

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: P640329

Luminaire Tested: GWS-SA5D-760-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640329
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15949.8 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

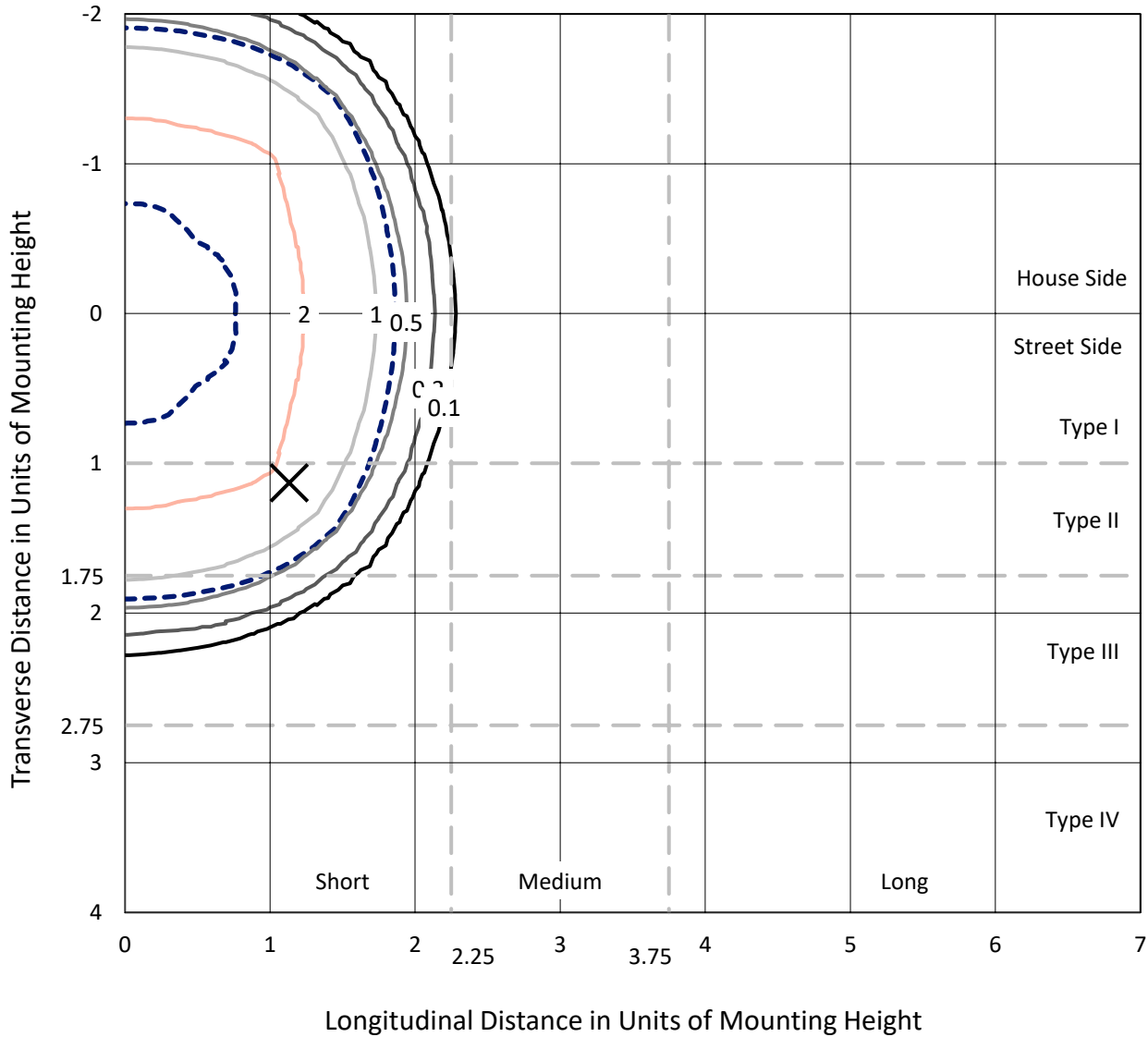
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

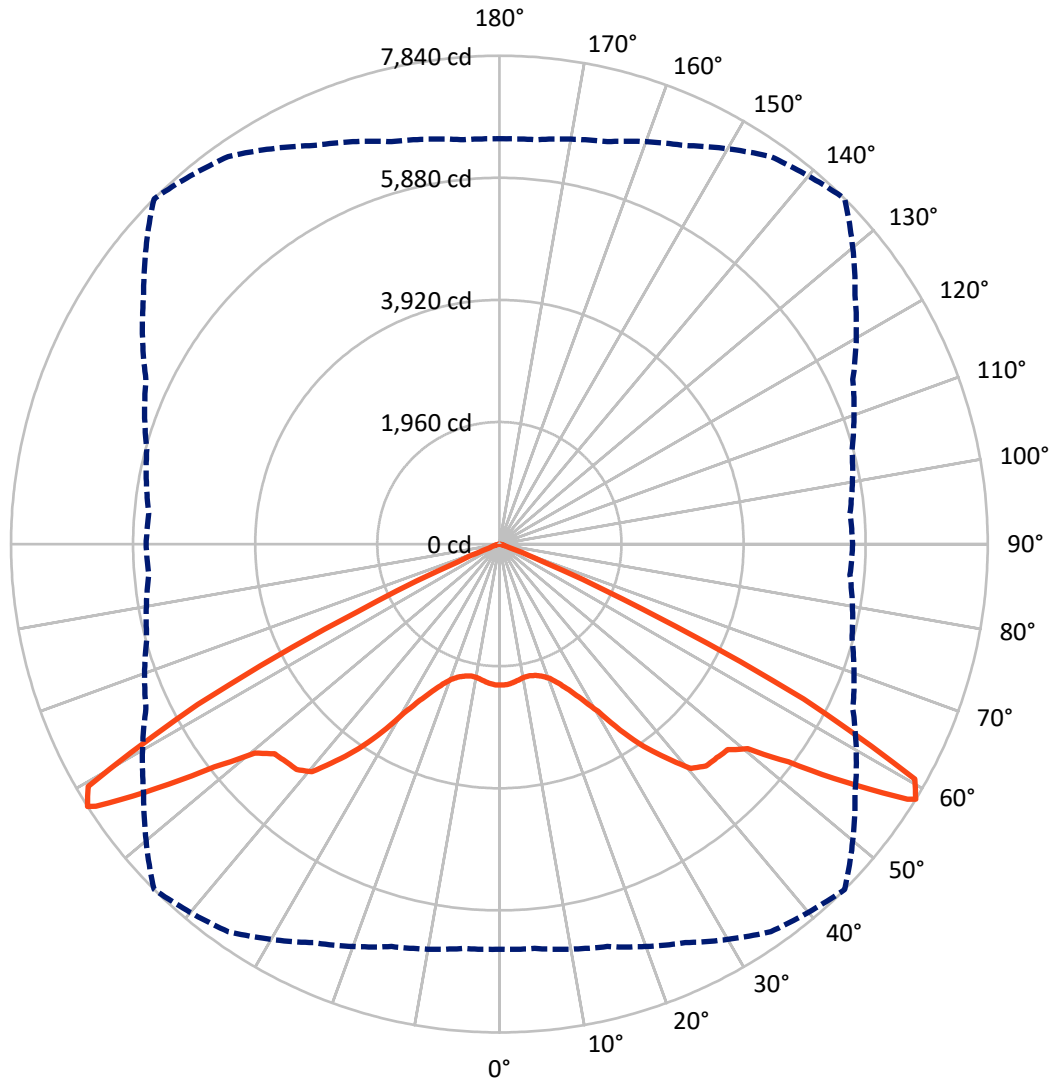
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7974.9	0.0	7974.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7974.9	0.0	7974.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15949.8	0.0	15949.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	1.3
10°-20°	624.4	3.9
20°-30°	1181.0	7.4
30°-40°	2329.2	14.6
40°-50°	3685.9	23.1
50°-60°	5418.1	34.0
60°-70°	2418.4	15.2
70°-80°	81.0	0.5
80°-90°	0.7	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°	15949.8	100.0
0°-180°	15949.8	100.0

Coefficient of Utilization



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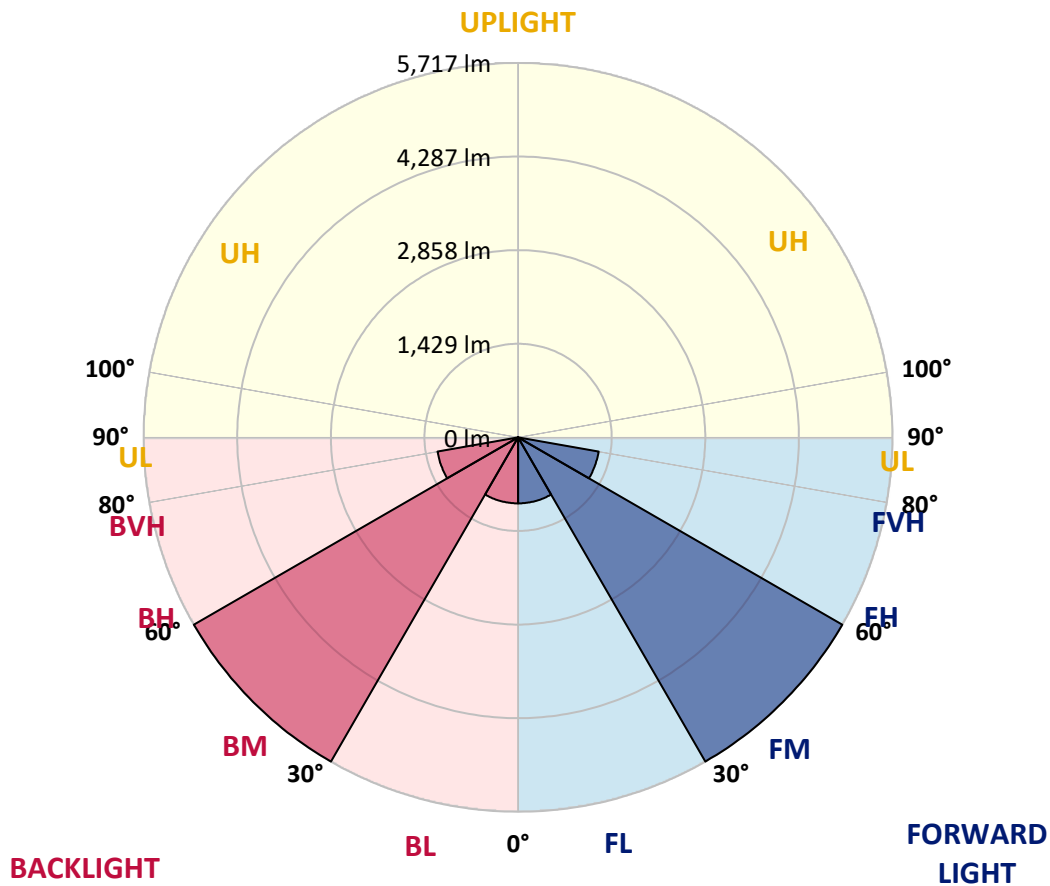
