

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: P317105

Luminaire Tested: **GAN-SA1A-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317105
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4987 lumens
Efficiency: N/A
Efficacy: 146.7 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

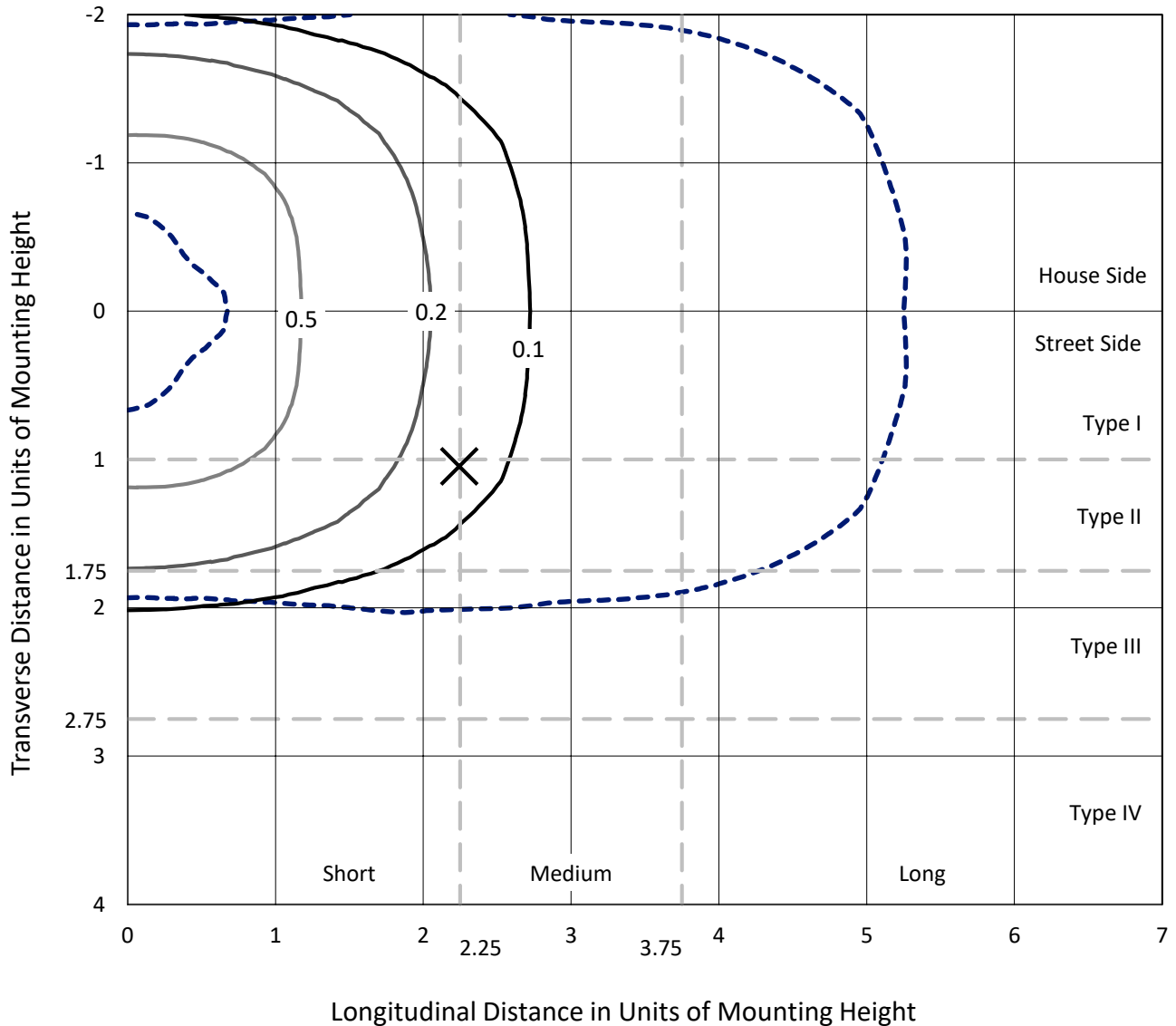
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

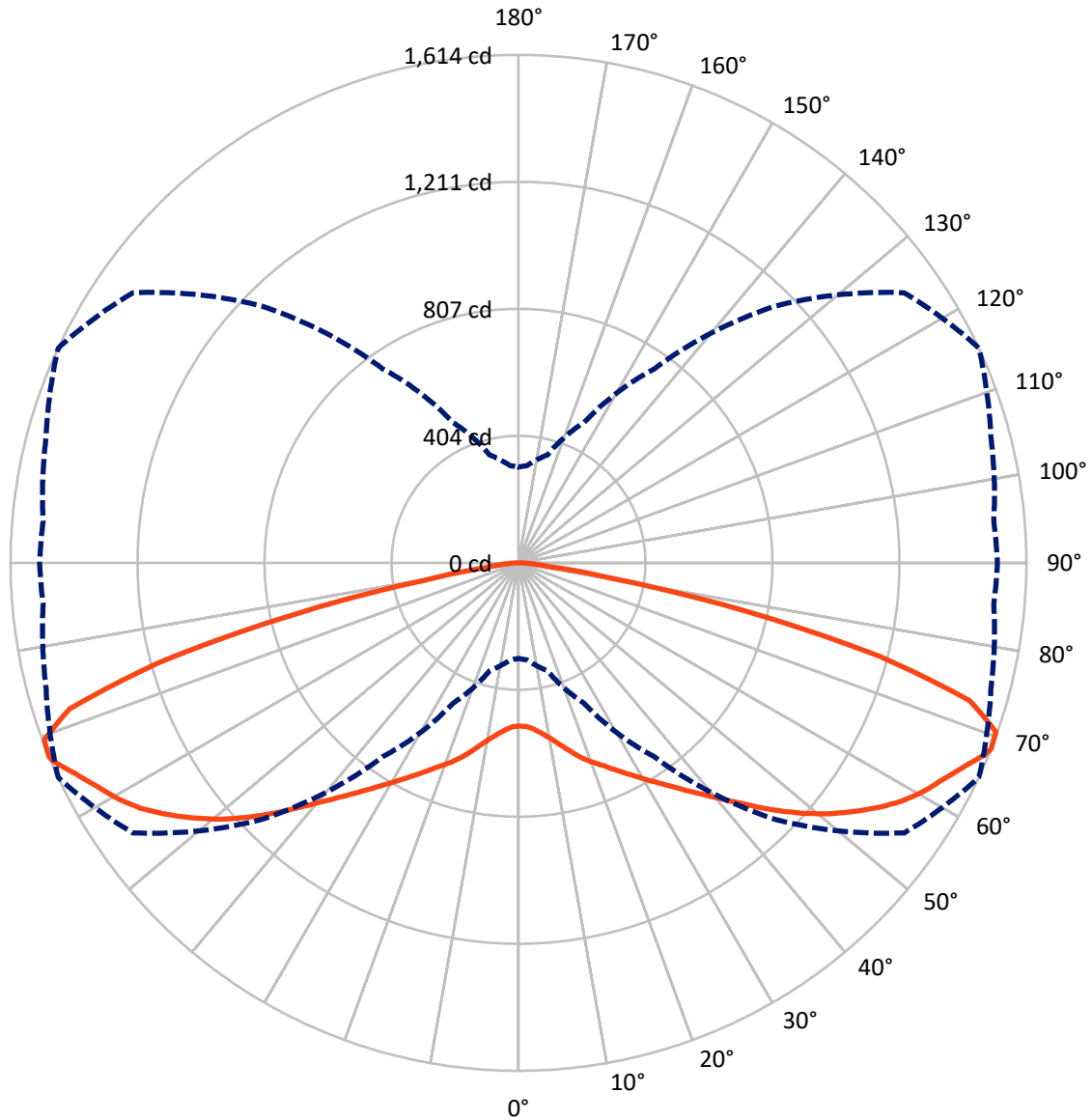
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2493.5	0.0	2493.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2493.5	0.0	2493.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4987.0	0.0	4987.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.0
10°-20°	170.0	3.4
20°-30°	331.4	6.6
30°-40°	556.8	11.2
40°-50°	877.3	17.6
50°-60°	1173.2	23.5
60°-70°	1140.6	22.9
70°-80°	623.5	12.5
80°-90°	63.4	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°	4987.0	100.0
0°-180°	4987.0	100.0

Coefficient of Utilization



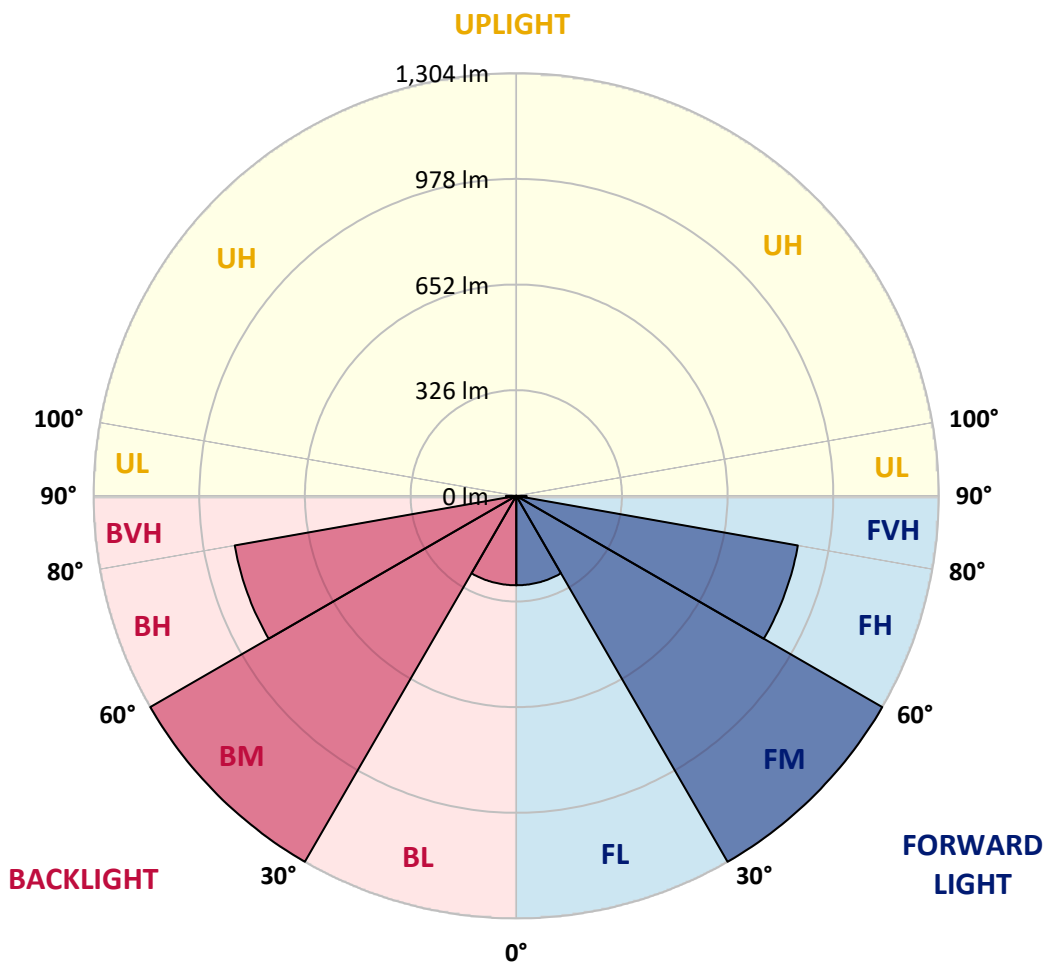
