

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: P640328

Luminaire Tested: GWS-SA5D-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31678.1 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

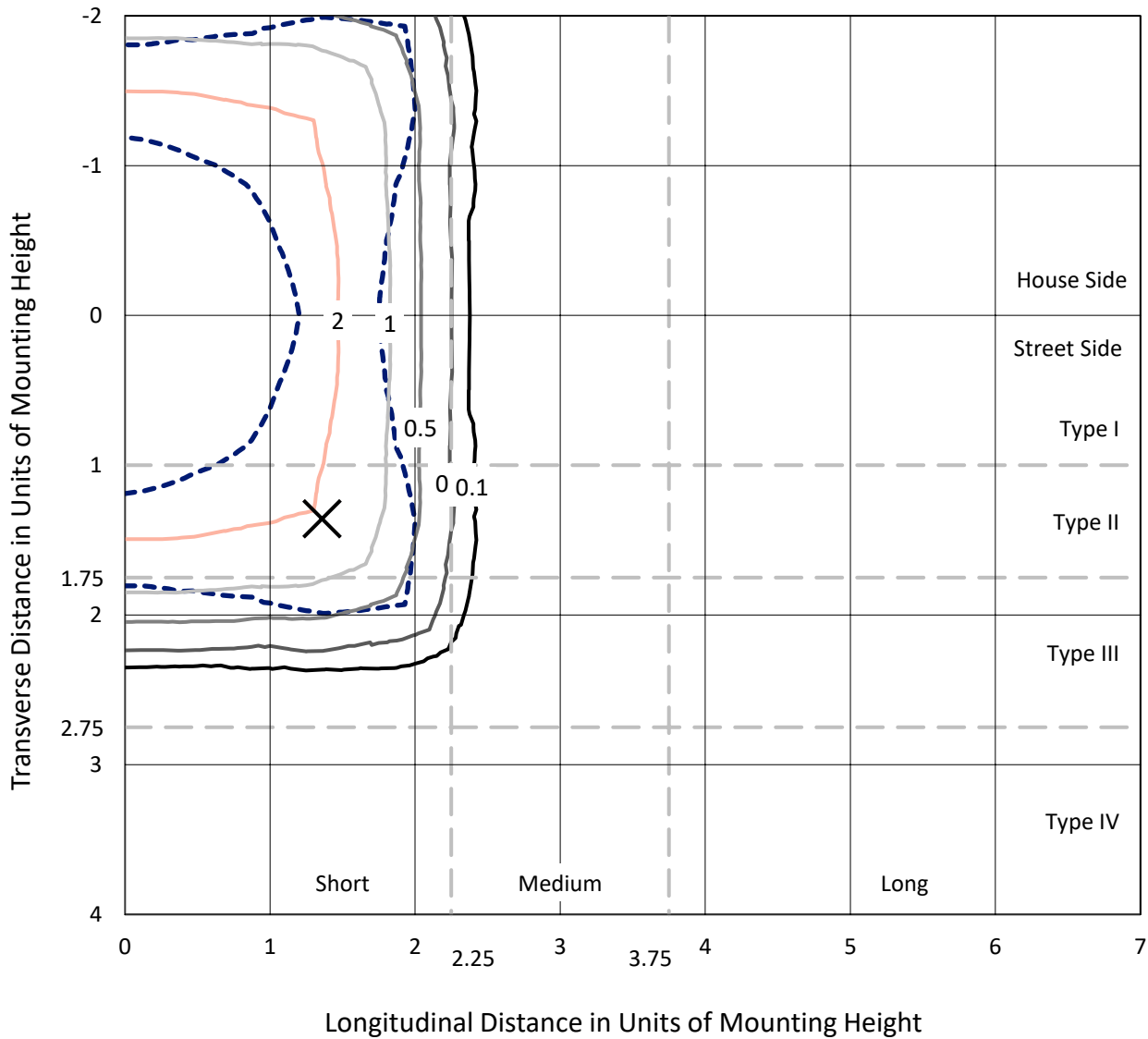
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640328
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Iso-Footcandle Lines of Horizontal Illumination

