

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: P640161

Luminaire Tested: GWS-SA5D-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20849.5 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

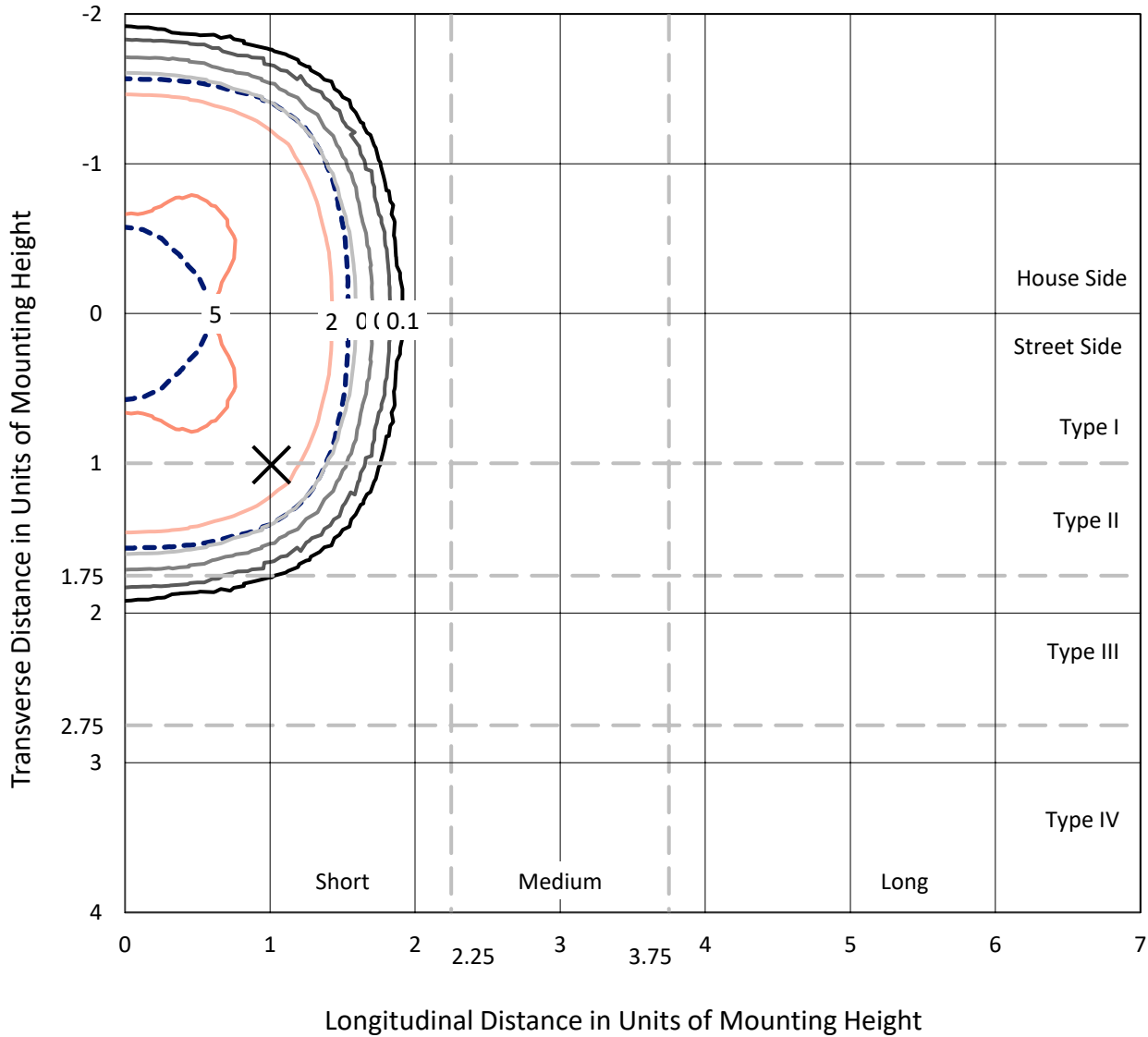
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

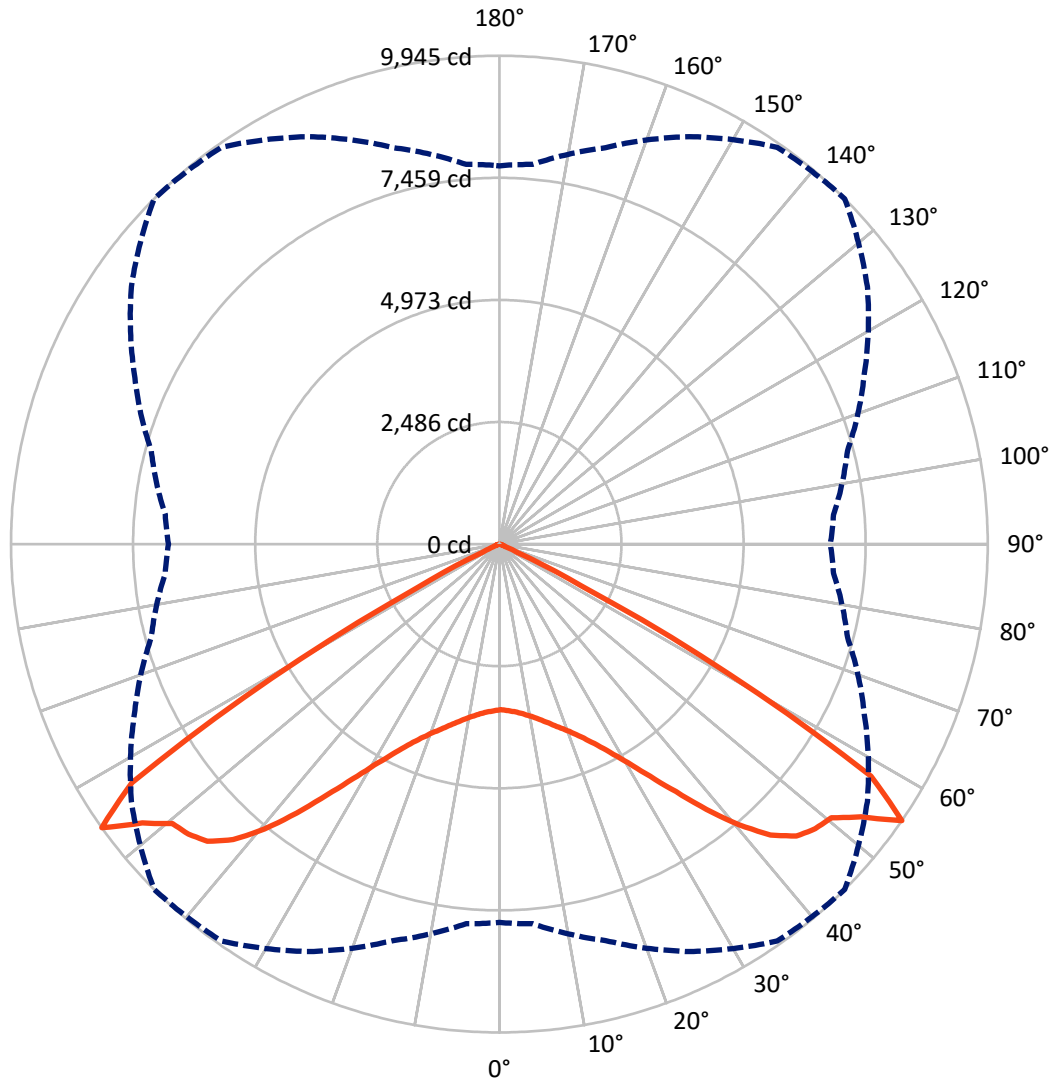
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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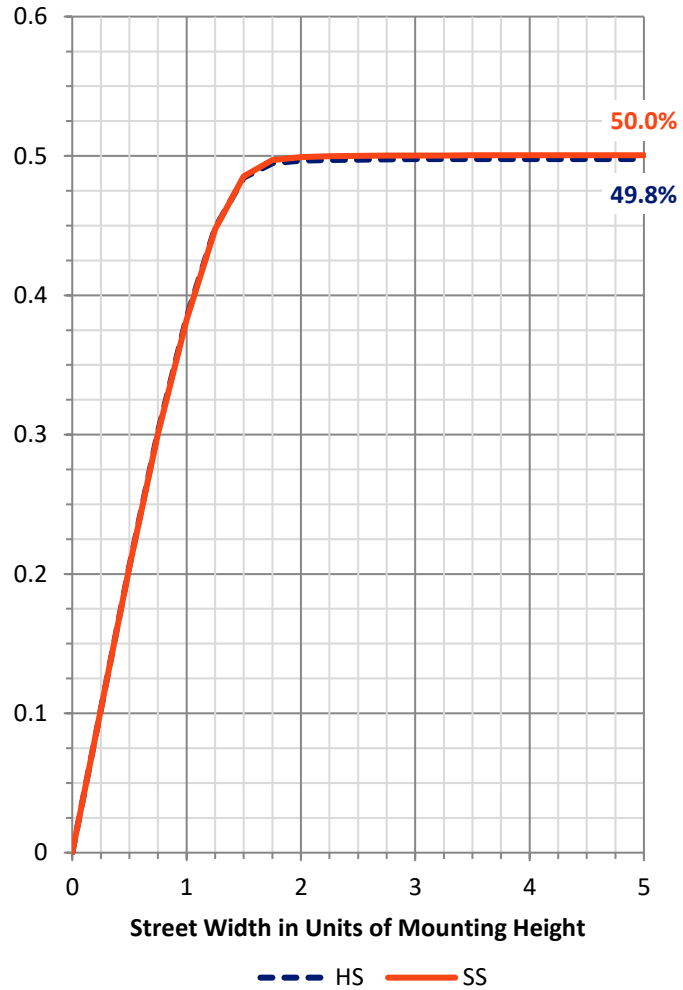
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10424.7	0.0	10424.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10424.7	0.0	10424.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	20849.5	0.0	20849.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.3	1.6
10°-20°	1070.6	5.1
20°-30°	2073.4	9.9
30°-40°	3714.6	17.8
40°-50°	6227.8	29.9
50°-60°	6666.5	32.0
60°-70°	732.6	3.5
70°-80°	32.2	0.2
80°-90°	1.5	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°	20849.5	100.0
0°-180°	20849.5	100.0

