

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: P649184

Luminaire Tested: **GLAN-SA1D-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3197 lumens
Efficiency: N/A
Efficacy: 49.2 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

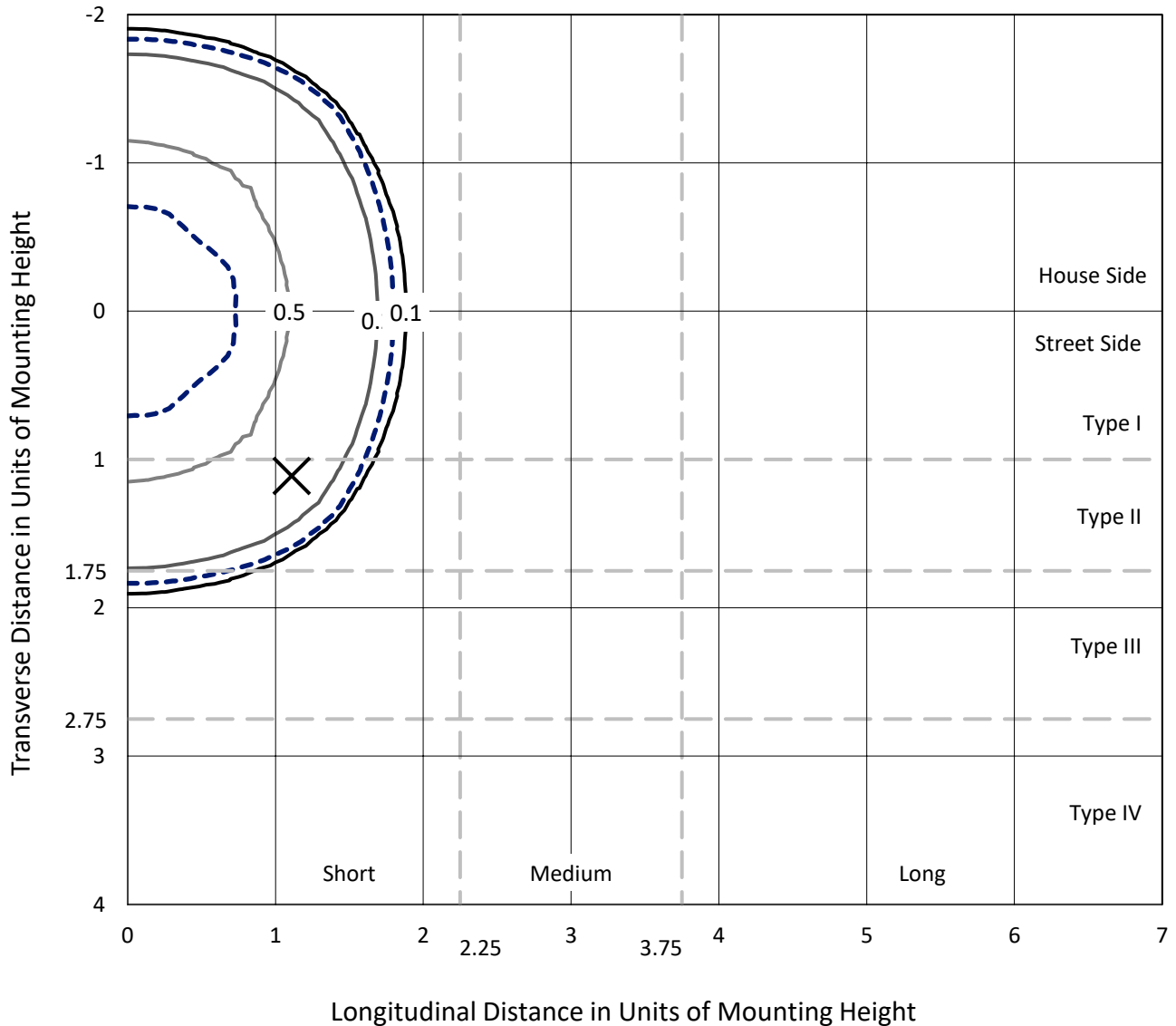
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

