

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: P527727

Luminaire Tested: **GLAN-SA2D-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8697 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

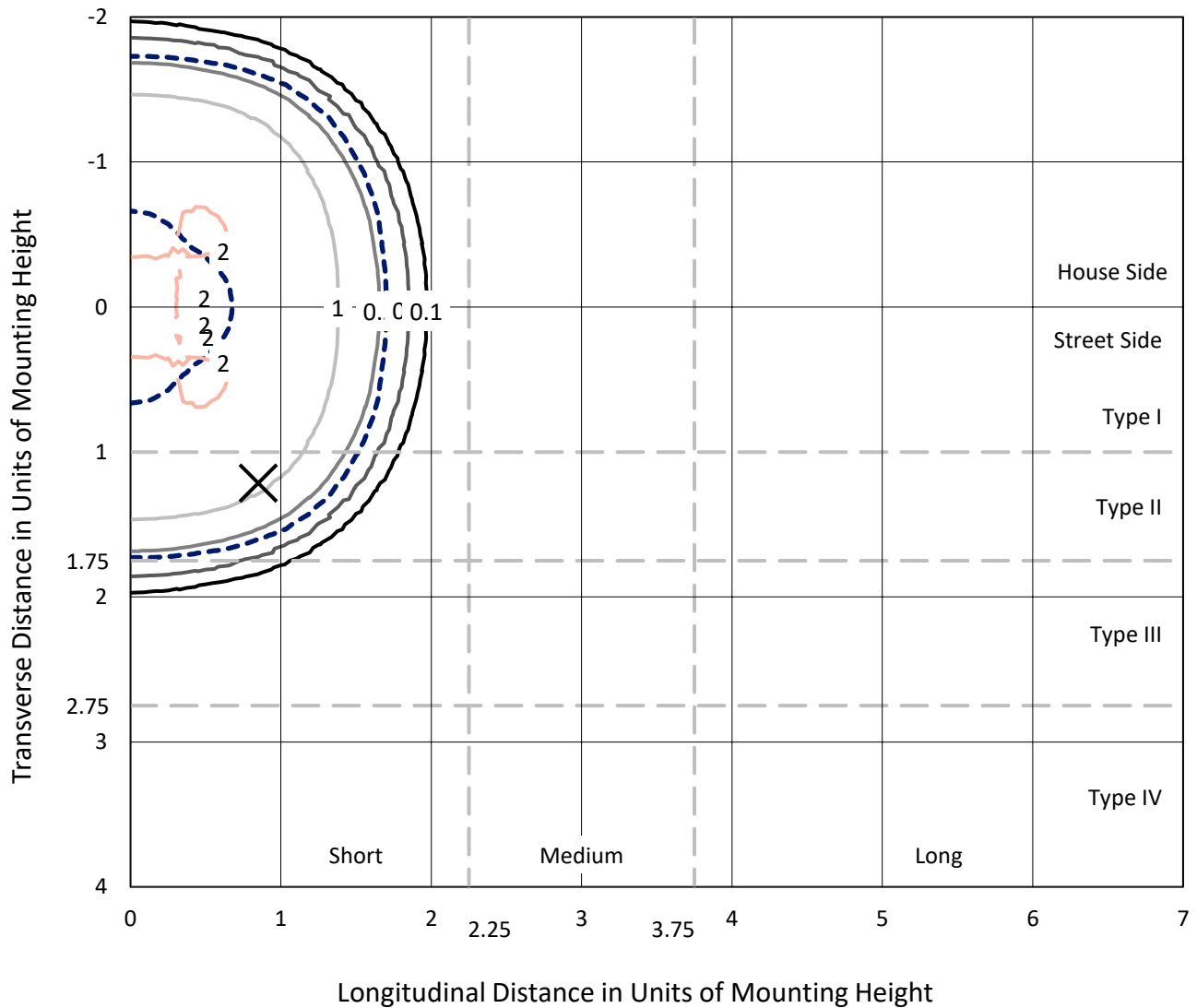
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527727
 CATALOG NUMBER: GLAN-SA2D-735-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

