

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: P526040

Luminaire Tested: **GLAN-SA1A-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3486 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

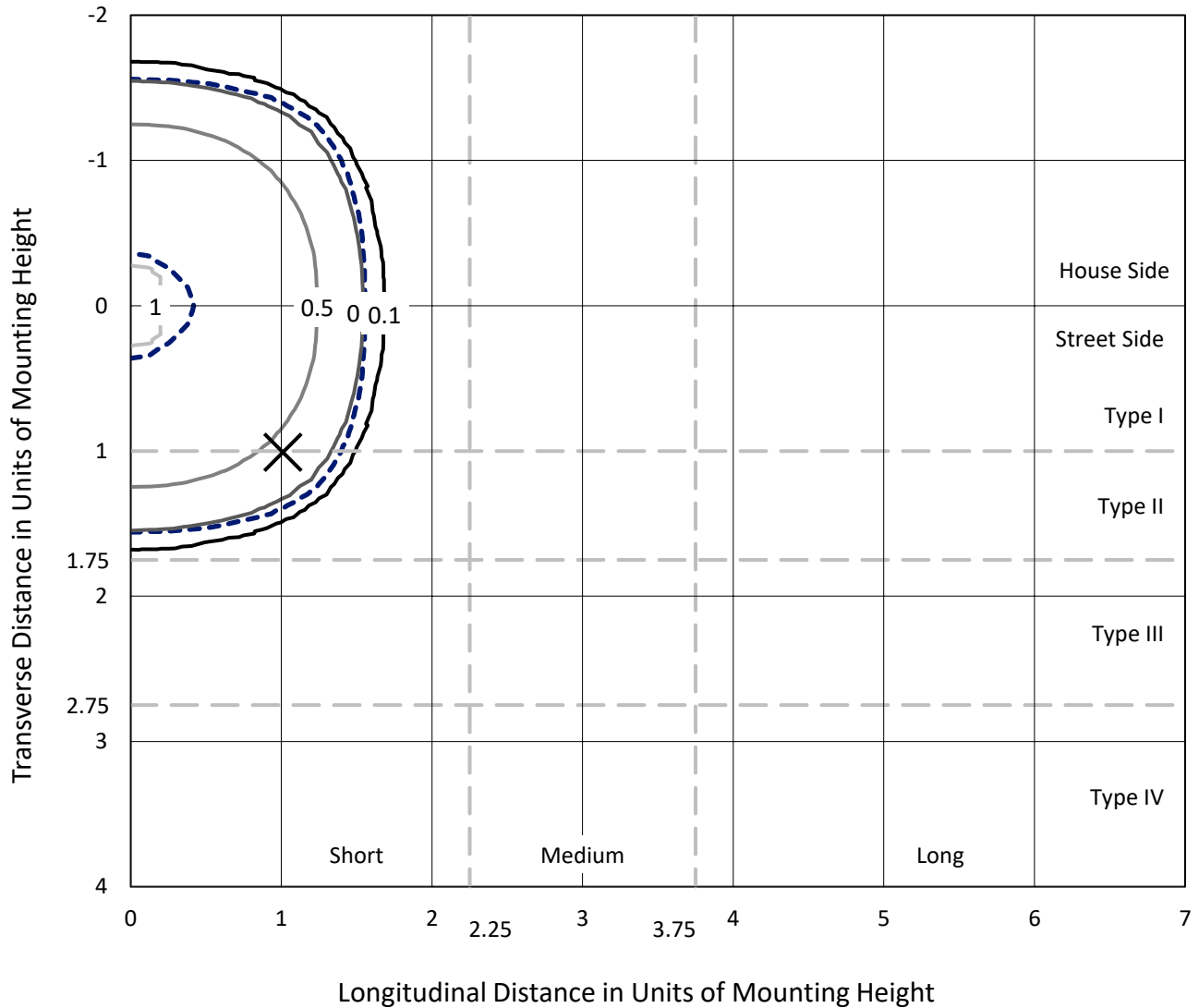
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

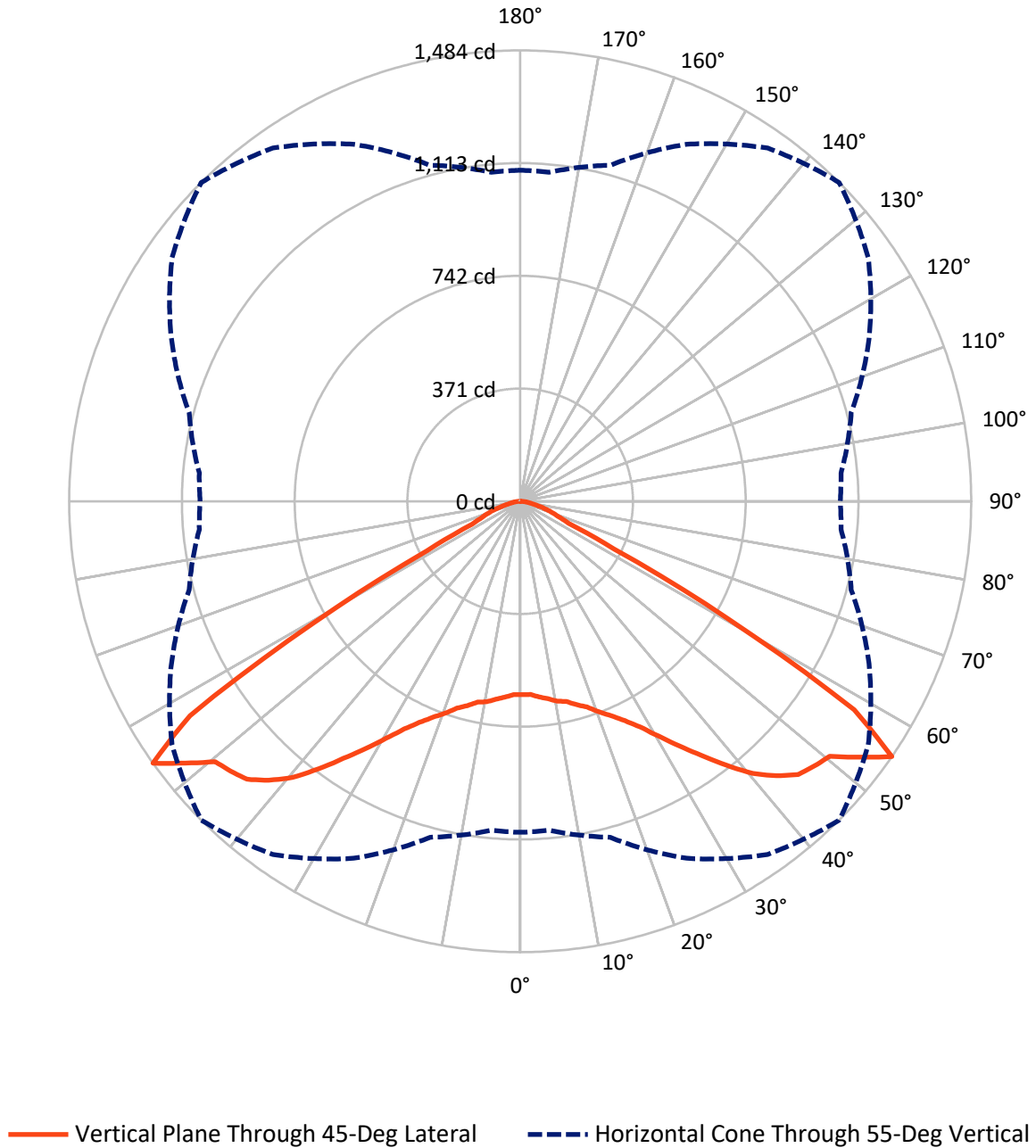
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1743.0	0.0	1743.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1743.0	0.0	1743.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3486.0	0.0	3486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	1.8
10°-20°	197.0	5.7
20°-30°	367.4	10.5
30°-40°	615.1	17.6
40°-50°	957.1	27.5
50°-60°	993.8	28.5
60°-70°	210.8	6.0
70°-80°	69.4	2.0
80°-90°	13.2	0.4
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°	3486.0	100.0
0°-180°	3486.0	100.0

Coefficient of Utilization



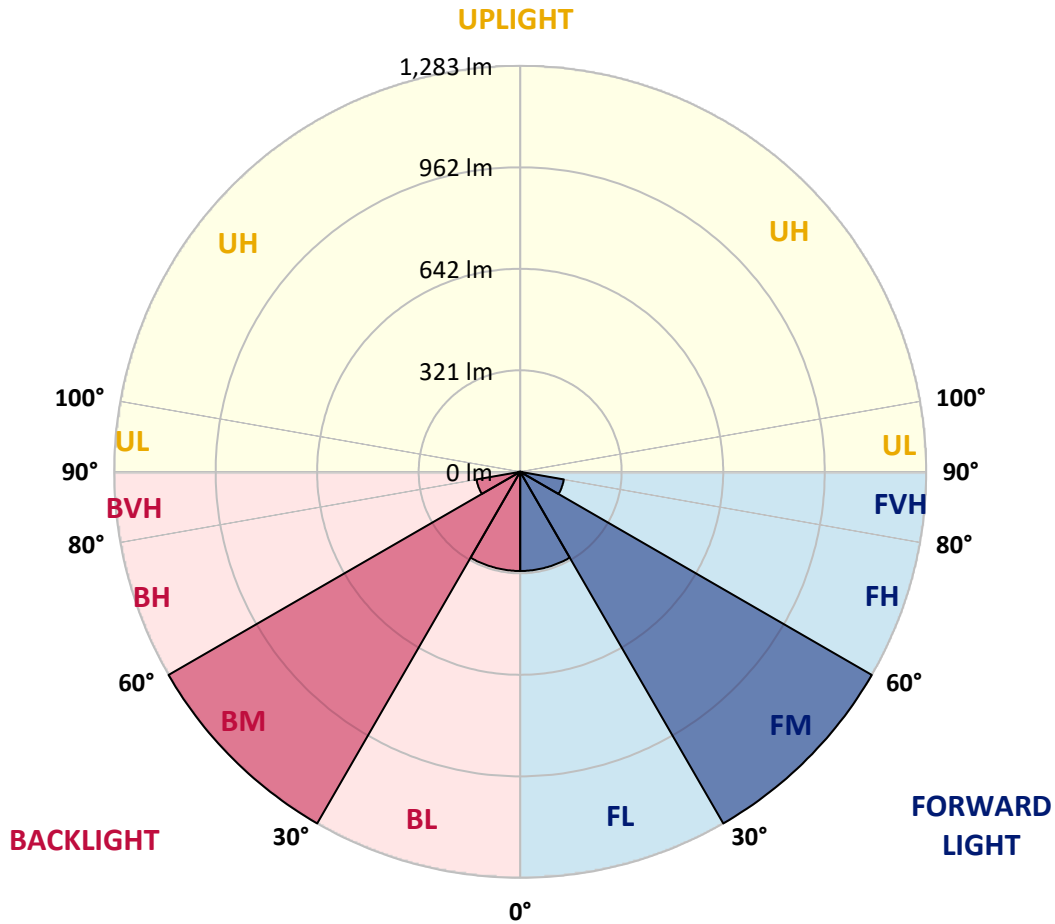
