

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: P526796

Luminaire Tested: **GLAN-SA1D-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526796  
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-735-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

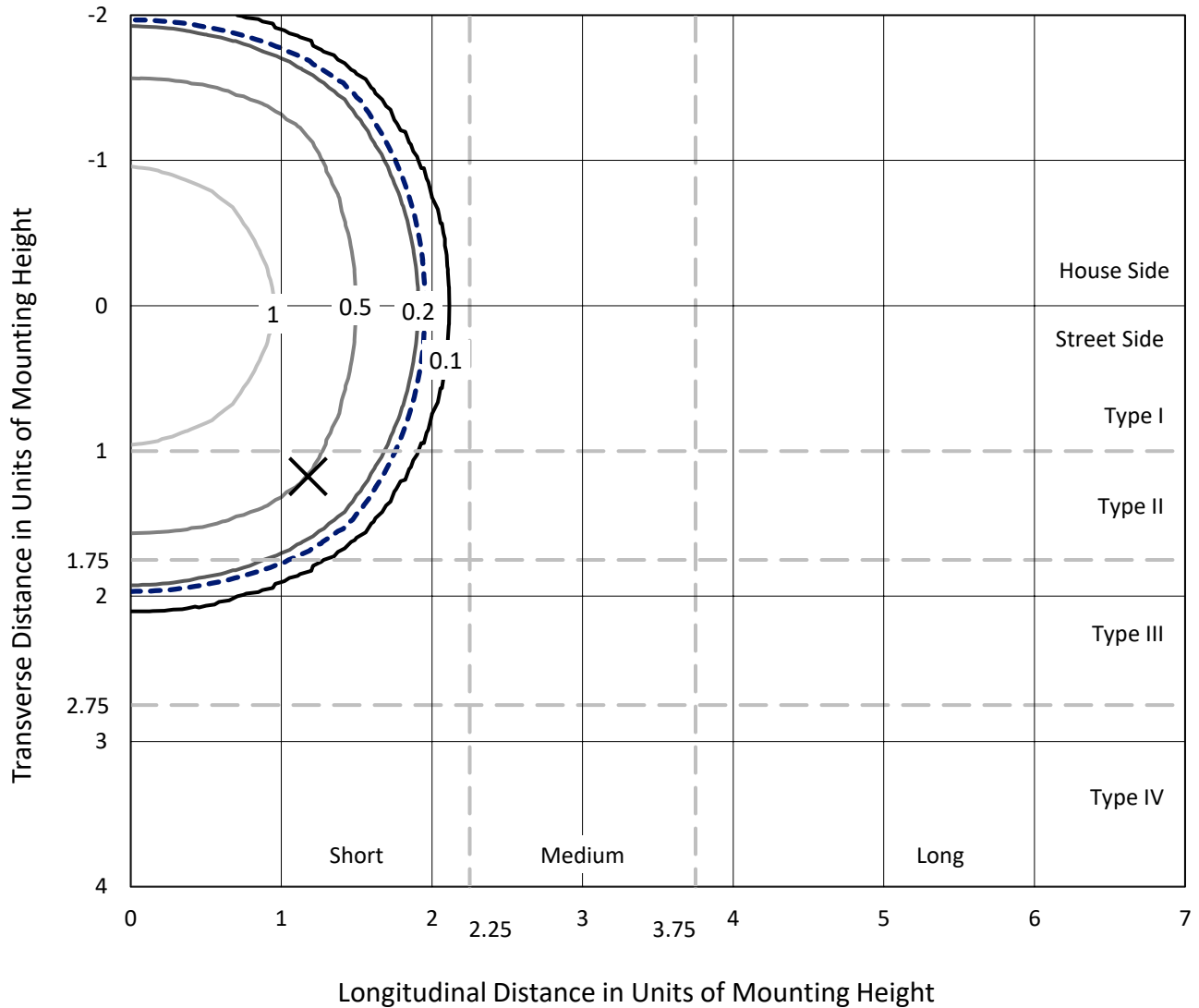
Lumens per Lamp: N/A  
Luminaire Lumens: 6186 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

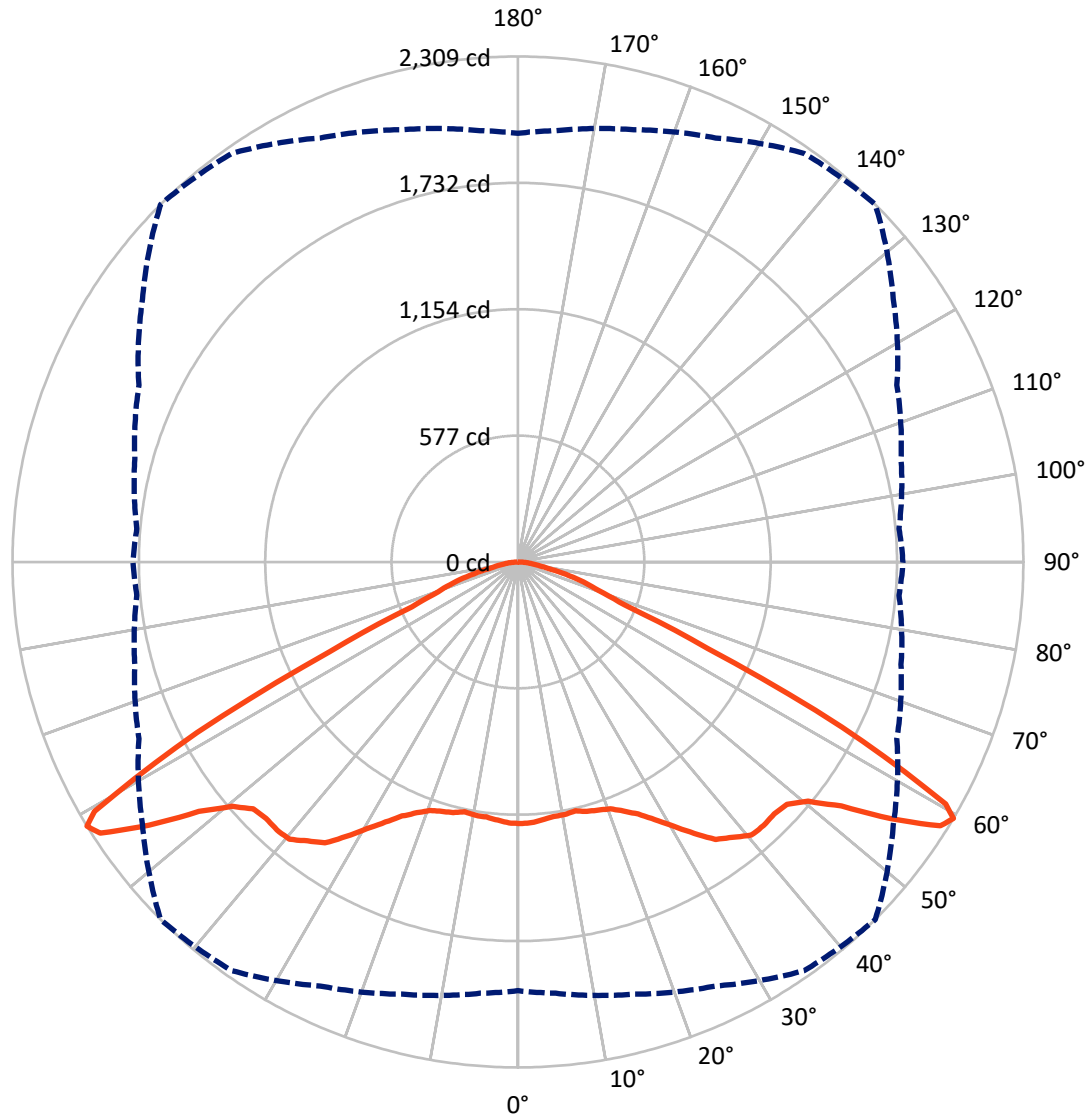
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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
<b>House Side</b>	Lumens	3093.0	0.0	3093.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3093.0	0.0	3093.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6186.0	0.0	6186.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	1.8
10°-20°	335.0	5.4
20°-30°	584.9	9.5
30°-40°	934.1	15.1
40°-50°	1272.5	20.6
50°-60°	1720.7	27.8
60°-70°	943.6	15.3
70°-80°	241.4	3.9
80°-90°	41.2	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°	6186.0	100.0
0°-180°	6186.0	100.0



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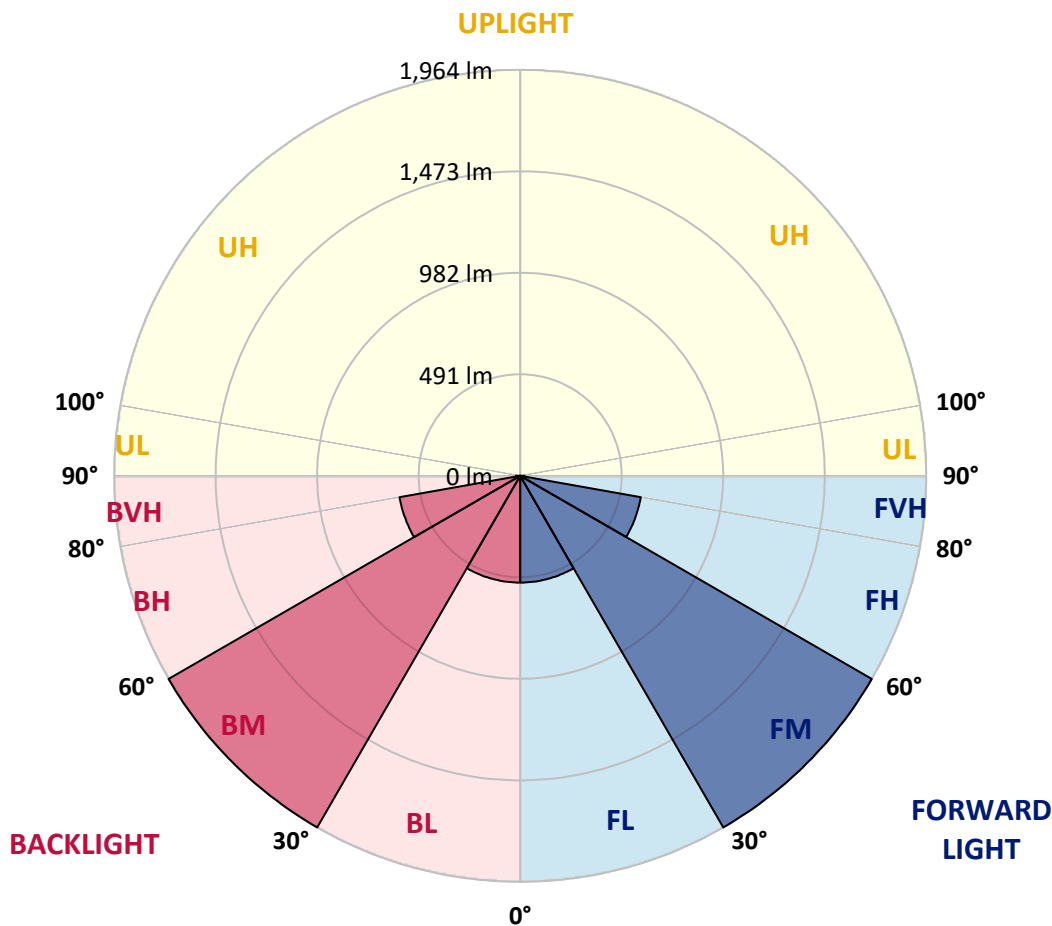
