

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: P317035

Luminaire Tested: **GAN-SA1B-727-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-727-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5115 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

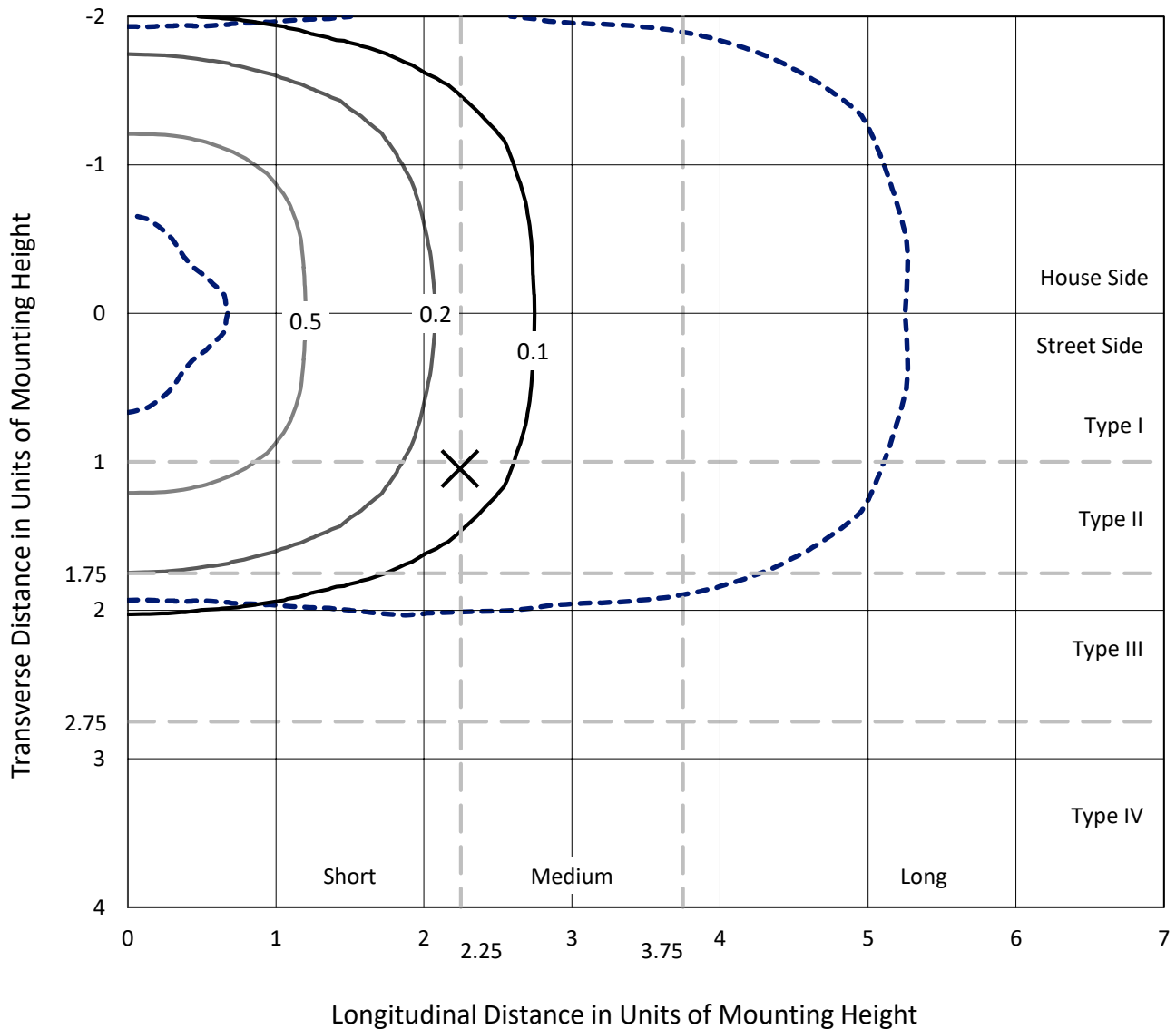
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

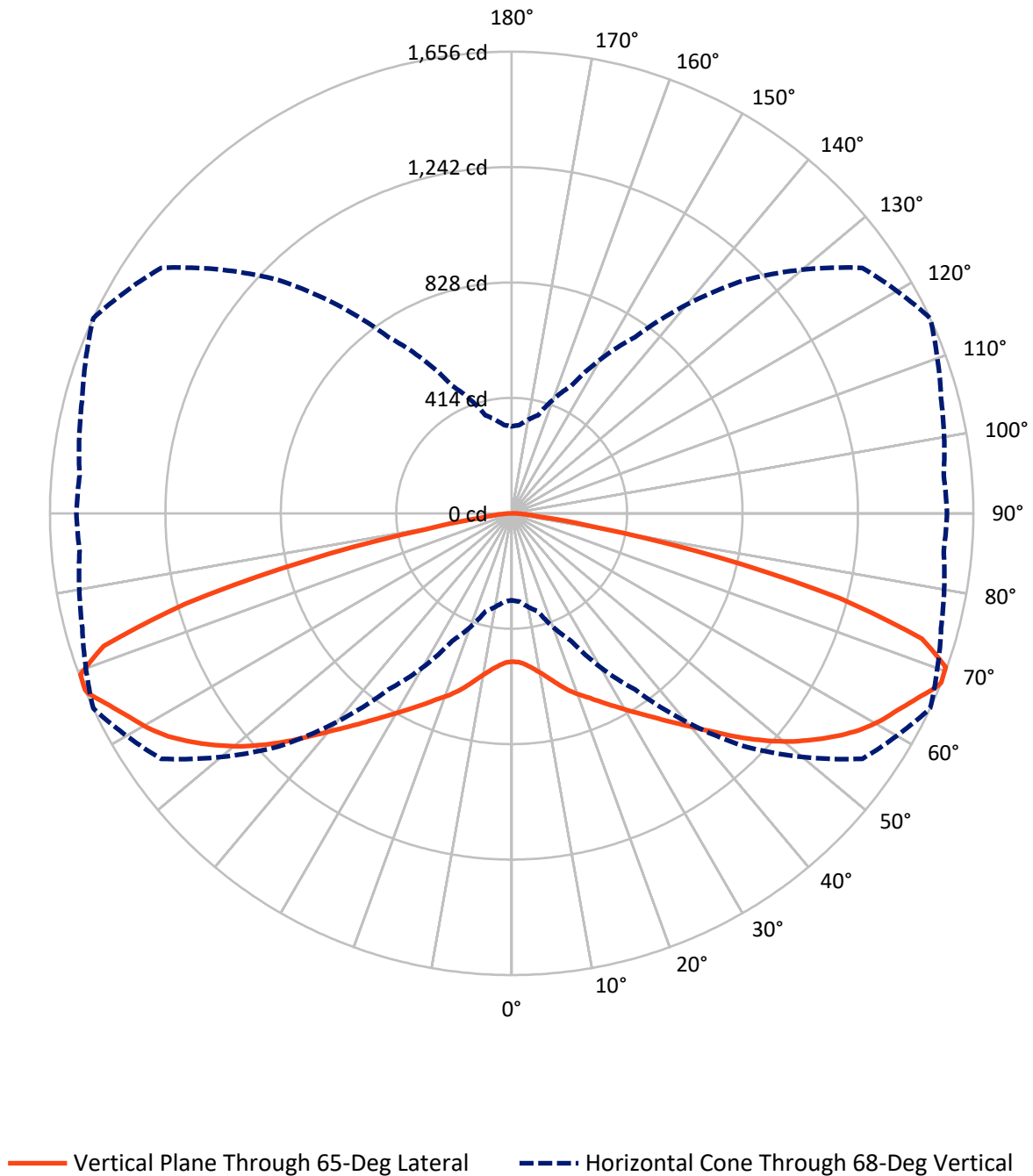
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2557.5	0.0	2557.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2557.5	0.0	2557.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5115.0	0.0	5115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.0
10°-20°	174.4	3.4
20°-30°	339.9	6.6
30°-40°	571.1	11.2
40°-50°	899.8	17.6
50°-60°	1203.4	23.5
60°-70°	1169.8	22.9
70°-80°	639.5	12.5
80°-90°	65.0	1.3
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°	5115.0	100.0
0°-180°	5115.0	100.0

Coefficient of Utilization



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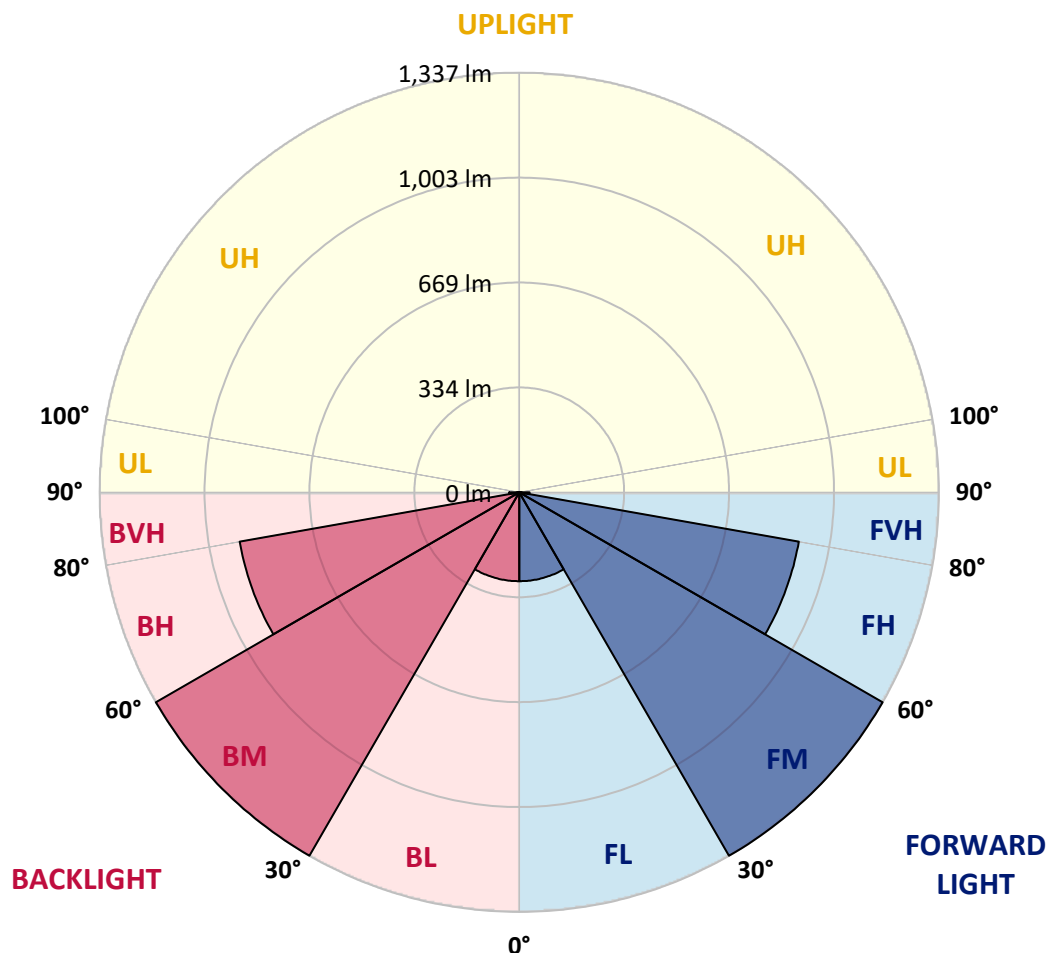
