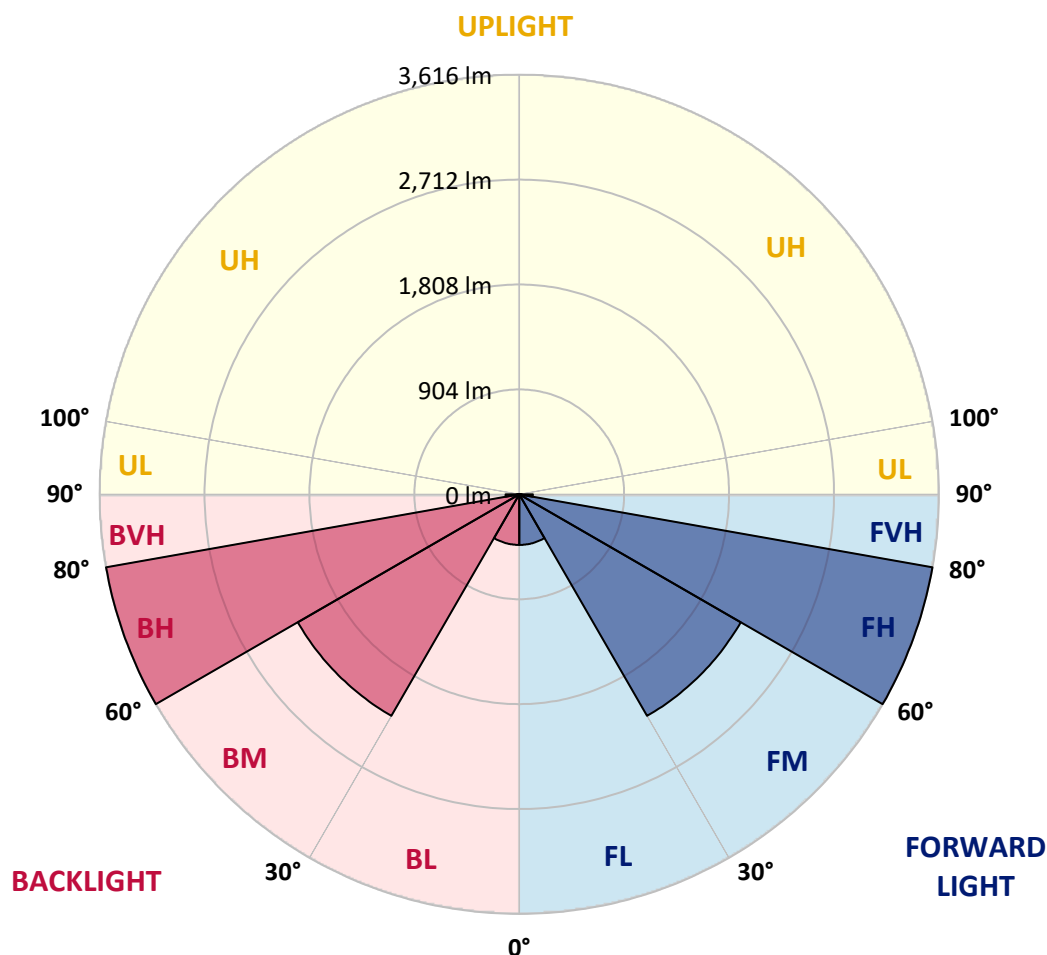
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	435.7	3.4			
FM	(30°-60°)	2203.9	17.3			
FH	(60°-80°)	3615.6	28.4			G2/5000
FVH	(80°-90°)	117.8	0.9			G2/225
BL	(0°-30°)	435.7	3.4	B1/500		
BM	(30°-60°)	2203.9	17.3	B2/2500		
BH	(60°-80°)	3615.6	28.4	B4/5000		G2/5000
BVH	(80°-90°)	117.8	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0	1049.0
2.5°	1044.4	1045.6	1044.4	1045.2	1043.1	1043.9	1043.9	1043.9	1043.5	1043.9	1043.1
5°	1035.1	1035.9	1034.2	1035.1	1033.8	1035.1	1035.5	1035.1	1034.2	1034.7	1033.0
7.5°	1021.2	1022.0	1020.7	1022.0	1020.3	1022.4	1022.0	1020.7	1019.5	1019.5	1017.8
10°	1013.6	1014.0	1010.6	1009.4	1005.6	1006.4	1007.7	1008.9	1010.2	1012.7	1012.3
12.5°	1014.0	1014.0	1008.9	1003.5	998.0	999.2	1001.4	1006.0	1011.1	1015.7	1016.1
15°	1018.2	1017.8	1010.2	1001.4	997.6	1001.4	1002.6	1005.6	1013.6	1021.6	1022.0
17.5°	1021.2	1021.2	1009.4	999.2	998.8	1004.7	1004.3	1005.6	1014.4	1026.2	1026.7
20°	1026.7	1026.7	1011.5	1000.5	1000.5	1006.8	1007.3	1009.4	1018.2	1031.3	1033.4
22.5°	1038.9	1039.3	1023.3	1014.4	1015.3	1019.1	1020.3	1023.7	1031.7	1046.0	1048.6
25°	1056.2	1057.0	1040.6	1035.5	1038.5	1045.6	1044.8	1047.3	1056.2	1070.1	1072.6
27.5°	1080.2	1078.1	1062.9	1060.8	1063.8	1068.8	1068.4	1068.8	1076.0	1088.6	1091.6
30°	1111.4	1110.6	1099.6	1100.9	1099.6	1097.9	1098.3	1101.7	1105.5	1115.6	1118.6
32.5°	1141.8	1142.6	1135.9	1142.2	1151.5	1157.8	1148.1	1138.8	1134.6	1140.1	1142.6
35°	1196.6	1198.7	1188.1	1183.9	1196.6	1215.1	1187.7	1172.5	1181.0	1188.1	1190.2
37.5°	1289.7	1291.0	1273.3	1256.4	1247.2	1264.9	1237.5	1238.7	1268.2	1281.7	1281.3
