

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: P531602

Luminaire Tested: **GLAN-SA6D-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531602  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6D-830-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32175 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 368  
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

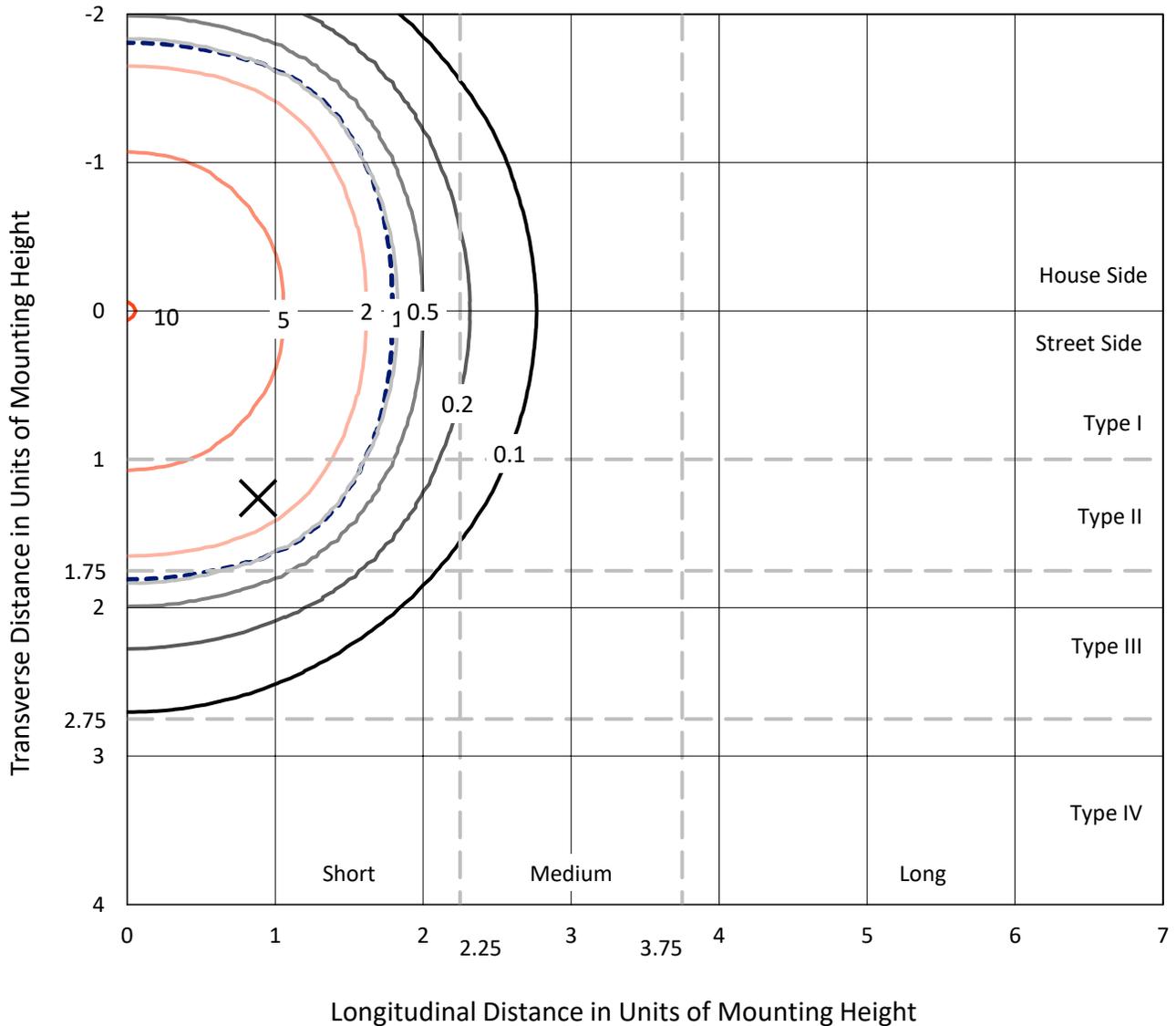




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### Iso-Footcandle Lines of Horizontal Illumination

