

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: P317085

Luminaire Tested: **GAN-SA1C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317085
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-SA1C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6895 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

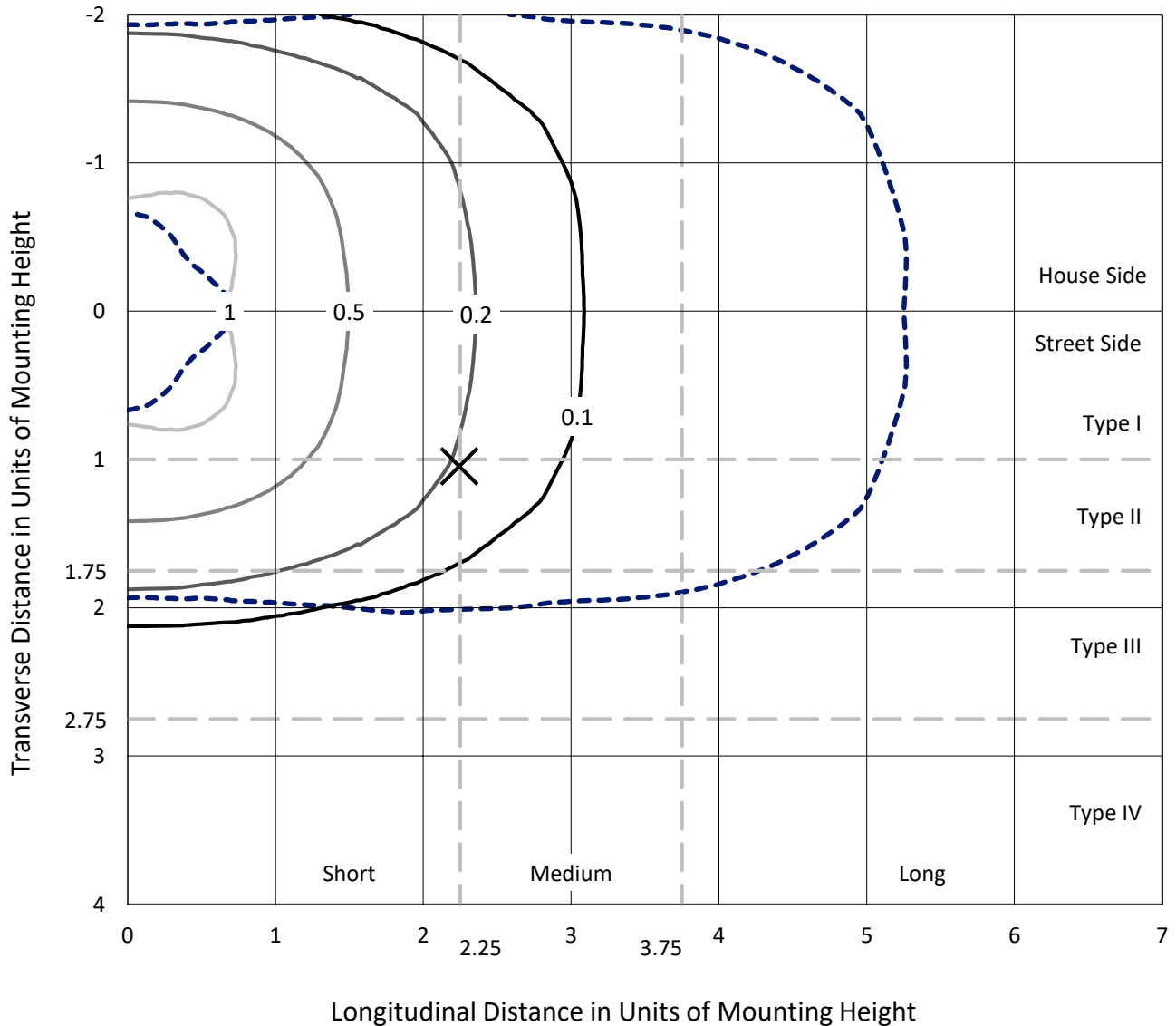
Input Watts (W): 59
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

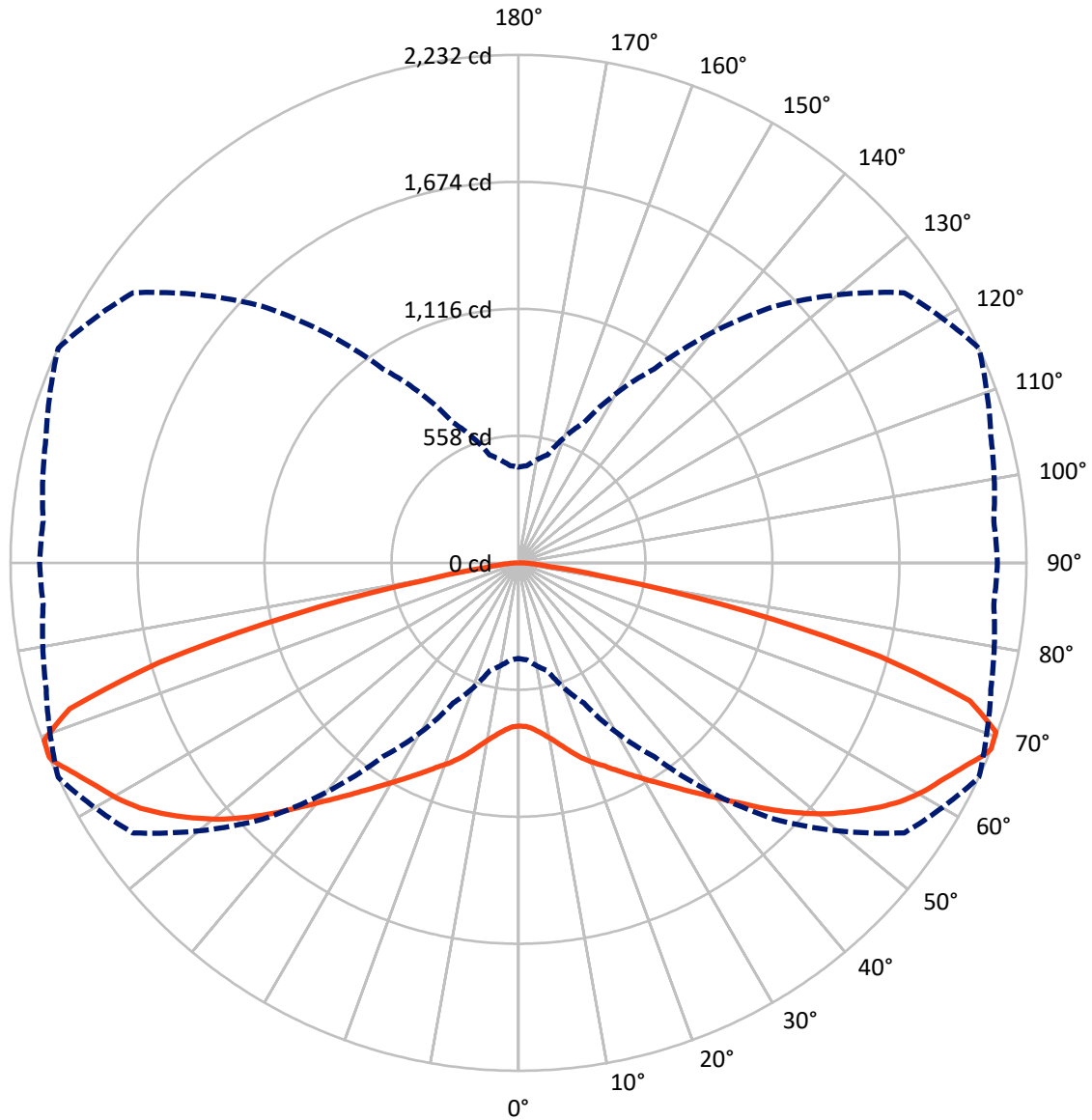
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	3447.5	0.0	3447.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3447.5	0.0	3447.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6895.0	0.0	6895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.0
10°-20°	235.0	3.4
20°-30°	458.2	6.6
30°-40°	769.8	11.2
40°-50°	1213.0	17.6
50°-60°	1622.1	23.5
60°-70°	1576.9	22.9
70°-80°	862.0	12.5
80°-90°	87.7	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°	6895.0	100.0
0°-180°	6895.0	100.0

Coefficient of Utilization



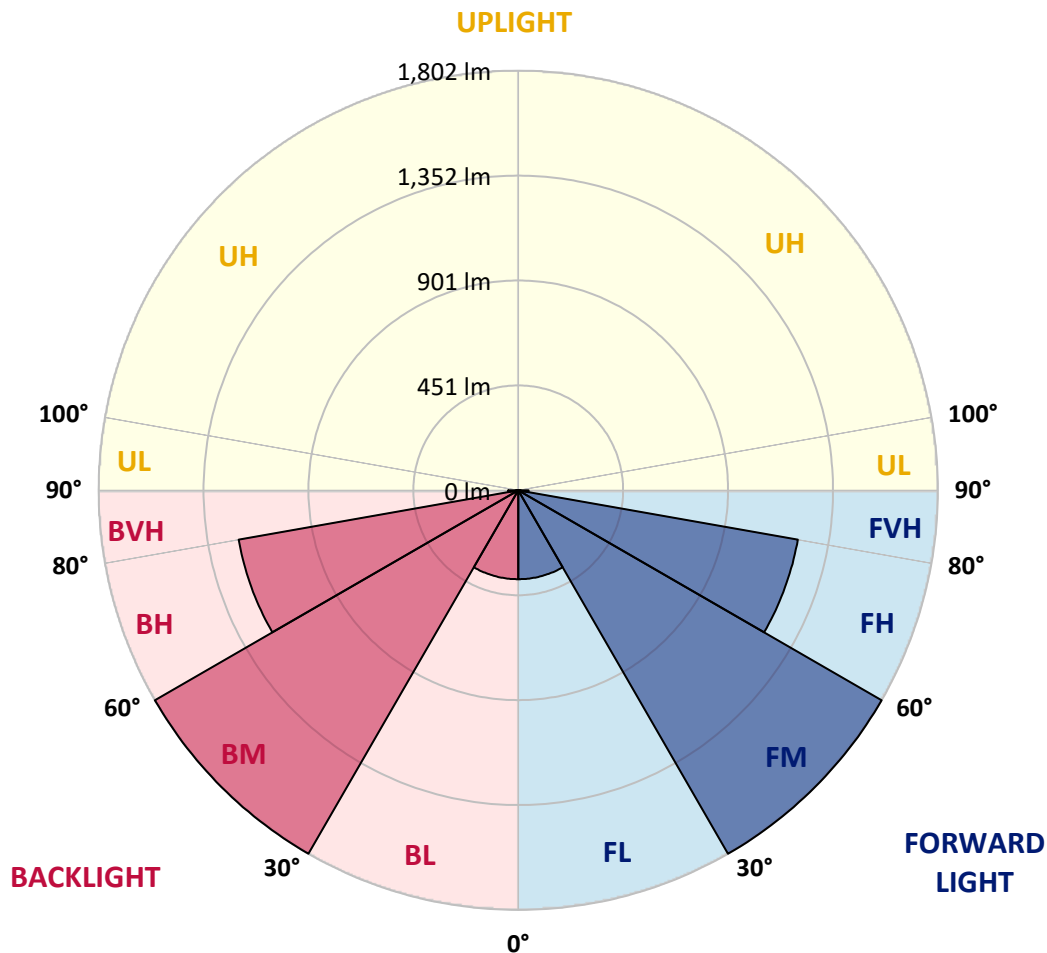
