

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: P846561

Luminaire Tested: **GLAN-SB2B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11003 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

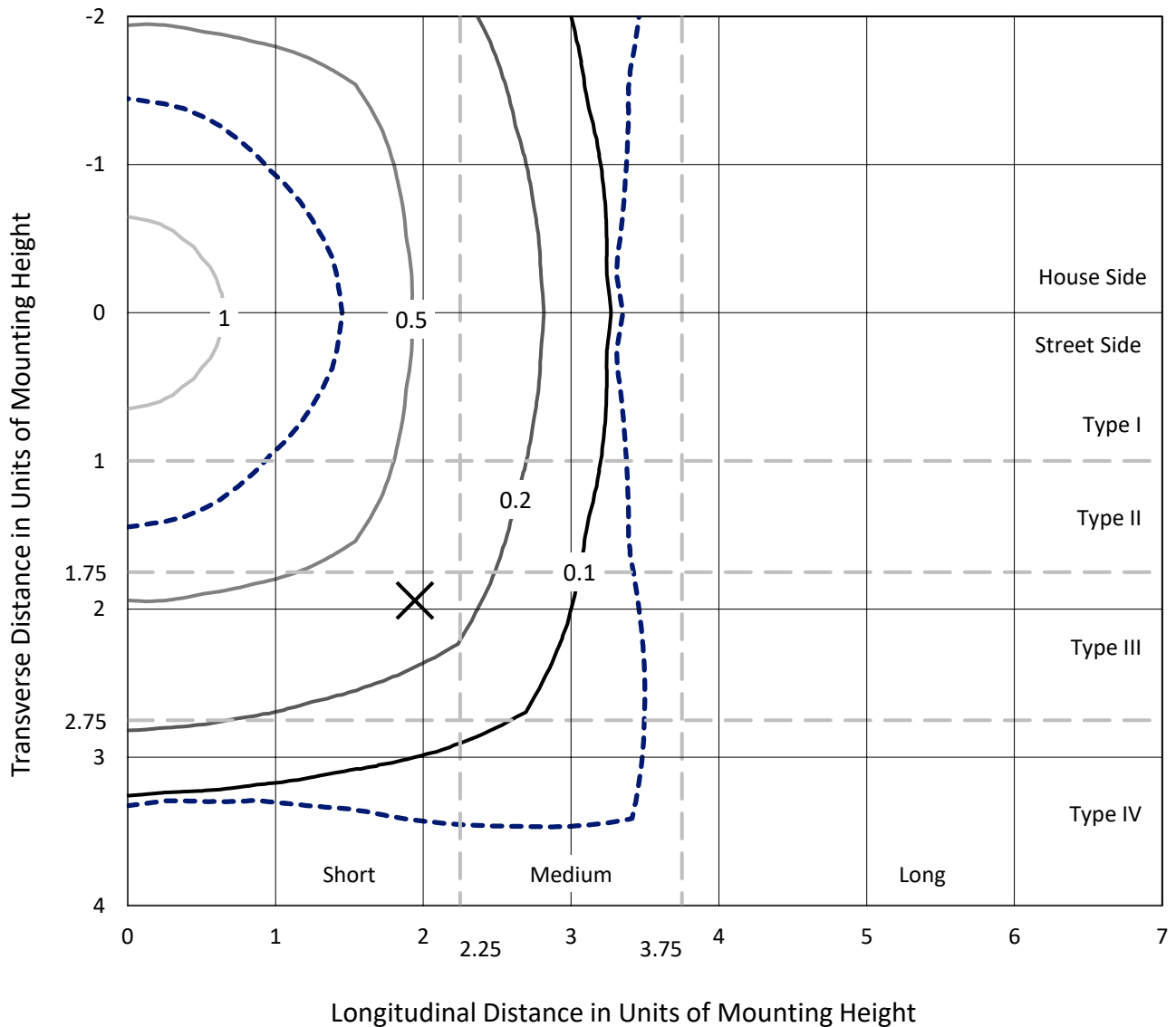
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846561
 CATALOG NUMBER: GLAN-SB2B-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