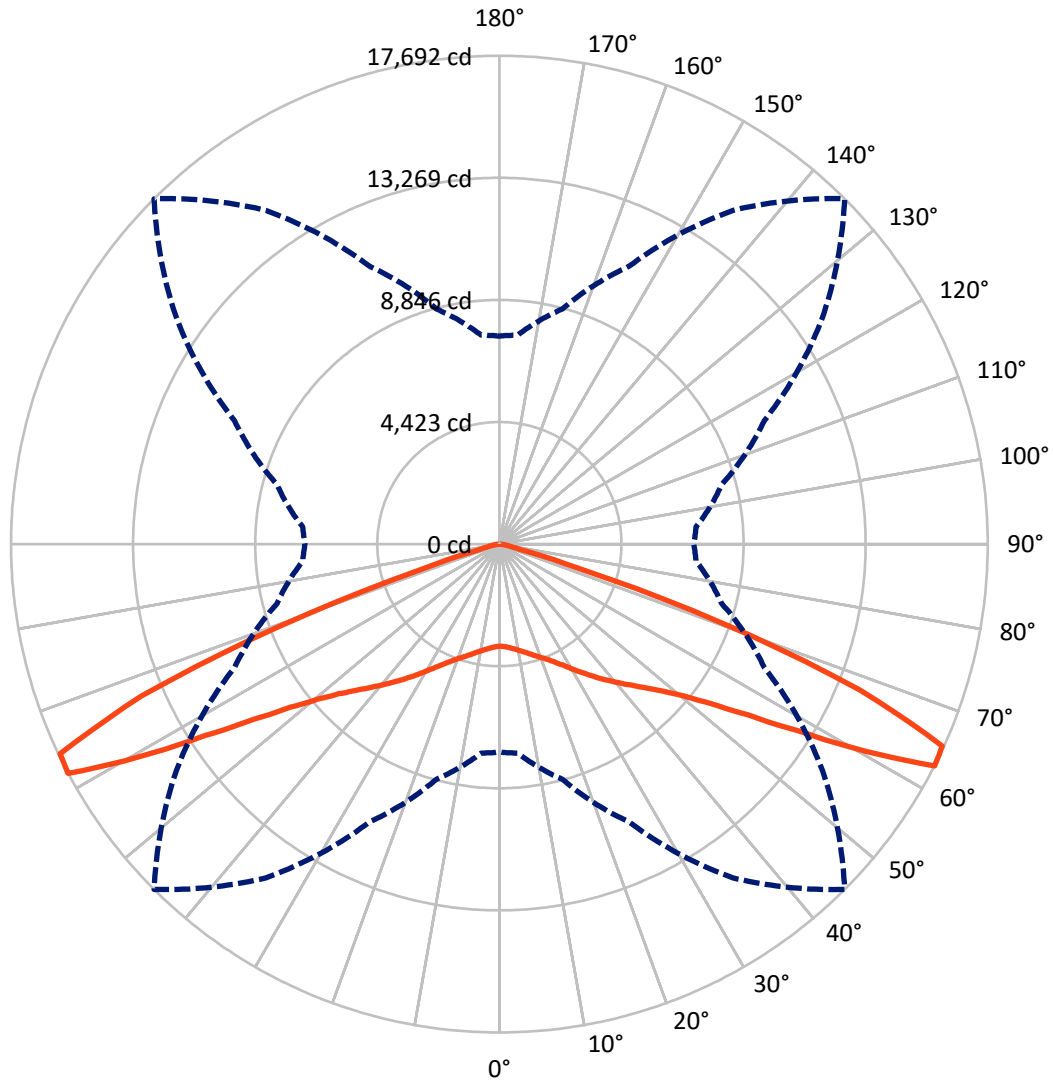
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

REPORT NUMBER: P640328
CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W

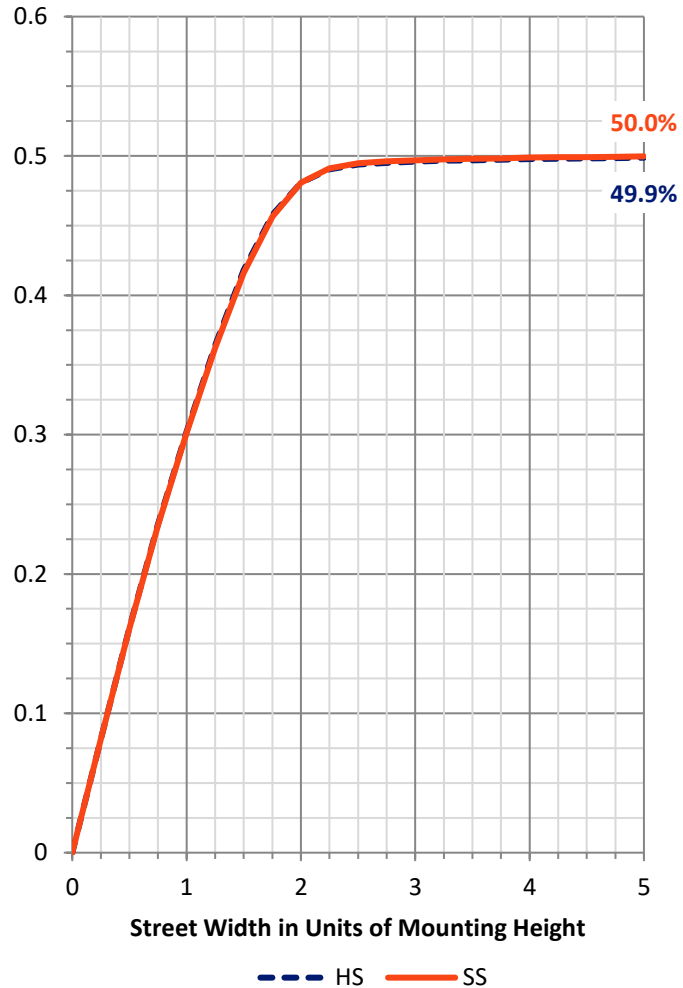
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15839.0	0.0	15839.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15839.0	0.0	15839.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31678.1	0.0	31678.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.6	1.1
10°-20°	1169.3	3.7
20°-30°	2212.2	7.0
30°-40°	3723.5	11.8
40°-50°	5949.0	18.8
50°-60°	9589.4	30.3
60°-70°	7823.9	24.7
70°-80°	759.8	2.4
80°-90°	88.4	0.3
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°	31678.1	100.0
0°-180°	31678.1	100.0