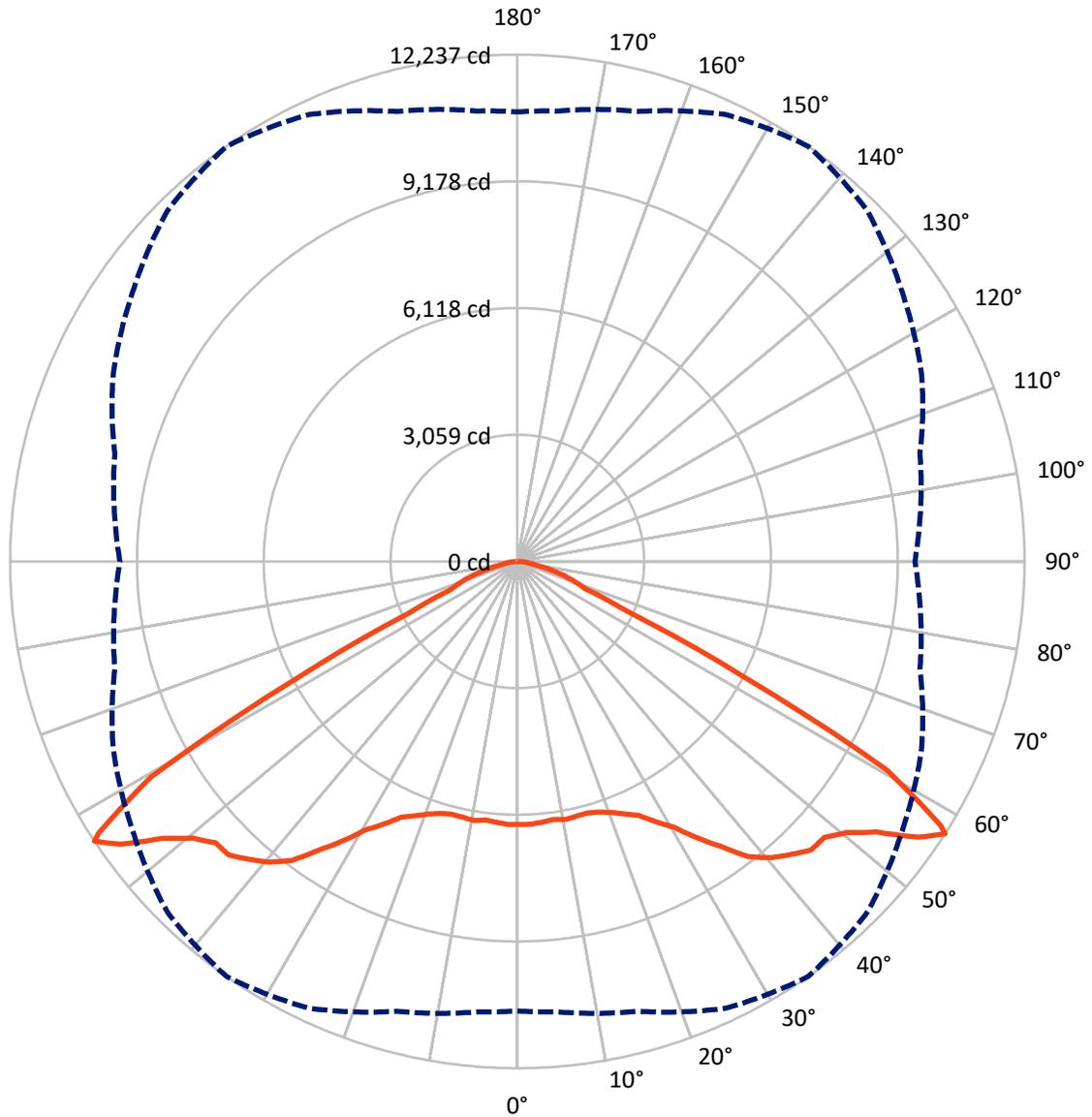
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 57-Deg Vertical

