

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: P640111

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
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
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27733.2 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

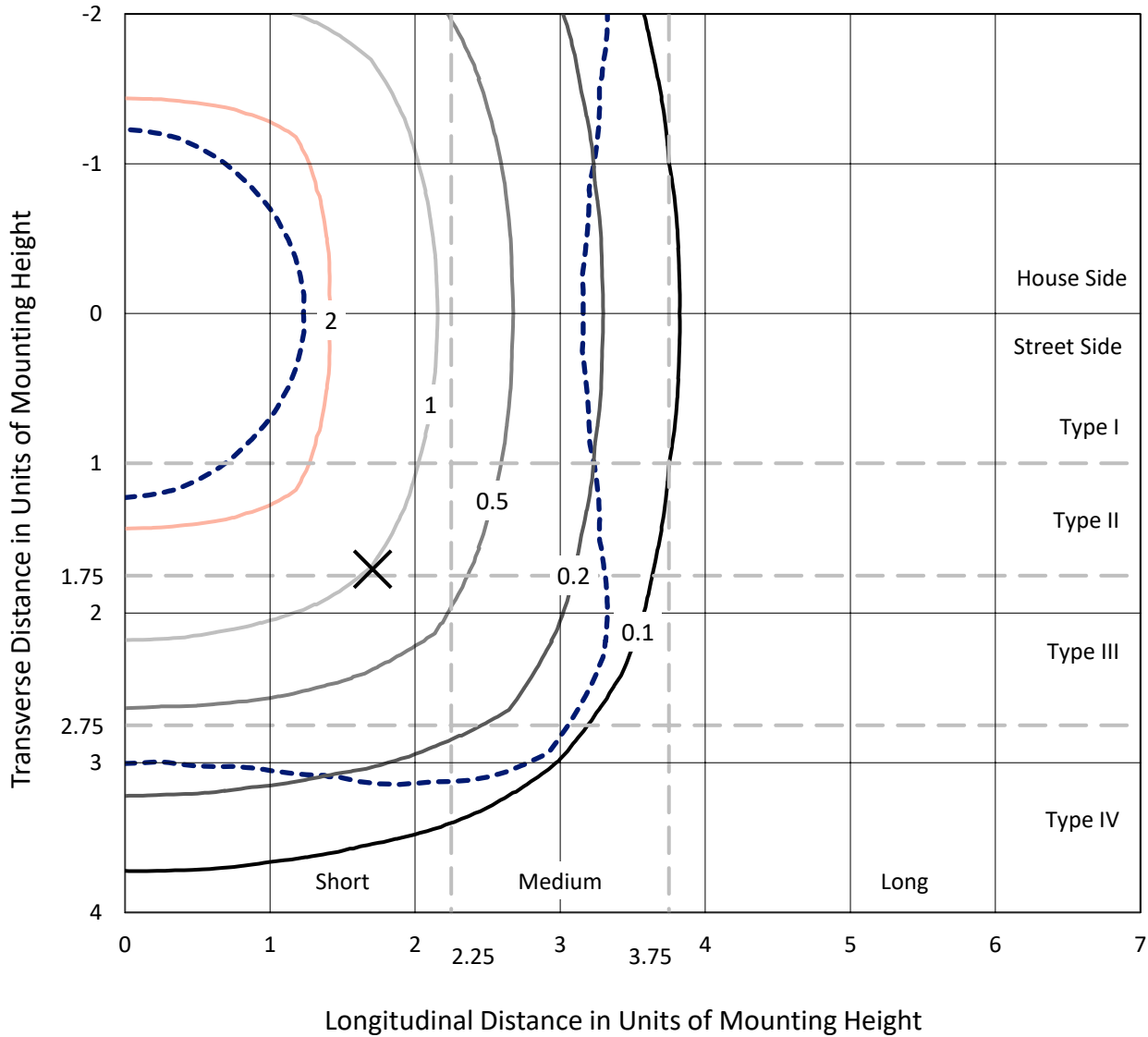
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

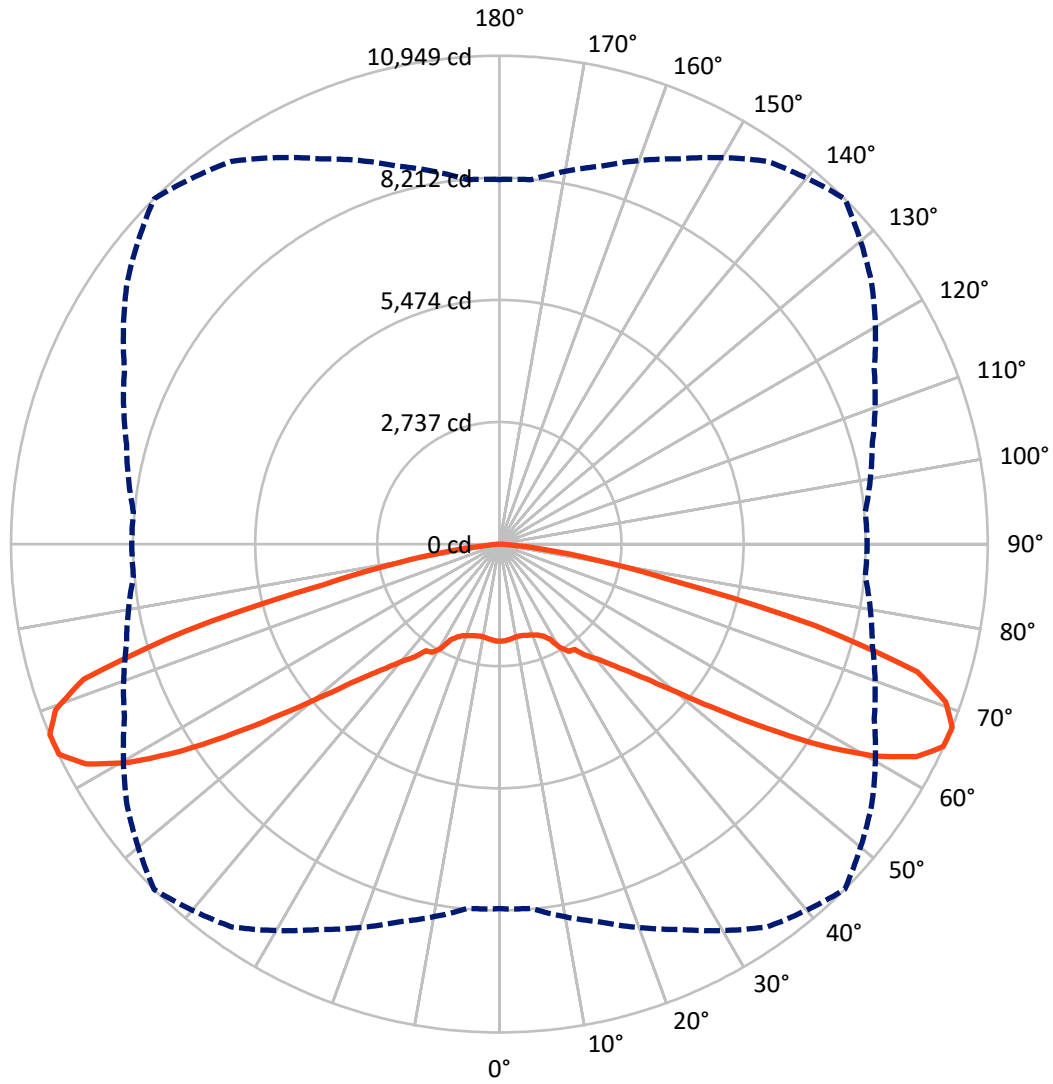
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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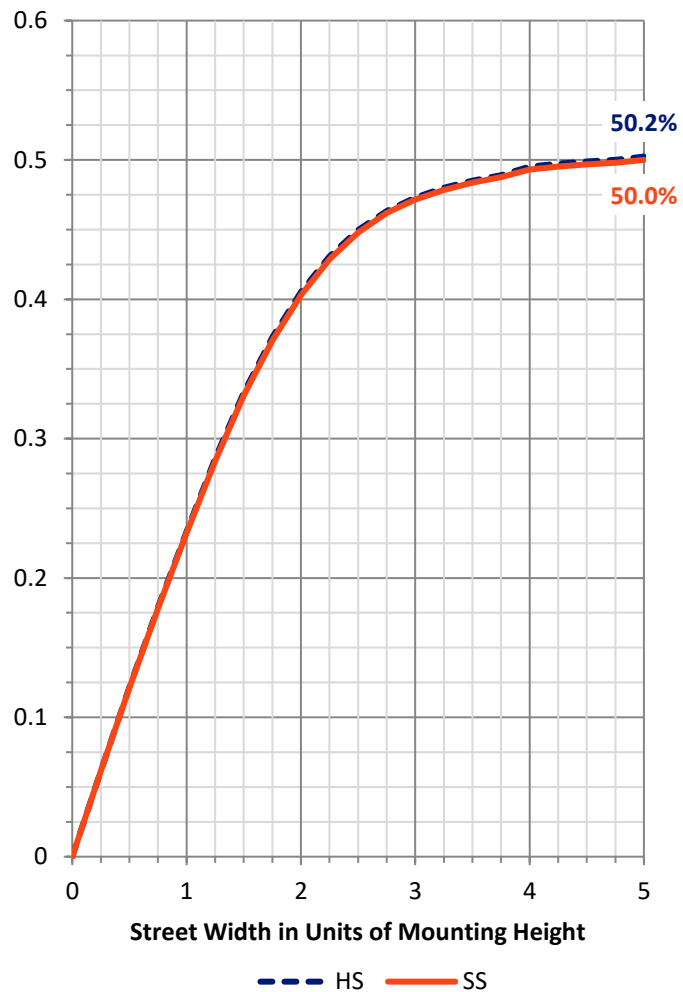
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13866.6	0.0	13866.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13866.6	0.0	13866.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27733.2	0.0	27733.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	0.7
10°-20°	606.0	2.2
20°-30°	1087.0	3.9
30°-40°	1836.3	6.6
40°-50°	3226.4	11.6
50°-60°	6223.9	22.4
60°-70°	9030.1	32.6
70°-80°	5166.6	18.6
80°-90°	352.6	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°	27733.2	100.0
0°-180°	27733.2	100.0

Coefficient of Utilization