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.2	8.3			
FM (30°-60°)	1963.7	31.7			
FH (60°-80°)	592.5	9.6			G0/660
FVH (80°-90°)	20.6	0.3			G1/100
BL (0°-30°)	516.2	8.3	B2/1000		
BM (30°-60°)	1963.7	31.7	B2/2500		
BH (60°-80°)	592.5	9.6	B2/1000		G0/660
BVH (80°-90°)	20.6	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°	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8	1194.8
2.5°	1187.7	1196.4	1190.1	1195.6	1194.8	1192.5	1188.5	1186.1	1182.9	1187.7	1179.8
5°	1182.9	1190.1	1197.2	1187.7	1187.7	1182.9	1180.6	1175.8	1175.8	1175.0	1174.2
7.5°	1190.9	1183.7	1180.6	1182.2	1183.7	1173.4	1180.6	1171.1	1163.1	1168.7	1175.0
10°	1183.7	1186.9	1175.0	1180.6	1171.8	1173.4	1168.7	1175.0	1166.3	1166.3	1166.3
12.5°	1190.9	1182.2	1186.1	1182.2	1179.8	1166.3	1172.6	1165.5	1164.7	1172.6	1165.5
15°	1205.1	1190.9	1187.7	1179.8	1182.2	1182.2	1175.8	1176.6	1167.9	1172.6	1174.2
17.5°	1200.4	1192.5	1190.1	1180.6	1188.5	1190.9	1179.0	1171.1	1176.6	1175.8	1175.0
20°	1204.4	1207.5	1205.1	1206.7	1209.9	1203.6	1192.5	1181.4	1174.2	1184.5	1183.7