40°	1396.0	1396.4	1384.6	1369.9	1353.8	1358.0	1347.1	1350.5	1369.9	1382.1	1385.5
42.5°	1522.5	1521.2	1502.7	1481.6	1476.9	1481.2	1462.6	1460.1	1482.4	1504.4	1504.8
45°	1686.5	1683.5	1659.5	1636.3	1614.0	1604.7	1600.1	1612.3	1643.1	1663.3	1663.7
47.5°	1863.2	1855.1	1842.5	1823.9	1804.5	1795.3	1787.7	1793.6	1815.9	1823.9	1824.8
50°	2044.9	2046.6	2049.1	2041.9	2034.8	2031.8	2012.0	2000.6	2007.3	1992.6	1990.5
52.5°	2260.3	2263.7	2288.1	2308.8	2321.0	2327.4	2289.8	2250.6	2228.7	2200.0	2191.6
55°	2514.6	2520.0	2555.9	2613.2	2672.2	2703.4	2635.6	2562.2	2494.3	2440.8	2423.5
57.5°	2797.9	2807.6	2856.9	2967.0	3088.0	3161.7	3047.1	2913.8	2782.7	2705.6	2692.1
60°	3130.1	3139.4	3207.7	3365.4	3561.4	3672.3	3498.6	3280.6	3117.5	3043.7	3018.8
62.5°	3525.6	3526.5	3610.4	3794.6	4053.5	4207.8	3972.5	3681.2	3513.0	3424.0	3400.0
65°	3951.0	3953.1	4040.0	4239.0	4506.7	4674.5	4408.9	4105.3	3899.6	3768.5	3749.9
67.5°	4251.6	4260.5	4352.0	4591.5	4841.9	4993.3	4718.4	4375.2	4137.4	3981.0	3965.4
70°	4203.6	4238.2	4345.7	4625.2	4973.5	5189.3	4768.6	4343.1	4029.4	3844.8	3831.7
72.5°	3666.0	3732.2	3875.6	4242.4	4799.3	5096.6	4494.9	3889.9	3534.9	3377.6	3354.0
75°	2496.4	2603.9	2820.2	3349.4	4100.3	4412.7	3784.1	3101.5	2767.5	2550.0	2534.0
77.5°	1113.1	1137.5	1411.6	2020.8	2829.5	3168.9	2749.4	2028.8	1522.9	1214.7	1149.8
80°	310.3	314.1	419.1	752.6	1416.2	1861.9	1520.4	790.5	444.4	313.3	295.1
82.5°	98.7	107.1	130.7	195.2	476.0	849.6	488.7	210.8	150.1	119.7	107.9
85°	48.1	47.6	66.2	79.3	121.4	188.0	129.4	97.8	85.6	56.9	51.4
87.5°	20.2	20.7	30.8	27.8	35.4	30.4	41.7	43.8	46.0	25.3	21.9
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)