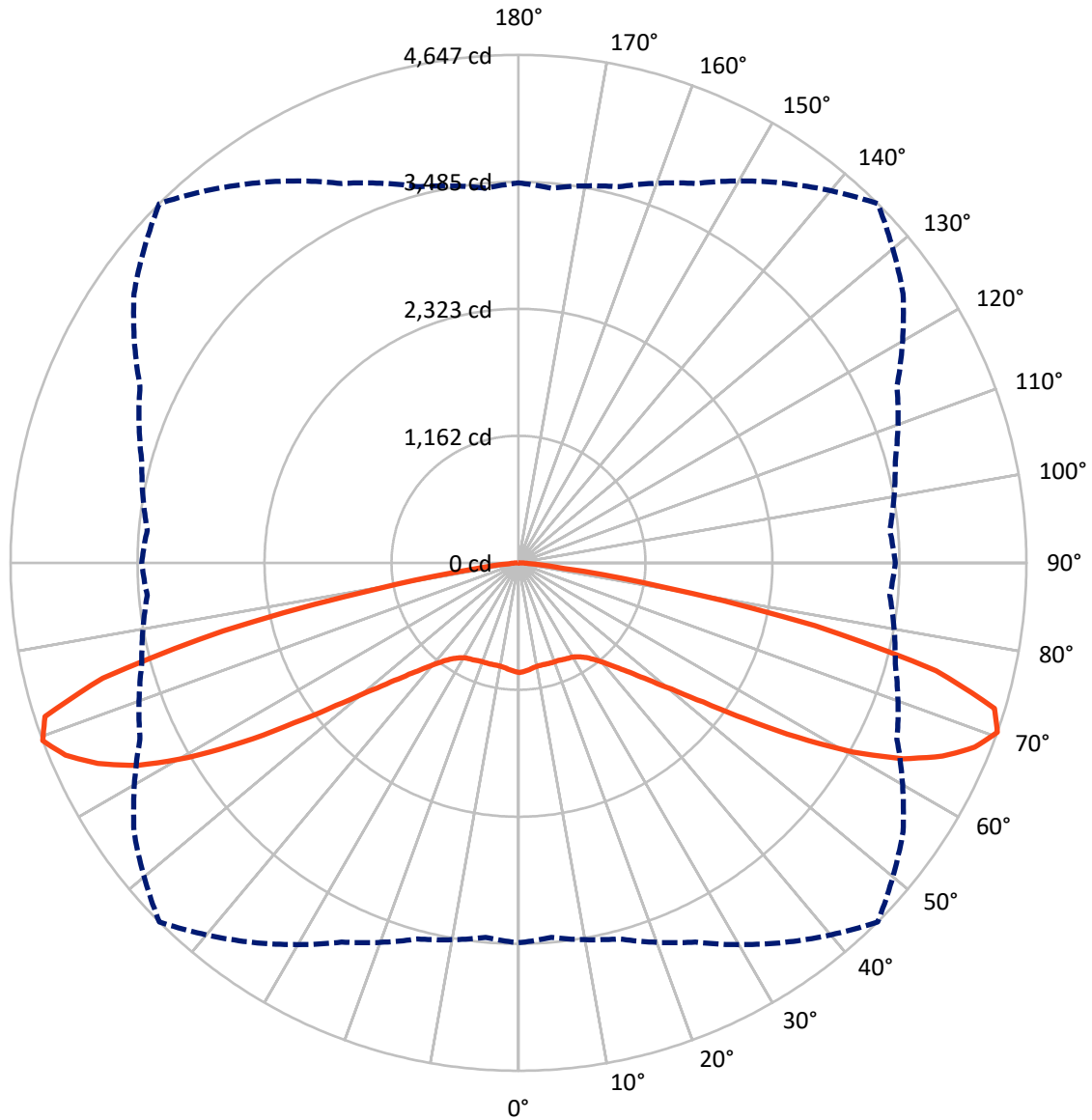
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P846561
CATALOG NUMBER: GLAN-SB2B-730-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P846561
 CATALOG NUMBER: GLAN-SB2B-730-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5501.5	0.0	5501.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5501.5	0.0	5501.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11003.0	0.0	11003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	0.8
10°-20°	274.1	2.5
20°-30°	456.2	4.1
30°-40°	689.9	6.3
40°-50°	1146.5	10.4
50°-60°	2163.5	19.7
60°-70°	3653.1	33.2
70°-80°	2400.5	21.8
80°-90°	125.8	1.1
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°	11003.0	100.0
0°-180°	11003.0	100.0