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.2	5.5			
FM	(30°-60°)	1337.1	26.1			
FH	(60°-80°)	904.7	17.7			G1/1800
FVH	(80°-90°)	32.5	0.6			G1/100
BL	(0°-30°)	283.2	5.5	B1/500		
BM	(30°-60°)	1337.1	26.1	B2/2500		
BH	(60°-80°)	904.7	17.7	B2/1000		G2/1000
BVH	(80°-90°)	32.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8	531.8
2.5°	528.1	528.2	529.1	530.1	531.0	533.2	533.7	534.6	534.9	535.8	535.8
5°	523.4	523.8	525.8	528.6	531.7	537.2	541.1	545.6	547.8	550.2	550.0
7.5°	522.9	523.8	526.7	531.2	536.3	545.4	553.6	562.5	568.5	574.0	573.7
10°	528.2	529.6	533.7	540.4	548.1	559.5	571.6	583.6	594.1	602.5	602.8
12.5°	536.3	538.0	544.5	554.6	566.3	580.9	595.3	608.8	623.3	635.8	636.8
15°	546.9	549.2	558.9	574.0	591.9	609.2	624.6	638.5	655.2	672.5	674.2
17.5°	562.7	565.8	578.7	599.1	622.6	641.6	657.7	668.2	682.1	699.9	703.2
20°	586.7	590.7	607.0	631.3	660.0	679.8	692.2	694.4	701.3	717.2	721.0
22.5°	617.9	621.4	639.5	668.5	700.6	722.2	728.7	719.8	719.1	732.0	735.6
