

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P640109

Luminaire Tested: GWS-SA5D-730-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-730-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14396.1 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

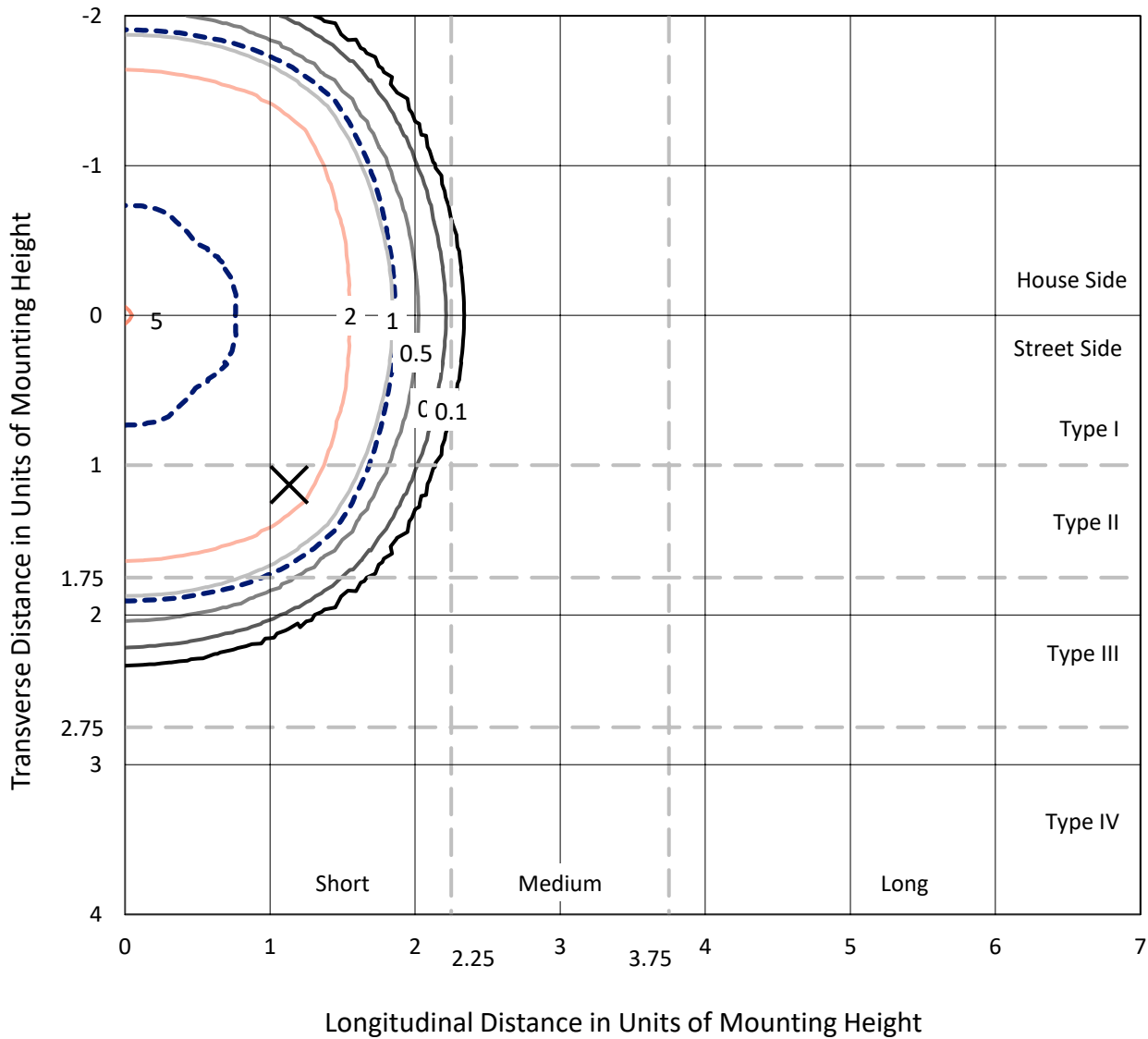
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640109
 CATALOG NUMBER: GWS-SA5D-730-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

