

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: P653145

Luminaire Tested: **GLAN-SA1D-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5584.3 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

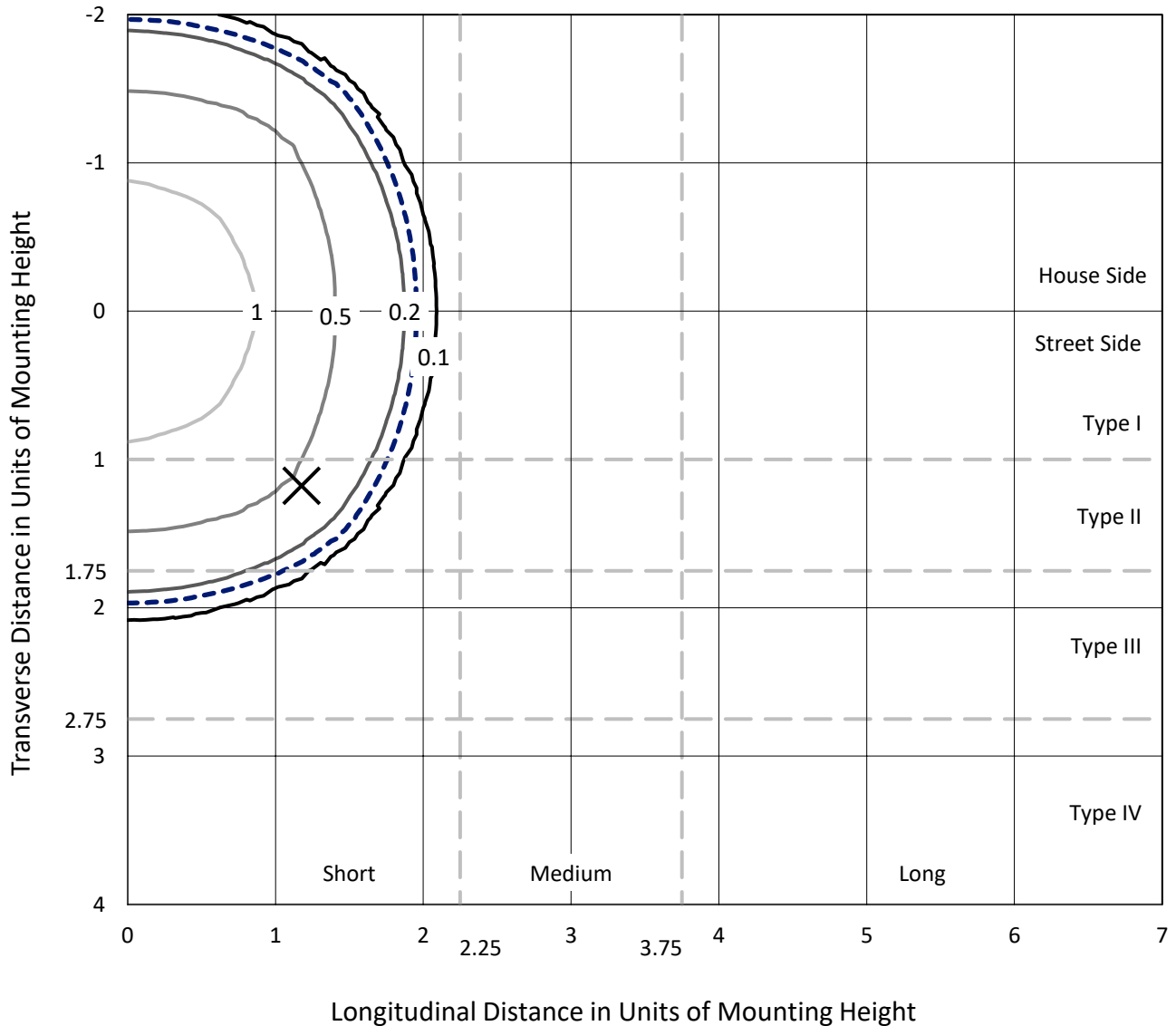
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

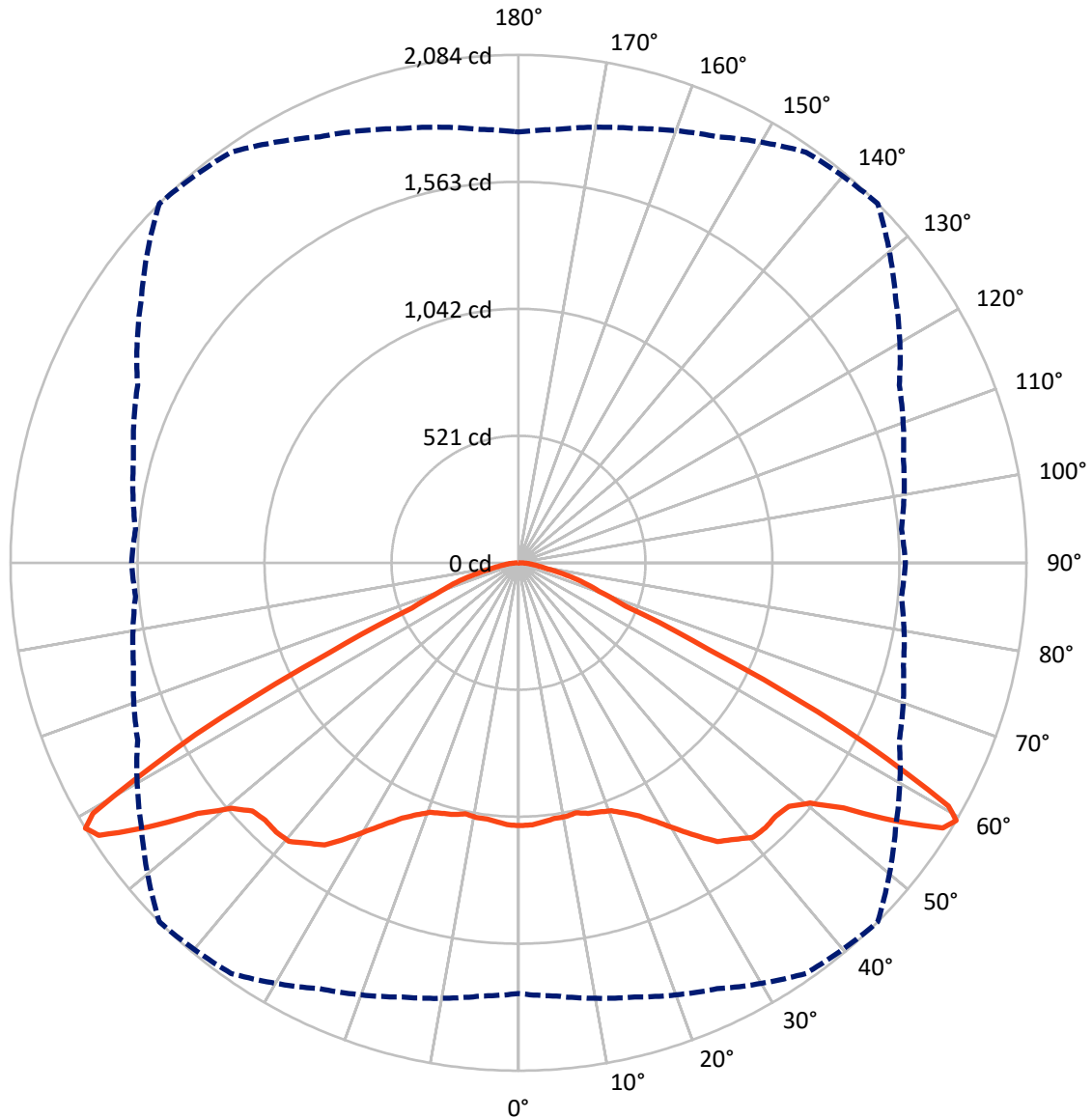
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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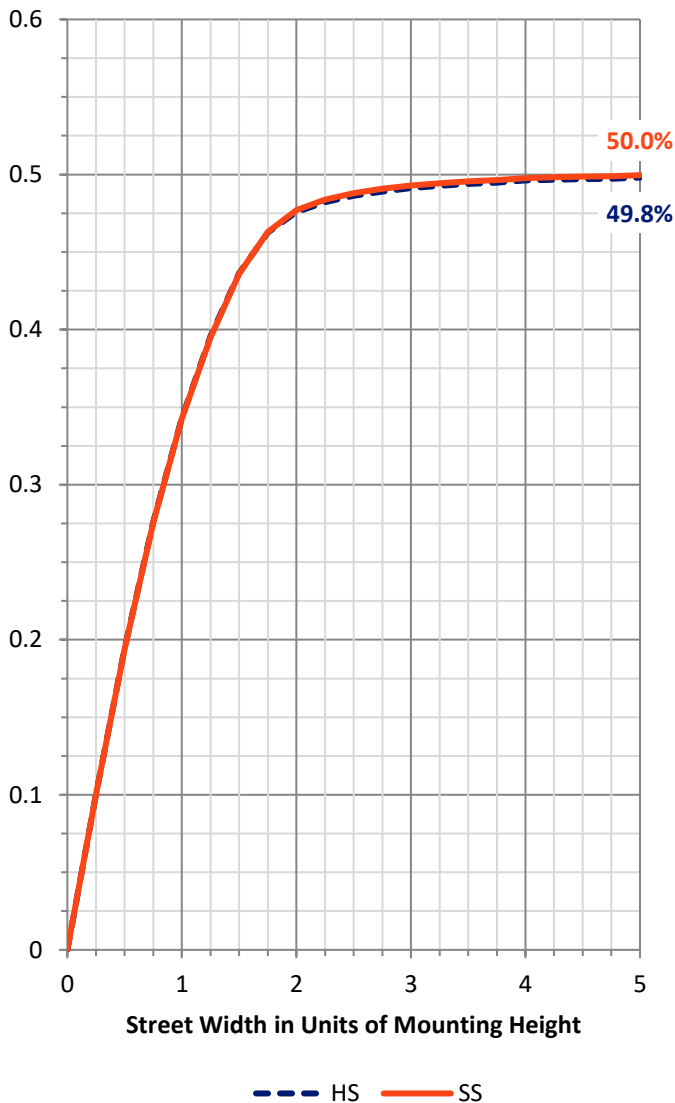
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2792.1	0.0	2792.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2792.1	0.0	2792.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5584.3	0.0	5584.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	1.8
10°-20°	302.4	5.4
20°-30°	528.0	9.5
30°-40°	843.3	15.1
40°-50°	1148.7	20.6
50°-60°	1553.3	27.8
