

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: P450220

Luminaire Tested: **GLAN-SA1A-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4398 lumens
Efficiency: N/A
Efficacy: 133.3 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

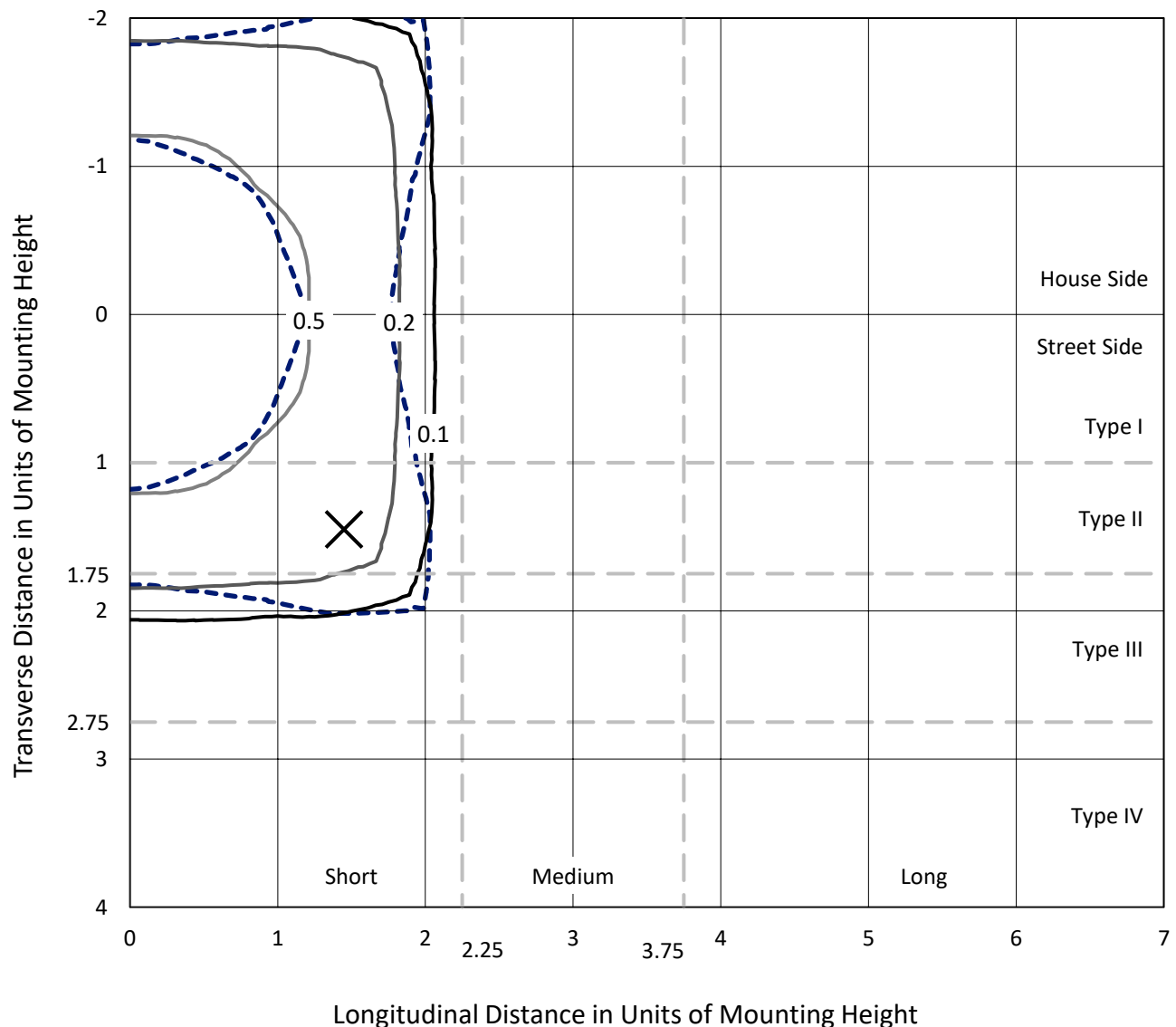


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

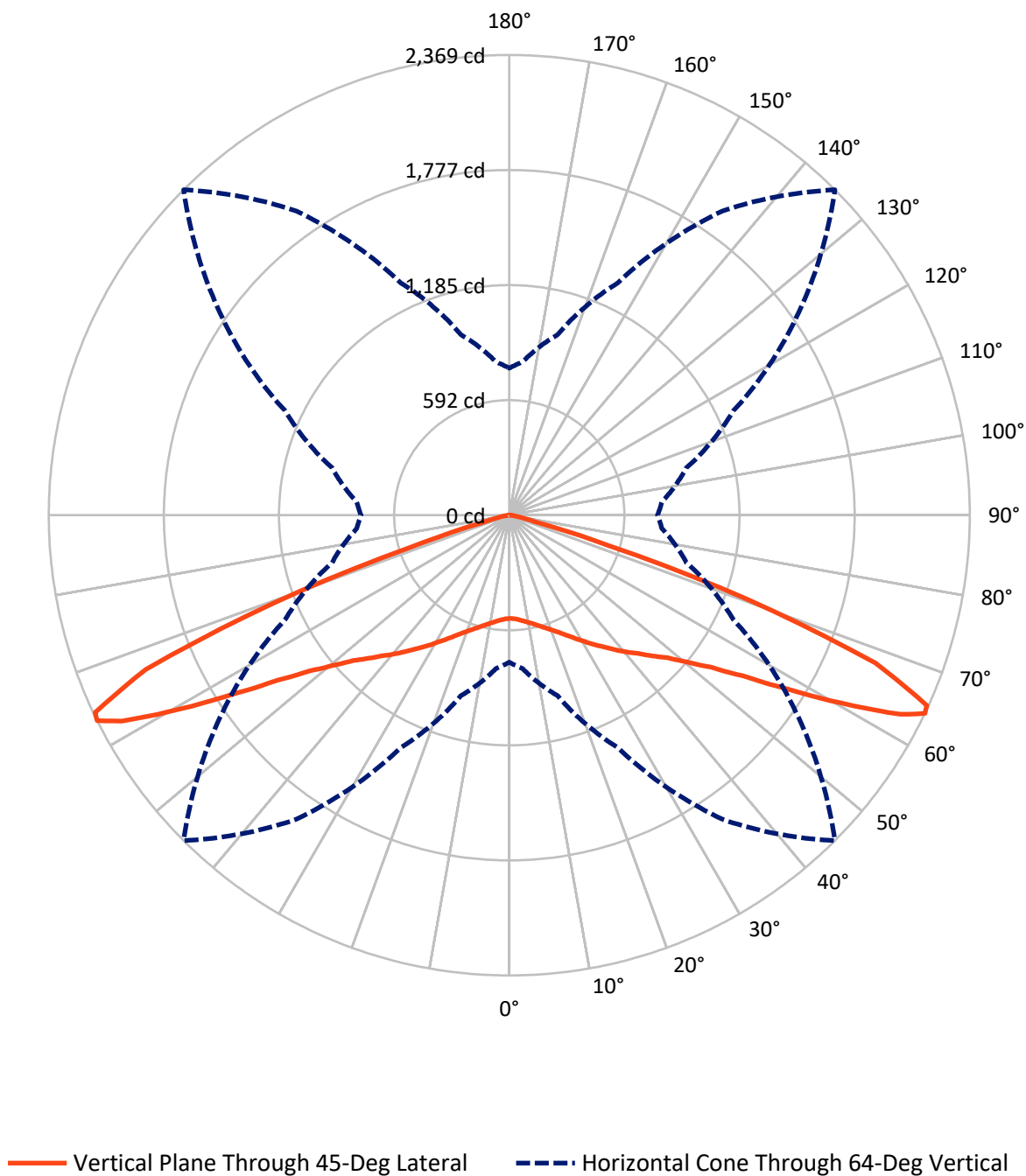


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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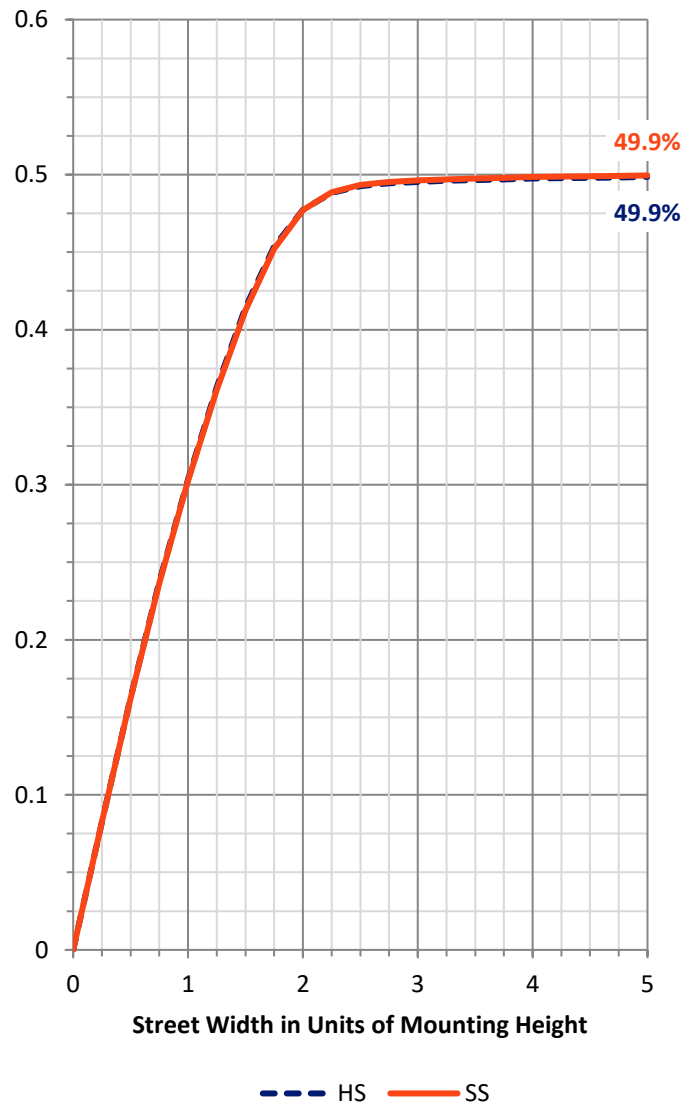
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2199.0	0.0	2199.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2199.0	0.0	2199.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4398.0	0.0	4398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.2
10°-20°	168.5	3.8
20°-30°	318.3	7.2
