

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: P640326

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640326
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21327.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

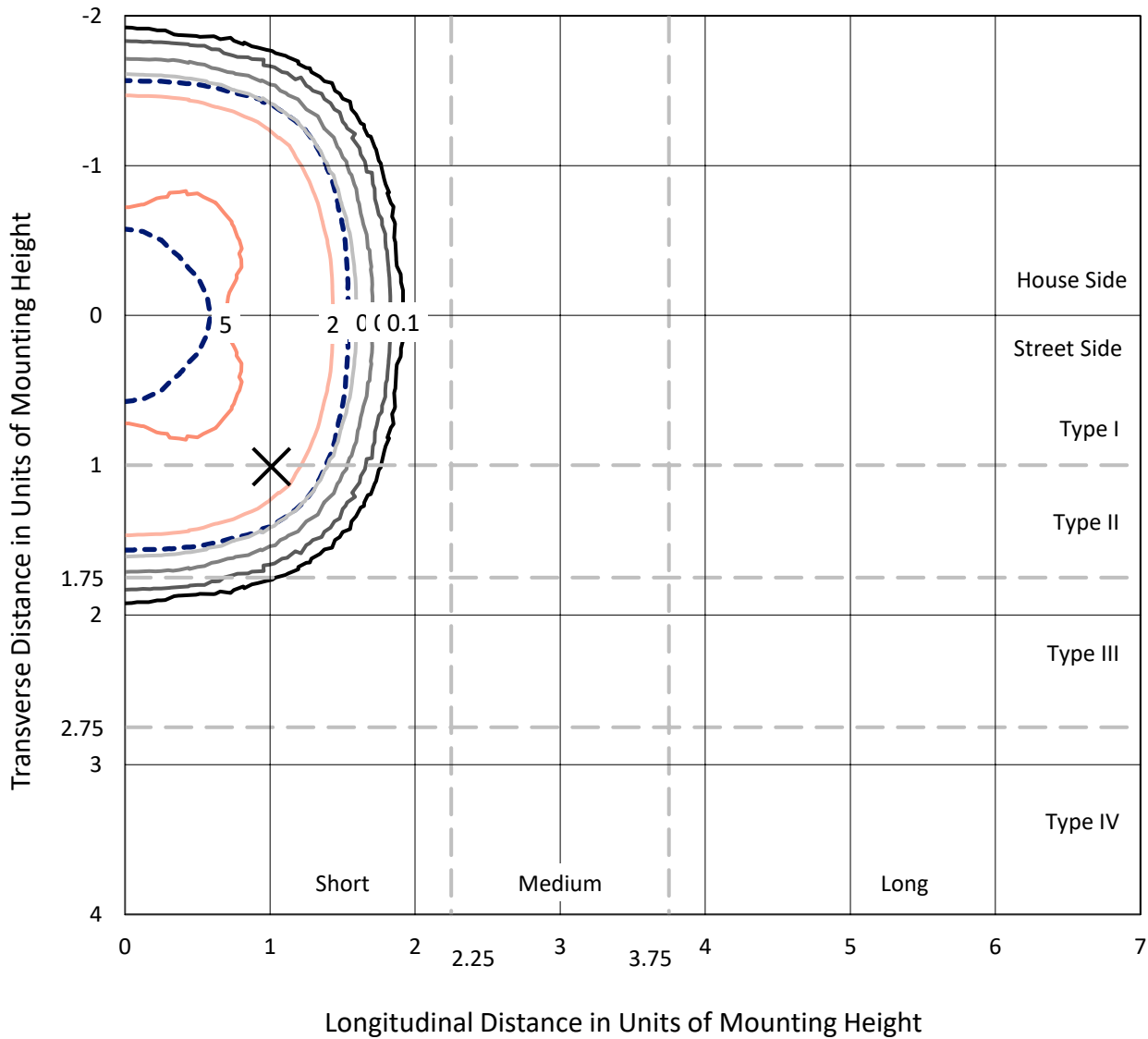
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