Coefficient of Utilization

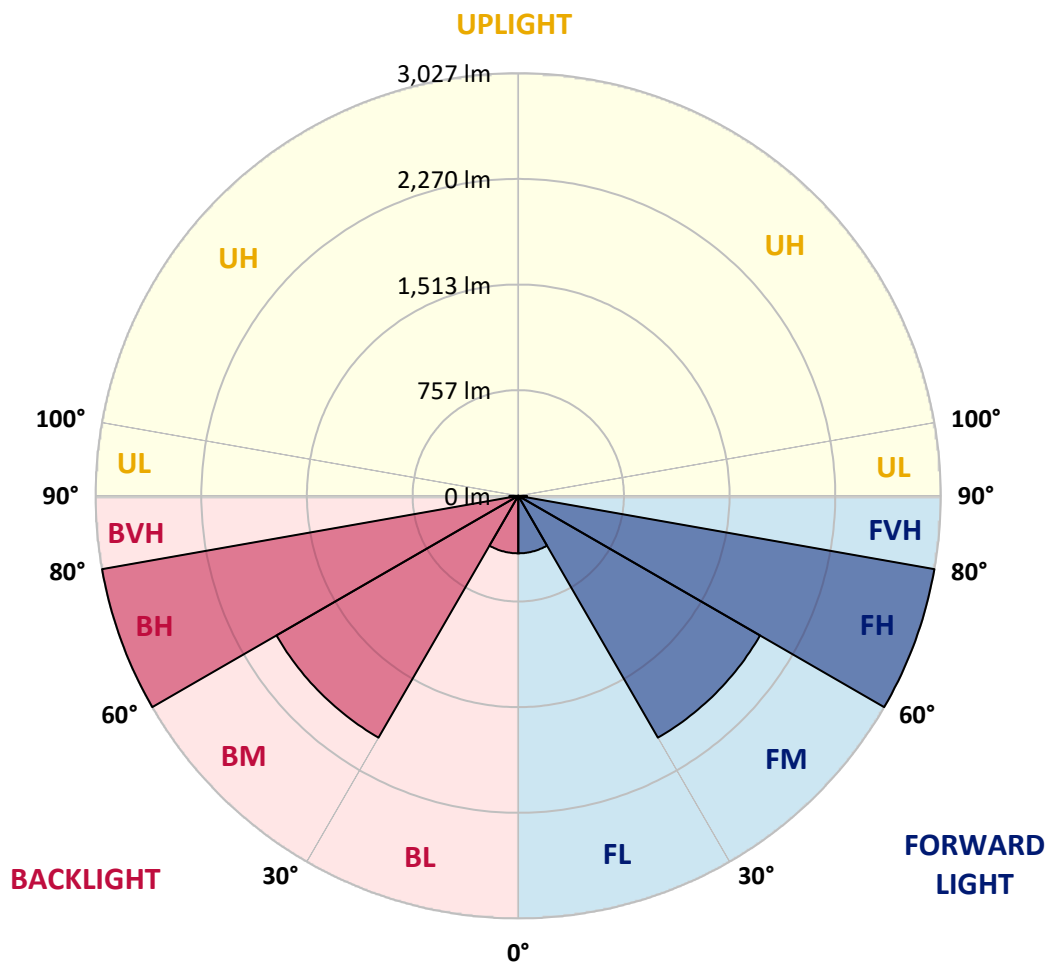


REPORT NUMBER: P846561
 CATALOG NUMBER: GLAN-SB2B-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.9	3.7			
FM (30°-60°)	2000.0	18.2			
FH (60°-80°)	3026.8	27.5			G2/5000
FVH (80°-90°)	62.9	0.6			G1/100
BL (0°-30°)	411.9	3.7	B1/500		
BM (30°-60°)	2000.0	18.2	B2/2500		
BH (60°-80°)	3026.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	62.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short