Coefficient of Utilization



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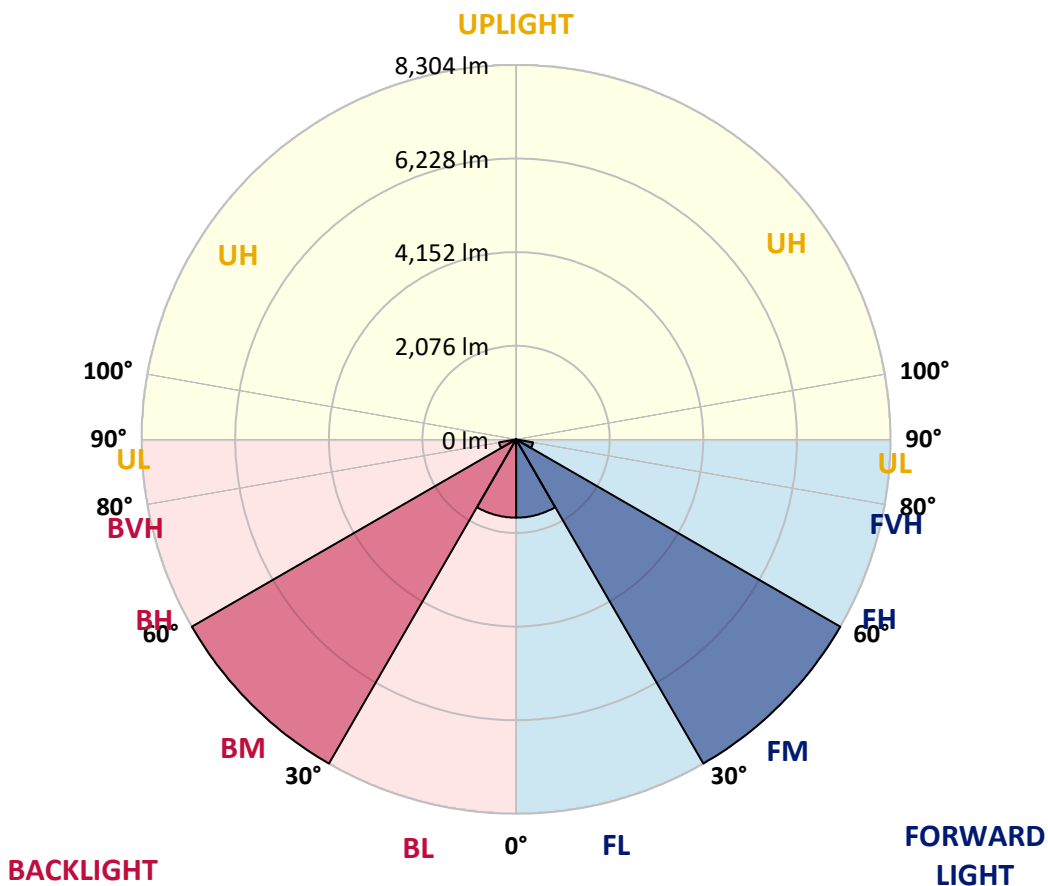
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1737.1	8.3			
FM (30°-60°)	8304.4	39.8			
FH (60°-80°)	382.4	1.8			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	1737.1	8.3	B3/2500		
BM (30°-60°)	8304.4	39.8	B4/8500		
BH (60°-80°)	382.4	1.8	B1/500		G0/660
BVH (80°-90°)	0.7	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0	3371.0
2.5°	3364.6	3364.6	3373.1	3379.5	3379.5	3396.5	3390.1	3383.7	3383.7	3375.2	3392.2
5°	3413.4	3411.3	3419.8	3424.1	3415.6	3432.6	3421.9	3415.6	3411.3	3402.8	3419.8
7.5°	3466.5	3468.7	3470.8	3479.3	3475.0	3492.0	3483.5	3470.8	3466.5	3453.8	3470.8
10°	3530.3	3530.3	3534.5	3545.1	3547.3	3568.5	3560.0	3545.1	3532.4	3519.6	3536.6
12.5°	3611.0	3613.1	3619.5	3634.4	3642.8	3666.2	3653.5	3623.7	3604.6	3589.7	3608.9
15°	3727.8	3725.7	3734.2	3755.4	3766.0	3783.0	3763.9	3723.6	3700.2	3683.2	3696.0
