

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: P317265

Luminaire Tested: **GAN-SA1A-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317265
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-SA1A-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3963 lumens
Efficiency: N/A
Efficacy: 116.6 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

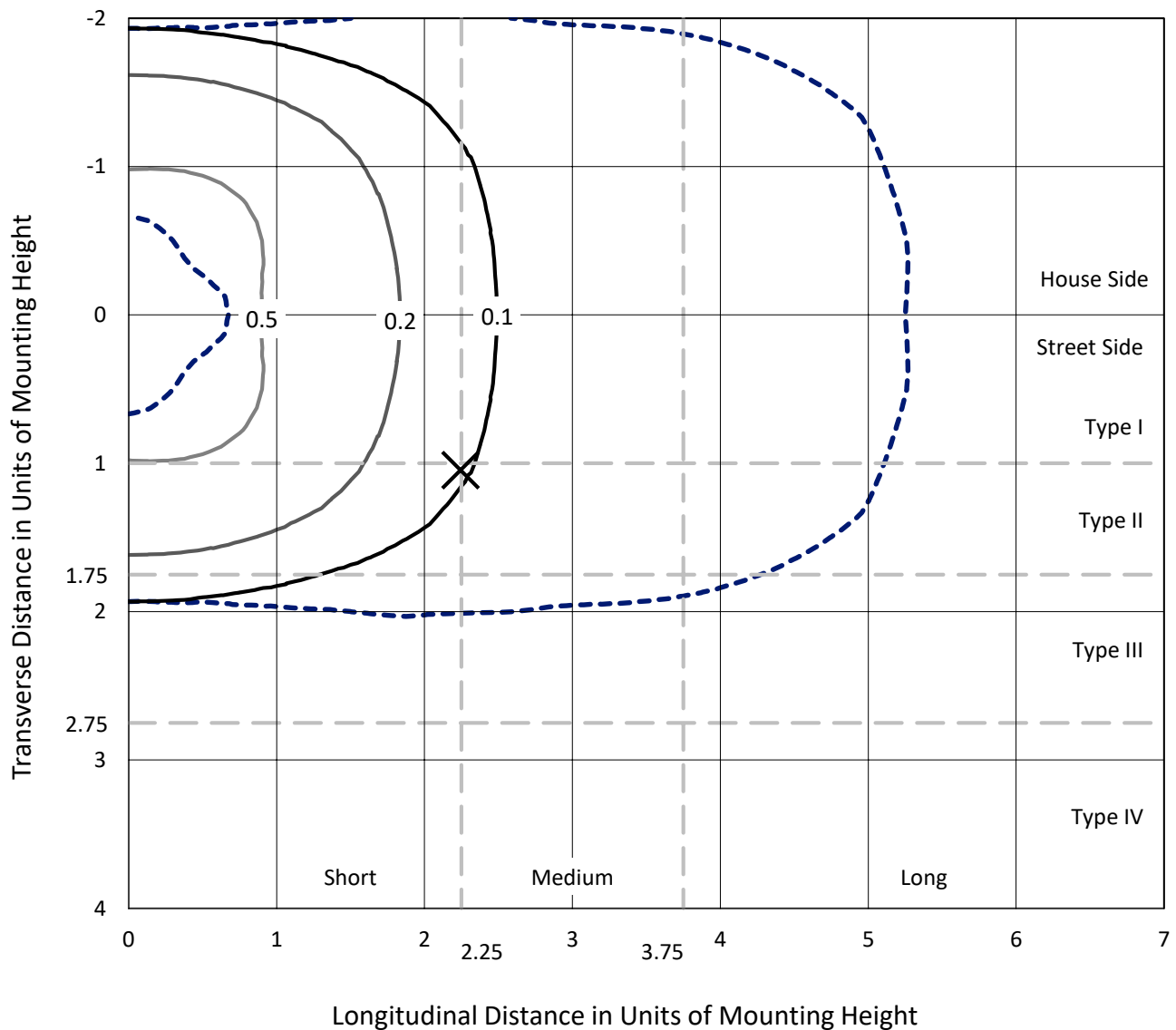
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

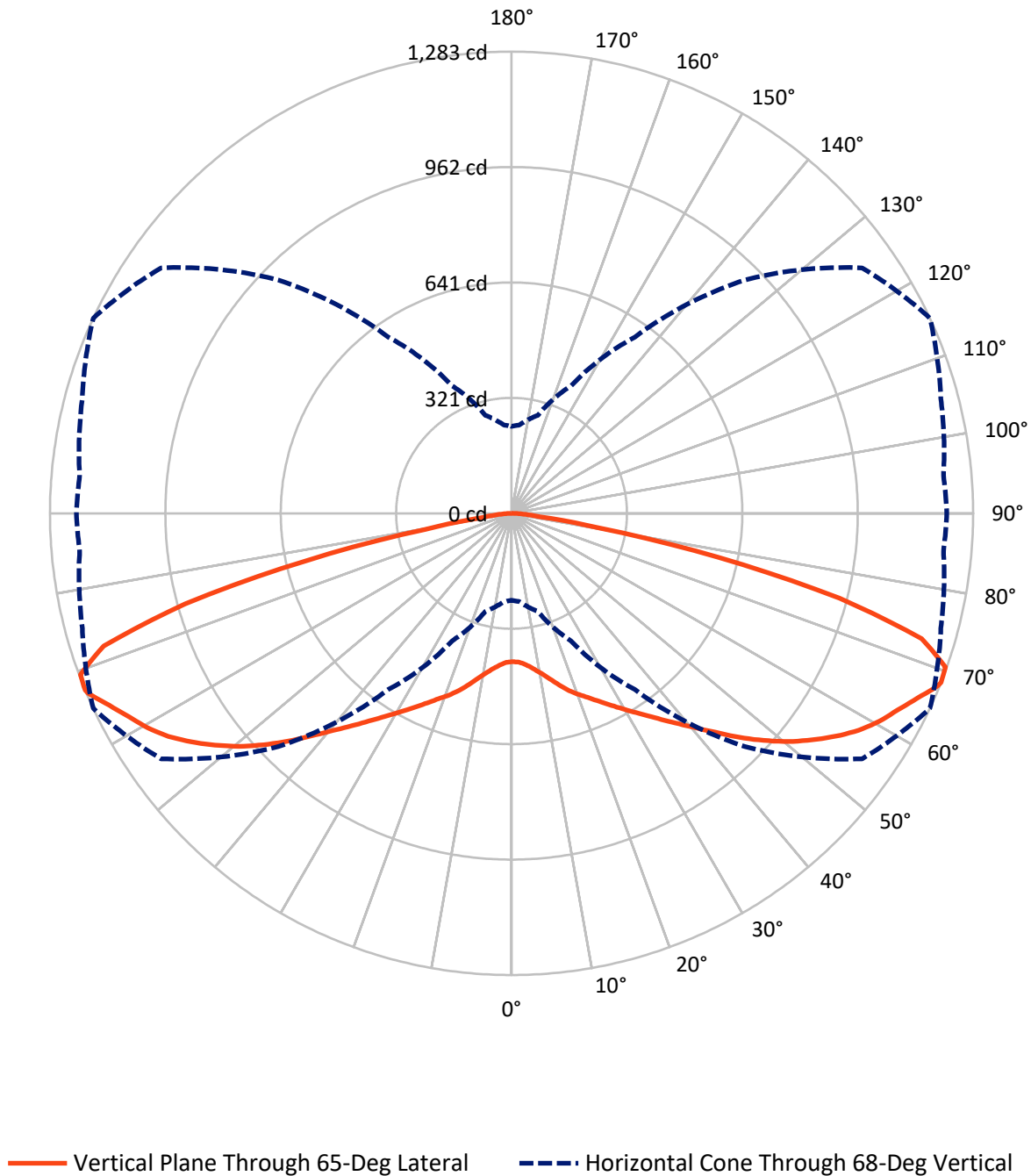
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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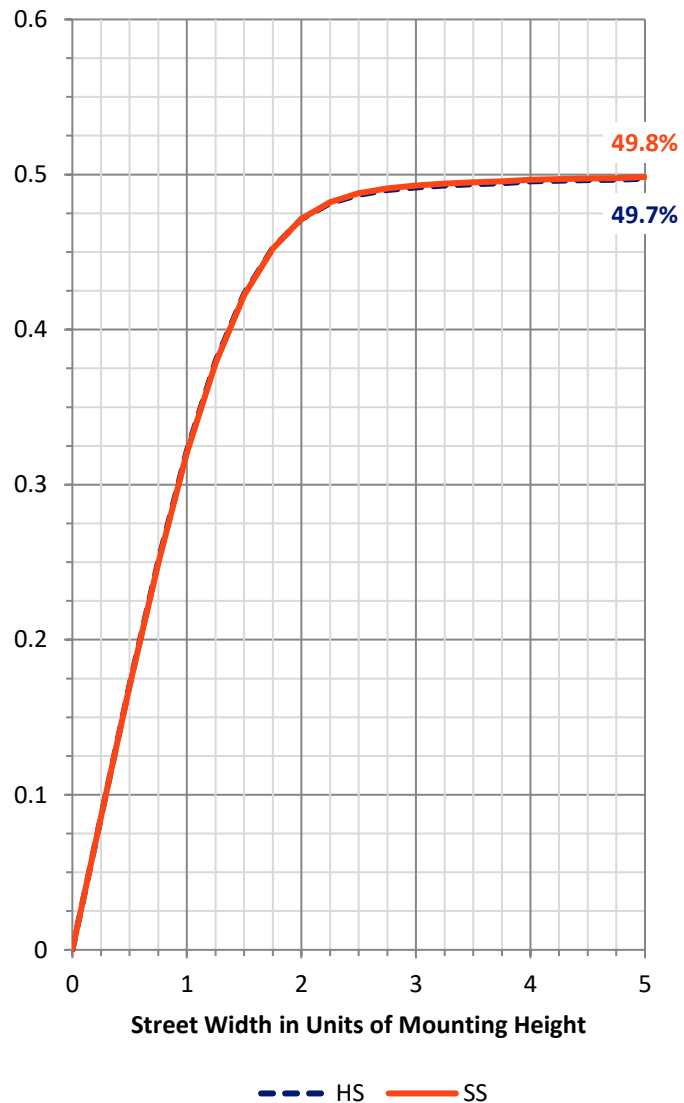
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1981.5	0.0	1981.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1981.5	0.0	1981.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3963.0	0.0	3963.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	1.0