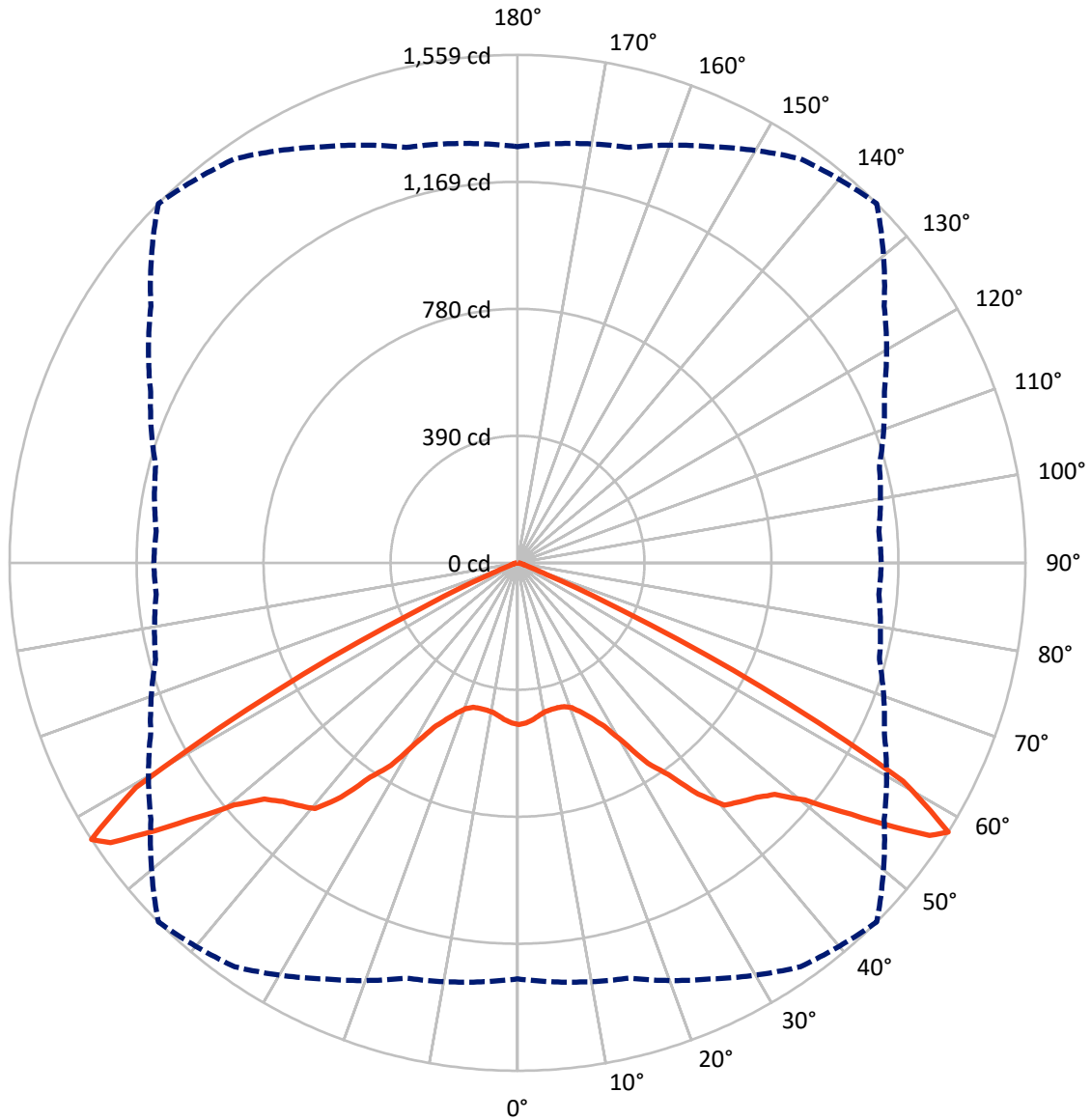
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1598.5	0.0	1598.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1598.5	0.0	1598.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3197.0	0.0	3197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.4
10°-20°	131.7	4.1
20°-30°	243.1	7.6
30°-40°	478.1	15.0
40°-50°	778.8	24.4
50°-60°	1110.6	34.7
60°-70°	384.5	12.0
70°-80°	20.6	0.6
80°-90°	3.9	0.1
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°	3197.0	100.0
0°-180°	3197.0	100.0

