

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: P317275

Luminaire Tested: **GAN-SA1B-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317275
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-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4860 lumens
Efficiency: N/A
Efficacy: 110.5 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

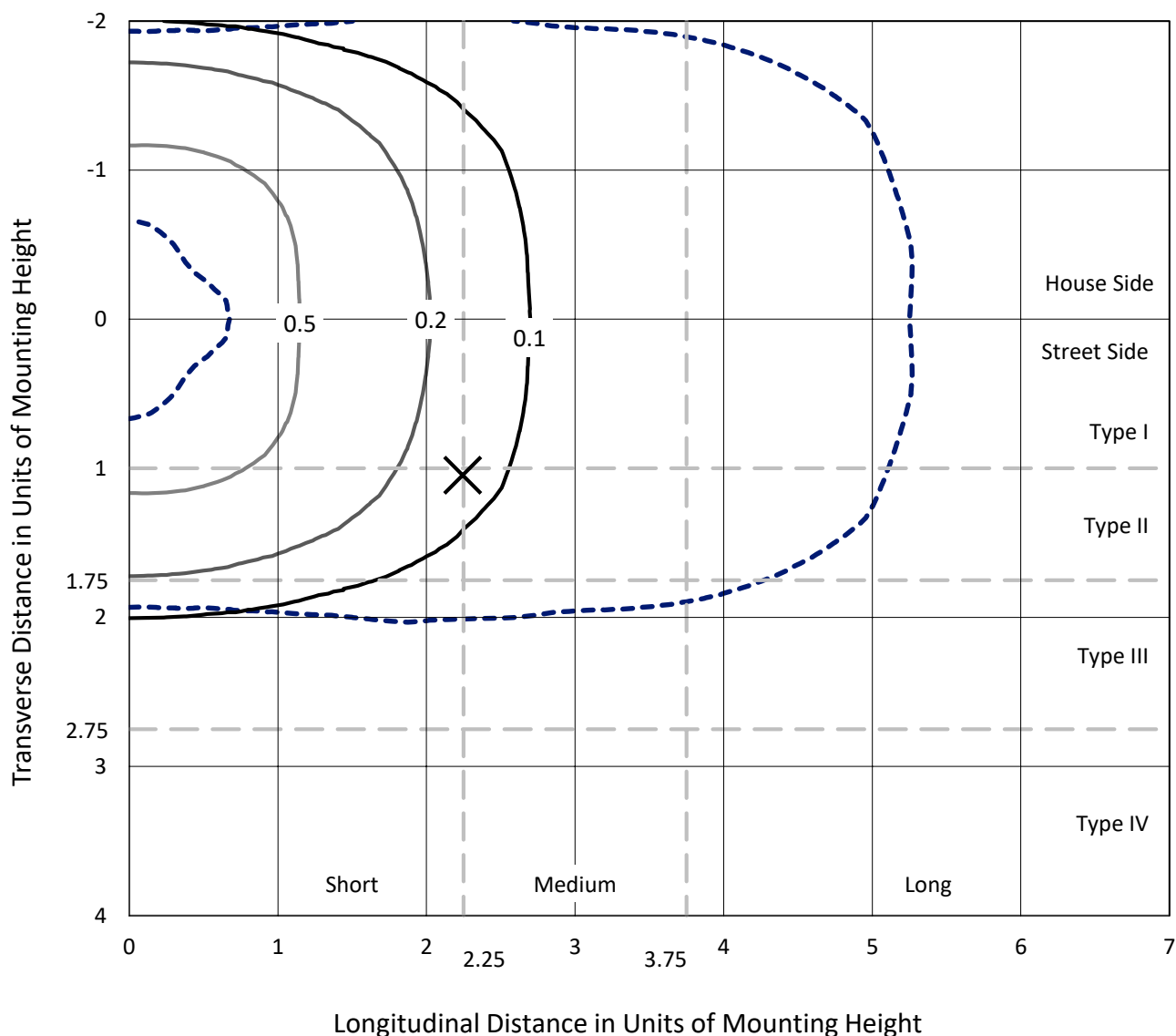
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317275
 CATALOG NUMBER: GAN-SA1B-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