22.5°	1229.7	1226.6	1225.0	1223.4	1228.9	1235.3	1220.2	1202.8	1202.8	1209.9	1213.1
25°	1250.3	1249.5	1248.8	1255.9	1274.9	1274.9	1255.9	1233.7	1228.1	1232.9	1228.9
27.5°	1280.5	1289.2	1286.0	1298.7	1326.5	1332.8	1307.4	1281.3	1266.2	1260.6	1267.8
30°	1349.4	1339.1	1341.5	1355.0	1379.6	1400.2	1361.3	1333.6	1313.0	1312.2	1315.4
32.5°	1395.4	1403.4	1410.5	1423.2	1462.0	1477.9	1431.1	1385.9	1373.2	1366.1	1368.5
35°	1487.4	1480.3	1478.7	1491.4	1530.2	1556.4	1497.7	1458.1	1441.4	1457.3	1457.3
37.5°	1574.6	1554.8	1539.7	1556.4	1592.1	1595.2	1545.3	1523.9	1515.2	1533.4	1532.6
40°	1615.8	1614.3	1579.4	1588.9	1636.5	1641.2	1594.4	1569.1	1567.5	1591.3	1615.1
42.5°	1658.7	1643.6	1608.7	1615.1	1644.4	1646.0	1601.6	1594.4	1611.9	1634.9	1636.5
45°	1665.8	1653.1	1630.9	1615.1	1636.5	1641.2	1615.1	1619.8	1621.4	1649.1	1649.1
47.5°	1680.1	1678.5	1665.8	1653.9	1657.9	1653.9	1637.3	1644.4	1668.2	1681.7	1675.3
50°	1719.7	1703.1	1715.7	1705.4	1706.2	1717.3	1702.3	1709.4	1704.6	1692.8	1684.8
52.5°	1806.9	1799.0	1810.1	1817.2	1825.2	1850.5	1833.1	1795.0	1759.4	1727.6	1726.8