30°-40°	527.2	12.0
40°-50°	823.0	18.7
50°-60°	1272.4	28.9
60°-70°	1097.2	24.9
70°-80°	124.3	2.8
80°-90°	14.9	0.3
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°	4398.0	100.0
0°-180°	4398.0	100.0

Coefficient of Utilization



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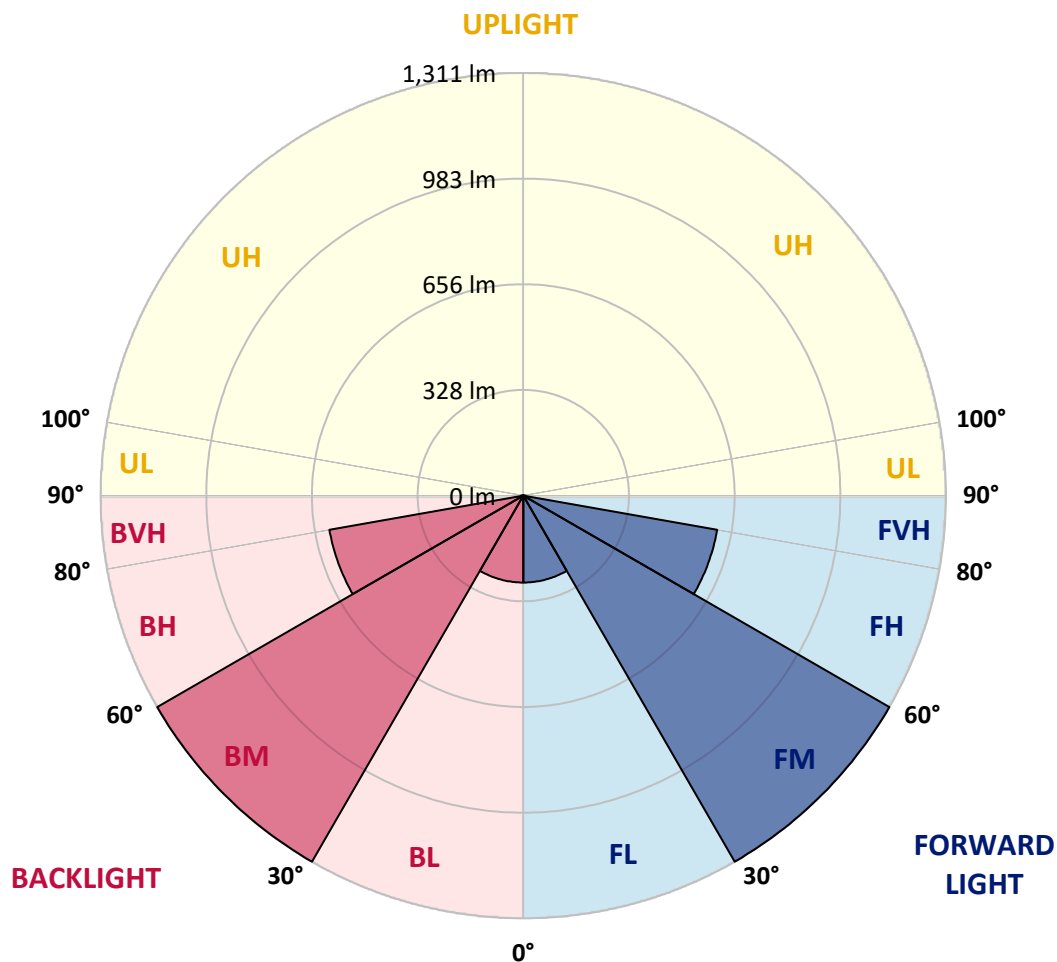
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.5	6.1			
FM	(30°-60°)	1311.3	29.8			
FH	(60°-80°)	610.7	13.9			G0/660
FVH	(80°-90°)	7.5	0.2			G0/10
BL	(0°-30°)	269.5	6.1	B1/500		
BM	(30°-60°)	1311.3	29.8	B2/2500		
BH	(60°-80°)	610.7	13.9	B2/1000		G0/660
BVH	(80°-90°)	7.5	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°	531.6	531.6	531.6	531.6	531.6	531.6	531.6	531.6	531.6	531.6	531.6
2.5°	533.7	534.8	533.9	533.7	533.4	533.4	533.4	533.7	534.6	535.3	534.8
5°	540.4	541.4	540.9	540.7	540.4	540.7	540.2	540.0	540.7	540.7	540.4