10°-20°	135.1	3.4
20°-30°	263.4	6.6
30°-40°	442.5	11.2
40°-50°	697.2	17.6
50°-60°	932.3	23.5
60°-70°	906.4	22.9
70°-80°	495.5	12.5
80°-90°	50.4	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°	3963.0	100.0
0°-180°	3963.0	100.0

Coefficient of Utilization



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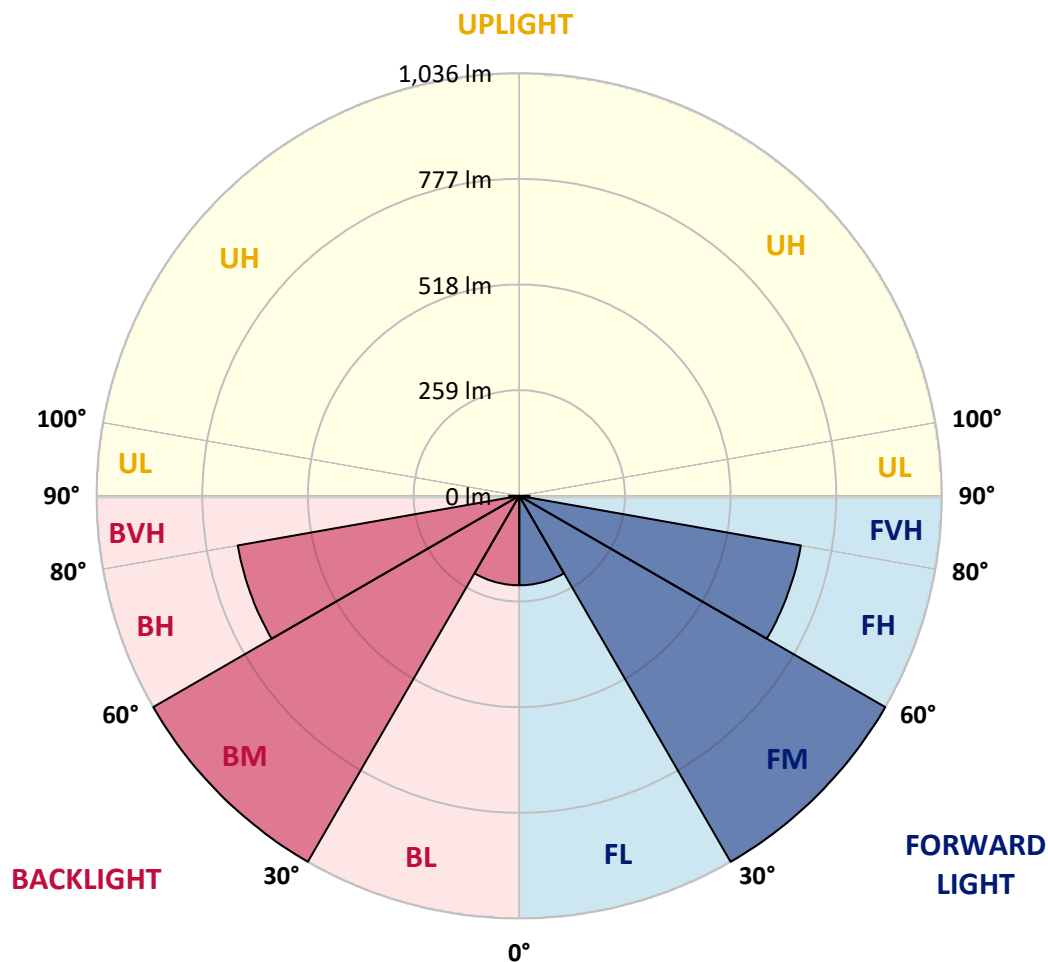
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.4	5.5			
FM	(30°-60°)	1036.0	26.1			
FH	(60°-80°)	700.9	17.7			G1/1800
FVH	(80°-90°)	25.2	0.6			G1/100
BL	(0°-30°)	219.4	5.5	B1/500		
BM	(30°-60°)	1036.0	26.1	B2/2500		
BH	(60°-80°)	700.9	17.7	B2/1000		G2/1000
BVH	(80°-90°)	25.2	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°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	409.1	409.3	409.9	410.7	411.4	413.1	413.5	414.2	414.5	415.1	415.1