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.1	5.5			
FM (30°-60°)	1303.7	26.1			
FH (60°-80°)	882.0	17.7			G1/1800
FVH (80°-90°)	31.7	0.6			G1/100
BL (0°-30°)	276.1	5.5	B1/500		
BM (30°-60°)	1303.7	26.1	B2/2500		
BH (60°-80°)	882.0	17.7	B2/1000		G2/1000
BVH (80°-90°)	31.7	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°	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5	518.5
2.5°	514.9	515.0	515.9	516.9	517.7	519.9	520.4	521.2	521.5	522.4	522.4
5°	510.3	510.7	512.7	515.4	518.4	523.7	527.6	531.9	534.1	536.4	536.3
7.5°	509.8	510.7	513.5	517.9	522.9	531.7	539.8	548.5	554.3	559.7	559.3
10°	515.0	516.4	520.4	526.9	534.4	545.5	557.3	569.0	579.2	587.4	587.8
12.5°	522.9	524.6	530.9	540.8	552.1	566.4	580.4	593.6	607.7	619.9	620.9
15°	533.2	535.4	545.0	559.7	577.1	593.9	609.0	622.5	638.8	655.6	657.3
17.5°	548.6	551.6	564.2	584.1	607.0	625.5	641.3	651.5	665.0	682.4	685.6
20°	572.0	575.9	591.8	615.5	643.4	662.8	674.9	677.0	683.7	699.3	703.0
22.5°	602.5	605.8	623.5	651.8	683.1	704.1	710.5	701.8	701.1	713.7	717.2