7.5°	548.8	550.0	549.5	550.0	550.2	550.4	549.3	548.3	548.1	548.8	548.3
10°	560.2	561.2	561.4	561.6	562.1	561.9	560.5	558.8	558.6	558.4	558.1
12.5°	573.0	573.7	574.0	574.9	575.6	575.8	574.2	572.8	570.5	570.9	570.0
15°	587.5	588.9	588.6	590.0	591.9	592.4	590.7	588.4	586.3	585.1	584.4
17.5°	605.2	606.1	605.6	607.0	609.4	610.5	609.1	606.1	604.0	601.5	600.1
20°	626.1	627.8	628.2	628.2	630.3	631.5	629.4	628.5	625.2	623.4	622.2
22.5°	649.9	650.6	652.0	653.4	655.5	655.0	654.3	652.9	649.9	648.3	646.4
25°	676.7	677.4	680.9	683.9	684.6	684.1	683.2	682.5	679.7	676.0	674.6
27.5°	707.9	709.3	714.0	716.8	716.8	717.0	715.1	717.5	711.4	707.0	706.5
30°	747.0	748.0	751.9	754.7	753.3	752.2	751.7	754.0	747.5	739.6	737.7
32.5°	785.7	789.0	792.5	798.5	793.6	791.5	791.1	792.7	785.2	776.4	773.8