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.7	5.5			
FM (30°-60°)	1802.5	26.1			
FH (60°-80°)	1219.5	17.7			G1/1800
FVH (80°-90°)	43.8	0.6			G1/100
BL (0°-30°)	381.7	5.5	B1/500		
BM (30°-60°)	1802.5	26.1	B2/2500		
BH (60°-80°)	1219.5	17.7	B3/2500		G3/2500
BVH (80°-90°)	43.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.9
2.5°	711.8	712.1	713.2	714.6	715.8	718.8	719.5	720.6	721.1	722.2	722.2
5°	705.6	706.1	708.8	712.5	716.7	724.1	729.4	735.4	738.4	741.7	741.4
7.5°	704.9	706.1	710.0	716.0	722.9	735.2	746.3	758.3	766.4	773.8	773.3
10°	712.1	713.9	719.5	728.5	738.9	754.1	770.6	786.7	800.8	812.2	812.6
12.5°	722.9	725.2	734.0	747.7	763.4	783.0	802.5	820.7	840.1	857.0	858.4
15°	737.3	740.3	753.4	773.8	797.8	821.2	842.0	860.7	883.1	906.5	908.8
17.5°	758.5	762.7	780.0	807.5	839.2	864.9	886.6	900.7	919.4	943.5	947.9
20°	790.9	796.2	818.2	851.0	889.6	916.4	933.1	936.1	945.3	966.8	971.9
22.5°	833.0	837.6	862.1	901.2	944.4	973.5	982.3	970.3	969.4	986.7	991.6
25°	879.9	884.1	912.5	956.4	1002.9	1035.0	1034.8	1011.5	995.3	1008.7	1013.8