25°	652.8	655.8	676.9	709.5	744.0	767.8	767.7	750.3	738.3	748.3	752.1
27.5°	691.9	696.7	716.9	751.2	788.1	811.6	810.2	783.4	760.6	763.2	766.5
30°	736.8	742.1	761.8	796.6	833.5	856.5	854.8	819.5	785.2	778.3	780.7
32.5°	792.5	798.9	817.6	851.9	884.5	905.2	900.2	858.6	814.7	799.7	802.0
35°	859.6	863.4	883.1	916.9	943.3	957.5	947.1	903.8	852.0	834.0	834.0
37.5°	927.5	930.4	952.5	985.3	1010.9	1018.4	998.0	953.4	900.9	875.4	875.9
40°	992.7	1000.6	1025.4	1059.0	1084.3	1086.3	1059.2	1010.0	955.3	928.9	932.0
42.5°	1060.8	1068.5	1098.2	1136.2	1158.5	1162.0	1130.2	1073.5	1016.7	995.2	998.7
45°	1121.5	1127.7	1162.0	1206.2	1234.0	1242.9	1205.3	1146.2	1083.1	1062.1	1063.0
47.5°	1163.8	1171.9	1209.6	1261.8	1302.2	1316.0	1279.1	1217.0	1148.4	1123.0	1125.2
50°	1202.3	1206.5	1244.8	1301.7	1353.2	1381.5	1349.9	1287.0	1214.4	1187.5	1189.9
52.5°	1223.7	1229.2	1266.2	1325.6	1386.5	1432.1	1412.9	1349.9	1278.2	1252.0	1254.9
55°	1208.8	1212.9	1257.3	1330.9	1407.0	1463.3	1466.2	1411.5	1340.8	1317.9	1326.1
57.5°	1140.9	1146.0	1200.2	1296.6	1409.6	1484.4	1506.3	1468.6	1399.3	1380.6	1385.4