35°	827.2	829.5	836.0	841.2	836.7	831.8	833.9	839.1	830.2	818.3	817.9
37.5°	873.1	875.2	883.5	888.9	885.6	877.3	880.8	886.8	878.0	863.3	860.3
40°	920.8	925.2	935.7	941.3	936.0	924.8	931.3	937.8	929.9	912.9	906.1
42.5°	974.4	981.4	996.5	999.3	989.1	973.9	985.3	995.8	990.2	970.7	968.1
45°	1037.1	1041.2	1059.9	1065.9	1051.7	1032.9	1047.1	1066.2	1062.0	1039.4	1034.5
47.5°	1107.2	1111.1	1130.5	1139.5	1121.6	1096.2	1121.8	1146.8	1144.2	1120.0	1117.7
50°	1190.1	1191.0	1217.8	1228.1	1210.1	1188.2	1211.1	1242.0	1231.8	1200.8	1200.3
52.5°	1280.9	1282.1	1315.9	1335.7	1325.7	1301.0	1328.0	1346.9	1320.8	1280.2	1277.2
55°	1359.7	1365.5	1411.6	1464.3	1478.0	1460.1	1468.2	1459.4	1395.1	1338.2	1329.4
57.5°	1391.8	1403.2	1473.4	1571.7	1661.1	1687.7	1624.8	1540.4	1424.7	1344.3	1335.7
60°	1313.3	1325.7	1434.5	1621.0	1849.3	1964.6	1787.8	1554.2	1357.3	1244.4	1230.9