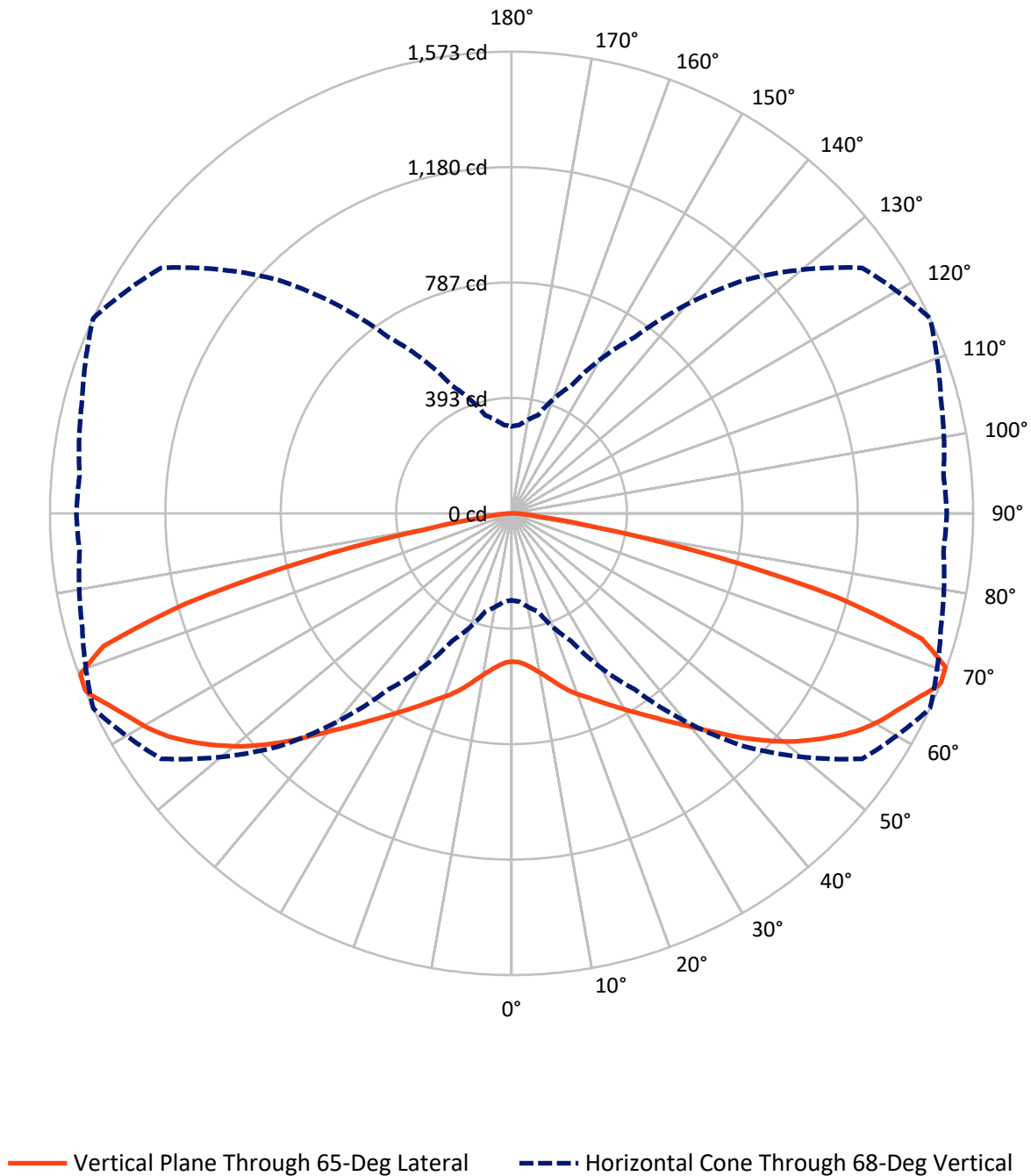
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P317275
CATALOG NUMBER: GAN-SA1B-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317275