60°-70°	851.8	15.3
70°-80°	217.9	3.9
80°-90°	37.2	0.7
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°	5584.3	100.0
0°-180°	5584.3	100.0

Coefficient of Utilization



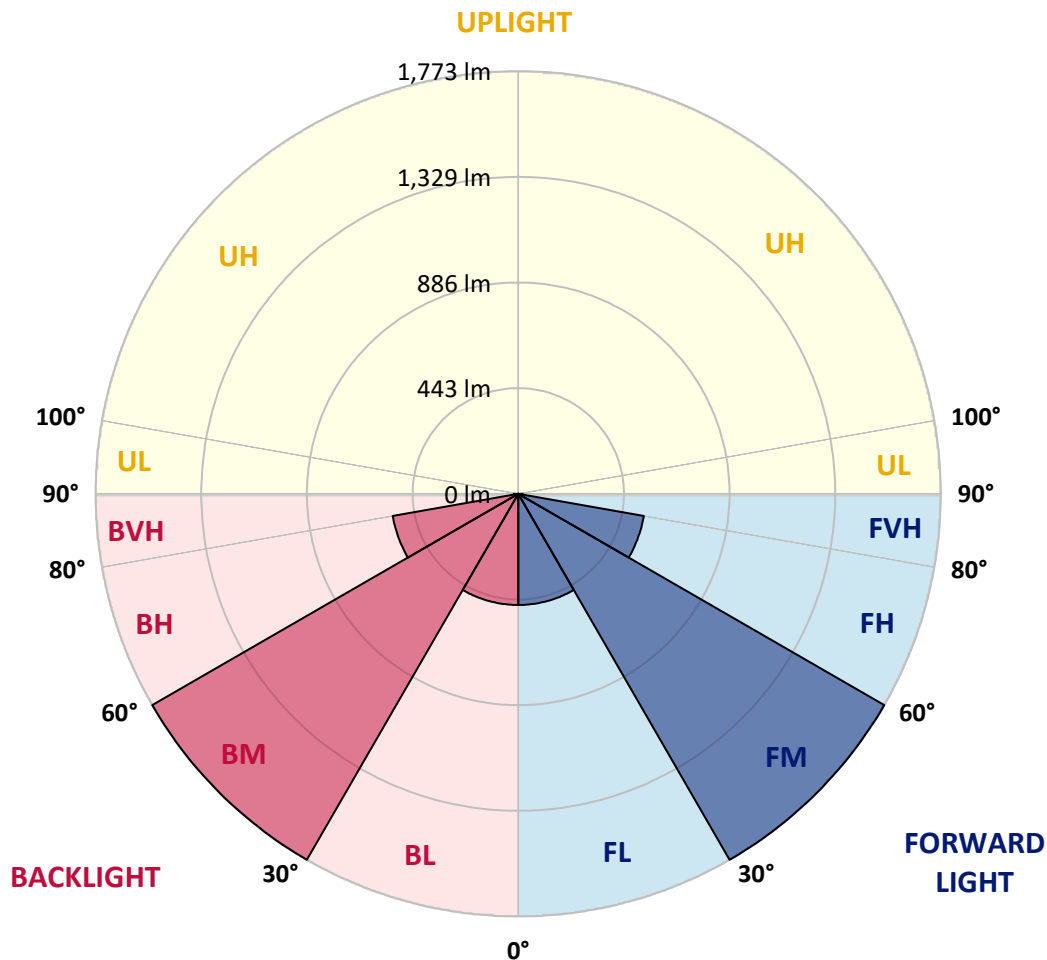
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	466.0	8.3			
FM (30°-60°)	1772.6	31.7			
FH (60°-80°)	534.9	9.6			G0/660
FVH (80°-90°)	18.6	0.3			G1/100
BL (0°-30°)	466.0	8.3	B1/500		
BM (30°-60°)	1772.6	31.7	B2/2500		
BH (60°-80°)	534.9	9.6	B2/1000		G0/660
BVH (80°-90°)	18.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6	1078.6
2.5°	1072.2	1080.0	1074.3	1079.3	1078.6	1076.5	1072.9	1070.8	1067.9	1072.2	1065.0
5°	1067.9	1074.3	1080.8	1072.2	1072.2	1067.9	1065.7	1061.4	1061.4	1060.8	1060.0
7.5°	1075.1	1068.6	1065.7	1067.1	1068.6	1059.3	1065.7	1057.1	1050.0	1055.0	1060.8
10°	1068.6	1071.4	1060.8	1065.7	1057.9	1059.3	1055.0	1060.8	1052.8	1052.8	1052.8