17.5°	3855.3	3855.3	3859.5	3880.7	3895.6	3921.1	3897.7	3848.9	3827.6	3804.3	3817.0
20°	3995.5	4001.8	4006.1	4020.9	4046.4	4071.9	4052.8	4003.9	3980.6	3950.8	3965.7
22.5°	4180.2	4173.9	4176.0	4201.5	4237.6	4263.1	4248.2	4190.9	4150.5	4127.1	4135.6
25°	4386.3	4384.2	4390.5	4428.8	4469.1	4496.7	4475.5	4401.2	4360.8	4320.4	4337.4
27.5°	4639.1	4641.2	4645.4	4692.2	4755.9	4796.2	4743.1	4668.8	4613.6	4560.5	4573.2
30°	4938.6	4934.3	4947.1	5010.8	5104.2	5168.0	5106.4	5002.3	4923.7	4872.7	4879.1
32.5°	5257.2	5261.4	5295.4	5397.4	5520.6	5633.1	5507.8	5369.7	5267.8	5172.2	5185.0
35°	5601.3	5611.9	5688.4	5839.2	6041.0	6191.8	6017.6	5790.3	5645.9	5522.7	5526.9
37.5°	6007.0	6032.5	6138.7	6363.8	6652.7	6854.5	6599.6	6298.0	6111.1	5958.1	5947.5
40°	6540.1	6569.9	6714.3	6981.9	7332.4	7517.2	7222.0	6911.9	6680.3	6514.6	6489.2
42.5°	7151.9	7190.1	7347.3	7621.3	7971.8	8097.1	7808.2	7547.0	7338.8	7143.4	7134.9
45°	7842.2	7863.5	7990.9	8201.2	8454.0	8483.7	8267.0	8122.6	7912.3	7729.6	7714.8
47.5°	8490.1	8511.3	8598.4	8706.7	8766.2	8660.0	8621.8	8558.0	8286.2	8061.0	8014.3