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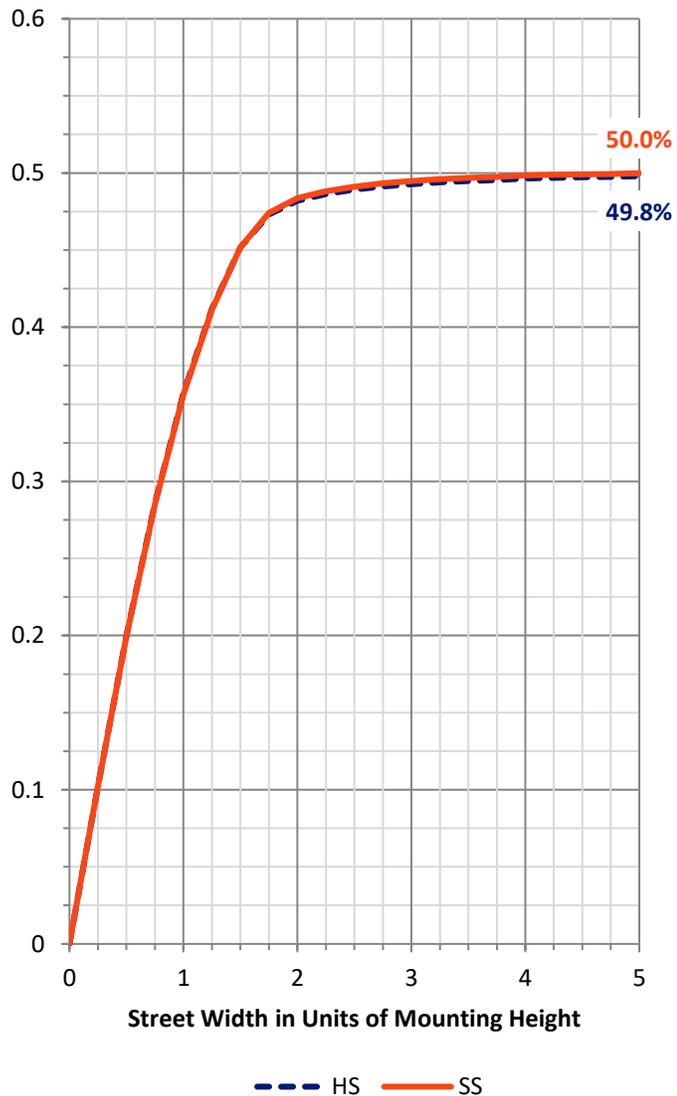
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16087.5	0.0	16087.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16087.5	0.0	16087.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32175.0	0.0	32175.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	602.4	1.9
10°-20°	1784.2	5.5
20°-30°	3116.0	9.7
30°-40°	5105.7	15.9
40°-50°	7486.2	23.3
50°-60°	9429.5	29.3
60°-70°	3546.3	11.0
70°-80°	942.9	2.9
80°-90°	161.7	0.5
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°	32175.0	100.0
0°-180°	32175.0	100.0