REPORT NUMBER: P846561
 CATALOG NUMBER: GLAN-SB2B-730-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7	1003.7
2.5°	997.4	1000.3	999.1	996.8	996.8	995.1	996.8	998.0	999.7	1000.8
5°	984.3	986.5	986.0	984.3	984.8	983.1	984.3	986.0	987.1	987.7
7.5°	972.8	975.1	974.0	971.1	971.1	969.4	970.0	971.7	973.4	974.0
10°	970.0	972.2	968.8	964.2	962.5	960.2	960.8	962.5	965.9	967.7
12.5°	971.1	972.8	969.4	962.5	960.8	958.5	958.5	960.2	964.8	967.1
15°	974.5	976.2	971.1	963.7	961.9	960.2	959.7	961.9	967.1	971.1
17.5°	980.8	982.5	974.5	964.2	961.9	962.5	961.9	963.7	971.7	979.1
20°	986.5	987.7	976.8	964.2	961.9	962.5	961.9	965.4	975.7	986.0
22.5°	988.3	989.4	979.1	968.2	966.5	967.1	966.5	970.0	979.7	990.0
25°	988.8	990.5	982.5	974.0	976.8	978.0	976.8	977.4	984.8	994.0
27.5°	997.4	999.7	992.3	984.8	986.5	986.0	987.7	989.4	995.1	1004.3
30°	1015.1	1016.8	1010.6	1003.1	1002.0	998.0	1003.1	1008.8	1015.1	1023.1
32.5°	1044.3	1047.7	1039.7	1031.7	1026.6	1024.3	1028.3	1038.0	1046.6	1055.2
35°	1092.9	1095.2	1087.8	1072.9	1063.7	1063.7	1067.2	1079.8	1093.5	1104.4
37.5°	1161.5	1164.4	1151.2	1133.5	1119.8	1119.8	1124.4	1137.5	1158.1	1173.6
40°	1245.0	1249.0	1232.5	1214.2	1201.0	1198.7	1204.4	1219.3	1238.7	1258.2
42.5°	1345.7	1350.3	1328.5	1312.5	1302.2	1302.2	1305.1	1318.8	1336.5	1360.6
45°	1474.4	1482.4	1452.6	1436.6	1426.9	1429.2	1430.9	1442.9	1458.9	1486.4
47.5°	1627.6	1635.7	1604.2	1587.6	1585.9	1596.8	1589.9	1598.5	1607.1	1638.5
50°	1801.5	1815.2	1793.5	1792.4	1795.8	1815.8	1799.8	1804.4	1794.6	1814.7
52.5°	2014.3	2034.3	2030.3	2037.1	2075.4	2116.6	2080.0	2064.0	2027.4	2033.7
55°	2272.2	2302.5	2308.2	2349.4	2436.3	2520.4	2442.6	2378.0	2300.2	2285.9
57.5°	2565.6	2589.6	2617.0	2701.1	2863.5	3012.8	2863.5	2720.6	2598.2	2569.0
60°	2881.3	2911.0	2937.3	3061.4	3302.8	3512.6	3298.2	3071.1	2909.3	2869.8
62.5°	3220.4	3258.7	3277.0	3414.9	3696.2	3946.7	3700.2	3425.1	3245.6	3203.2
65°	3545.8	3577.3	3597.9	3744.8	4013.6	4264.7	4031.9	3760.9	3576.1	3520.7
67.5°	3697.4	3714.5	3764.9	3931.3	4214.9	4501.5	4263.0	3949.0	3742.6	3645.3
70°	3475.5	3440.6	3561.8	3828.3	4239.0	4646.7	4293.9	3820.3	3567.5	3409.7
72.5°	2685.7	2625.6	2836.1	3291.9	3964.5	4554.1	3991.9	3317.6	2967.0	2646.8
75°	1461.2	1393.2	1683.7	2260.2	3161.5	3947.3	3234.1	2324.8	1874.7	1450.4
77.5°	412.3	386.6	621.1	1093.5	1901.6	2771.5	1974.8	1117.5	736.6	436.9
80°	126.4	122.4	165.9	329.4	807.5	1327.4	776.1	333.4	211.0	133.3
82.5°	74.9	68.6	82.4	120.1	205.9	416.9	200.2	125.2	100.7	67.5
85°	42.9	40.0	48.6	58.3	69.2	88.6	57.8	59.5	53.8	36.0
87.5°	17.7	16.0	18.9	18.3	16.0	20.6	15.4	18.3	21.7	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1003.7
1000.3
987.7
974.0
967.7
967.7
971.7
979.1
986.5
990.0
993.4
1002.0
1021.4
1051.7
1100.3
1167.8
1251.9
1358.8
1485.2
1629.4
1802.6
2012.5
2263.6
2548.4
2835.5
3168.9
3493.2
3646.5
3447.4
2726.3
1544.7
485.5
140.7
73.2
37.7
13.2
0.0

OF REPORT)