50°	8982.9	8999.9	9108.2	9150.7	8985.0	8759.8	8834.2	8698.2	8403.0	8150.2	8078.0
52.5°	8948.9	8991.4	9269.6	9511.8	9407.7	9225.0	9025.3	8732.2	8273.4	7927.2	7838.0
55°	7704.1	7761.5	8358.4	9154.9	9866.5	9945.1	9146.4	8201.2	7338.8	6831.1	6739.8
57.5°	4951.3	4966.2	5694.7	6812.0	8415.7	8921.3	7585.2	6183.3	5110.6	4552.0	4513.7
60°	1820.4	1790.6	2340.8	3266.9	4847.2	5382.5	4464.9	3126.7	2230.3	1835.2	1803.4
62.5°	437.6	441.8	548.0	822.0	1520.9	1882.0	1486.9	830.5	528.9	443.9	439.7
65°	220.9	216.7	218.8	235.8	325.0	388.7	318.6	225.2	216.7	218.8	216.7
67.5°	142.3	140.2	144.4	146.6	144.4	135.9	133.8	138.1	138.1	140.2	135.9
70°	87.1	85.0	89.2	95.6	91.3	80.7	85.0	89.2	85.0	82.8	82.8
72.5°	46.7	46.7	51.0	55.2	51.0	46.7	46.7	48.9	46.7	46.7	46.7
75°	21.2	21.2	23.4	25.5	21.2	21.2	21.2	21.2	21.2	21.2	21.2
77.5°	6.4	6.4	8.5	8.5	6.4	6.4	6.4	6.4	8.5	8.5	8.5
80°	2.1	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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)