Coefficient of Utilization

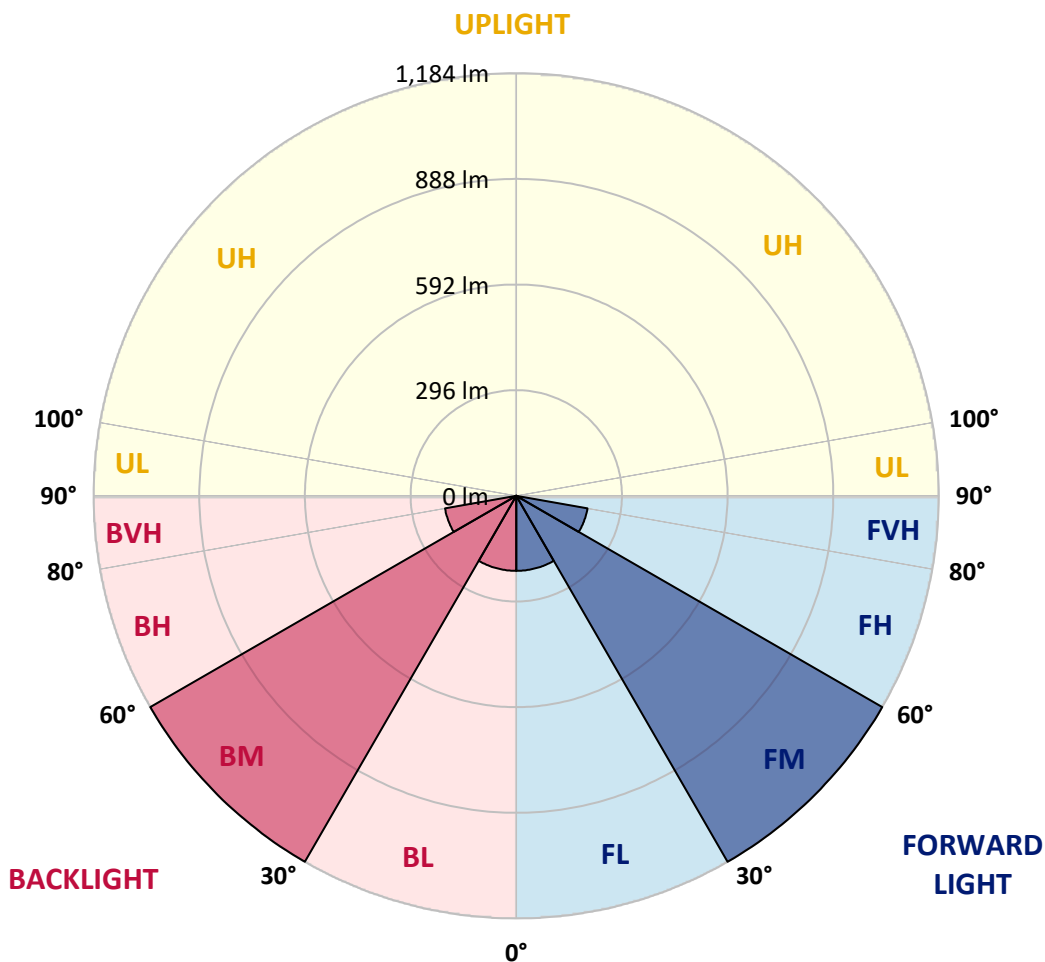


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.2	6.6			
FM (30°-60°)	1183.8	37.0			
FH (60°-80°)	202.6	6.3			G0/660
FVH (80°-90°)	1.9	0.1			G0/10
BL (0°-30°)	210.2	6.6	B1/500		
BM (30°-60°)	1183.8	37.0	B2/2500		
BH (60°-80°)	202.6	6.3	B1/500		G0/660
BVH (80°-90°)	1.9	0.1			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°	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9	495.9
2.5°	494.5	497.2	493.9	492.6	491.9	491.9	489.9	489.9	489.2	489.9	487.3
5°	486.6	489.2	489.2	488.6	484.5	483.9	481.9	480.5	481.2	478.6	480.5
7.5°	478.6	480.5	477.9	477.2	475.9	473.2	472.5	466.6	467.2	467.2	468.5
10°	477.2	476.5	472.5	469.3	465.3	464.6	462.6	461.3	461.3	460.6	462.6
12.5°	477.2	473.9	473.2	465.9	459.2	461.9	456.6	453.2	457.9	459.2	461.9
15°	476.5	479.9	468.5	465.3	460.6	461.3	456.6	453.2	455.9	457.2	459.2
17.5°	480.5	478.6	475.2	468.5	466.6	463.9	457.9	455.2	455.2	458.5	459.2
20°	491.3	485.9	479.2	475.9	477.9	474.6	467.2	457.2	459.9	462.6	464.6
22.5°	501.2	497.2	492.6	490.5	501.9	496.6	483.9	472.5	468.5	473.2	476.5
25°	520.5	520.5	511.8	514.6	527.2	527.9	513.2	493.2	490.5	492.6	493.9
27.5°	559.8	561.9	554.5	557.2	562.5	567.2	554.5	537.8	531.9	531.2	533.2
30°	602.5	606.5	605.9	617.2	632.5	635.2	616.5	589.2	571.2	567.8	570.6
32.5°	658.5	660.5	659.2	672.5	713.9	733.2	684.5	645.8	621.9	627.9	621.9
35°	763.8	761.9	747.1	749.8	783.8	797.8	751.1	726.5	715.2	727.2	724.5