12.5°	1075.1	1067.1	1070.8	1067.1	1065.0	1052.8	1058.6	1052.1	1051.4	1058.6	1052.1
15°	1087.9	1075.1	1072.2	1065.0	1067.1	1067.1	1061.4	1062.2	1054.3	1058.6	1060.0
17.5°	1083.6	1076.5	1074.3	1065.7	1072.9	1075.1	1064.3	1057.1	1062.2	1061.4	1060.8
20°	1087.2	1090.0	1087.9	1089.3	1092.2	1086.5	1076.5	1066.5	1060.0	1069.3	1068.6
22.5°	1110.1	1107.3	1105.8	1104.4	1109.4	1115.1	1101.5	1085.7	1085.7	1092.2	1095.1
25°	1128.7	1128.0	1127.3	1133.8	1150.9	1150.9	1133.8	1113.7	1108.7	1113.0	1109.4
27.5°	1155.9	1163.8	1160.9	1172.4	1197.4	1203.1	1180.3	1156.6	1143.0	1138.0	1144.4
30°	1218.2	1208.9	1211.0	1223.2	1245.4	1264.0	1229.0	1203.9	1185.2	1184.5	1187.4
32.5°	1259.6	1266.9	1273.3	1284.7	1319.8	1334.2	1291.9	1251.1	1239.6	1233.2	1235.3
35°	1342.7	1336.3	1334.8	1346.3	1381.3	1405.0	1352.0	1316.2	1301.2	1315.5	1315.5