5°	405.5	405.8	407.4	409.5	411.9	416.2	419.2	422.7	424.4	426.3	426.1
7.5°	405.1	405.8	408.1	411.5	415.5	422.6	428.9	435.8	440.5	444.7	444.5
10°	409.3	410.3	413.5	418.7	424.7	433.5	442.9	452.2	460.3	466.8	467.1
12.5°	415.5	416.8	421.9	429.7	438.8	450.1	461.2	471.7	482.9	492.6	493.4
15°	423.8	425.5	433.1	444.7	458.6	472.0	483.9	494.7	507.6	521.0	522.3
17.5°	436.0	438.4	448.3	464.1	482.4	497.1	509.6	517.7	528.5	542.3	544.8
20°	454.6	457.6	470.3	489.1	511.3	526.7	536.3	538.0	543.3	555.7	558.6
22.5°	478.8	481.4	495.5	518.0	542.8	559.6	564.6	557.7	557.2	567.1	569.9
25°	505.7	508.1	524.5	549.7	576.4	594.9	594.8	581.3	572.0	579.8	582.7
27.5°	536.0	539.8	555.4	582.0	610.6	628.8	627.7	607.0	589.3	591.3	593.8
30°	570.8	575.0	590.2	617.2	645.8	663.6	662.3	634.9	608.3	603.0	604.9
32.5°	614.0	619.0	633.4	660.0	685.3	701.3	697.5	665.2	631.2	619.6	621.3