27.5°	932.6	939.1	966.4	1012.6	1062.3	1094.0	1092.1	1056.1	1025.3	1028.8	1033.2
30°	993.2	1000.4	1026.9	1073.9	1123.6	1154.6	1152.2	1104.6	1058.4	1049.1	1052.4
32.5°	1068.3	1076.9	1102.1	1148.3	1192.2	1220.2	1213.5	1157.3	1098.1	1078.0	1081.0
35°	1158.7	1163.8	1190.4	1235.9	1271.5	1290.7	1276.6	1218.4	1148.5	1124.3	1124.3
37.5°	1250.3	1254.2	1284.0	1328.2	1362.6	1372.8	1345.3	1285.2	1214.4	1180.0	1180.7
40°	1338.1	1348.8	1382.3	1427.6	1461.6	1464.4	1427.8	1361.5	1287.7	1252.1	1256.3
42.5°	1429.9	1440.3	1480.3	1531.6	1561.7	1566.3	1523.5	1447.0	1370.5	1341.6	1346.2
45°	1511.7	1520.1	1566.3	1626.0	1663.4	1675.4	1624.8	1545.0	1460.0	1431.8	1432.9
47.5°	1568.9	1579.7	1630.6	1700.9	1755.4	1773.9	1724.2	1640.5	1548.0	1513.8	1516.8
50°	1620.6	1626.4	1678.0	1754.7	1824.1	1862.2	1819.7	1734.8	1637.1	1600.8	1604.0
52.5°	1649.5	1656.9	1706.9	1786.9	1868.9	1930.4	1904.5	1819.7	1723.1	1687.7	1691.6
55°	1629.4	1635.0	1694.8	1794.0	1896.7	1972.5	1976.4	1902.7	1807.4	1776.5	1787.6
57.5°	1537.9	1544.8	1617.9	1747.8	1900.1	2000.9	2030.5	1979.7	1886.3	1861.1	1867.5