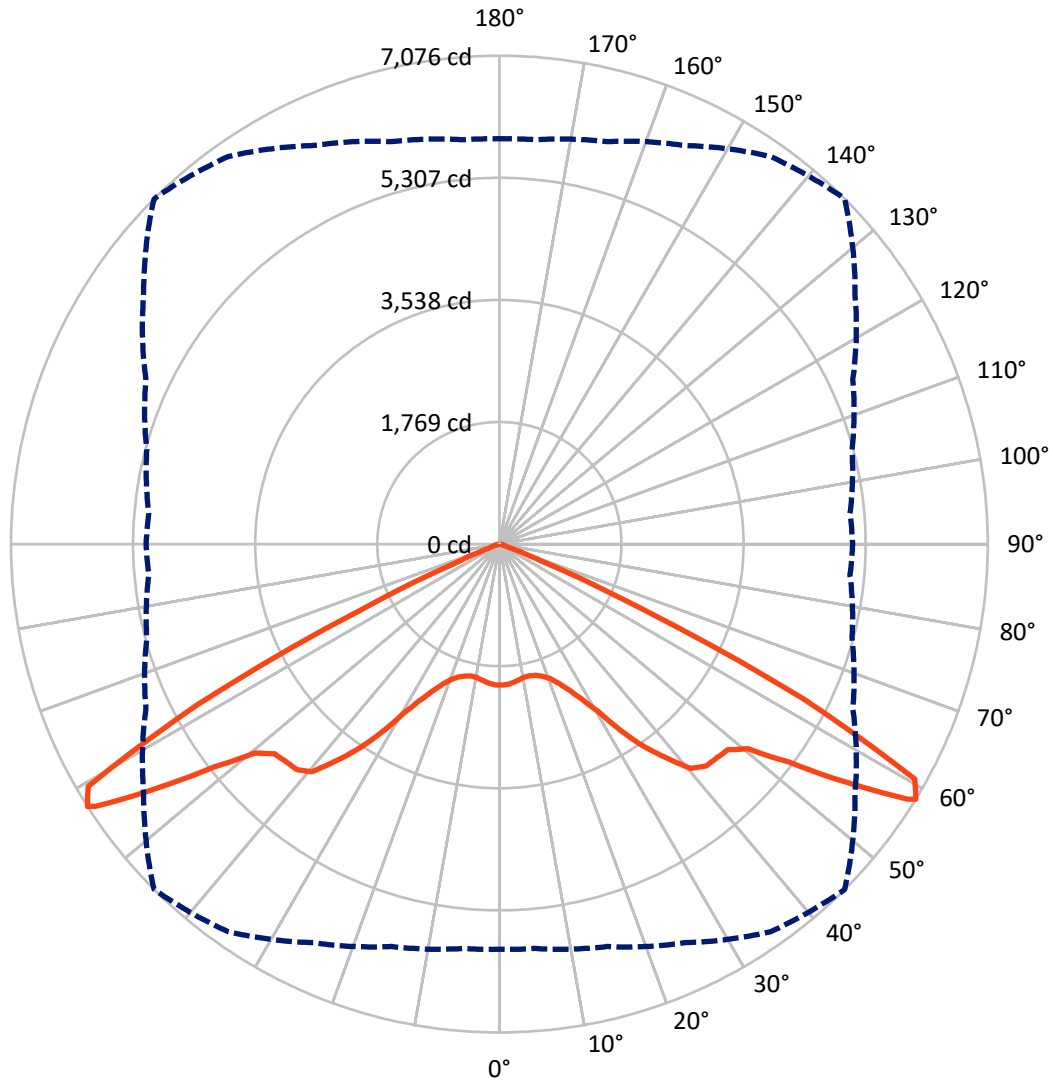
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

REPORT NUMBER: P640109
CATALOG NUMBER: GWS-SA5D-730-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P640109

CATALOG NUMBER: GWS-SA5D-730-U-5WQ-W-GRSBK

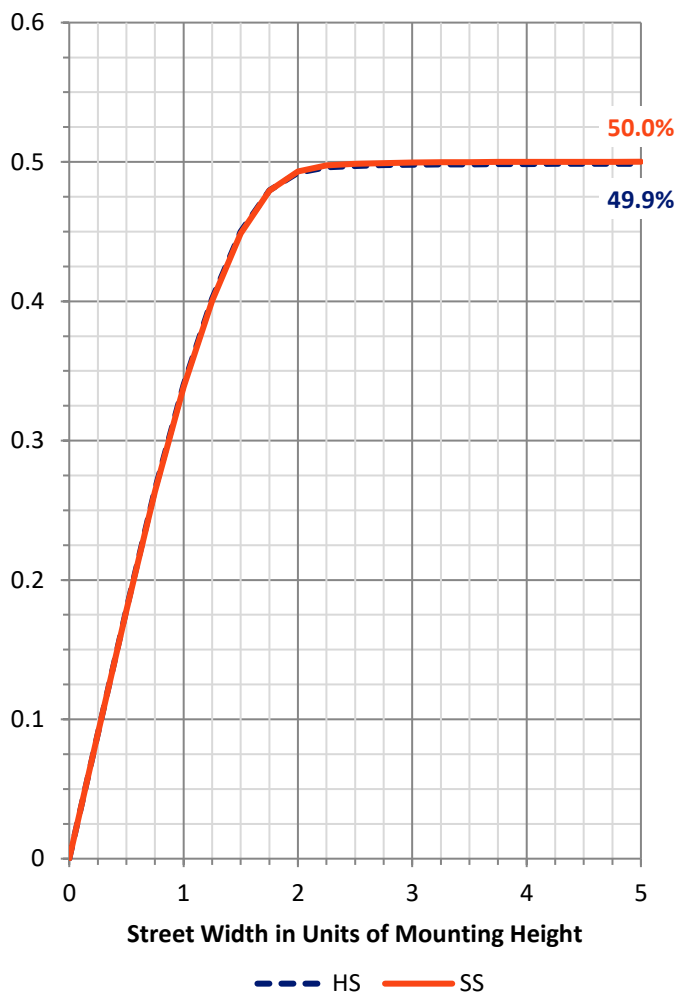
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7198.1	0.0	7198.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7198.1	0.0	7198.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14396.1	0.0	14396.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	1.3
10°-20°	563.6	3.9
20°-30°	1066.0	7.4
30°-40°	2102.3	14.6
40°-50°	3326.9	23.1
50°-60°	4890.3	34.0
60°-70°	2182.8	15.2
70°-80°	73.1	0.5
80°-90°	0.6	0.0
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°	14396.1	100.0
0°-180°	14396.1	100.0