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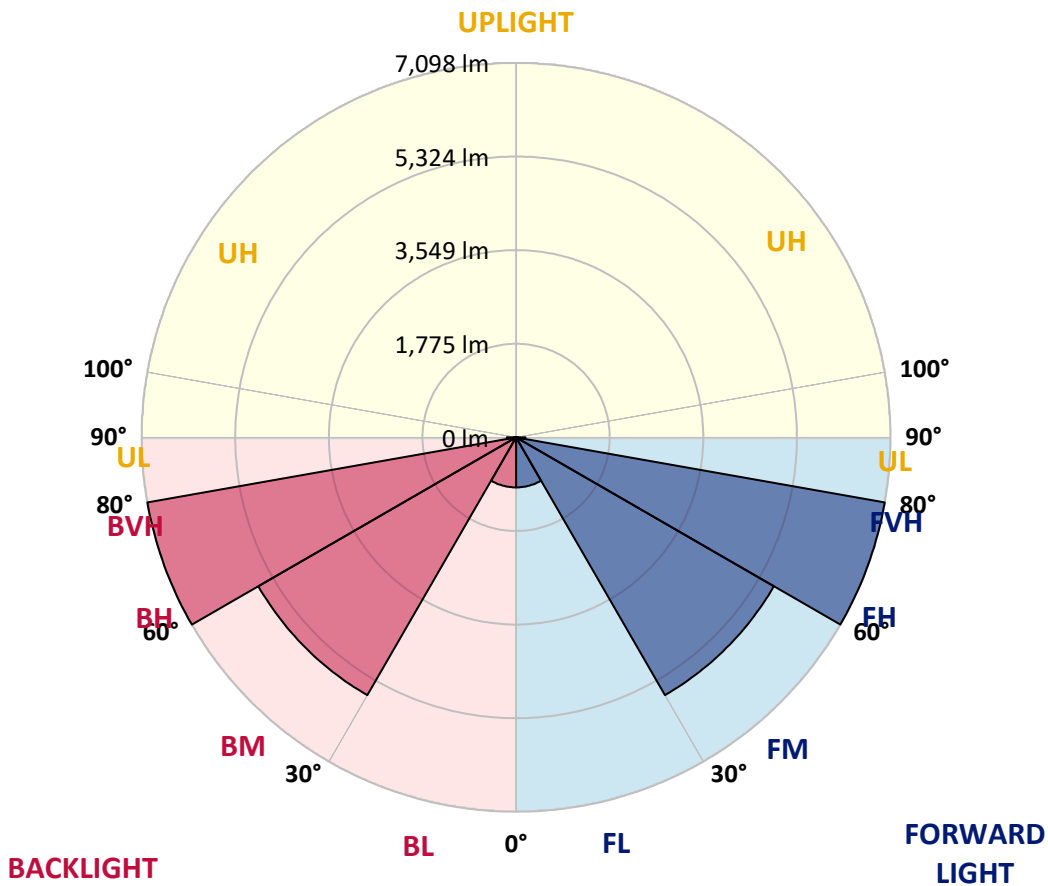
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.6	3.4			
FM (30°-60°)	5643.3	20.3			
FH (60°-80°)	7098.3	25.6			G3/7500
FVH (80°-90°)	176.3	0.6			G2/225
BL (0°-30°)	948.6	3.4	B2/1000		
BM (30°-60°)	5643.3	20.3	B4/8500		
BH (60°-80°)	7098.3	25.6	B5		G3/7500
BVH (80°-90°)	176.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2174.8	2174.8	2174.8	2174.8	2174.8	2174.8	2174.8	2174.8	2174.8	2174.8	2174.8
2.5°	2157.2	2159.2	2163.1	2163.1	2167.0	2172.9	2174.8	2170.9	2172.9	2163.1	2172.9
5°	2151.3	2153.3	2155.2	2151.3	2151.3	2153.3	2153.3	2149.4	2151.3	2141.5	2151.3
7.5°	2137.6	2139.5	2139.5	2133.7	2127.8	2131.7	2131.7	2127.8	2129.7	2119.9	2131.7
10°	2125.8	2125.8	2123.9	2112.1	2106.2	2112.1	2114.1	2116.0	2123.9	2116.0	2129.7
12.5°	2133.7	2133.7	2127.8	2112.1	2102.3	2106.2	2110.1	2114.1	2127.8	2125.8	2141.5
15°	2155.2	2157.2	2141.5	2123.9	2118.0	2123.9	2119.9	2118.0	2135.6	2141.5	2159.2
17.5°	2172.9	2172.9	2153.3	2135.6	2137.6	2147.4	2139.5	2129.7	2147.4	2159.2	2178.8
20°	2188.6	2186.6	2165.0	2153.3	2161.1	2174.8	2169.0	2155.2	2167.0	2180.7	2198.4