35°	666.0	668.9	684.2	710.4	730.8	741.9	733.8	700.3	660.1	646.2	646.2
37.5°	718.6	720.9	738.0	763.4	783.2	789.0	773.2	738.7	698.0	678.2	678.6
40°	769.1	775.2	794.5	820.5	840.1	841.7	820.7	782.5	740.1	719.7	722.1
42.5°	821.9	827.8	850.8	880.3	897.6	900.3	875.7	831.7	787.7	771.1	773.8
45°	868.9	873.7	900.3	934.5	956.1	963.0	933.9	888.0	839.1	822.9	823.6
47.5°	901.7	908.0	937.2	977.6	1009.0	1019.6	991.0	942.9	889.8	870.1	871.8
50°	931.5	934.8	964.4	1008.6	1048.4	1070.3	1045.9	997.1	940.9	920.1	921.9
52.5°	948.1	952.3	981.0	1027.0	1074.2	1109.5	1094.7	1045.9	990.3	970.0	972.3
55°	936.5	939.7	974.1	1031.1	1090.1	1133.7	1136.0	1093.6	1038.9	1021.0	1027.4
57.5°	883.9	887.9	929.9	1004.6	1092.1	1150.1	1167.1	1137.8	1084.2	1069.7	1073.4
60°	801.7	804.2	849.0	932.9	1053.3	1156.8	1186.9	1174.0	1128.5	1114.1	1119.1