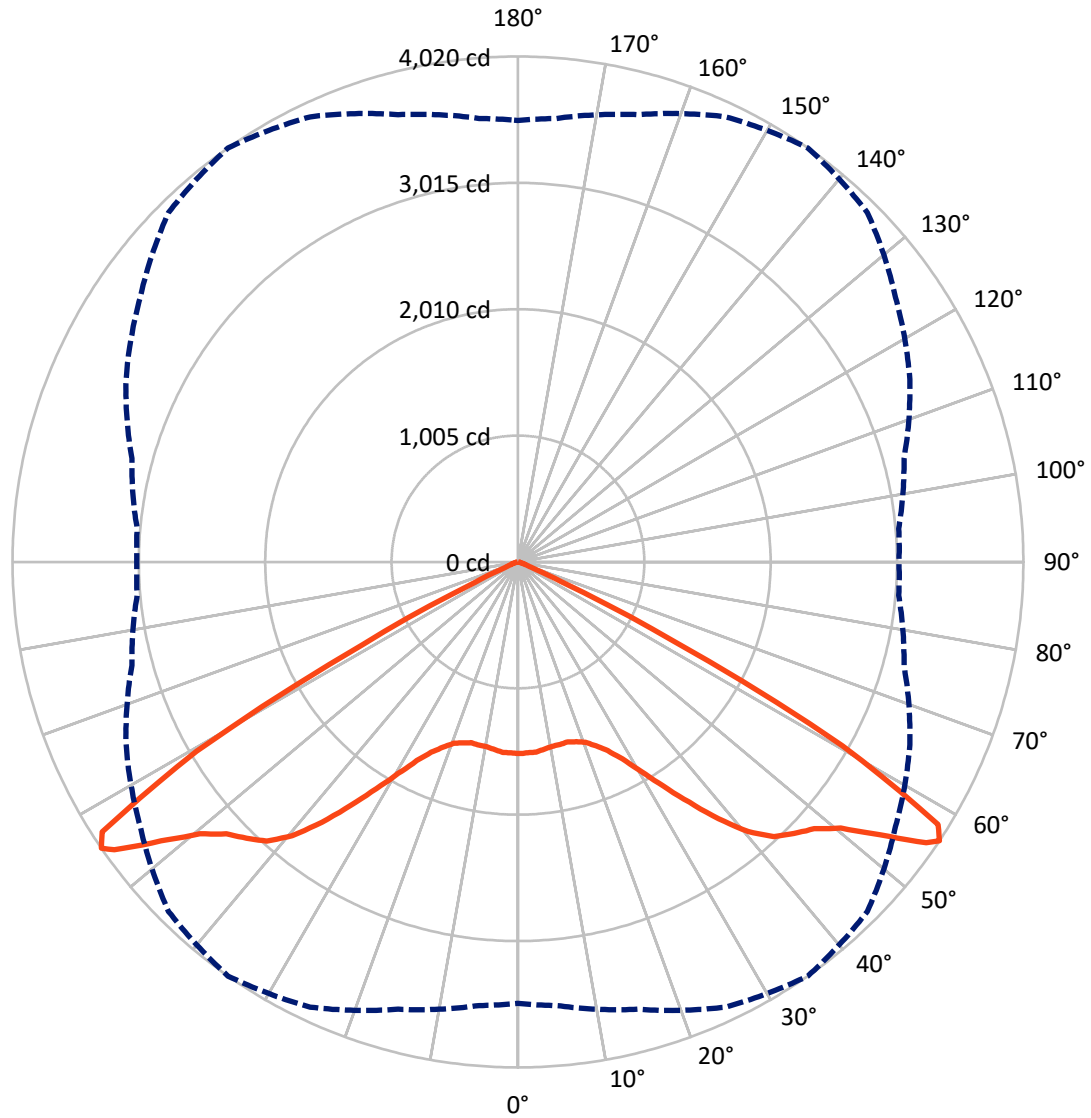
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

REPORT NUMBER: P527727
CATALOG NUMBER: GLAN-SA2D-735-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P527727
 CATALOG NUMBER: GLAN-SA2D-735-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4348.5	0.0	4348.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4348.5	0.0	4348.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8697.0	0.0	8697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.2	1.6
10°-20°	418.1	4.8
20°-30°	757.2	8.7
30°-40°	1404.1	16.1
40°-50°	2304.8	26.5
50°-60°	2969.2	34.1
60°-70°	654.4	7.5
70°-80°	38.0	0.4
80°-90°	8.0	0.1
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°	8697.0	100.0
0°-180°	8697.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527727