Coefficient of Utilization



REPORT NUMBER: P640328

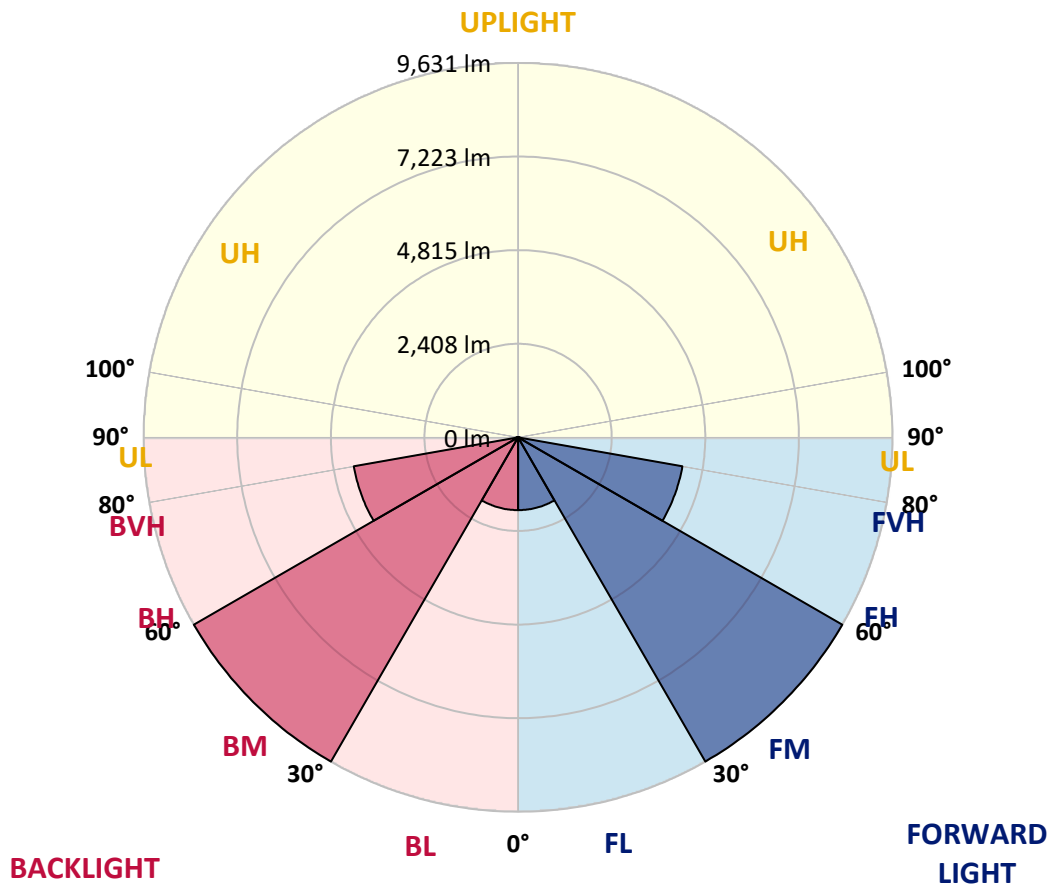
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1872.1	5.9			
FM (30°-60°)	9630.9	30.4			
FH (60°-80°)	4291.8	13.5			G2/5000
FVH (80°-90°)	44.2	0.1			G1/100
BL (0°-30°)	1872.1	5.9	B3/2500		
BM (30°-60°)	9630.9	30.4	B5		
BH (60°-80°)	4291.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	44.2	0.1			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°	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7	3695.7
2.5°	3691.3	3691.3	3700.0	3706.5	3702.2	3719.6	3717.4	3713.1	3710.9	3704.4	3723.9
5°	3741.3	3741.3	3747.8	3754.3	3743.5	3765.2	3756.5	3752.2	3750.0	3741.3	3758.7
7.5°	3797.8	3804.3	3806.5	3817.3	3810.8	3834.7	3828.2	3819.5	3815.2	3804.3	3819.5
10°	3860.8	3865.1	3867.3	3886.9	3889.0	3917.3	3910.8	3899.9	3891.2	3880.4	3902.1
12.5°	3945.5	3947.7	3954.2	3978.1	3984.6	4006.4	4004.2	3989.0	3978.1	3962.9	3986.8
15°	4054.2	4056.3	4067.2	4091.1	4102.0	4128.0	4119.3	4095.4	4080.2	4062.9	4082.4
17.5°	4167.1	4175.8	4186.7	4210.6	4225.8	4256.2	4245.4	4219.3	4206.3	4188.9	4201.9
20°	4312.7	4314.9	4321.4	4347.5	4358.3	4393.1	4395.3	4369.2	4362.7	4345.3	4364.9
22.5°	4473.5	4475.7	4482.2	4510.4	4530.0	4551.7	4564.7	4549.5	4538.7	4516.9	4540.8
25°	4651.6	4673.4	4679.9	4714.7	4736.4	4749.4	4764.6	4758.1	4742.9	4716.8	4727.7
27.5°	4901.5	4905.8	4916.7	4955.8	4968.9	4981.9	4997.1	4999.3	4977.5	4947.1	4962.3
30°	5186.1	5183.9	5207.8	5238.3	5249.1	5260.0	5281.7	5294.7	5266.5	5233.9	5249.1
32.5°	5477.3	5503.3	5533.7	5562.0	5555.5	5559.8	5594.6	5618.5	5579.4	5520.7	5533.7
35°	5805.3	5822.7	5861.8	5903.1	5894.4	5887.9	5909.6	5933.5	5879.2	5803.1	5822.7