60°	1394.8	1399.2	1477.1	1623.2	1832.6	2012.7	2065.0	2042.6	1963.5	1938.3	1947.1
62.5°	1139.8	1146.2	1239.4	1435.2	1690.0	1977.8	2098.3	2094.6	2035.4	2012.3	2020.1
65°	779.1	790.4	893.5	1141.1	1470.1	1871.0	2128.6	2155.1	2099.0	2069.8	2080.2
67.5°	470.5	478.8	553.5	753.4	1125.0	1655.5	2097.3	2224.0	2143.8	2096.9	2105.4
68°	420.5	428.2	490.6	679.9	1040.6	1594.7	2068.9	2231.9	2148.7	2096.4	2104.1
70°	254.1	259.2	301.0	420.3	693.8	1265.1	1874.9	2225.4	2179.7	2102.9	2107.3
72.5°	165.5	167.1	174.1	215.7	354.4	707.4	1407.2	2073.8	2226.1	2140.6	2139.9
75°	137.6	136.6	137.3	142.2	174.8	310.3	822.3	1638.2	2122.1	2081.2	2066.6
77.5°	116.3	115.6	115.4	115.6	117.0	149.8	357.0	1020.5	1623.9	1841.0	1853.9
80°	94.1	93.2	96.2	94.8	90.6	93.2	149.6	424.5	765.5	823.5	771.7
82.5°	68.4	65.0	77.9	74.2	70.7	65.7	82.5	137.1	182.6	125.3	88.1
85°	52.7	49.0	59.2	56.9	48.5	33.5	49.0	67.0	74.0	42.3	33.3
87.5°	21.5	22.7	42.8	33.8	28.4	16.2	20.1	26.8	36.1	18.0	13.9
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)