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.3	9.0			
FM (30°-60°)	1283.0	36.8			
FH (60°-80°)	140.1	4.0			G0/660
FVH (80°-90°)	6.6	0.2			G0/10
BL (0°-30°)	313.3	9.0	B1/500		
BM (30°-60°)	1283.0	36.8	B2/2500		
BH (60°-80°)	140.1	4.0	B1/500		G0/660
BVH (80°-90°)	6.6	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	644.1	641.1	636.1	639.9	642.8	636.5	639.0	640.3	639.4	636.1	637.3
5°	653.3	651.7	647.4	650.4	646.6	646.6	644.1	640.7	645.8	644.9	647.0
7.5°	653.3	651.2	659.7	654.2	655.9	655.9	651.7	648.3	650.8	647.0	644.9
10°	666.4	669.3	665.6	666.8	666.0	668.9	662.6	660.5	658.4	657.1	654.6
12.5°	682.0	679.9	681.1	680.3	683.2	675.7	671.9	667.2	671.0	665.6	669.3
15°	694.6	693.4	694.6	698.0	695.0	694.6	687.9	683.2	677.4	678.6	672.7
17.5°	711.9	710.6	711.1	714.0	713.6	711.5	706.4	697.6	695.5	692.1	688.3
20°	737.6	735.5	734.6	735.9	738.0	739.7	729.6	726.2	719.1	713.6	707.3
22.5°	759.5	758.7	762.0	756.5	761.2	766.2	756.5	754.9	737.2	734.2	727.5