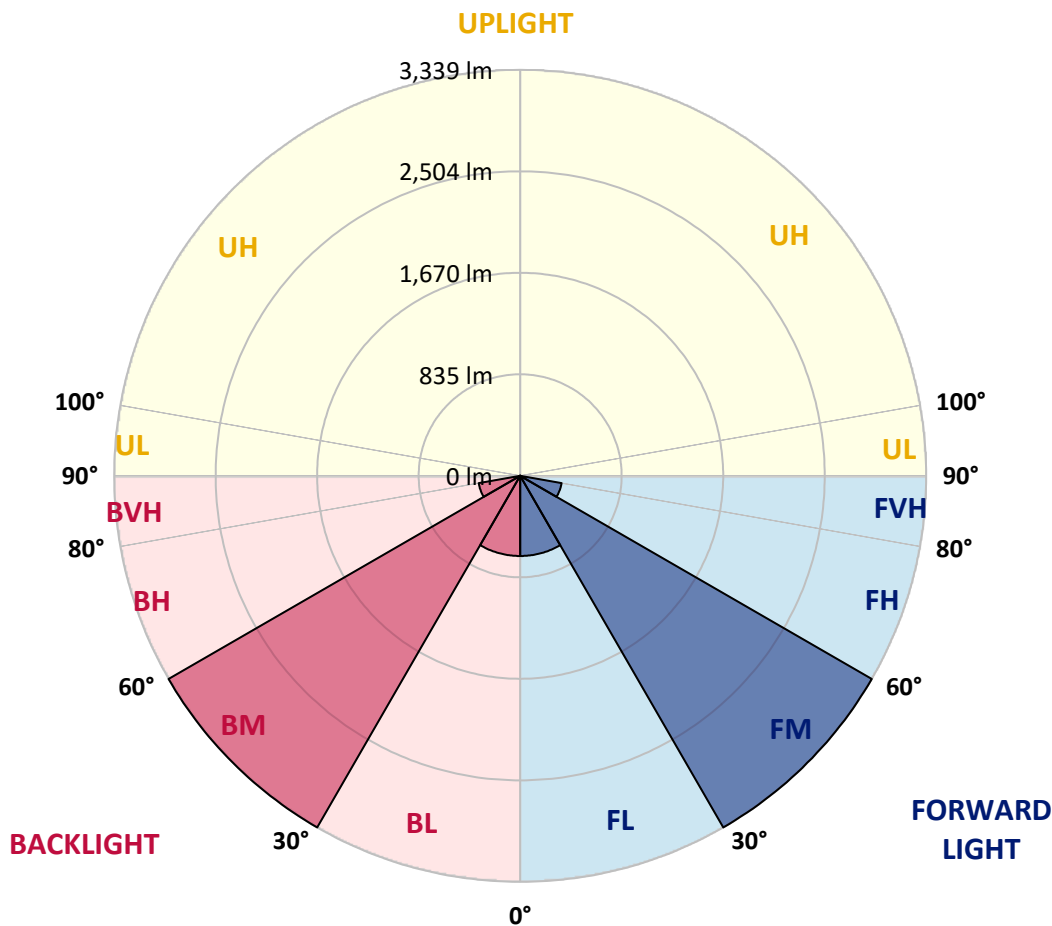
CATALOG NUMBER: GLAN-SA2D-735-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	659.3	7.6			
FM (30°-60°)	3339.0	38.4			
FH (60°-80°)	346.2	4.0			G0/660
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	659.3	7.6	B2/1000		
BM (30°-60°)	3339.0	38.4	B3/5000		
BH (60°-80°)	346.2	4.0	B1/500		G0/660
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P527727