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1008.2	6.3			
FM (30°-60°)	5716.6	35.8			
FH (60°-80°)	1249.7	7.8			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1008.2	6.3	B3/2500		
BM (30°-60°)	5716.6	35.8	B4/8500		
BH (60°-80°)	1249.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9
2.5°	2240.2	2244.5	2248.9	2251.0	2253.2	2259.7	2261.9	2255.4	2255.4	2242.3	2257.5
5°	2229.3	2233.6	2238.0	2235.8	2235.8	2235.8	2233.6	2225.0	2222.8	2209.7	2225.0
7.5°	2209.7	2214.1	2214.1	2207.6	2203.2	2203.2	2201.1	2190.2	2188.0	2175.0	2190.2
10°	2194.5	2196.7	2194.5	2181.5	2172.8	2172.8	2170.6	2166.3	2168.5	2159.8	2172.8
12.5°	2203.2	2205.4	2196.7	2179.3	2168.5	2166.3	2159.8	2153.3	2159.8	2157.6	2170.6
15°	2231.5	2233.6	2218.4	2196.7	2188.0	2188.0	2170.6	2153.3	2161.9	2164.1	2179.3
17.5°	2266.2	2266.2	2246.7	2227.1	2229.3	2229.3	2201.1	2170.6	2172.8	2181.5	2196.7
20°	2307.5	2307.5	2288.0	2283.6	2298.8	2301.0	2266.2	2218.4	2207.6	2214.1	2231.5