Coefficient of Utilization



REPORT NUMBER: P640109

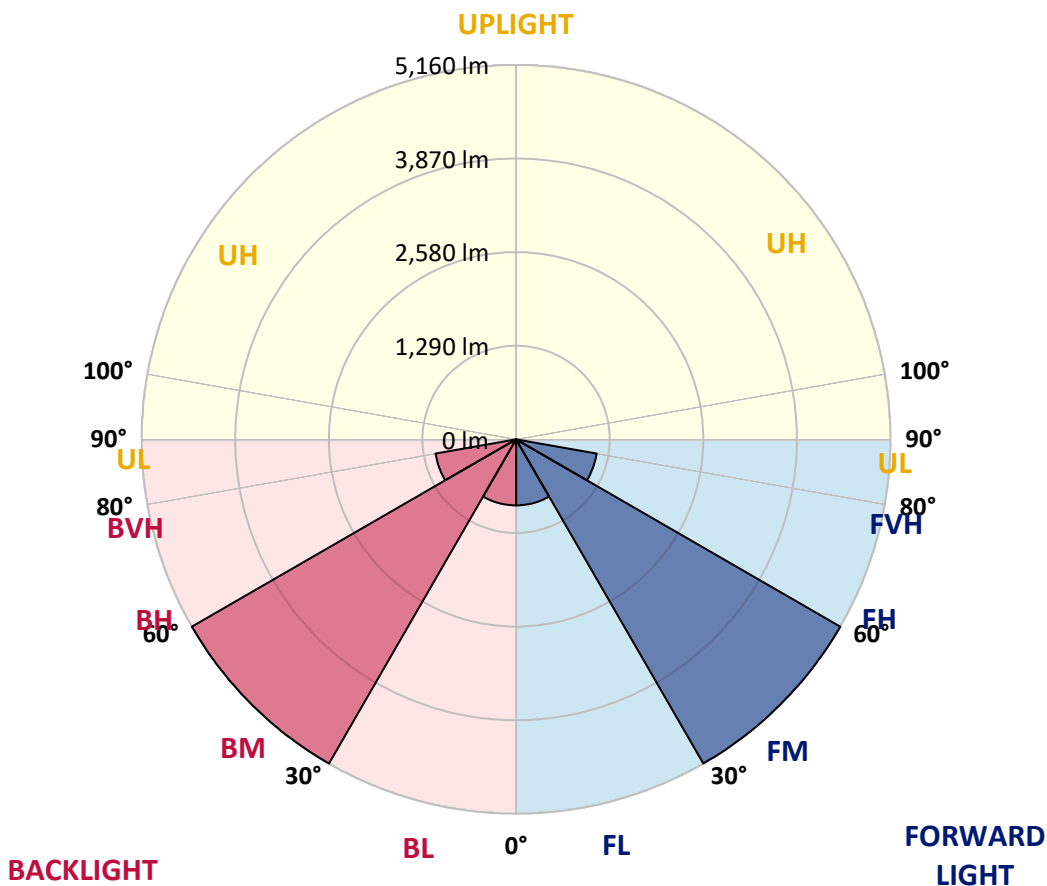
CATALOG NUMBER: GWS-SA5D-730-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.0	6.3			
FM (30°-60°)	5159.7	35.8			
FH (60°-80°)	1128.0	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	910.0	6.3	B2/1000		
BM (30°-60°)	5159.7	35.8	B4/8500		
BH (60°-80°)	1128.0	7.8	B3/2500		G1/1800
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