25°	789.8	788.6	786.5	794.5	799.9	799.5	790.2	781.0	767.5	764.1	764.1
27.5°	821.8	814.7	825.6	827.7	837.4	840.4	832.4	818.9	806.3	799.1	800.8
30°	861.9	855.1	857.6	872.8	885.4	896.4	876.2	856.4	838.7	826.0	823.9
32.5°	901.9	895.1	902.7	917.5	942.7	959.2	939.4	904.8	884.2	865.6	869.4
35°	934.3	939.4	951.6	973.9	1000.0	1026.6	995.0	968.4	938.9	918.3	921.2
37.5°	986.5	1002.1	1011.8	1037.5	1074.6	1102.0	1069.1	1034.6	1003.0	976.0	966.7
40°	1054.8	1065.3	1076.3	1106.6	1150.4	1177.8	1146.6	1101.5	1070.4	1042.6	1041.3
42.5°	1129.8	1139.9	1151.2	1188.3	1214.4	1235.1	1206.4	1182.4	1147.9	1126.0	1124.7
45°	1217.0	1209.8	1222.4	1246.9	1268.8	1282.3	1263.7	1251.9	1227.1	1206.8	1204.7
47.5°	1275.1	1268.8	1291.5	1313.4	1316.8	1302.0	1305.8	1316.8	1290.7	1257.4	1267.9
50°	1308.8	1308.8	1324.0	1344.2	1337.9	1318.9	1348.8	1349.6	1323.5	1294.0	1294.0
52.5°	1250.2	1263.3	1306.3	1372.4	1393.5	1398.9	1392.2	1363.5	1295.3	1235.1	1232.1