60°	1034.7	1038.0	1095.8	1204.1	1359.5	1493.1	1531.9	1515.3	1456.6	1437.9	1444.4
62.5°	845.5	850.3	919.4	1064.7	1253.7	1467.2	1556.6	1553.8	1509.9	1492.8	1498.6
65°	578.0	586.4	662.9	846.6	1090.6	1388.0	1579.1	1598.8	1557.1	1535.5	1543.2
67.5°	349.0	355.2	410.6	558.9	834.5	1228.2	1555.9	1649.9	1590.4	1555.6	1561.9
68°	312.0	317.6	363.9	504.4	771.9	1183.0	1534.8	1655.7	1594.0	1555.2	1560.9
70°	188.5	192.3	223.3	311.8	514.7	938.5	1390.9	1650.9	1617.0	1560.0	1563.3
72.5°	122.8	124.0	129.1	160.0	262.9	524.8	1044.0	1538.4	1651.4	1588.0	1587.5
75°	102.0	101.4	101.9	105.5	129.7	230.2	610.0	1215.3	1574.3	1543.9	1533.1
77.5°	86.3	85.8	85.6	85.8	86.8	111.1	264.8	757.0	1204.7	1365.7	1375.3
80°	69.8	69.1	71.3	70.3	67.2	69.1	111.0	314.9	567.9	610.9	572.5
82.5°	50.8	48.2	57.8	55.1	52.5	48.7	61.2	101.7	135.5	93.0	65.3
85°	39.1	36.4	43.9	42.2	36.0	24.9	36.4	49.7	54.9	31.4	24.7
87.5°	16.0	16.8	31.7	25.0	21.1	12.0	14.9	19.9	26.8	13.4	10.3
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)