37.5°	1421.5	1403.5	1389.9	1405.0	1437.2	1440.0	1395.0	1375.6	1367.8	1384.2	1383.5
40°	1458.6	1457.2	1425.7	1434.3	1477.3	1481.6	1439.4	1416.4	1415.0	1436.5	1458.0
42.5°	1497.3	1483.7	1452.2	1458.0	1484.4	1485.9	1445.8	1439.4	1455.1	1475.9	1477.3
45°	1503.8	1492.3	1472.3	1458.0	1477.3	1481.6	1458.0	1462.2	1463.7	1488.7	1488.7
47.5°	1516.7	1515.2	1503.8	1493.0	1496.6	1493.0	1478.0	1484.4	1505.9	1518.1	1512.4
50°	1552.4	1537.4	1548.9	1539.5	1540.3	1550.3	1536.7	1543.2	1538.9	1528.1	1520.9
52.5°	1631.1	1624.0	1634.0	1640.5	1647.6	1670.5	1654.8	1620.4	1588.2	1559.6	1558.9
55°	1746.4	1751.4	1770.7	1803.6	1831.5	1868.0	1792.2	1709.9	1658.4	1613.3	1616.1
57.5°	1855.2	1851.6	1878.1	1953.2	2034.8	2053.5	1904.5	1787.2	1703.4	1674.9	1662.7
59°	1767.9	1785.0	1845.2	1928.9	2057.0	2084.3	1889.6	1724.2	1635.4	1577.5	1587.5