62.5°	1051.7	1055.2	1215.3	1504.8	1959.0	2257.7	1856.5	1437.0	1161.4	1007.9	1002.6
64°	756.8	792.7	962.3	1319.4	1911.1	2369.2	1816.9	1272.8	943.4	788.0	762.9
65°	566.0	575.8	775.7	1126.7	1826.5	2360.9	1740.1	1115.8	781.3	603.1	575.1
67.5°	213.8	215.0	286.3	561.6	1300.3	2031.2	1328.0	607.0	329.1	238.1	229.4
70°	88.8	90.4	105.1	188.9	558.8	1304.2	640.4	219.0	120.4	97.6	96.2
72.5°	65.0	65.9	70.3	83.9	171.9	535.5	210.6	92.9	70.6	63.1	62.4
75°	51.0	51.5	54.7	61.7	80.1	148.4	87.6	63.8	53.8	48.5	48.0
77.5°	38.9	40.1	42.4	47.1	53.8	70.3	58.0	47.8	41.5	37.0	36.3
80°	26.8	28.2	32.6	34.5	36.1	45.7	39.6	36.1	32.4	27.0	25.4
82.5°	16.5	17.5	21.9	23.5	22.8	25.6	25.4	25.9	23.1	16.8	15.6
85°	8.6	9.1	11.9	12.3	11.4	10.5	13.0	15.1	14.2	9.6	9.3
87.5°	1.9	2.1	2.6	2.3	2.6	2.6	3.3	4.9	5.1	3.3	3.0
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)