37.5°	6142.1	6168.2	6226.8	6276.8	6263.7	6233.3	6257.2	6283.3	6231.2	6144.3	6135.6
40°	6517.9	6559.2	6644.0	6685.2	6650.5	6591.8	6633.1	6696.1	6644.0	6544.0	6520.1
42.5°	6959.0	7009.0	7093.7	7156.7	7080.7	6985.1	7054.6	7145.8	7132.8	7000.3	6959.0
45°	7504.3	7536.9	7641.2	7671.6	7558.6	7426.1	7552.1	7691.2	7658.6	7515.2	7460.9
47.5°	8097.5	8147.4	8238.7	8295.2	8112.7	7947.6	8123.5	8310.4	8275.6	8140.9	8077.9
50°	8853.5	8918.7	9038.2	9086.0	8834.0	8645.0	8870.9	9107.7	9040.4	8860.1	8777.5
52.5°	9677.0	9729.1	9933.4	10029.0	9792.1	9587.9	9785.6	10018.1	9874.7	9635.7	9524.9
55°	10402.6	10454.8	10754.6	11071.8	11061.0	10919.7	11019.7	11024.0	10635.1	10239.7	10122.4
57.5°	10559.1	10611.2	11182.6	12012.6	12599.2	12762.1	12468.8	11851.8	10871.9	10178.9	10046.3
60°	9724.8	9783.4	10691.6	12208.1	14137.4	15225.9	13874.5	11834.4	10139.8	9201.2	9075.2
62.5°	7534.7	7597.8	8818.8	11095.7	14758.8	17691.9	14283.0	10589.5	8340.8	7152.4	7041.6
65°	3597.9	3597.9	5149.2	7958.4	13520.4	17633.2	13101.1	7834.6	5021.0	3856.5	3760.9
67.5°	890.8	895.1	1325.3	3098.2	9196.8	14072.3	9346.7	3760.9	1768.5	1251.4	1218.9
70°	556.2	554.0	614.9	838.6	3217.7	8540.7	3821.7	1134.1	719.1	634.4	630.1
72.5°	432.4	432.4	462.8	536.6	843.0	2909.2	1114.6	630.1	521.4	469.3	469.3
75°	341.1	341.1	362.8	401.9	497.5	749.6	593.1	467.1	404.1	369.4	365.0
77.5°	254.2	258.5	275.9	302.0	338.9	421.5	375.9	352.0	315.0	289.0	280.3
80°	165.1	171.6	193.4	208.6	221.6	278.1	245.5	256.4	239.0	208.6	204.2
82.5°	89.1	91.3	117.3	121.7	126.0	152.1	156.4	162.9	169.5	132.5	123.8
85°	32.6	32.6	39.1	45.6	50.0	54.3	73.9	91.3	95.6	76.0	73.9
87.5°	6.5	6.5	6.5	4.3	4.3	4.3	13.0	23.9	39.1	30.4	30.4
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)