60°	1630.4	1636.8	1690.6	1807.2	1980.5	2027.0	1788.6	1626.8	1508.8	1475.1	1490.2
62.5°	1152.3	1147.3	1186.0	1281.2	1436.5	1499.4	1329.8	1216.0	1141.6	1104.4	1113.0
65°	612.7	635.5	651.4	710.7	793.1	859.6	789.4	740.1	698.5	667.8	667.1
67.5°	413.7	410.8	414.4	428.0	455.9	474.5	473.1	448.1	444.5	438.7	445.2
70°	348.6	347.2	340.7	340.7	346.4	350.7	355.7	358.6	364.3	371.5	370.7
72.5°	282.7	279.1	274.8	272.7	279.9	282.0	288.5	291.3	296.3	295.6	302.0
75°	186.8	186.8	191.8	197.6	199.7	203.9	204.7	213.3	213.3	214.7	209.0
77.5°	104.5	101.6	105.2	110.9	116.0	123.8	131.7	138.2	141.7	140.3	140.3
80°	60.8	60.8	64.4	70.9	77.3	84.4	90.2	95.2	98.7	97.3	94.4
82.5°	37.9	37.9	41.5	47.9	53.0	57.3	65.1	71.6	75.9	74.4	70.9
85°	19.3	19.3	23.6	27.9	34.4	37.3	36.5	33.6	32.9	29.4	29.4
87.5°	5.0	5.0	7.1	7.9	6.5	7.1	7.1	7.1	7.1	7.1	7.9
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)