37.5°	854.5	847.1	835.1	852.5	887.8	900.4	851.8	808.4	787.9	807.8	816.5
40°	931.1	912.4	895.8	913.1	960.4	977.8	906.5	871.2	863.1	877.8	896.5
42.5°	995.7	983.8	961.8	963.1	994.4	1002.5	945.1	924.5	916.4	939.8	949.2
45°	1041.8	1030.4	1009.8	1008.4	1032.5	1027.1	975.8	961.8	966.5	981.8	986.4
47.5°	1065.1	1071.1	1059.1	1062.5	1075.1	1062.5	1021.7	1021.7	1011.1	1020.4	1015.8
50°	1132.4	1113.7	1129.1	1129.1	1142.4	1143.7	1103.1	1088.4	1059.8	1043.7	1043.7
52.5°	1211.1	1212.4	1218.4	1240.4	1263.1	1282.4	1224.4	1161.7	1113.7	1093.1	1090.4
55°	1275.7	1289.1	1313.0	1354.4	1419.7	1446.4	1346.4	1234.4	1175.8	1143.7	1137.1
56°	1311.1	1298.4	1339.7	1396.3	1481.7	1516.4	1366.3	1249.0	1184.4	1148.4	1147.7
57.5°	1277.1	1291.0	1319.7	1409.0	1513.6	1559.0	1373.7	1242.4	1149.8	1113.1	1116.4
60°	1008.4	1021.7	1060.4	1160.4	1324.4	1359.7	1162.4	1024.4	941.8	889.1	889.8
62.5°	570.6	580.5	610.5	703.1	805.2	839.1	724.5	632.5	575.2	545.9	536.5
65°	209.9	205.9	210.6	257.9	320.6	349.2	301.3	254.6	224.6	213.9	209.9
67.5°	78.6	72.7	68.0	72.7	91.3	96.6	88.6	74.0	69.3	71.3	72.7
70°	48.6	46.0	36.6	34.7	34.0	33.4	35.3	37.3	42.7	50.0	51.3
72.5°	34.0	32.0	26.0	24.7	23.3	22.6	26.0	28.7	33.4	38.7	39.3
75°	13.3	14.0	13.3	14.6	15.3	16.0	18.6	20.7	22.6	22.6	22.0
77.5°	2.7	2.7	4.0	5.3	6.7	8.7	12.7	14.6	15.3	14.6	12.7
80°	0.0	0.0	1.3	2.7	5.3	7.4	11.4	12.7	14.0	12.7	10.0
82.5°	0.0	0.0	1.3	3.4	5.3	6.7	10.6	13.3	15.3	14.0	10.6
85°	0.0	0.0	1.3	2.7	4.0	4.7	4.7	3.4	3.4	2.0	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)