CATALOG NUMBER: GAN-SA1B-830-U-RW

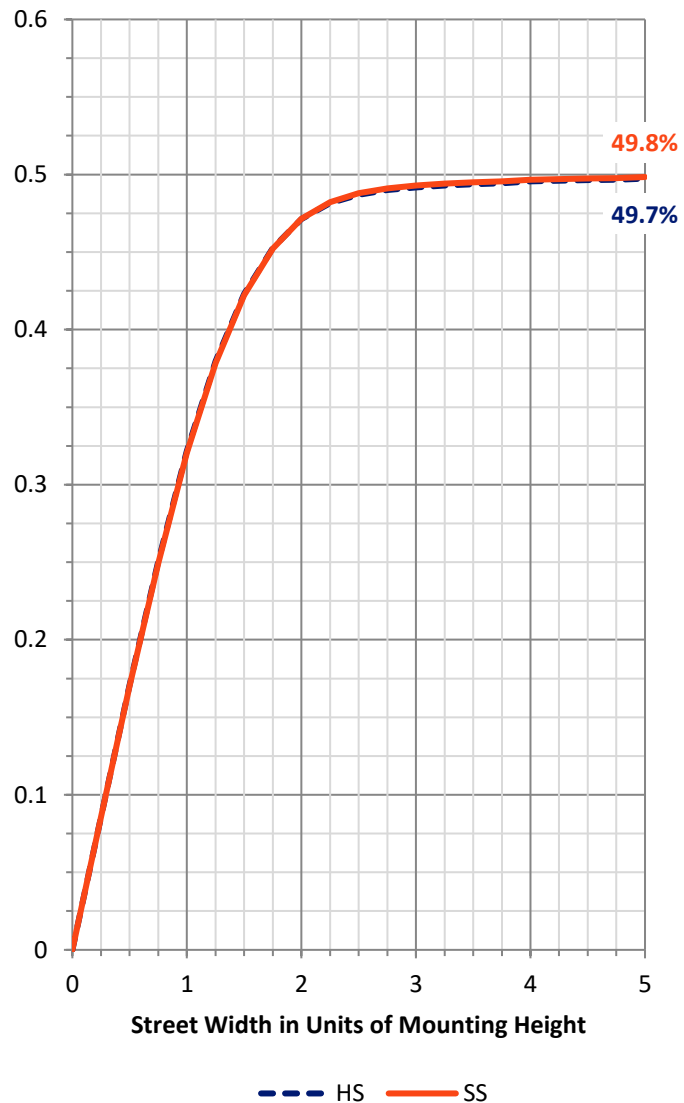
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2430.0	0.0	2430.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2430.0	0.0	2430.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4860.0	0.0	4860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	1.0
10°-20°	165.7	3.4
20°-30°	323.0	6.6
30°-40°	542.6	11.2
40°-50°	855.0	17.6
50°-60°	1143.4	23.5
60°-70°	1111.5	22.9
70°-80°	607.6	12.5
80°-90°	61.8	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°	4860.0	100.0
0°-180°	4860.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317275