**Coefficient of Utilization**

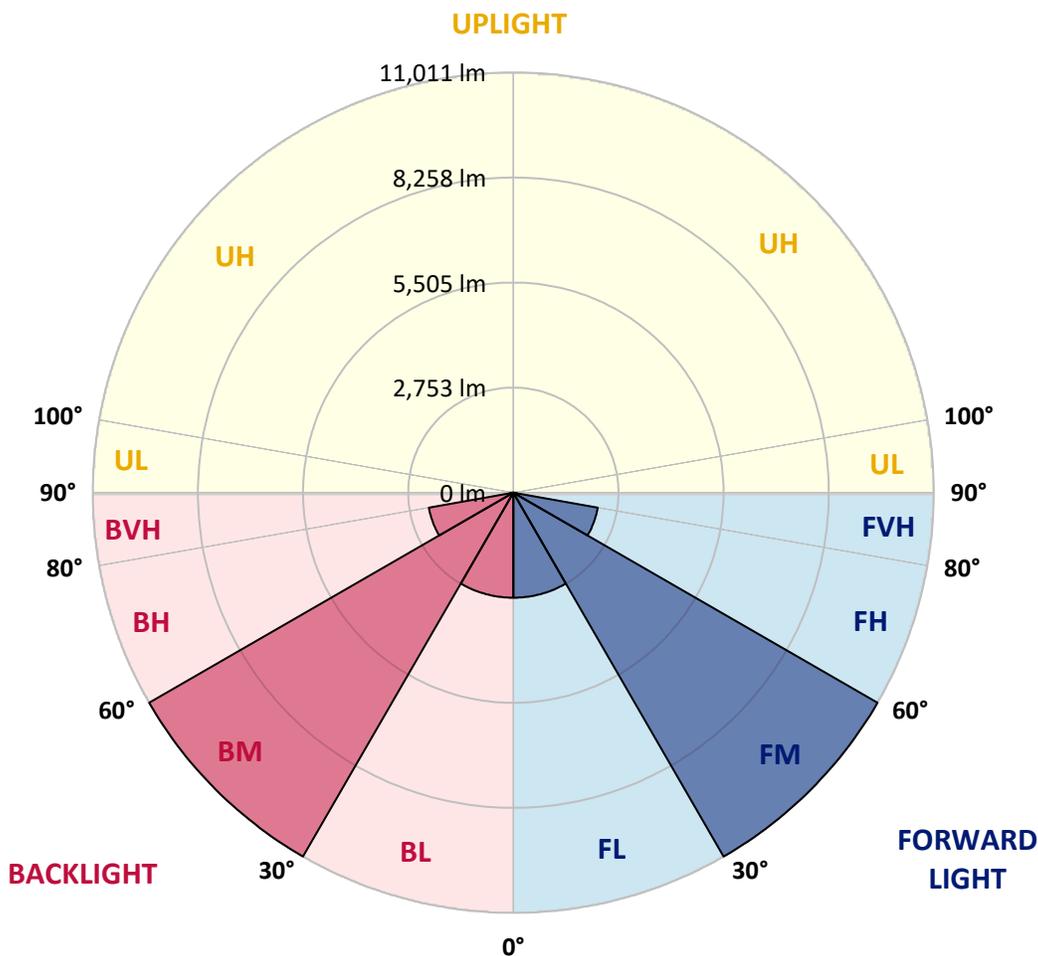


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2751.3	8.6			
FM (30°-60°)	11010.7	34.2			
FH (60°-80°)	2244.6	7.0			G2/5000
FVH (80°-90°)	80.8	0.3			G1/100
BL (0°-30°)	2751.3	8.6	B4/5000		
BM (30°-60°)	11010.7	34.2	B5		
BH (60°-80°)	2244.6	7.0	B3/2500		G2/5000
BVH (80°-90°)	80.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6354.3	6354.3	6354.3	6354.3	6354.3	6354.3	6354.3	6354.3	6354.3	6354.3	6354.3
2.5°	6322.6	6386.0	6358.3	6342.4	6354.3	6334.5	6302.8	6338.5	6330.5	6298.8	6286.9
5°	6306.8	6354.3	6322.6	6354.3	6322.6	6378.1	6362.3	6302.8	6374.1	6306.8	6330.5
7.5°	6294.9	6310.7	6318.6	6302.8	6290.9	6358.3	6322.6	6294.9	6255.2	6243.3	6263.2
10°	6267.1	6306.8	6247.3	6326.6	6342.4	6294.9	6294.9	6243.3	6211.6	6191.8	6259.2
12.5°	6338.5	6271.1	6263.2	6302.8	6314.7	6334.5	6279.0	6251.3	6191.8	6199.7	6187.8
15°	6255.2	6283.0	6286.9	6294.9	6306.8	6354.3	6302.8	6243.3	6219.5	6136.3	6144.2
17.5°	6286.9	6259.2	6286.9	6378.1	6362.3	6397.9	6342.4	6251.3	6195.8	6148.2	6211.6
20°	6342.4	6330.5	6342.4	6453.4	6473.2	6505.0	6457.4	6374.1	6267.1	6211.6	6243.3
22.5°	6401.9	6394.0	6401.9	6508.9	6623.9	6663.5	6616.0	6421.7	6366.2	6263.2	6227.5
25°	6508.9	6516.9	6600.1	6719.0	6794.3	6869.6	6782.4	6643.7	6465.3	6401.9	6326.6
27.5°	6746.8	6766.6	6814.2	6988.6	7119.4	7186.8	7063.9	6873.6	6762.6	6631.8	6612.0
30°	7040.1	7040.1	7123.3	7274.0	7452.4	7555.4	7404.8	7178.8	7044.1	6972.7	6929.1
32.5°	7428.6	7385.0	7416.7	7682.3	7959.8	8047.0	7844.8	7567.3	7353.3	7258.1	7226.4
35°	7761.6	7789.3	7860.7	8146.1	8455.3	8657.4	8340.3	7979.6	7761.6	7674.3	7658.5
37.5°	8193.6	8241.2	8276.9	8669.3	9041.9	9117.2	8812.0	8522.6	8257.1	8185.7	8146.1