25°	636.4	639.4	660.0	691.8	725.4	748.6	748.4	731.6	719.9	729.6	733.2
27.5°	674.5	679.2	699.0	732.4	768.3	791.3	789.9	763.8	741.6	744.1	747.3
30°	718.4	723.5	742.8	776.7	812.7	835.1	833.4	798.9	765.5	758.8	761.2
32.5°	772.7	778.9	797.1	830.6	862.3	882.6	877.7	837.1	794.3	779.7	781.9
35°	838.1	841.8	861.0	893.9	919.7	933.6	923.4	881.2	830.7	813.2	813.2
37.5°	904.3	907.1	928.7	960.6	985.6	992.9	973.0	929.5	878.4	853.5	854.0
40°	967.8	975.5	999.8	1032.5	1057.1	1059.1	1032.7	984.7	931.4	905.6	908.6
42.5°	1034.2	1041.7	1070.7	1107.8	1129.5	1132.9	1101.9	1046.6	991.2	970.3	973.7
45°	1093.4	1099.4	1132.9	1176.0	1203.1	1211.8	1175.2	1117.5	1056.0	1035.6	1036.4
47.5°	1134.7	1142.6	1179.4	1230.2	1269.7	1283.0	1247.1	1186.6	1119.7	1094.9	1097.1
50°	1172.2	1176.4	1213.6	1269.2	1319.3	1346.9	1316.1	1254.8	1184.0	1157.8	1160.1
52.5°	1193.1	1198.4	1234.5	1292.4	1351.8	1396.2	1377.5	1316.1	1246.2	1220.7	1223.5
55°	1178.5	1182.5	1225.8	1297.6	1371.8	1426.7	1429.5	1376.2	1307.3	1284.9	1292.9