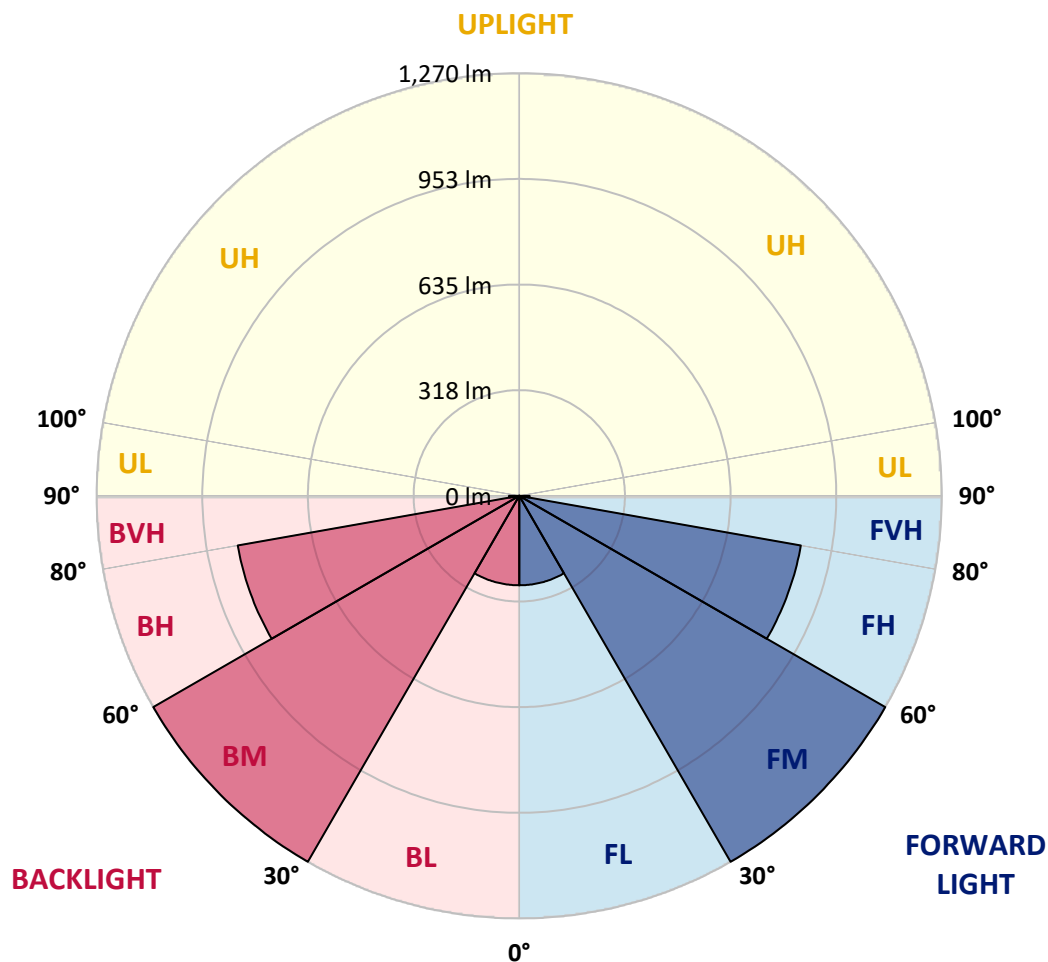
CATALOG NUMBER: GAN-SA1B-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.1	5.5			
FM	(30°-60°)	1270.5	26.1			
FH	(60°-80°)	859.6	17.7			G1/1800
FVH	(80°-90°)	30.9	0.6			G1/100
BL	(0°-30°)	269.1	5.5	B1/500		
BM	(30°-60°)	1270.5	26.1	B2/2500		
BH	(60°-80°)	859.6	17.7	B2/1000		G2/1000
BVH	(80°-90°)	30.9	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