40°	8804.1	8772.4	8784.3	9073.6	9410.6	9458.2	9156.9	8950.8	8732.7	8689.1	8689.1
42.5°	9307.5	9271.8	9311.5	9418.5	9676.2	9640.5	9474.0	9323.4	9232.2	9184.6	9232.2
45°	9612.8	9604.8	9676.2	9755.5	9937.8	9818.9	9688.1	9711.9	9624.6	9545.4	9541.4
47.5°	9945.7	9894.2	9981.4	10100.3	9961.6	9906.1	9898.2	9949.7	9921.9	9783.2	9739.6
50°	10108.3	10088.4	10227.2	10365.9	10290.6	10163.7	10191.5	10274.7	9918.0	9731.7	9624.6
52.5°	10544.3	10548.3	10813.8	10889.2	10857.5	10671.1	10730.6	10504.7	10084.5	9822.8	9834.7
55°	11230.1	11202.3	11499.6	11721.6	11757.3	11519.4	11234.0	10916.9	10389.7	10124.1	10044.8
57°	10853.5	10916.9	11245.9	11904.0	12236.9	11955.5	11333.1	10754.4	10052.8	9731.7	9589.0
57.5°	10350.1	10453.1	11023.9	11685.9	12034.8	12011.0	11210.3	10453.1	9826.8	9327.3	9339.2
60°	7583.2	7603.0	8118.3	9168.8	10258.9	10282.7	9307.5	8304.6	7607.0	7063.9	7139.2
62.5°	3999.7	4090.9	4297.0	5141.3	6084.8	6314.7	5724.0	5208.7	4606.2	4193.9	4233.6
65°	2116.8	2104.9	2204.0	2441.8	2905.6	3024.5	2945.3	2537.0	2326.9	2259.5	2263.5
67.5°	1720.4	1740.2	1728.3	1740.2	1771.9	1823.4	1811.6	1827.4	1839.3	1859.1	1855.2
70°	1458.8	1458.8	1466.7	1470.7	1470.7	1494.4	1522.2	1573.7	1577.7	1597.5	1605.4
72.5°	1149.6	1141.6	1153.5	1181.3	1185.2	1205.1	1244.7	1276.4	1288.3	1288.3	1264.5
75°	780.9	788.8	804.7	828.5	852.3	887.9	919.7	939.5	947.4	935.5	923.6
77.5°	440.0	447.9	459.8	495.5	523.3	555.0	590.6	610.5	630.3	634.2	610.5
80°	261.6	261.6	281.4	309.2	340.9	372.6	404.3	428.1	436.0	436.0	424.2
82.5°	158.6	162.5	178.4	206.1	233.9	253.7	281.4	301.3	317.1	313.2	305.2
85°	83.2	83.2	99.1	122.9	142.7	162.5	162.5	150.6	142.7	122.9	115.0
87.5°	27.7	23.8	31.7	31.7	27.7	31.7	31.7	35.7	35.7	35.7	35.7
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)