55°	1089.3	1086.4	1144.5	1296.2	1418.7	1483.6	1397.7	1265.8	1127.2	1059.4	1052.7
57.5°	708.5	711.9	798.7	953.3	1174.4	1295.3	1150.4	965.1	798.7	705.2	714.0
60°	318.9	330.3	382.9	498.3	688.3	786.9	690.0	523.6	401.9	348.8	353.4
62.5°	183.2	185.3	187.5	222.4	293.2	346.7	304.6	235.1	207.2	198.0	198.0
65°	154.6	153.3	153.8	156.7	164.3	175.2	170.6	164.3	165.1	164.3	163.0
67.5°	131.4	133.1	131.8	134.0	134.4	136.1	139.0	141.5	142.0	142.8	142.0
70°	107.8	108.3	109.1	110.8	111.2	112.5	116.7	118.8	120.1	120.1	121.7
72.5°	82.6	82.1	83.0	84.7	86.8	87.2	91.0	93.9	95.6	93.5	93.9
75°	54.3	54.8	56.0	57.3	60.2	63.2	64.4	67.4	67.8	68.7	66.6
77.5°	32.4	33.3	34.5	37.1	39.6	42.1	45.1	47.2	48.0	47.2	44.7
80°	21.1	21.1	22.7	24.9	27.8	29.9	31.6	33.3	34.5	33.3	32.4
82.5°	13.1	13.1	15.2	17.7	19.8	21.1	23.6	25.7	27.0	26.1	24.9
85°	6.7	7.2	8.8	11.0	12.6	13.5	13.1	11.8	10.5	10.1	9.3
87.5°	2.1	2.1	2.5	2.5	2.1	2.1	2.5	2.1	2.5	2.5	2.5
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)