22.5°	2381.4	2381.4	2366.2	2377.1	2411.8	2422.7	2370.5	2303.2	2277.1	2281.4	2298.8
25°	2496.6	2496.6	2492.2	2518.3	2568.3	2592.2	2522.6	2433.5	2390.1	2383.6	2403.1
27.5°	2689.9	2692.1	2685.6	2724.7	2787.7	2816.0	2720.4	2603.0	2550.9	2540.0	2559.6
30°	2939.8	2939.8	2942.0	2996.3	3078.9	3115.8	2989.8	2852.9	2792.1	2757.3	2783.4
32.5°	3217.9	3222.3	3244.0	3335.3	3480.8	3556.9	3372.2	3181.0	3083.2	3046.3	3074.5
35°	3676.4	3635.1	3609.0	3676.4	3887.2	3987.1	3750.3	3526.5	3452.6	3448.2	3520.0
37.5°	4130.5	4106.6	4052.3	4121.8	4310.9	4356.5	4095.7	3908.9	3856.7	3885.0	3956.7
40°	4491.2	4447.7	4376.0	4441.2	4688.9	4734.6	4413.0	4228.3	4208.7	4271.7	4369.5
42.5°	4775.8	4715.0	4619.4	4634.6	4834.5	4867.1	4582.5	4443.4	4456.4	4534.7	4645.5
45°	4904.0	4856.2	4771.5	4765.0	4891.0	4893.2	4669.4	4597.7	4632.4	4693.3	4780.2
47.5°	4958.3	4936.6	4888.8	4878.0	4949.7	4932.3	4793.2	4762.8	4795.4	4812.8	4862.7
50°	5093.1	5093.1	5099.6	5108.3	5182.1	5164.8	5067.0	5032.2	4990.9	4930.1	4945.3