22.5°	2227.8	2225.8	2202.3	2196.4	2204.3	2218.0	2212.1	2200.3	2214.1	2233.7	2255.3
25°	2339.6	2335.7	2300.4	2280.7	2276.8	2286.6	2284.7	2280.7	2302.3	2325.9	2351.3
27.5°	2488.6	2486.7	2461.2	2441.6	2416.1	2408.2	2414.1	2431.8	2463.1	2480.8	2502.4
30°	2563.1	2563.1	2559.2	2590.6	2645.5	2698.5	2657.3	2590.6	2563.1	2555.3	2576.9
32.5°	2661.2	2671.0	2657.3	2692.6	2784.7	2863.2	2784.7	2676.9	2657.3	2657.3	2680.8
35°	2886.7	2890.6	2869.1	2863.2	2892.6	2902.4	2865.2	2825.9	2847.5	2851.4	2880.8
37.5°	3067.1	3067.1	3057.3	3073.0	3133.8	3171.1	3110.3	3039.7	3045.6	3049.5	3086.8
40°	3345.6	3353.5	3329.9	3328.0	3351.5	3384.8	3320.1	3275.0	3306.4	3316.2	3373.1
42.5°	3692.7	3692.7	3657.4	3647.6	3663.3	3698.6	3637.8	3608.4	3649.6	3657.4	3690.8
45°	4106.5	4116.3	4069.3	4051.6	4059.5	4071.2	4028.1	4014.4	4053.6	4071.2	4130.1
47.5°	4610.5	4620.3	4579.1	4577.2	4569.3	4577.2	4536.0	4528.2	4559.5	4545.8	4608.6
50°	5232.2	5249.8	5214.5	5263.6	5257.7	5281.2	5224.3	5183.2	5183.2	5145.9	5181.2
52.5°	5928.4	5963.7	5981.3	6063.7	6126.4	6185.3	6091.1	6026.4	5932.3	5855.8	5951.9