REPORT NUMBER: P640109
 CATALOG NUMBER: GWS-SA5D-730-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2041.6	2041.6	2041.6	2041.6	2041.6	2041.6	2041.6	2041.6	2041.6	2041.6	2041.6
2.5°	2021.9	2025.9	2029.8	2031.8	2033.7	2039.6	2041.6	2035.7	2035.7	2023.9	2037.6
5°	2012.1	2016.1	2020.0	2018.0	2018.0	2018.0	2016.1	2008.2	2006.3	1994.5	2008.2
7.5°	1994.5	1998.4	1998.4	1992.5	1988.6	1988.6	1986.6	1976.8	1974.9	1963.1	1976.8
10°	1980.8	1982.7	1980.8	1969.0	1961.2	1961.2	1959.2	1955.3	1957.2	1949.4	1961.2
12.5°	1988.6	1990.6	1982.7	1967.0	1957.2	1955.3	1949.4	1943.5	1949.4	1947.4	1959.2
15°	2014.1	2016.1	2002.3	1982.7	1974.9	1974.9	1959.2	1943.5	1951.3	1953.3	1967.0
17.5°	2045.5	2045.5	2027.8	2010.2	2012.1	2012.1	1986.6	1959.2	1961.2	1969.0	1982.7
20°	2082.7	2082.7	2065.1	2061.2	2074.9	2076.9	2045.5	2002.3	1992.5	1998.4	2014.1
22.5°	2149.4	2149.4	2135.7	2145.5	2176.9	2186.7	2139.6	2078.8	2055.3	2059.2	2074.9
25°	2253.4	2253.4	2249.4	2273.0	2318.1	2339.7	2276.9	2196.5	2157.3	2151.4	2169.0
27.5°	2427.9	2429.9	2424.0	2459.3	2516.2	2541.7	2455.4	2349.5	2302.4	2292.6	2310.2
30°	2653.4	2653.4	2655.4	2704.4	2779.0	2812.3	2698.5	2575.0	2520.1	2488.7	2512.2
32.5°	2904.5	2908.4	2928.0	3010.4	3141.8	3210.4	3043.7	2871.1	2782.9	2749.5	2775.0
35°	3318.3	3281.0	3257.5	3318.3	3508.5	3598.7	3384.9	3182.9	3116.3	3112.3	3177.1
37.5°	3728.1	3706.6	3657.5	3720.3	3890.9	3932.1	3696.8	3528.1	3481.0	3506.5	3571.3
40°	4053.7	4014.5	3949.8	4008.6	4232.2	4273.3	3983.1	3816.4	3798.8	3855.6	3943.9
42.5°	4310.6	4255.7	4169.4	4183.1	4363.6	4393.0	4136.1	4010.6	4022.3	4092.9	4192.9
45°	4426.3	4383.2	4306.7	4300.8	4414.6	4416.5	4214.5	4149.8	4181.2	4236.1	4314.5
47.5°	4475.3	4455.7	4412.6	4402.8	4467.5	4451.8	4326.3	4298.8	4328.3	4344.0	4389.1
50°	4596.9	4596.9	4602.8	4610.7	4677.3	4661.7	4573.4	4542.0	4504.8	4449.9	4463.6
52.5°	4938.2	4951.9	5008.8	5071.5	5193.1	5244.1	5101.0	4918.6	4740.1	4620.5	4620.5
55°	5554.0	5567.7	5634.4	5740.3	5963.9	6085.5	5752.1	5350.0	5104.9	4942.1	4963.7
57.5°	5893.3	5908.9	6046.2	6332.6	6766.0	6971.9	6256.1	5659.9	5316.7	5130.4	5146.1
58°	5871.7	5881.5	6036.4	6371.8	6854.2	7075.8	6291.4	5650.1	5289.2	5099.0	5118.6
60°	5216.7	5202.9	5450.0	5928.6	6609.1	6915.0	5940.3	5157.8	4738.1	4544.0	4553.8
62.5°	3410.4	3418.3	3632.1	4132.1	4661.7	4949.9	4149.8	3567.3	3230.0	3112.3	3082.9
65°	1423.8	1398.3	1529.7	1808.2	2125.9	2286.7	1965.1	1663.1	1455.2	1376.7	1398.3
67.5°	366.7	356.9	364.8	456.9	558.9	660.9	555.0	423.6	368.7	372.6	372.6
70°	207.9	196.1	158.9	147.1	143.2	143.2	143.2	143.2	164.7	194.2	200.0
72.5°	156.9	147.1	115.7	100.0	88.3	82.4	86.3	100.0	119.6	145.1	149.0
75°	78.4	78.4	70.6	66.7	58.8	54.9	56.9	62.8	72.6	82.4	80.4
77.5°	15.7	17.7	19.6	23.5	19.6	19.6	19.6	23.5	23.5	25.5	23.5
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	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)