52.5°	5471.1	5486.3	5549.4	5618.9	5753.6	5810.1	5651.5	5449.4	5251.7	5119.1	5119.1
55°	6153.4	6168.6	6242.5	6359.8	6607.5	6742.2	6372.8	5927.4	5655.8	5475.5	5499.4
57.5°	6529.3	6546.7	6698.8	7016.0	7496.2	7724.3	6931.3	6270.7	5890.5	5684.1	5701.5
58°	6505.4	6516.3	6687.9	7059.5	7594.0	7839.5	6970.4	6259.9	5860.1	5649.3	5671.0
60°	5779.7	5764.5	6038.2	6568.4	7322.4	7661.3	6581.4	5714.5	5249.5	5034.4	5045.3
62.5°	3778.5	3787.2	4024.0	4578.1	5164.8	5484.2	4597.7	3952.3	3578.6	3448.2	3415.7
65°	1577.5	1549.2	1694.8	2003.3	2355.3	2533.5	2177.2	1842.5	1612.2	1525.3	1549.2
67.5°	406.3	395.5	404.1	506.3	619.3	732.2	614.9	469.3	408.5	412.8	412.8
70°	230.3	217.3	176.0	163.0	158.6	158.6	158.6	158.6	182.5	215.1	221.6
72.5°	173.8	163.0	128.2	110.8	97.8	91.3	95.6	110.8	132.5	160.8	165.1
75°	86.9	86.9	78.2	73.9	65.2	60.8	63.0	69.5	80.4	91.3	89.1
77.5°	17.4	19.6	21.7	26.1	21.7	21.7	21.7	26.1	26.1	28.2	26.1
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
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)