55°	1934.6	1940.1	1961.5	1998.0	2028.9	2069.4	1985.3	1894.1	1837.1	1787.1	1790.3
57.5°	2055.1	2051.1	2080.5	2163.7	2254.1	2274.7	2109.8	1979.8	1887.0	1855.3	1841.8
59°	1958.4	1977.4	2044.0	2136.8	2278.7	2308.8	2093.1	1910.0	1811.7	1747.5	1758.6
60°	1806.1	1813.3	1872.7	2002.0	2193.8	2245.4	1981.4	1802.2	1671.3	1634.1	1650.7
62.5°	1276.5	1271.0	1313.8	1419.2	1591.3	1661.0	1473.1	1347.1	1264.6	1223.4	1232.9
65°	678.7	704.1	721.5	787.3	878.5	952.2	874.5	819.8	773.8	739.7	738.9
67.5°	458.3	455.1	459.1	474.1	505.1	525.7	524.1	496.3	492.4	486.0	493.2
70°	386.1	384.5	377.4	377.4	383.7	388.5	394.1	397.2	403.6	411.5	410.7
72.5°	313.2	309.2	304.5	302.1	310.0	312.4	319.5	322.7	328.2	327.5	334.6
75°	206.9	206.9	212.5	218.8	221.2	226.0	226.8	236.3	236.3	237.9	231.5
77.5°	115.8	112.6	116.6	122.9	128.4	137.2	145.9	153.0	157.0	155.4	155.4
80°	67.4	67.4	71.4	78.5	85.6	93.6	99.9	105.5	109.4	107.8	104.7
82.5°	42.0	42.0	46.0	53.1	58.7	63.4	72.2	79.3	84.0	82.5	78.5
85°	21.4	21.4	26.2	30.9	38.1	41.2	40.4	37.3	36.5	32.5	32.5
87.5°	5.6	5.6	7.9	8.7	7.1	7.9	7.9	7.9	7.9	7.9	8.7
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)