57.5°	1112.3	1117.3	1170.2	1264.1	1374.3	1447.2	1468.6	1431.9	1364.3	1346.1	1350.8
60°	1008.8	1012.0	1068.3	1174.0	1325.5	1455.8	1493.6	1477.3	1420.1	1401.9	1408.3
62.5°	824.4	829.0	896.4	1038.1	1222.3	1430.5	1517.6	1515.0	1472.2	1455.4	1461.1
65°	563.5	571.7	646.3	825.4	1063.3	1353.3	1539.5	1558.8	1518.1	1497.1	1504.6
67.5°	340.3	346.3	400.3	545.0	813.7	1197.4	1517.0	1608.6	1550.6	1516.6	1522.8
68°	304.2	309.7	354.8	491.8	752.6	1153.4	1496.4	1614.3	1554.1	1516.3	1521.8
70°	183.8	187.4	217.7	304.0	501.8	915.0	1356.1	1609.6	1576.5	1521.0	1524.2
72.5°	119.7	120.9	125.9	156.0	256.3	511.7	1017.8	1499.9	1610.1	1548.2	1547.7
75°	99.5	98.8	99.3	102.8	126.4	224.4	594.8	1184.9	1534.9	1505.3	1494.7
77.5°	84.1	83.6	83.4	83.6	84.6	108.4	258.2	738.1	1174.5	1331.5	1340.9
80°	68.1	67.4	69.6	68.6	65.5	67.4	108.2	307.0	553.6	595.6	558.2
82.5°	49.5	47.0	56.4	53.7	51.2	47.5	59.7	99.2	132.1	90.6	63.7
85°	38.1	35.4	42.8	41.1	35.1	24.2	35.4	48.5	53.5	30.6	24.1
87.5°	15.6	16.4	30.9	24.4	20.6	11.7	14.5	19.4	26.1	13.0	10.0
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)