REPORT NUMBER: P317275

CATALOG NUMBER: GAN-SA1B-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	501.7	501.9	502.7	503.7	504.5	506.6	507.1	507.9	508.3	509.1	509.1
5°	497.3	497.7	499.6	502.2	505.2	510.4	514.1	518.4	520.5	522.8	522.6
7.5°	496.9	497.7	500.4	504.7	509.6	518.2	526.0	534.5	540.2	545.4	545.1
10°	501.9	503.2	507.1	513.5	520.8	531.6	543.1	554.5	564.5	572.5	572.8
12.5°	509.6	511.2	517.4	527.0	538.1	551.9	565.6	578.5	592.2	604.1	605.1
15°	519.7	521.8	531.1	545.4	562.4	578.8	593.5	606.7	622.5	638.9	640.6
17.5°	534.7	537.6	549.8	569.2	591.5	609.6	624.9	634.9	648.1	665.0	668.1
20°	557.5	561.2	576.7	599.8	627.1	646.0	657.7	659.8	666.3	681.5	685.1
22.5°	587.1	590.4	607.7	635.2	665.7	686.2	692.4	683.9	683.3	695.5	698.9
25°	620.2	623.1	643.2	674.1	706.9	729.6	729.4	712.9	701.5	711.0	714.6
27.5°	657.4	661.9	681.2	713.7	748.8	771.1	769.8	744.4	722.7	725.2	728.2
30°	700.1	705.1	723.8	756.9	792.0	813.8	812.2	778.6	746.0	739.5	741.8
32.5°	753.0	759.0	776.8	809.4	840.4	860.1	855.4	815.8	774.0	759.9	762.0
35°	816.7	820.3	839.1	871.2	896.3	909.8	899.8	858.8	809.6	792.5	792.5
37.5°	881.3	884.0	905.1	936.2	960.5	967.6	948.2	905.9	856.0	831.7	832.2
40°	943.2	950.7	974.3	1006.3	1030.2	1032.2	1006.4	959.6	907.7	882.6	885.5
42.5°	1007.9	1015.2	1043.4	1079.6	1100.8	1104.0	1073.9	1019.9	966.0	945.6	948.9
45°	1065.6	1071.4	1104.0	1146.1	1172.5	1180.9	1145.3	1089.0	1029.1	1009.2	1010.0
47.5°	1105.8	1113.5	1149.3	1198.9	1237.3	1250.4	1215.3	1156.3	1091.2	1067.0	1069.2
50°	1142.3	1146.4	1182.7	1236.8	1285.7	1312.6	1282.6	1222.8	1153.9	1128.3	1130.6
52.5°	1162.7	1167.9	1203.1	1259.5	1317.3	1360.7	1342.4	1282.6	1214.5	1189.6	1192.3
55°	1148.5	1152.4	1194.6	1264.5	1336.9	1390.3	1393.1	1341.1	1274.0	1252.2	1260.0
57.5°	1084.0	1088.9	1140.4	1231.9	1339.3	1410.4	1431.2	1395.4	1329.6	1311.8	1316.4
60°	983.1	986.2	1041.1	1144.1	1291.7	1418.7	1455.5	1439.7	1384.0	1366.2	1372.4
62.5°	803.4	807.9	873.6	1011.6	1191.2	1394.1	1479.0	1476.4	1434.7	1418.4	1423.9
65°	549.2	557.1	629.8	804.3	1036.2	1318.8	1500.3	1519.1	1479.5	1458.9	1466.3
67.5°	331.6	337.5	390.1	531.1	792.9	1166.9	1478.3	1567.6	1511.1	1478.0	1484.0
68°	296.4	301.8	345.8	479.3	733.5	1124.1	1458.3	1573.2	1514.5	1477.7	1483.1
70°	179.1	182.7	212.2	296.3	489.0	891.7	1321.6	1568.6	1536.3	1482.2	1485.3
72.5°	116.7	117.8	122.7	152.0	249.8	498.6	991.9	1461.7	1569.1	1508.8	1508.3
75°	97.0	96.3	96.8	100.2	123.2	218.7	579.6	1154.7	1495.8	1466.9	1456.7
77.5°	82.0	81.5	81.3	81.5	82.5	105.6	251.6	719.3	1144.6	1297.6	1306.7
80°	66.3	65.7	67.8	66.8	63.9	65.7	105.4	299.2	539.5	580.4	543.9
82.5°	48.2	45.8	54.9	52.3	49.9	46.3	58.2	96.6	128.7	88.3	62.1
85°	37.2	34.5	41.7	40.1	34.2	23.6	34.5	47.3	52.1	29.8	23.5
87.5°	15.2	16.0	30.1	23.8	20.0	11.4	14.2	18.9	25.4	12.7	9.8
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)