CATALOG NUMBER: GLAN-SA2D-735-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9	1523.9
2.5°	1527.1	1527.1	1528.6	1530.2	1519.2	1514.4	1516.0	1512.9	1511.3	1516.0	1516.0
5°	1522.3	1522.3	1517.6	1519.2	1519.2	1505.0	1505.0	1508.1	1508.1	1498.7	1495.5
7.5°	1509.7	1506.6	1500.3	1508.1	1503.4	1503.4	1492.4	1484.5	1481.4	1487.7	1481.4
10°	1482.9	1484.5	1490.8	1494.0	1490.8	1500.3	1481.4	1470.3	1459.3	1454.6	1454.6
12.5°	1470.3	1479.8	1470.3	1478.2	1489.2	1481.4	1470.3	1462.4	1446.7	1440.4	1440.4
15°	1468.7	1475.0	1478.2	1489.2	1484.5	1487.7	1465.6	1456.1	1432.5	1421.5	1416.7
17.5°	1467.2	1475.0	1479.8	1500.3	1503.4	1505.0	1487.7	1459.3	1438.8	1427.8	1416.7
20°	1484.5	1487.7	1497.1	1517.6	1530.2	1552.3	1520.7	1490.8	1446.7	1434.1	1429.3
22.5°	1506.6	1522.3	1531.8	1553.8	1586.9	1605.8	1564.9	1527.1	1481.4	1465.6	1446.7
25°	1577.5	1574.3	1590.1	1635.8	1662.6	1676.8	1643.7	1588.5	1528.6	1509.7	1512.9
27.5°	1665.7	1668.9	1683.1	1733.5	1772.9	1795.0	1755.6	1683.1	1624.8	1593.2	1590.1
30°	1780.8	1777.6	1793.4	1861.1	1932.1	1965.2	1895.8	1810.7	1754.0	1713.0	1722.5
32.5°	1902.1	1903.7	1947.8	2009.3	2124.3	2188.9	2077.0	1973.0	1887.9	1859.6	1845.4
35°	2081.8	2089.7	2124.3	2218.9	2346.5	2430.0	2307.1	2182.6	2084.9	2032.9	2039.2
37.5°	2304.0	2296.1	2354.4	2456.8	2590.8	2652.3	2548.2	2406.4	2307.1	2272.5	2294.5
40°	2540.4	2548.2	2578.2	2671.2	2820.9	2861.8	2707.4	2630.2	2543.5	2526.2	2553.0
42.5°	2776.7	2772.0	2794.1	2877.6	2986.3	2958.0	2866.6	2820.9	2759.4	2724.7	2761.0
45°	2950.1	2942.2	2983.2	3039.9	3079.3	3025.7	2984.8	2969.0	2937.5	2899.7	2932.8
47.5°	3118.7	3112.4	3151.8	3167.6	3170.7	3099.8	3107.7	3136.1	3057.3	2978.5	3016.3
50°	3262.1	3251.1	3299.9	3334.6	3326.7	3213.3	3241.6	3213.3	3090.4	2997.4	2983.2
52.5°	3501.7	3506.4	3558.4	3621.4	3602.5	3508.0	3467.0	3337.8	3180.2	3096.7	3047.8
55°	3653.0	3629.3	3719.1	3919.3	3941.3	3843.6	3662.4	3471.7	3235.3	3132.9	3120.3
56°	3511.1	3541.1	3682.9	3906.7	4020.1	3930.3	3667.1	3438.6	3178.6	3039.9	3030.5
57.5°	3150.2	3134.5	3326.7	3632.5	3941.3	3903.5	3537.9	3202.2	2899.7	2743.7	2724.7
60°	1960.4	2006.1	2174.8	2553.0	2965.9	2984.8	2622.3	2333.9	1980.9	1842.2	1875.3
62.5°	767.5	728.1	833.7	1115.7	1399.4	1462.4	1325.3	1101.6	904.6	767.5	758.0
65°	178.1	173.3	195.4	269.5	376.6	436.5	414.5	297.8	219.1	208.0	192.3
67.5°	100.9	100.9	96.1	96.1	105.6	111.9	107.2	105.6	110.3	115.0	113.5
70°	70.9	69.3	66.2	67.8	64.6	64.6	69.3	77.2	83.5	83.5	85.1
72.5°	42.5	42.5	42.5	47.3	47.3	47.3	52.0	58.3	59.9	58.3	56.7
75°	18.9	18.9	22.1	26.8	29.9	31.5	36.2	39.4	42.5	39.4	36.2
77.5°	4.7	4.7	7.9	11.0	14.2	17.3	23.6	28.4	29.9	28.4	23.6
80°	1.6	1.6	3.2	7.9	14.2	17.3	23.6	25.2	26.8	23.6	18.9
82.5°	1.6	1.6	3.2	7.9	11.0	14.2	18.9	22.1	23.6	20.5	18.9
85°	0.0	1.6	3.2	6.3	9.5	12.6	12.6	9.5	7.9	4.7	6.3
87.5°	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)