55°	6687.3	6677.5	6789.3	6969.7	7154.1	7293.3	7109.0	6905.0	6752.0	6593.2	6630.4
57.5°	7352.1	7385.5	7532.5	7862.0	8226.8	8520.9	8189.5	7797.3	7450.2	7222.7	7254.1
60°	7905.2	7932.6	8128.7	8603.3	9240.7	9646.6	9121.0	8473.9	7969.9	7656.1	7689.4
62.5°	8415.0	8440.5	8638.6	9162.2	9966.3	10495.8	9817.2	8932.8	8371.9	8056.2	8075.8
65°	8709.2	8724.9	8995.5	9546.6	10393.8	10940.9	10176.1	9264.2	8713.1	8391.5	8403.3
67.5°	8173.8	8199.3	8770.0	9530.9	10476.1	10948.8	10191.8	9274.0	8654.3	8234.6	8244.4
70°	6448.1	6426.5	7107.0	8415.0	10003.5	10619.3	9738.8	8577.8	7620.8	7034.4	7024.6
72.5°	4916.5	4922.3	5300.8	6197.0	8156.2	9799.6	8593.5	6907.0	5875.4	5430.3	5412.6
75°	3565.3	3620.2	3928.1	4585.0	5704.8	7324.7	6469.6	5118.4	4428.1	4161.4	4122.2
77.5°	1606.1	1676.7	2106.2	2878.9	3814.3	4047.7	4063.4	3475.1	2622.0	2178.8	2110.1
80°	468.7	502.0	645.2	1104.1	1776.7	2296.4	1823.8	1533.6	955.1	749.1	713.8
82.5°	198.1	225.5	276.5	305.9	515.8	1064.9	662.8	421.6	392.2	317.7	290.2
85°	84.3	90.2	115.7	123.5	166.7	227.5	209.8	190.2	182.4	141.2	129.4
87.5°	35.3	35.3	35.3	31.4	29.4	31.4	43.1	54.9	72.6	56.9	52.9
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)