62.5°	655.1	658.8	712.4	824.9	971.3	1136.8	1206.0	1203.9	1169.9	1156.6	1161.1
65°	447.8	454.3	513.6	655.9	845.0	1075.4	1223.4	1238.7	1206.4	1189.7	1195.6
67.5°	270.4	275.2	318.1	433.1	646.6	951.5	1205.5	1278.3	1232.2	1205.2	1210.1
68°	241.7	246.1	282.0	390.8	598.1	916.6	1189.1	1282.8	1235.0	1204.9	1209.3
70°	146.0	149.0	173.0	241.6	398.8	727.1	1077.7	1279.1	1252.8	1208.7	1211.2
72.5°	95.1	96.1	100.1	124.0	203.7	406.6	808.8	1191.9	1279.5	1230.3	1229.9
75°	79.1	78.5	78.9	81.7	100.5	178.3	472.7	941.6	1219.7	1196.2	1187.8
77.5°	66.8	66.4	66.3	66.4	67.2	86.1	205.2	586.5	933.3	1058.1	1065.6
80°	54.1	53.6	55.3	54.5	52.1	53.6	86.0	244.0	440.0	473.3	443.6
82.5°	39.3	37.3	44.8	42.7	40.7	37.7	47.4	78.8	105.0	72.0	50.6
85°	30.3	28.2	34.0	32.7	27.9	19.3	28.2	38.5	42.5	24.3	19.1
87.5°	12.4	13.0	24.6	19.4	16.3	9.3	11.6	15.4	20.7	10.4	8.0
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)