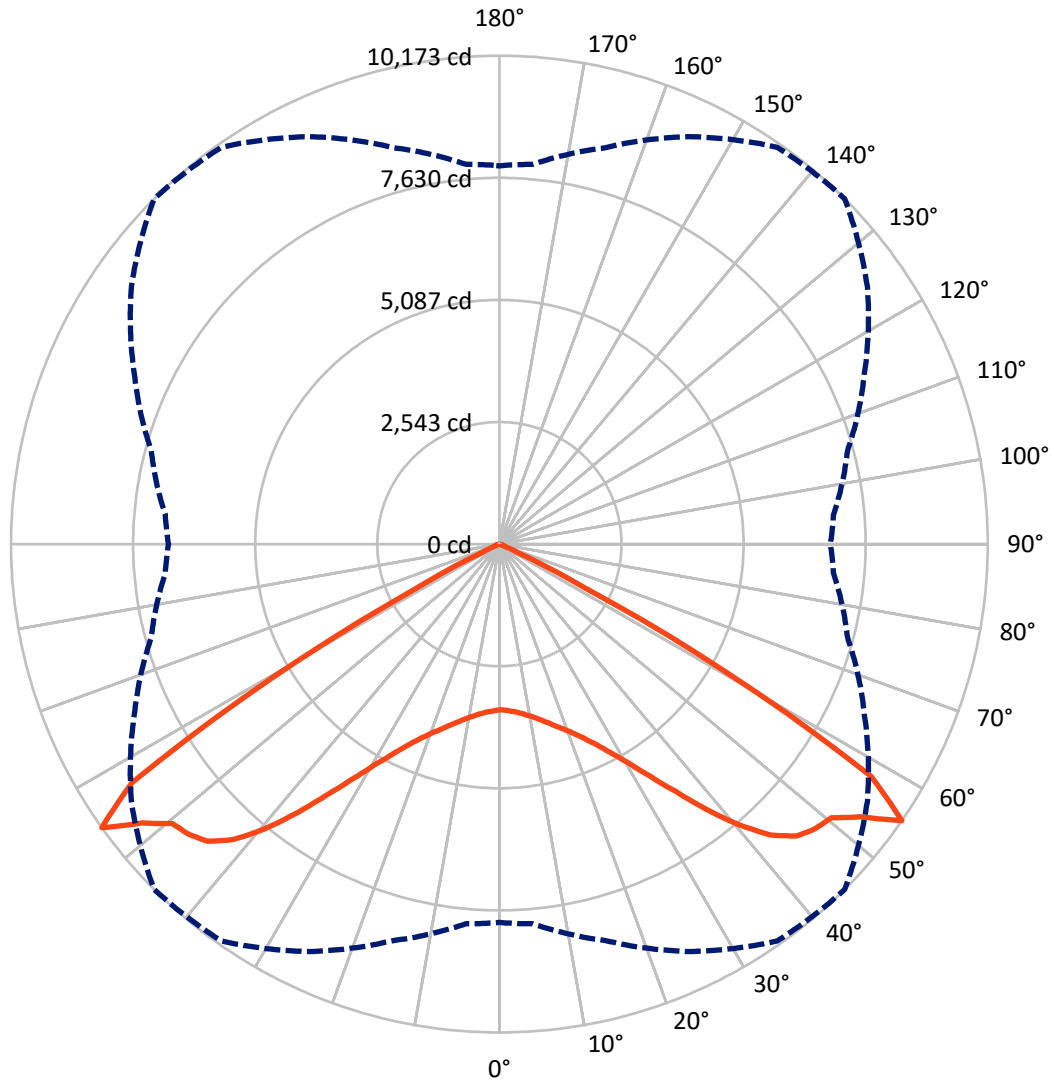
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

REPORT NUMBER: P640326
CATALOG NUMBER: GWS-SA5D-760-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



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

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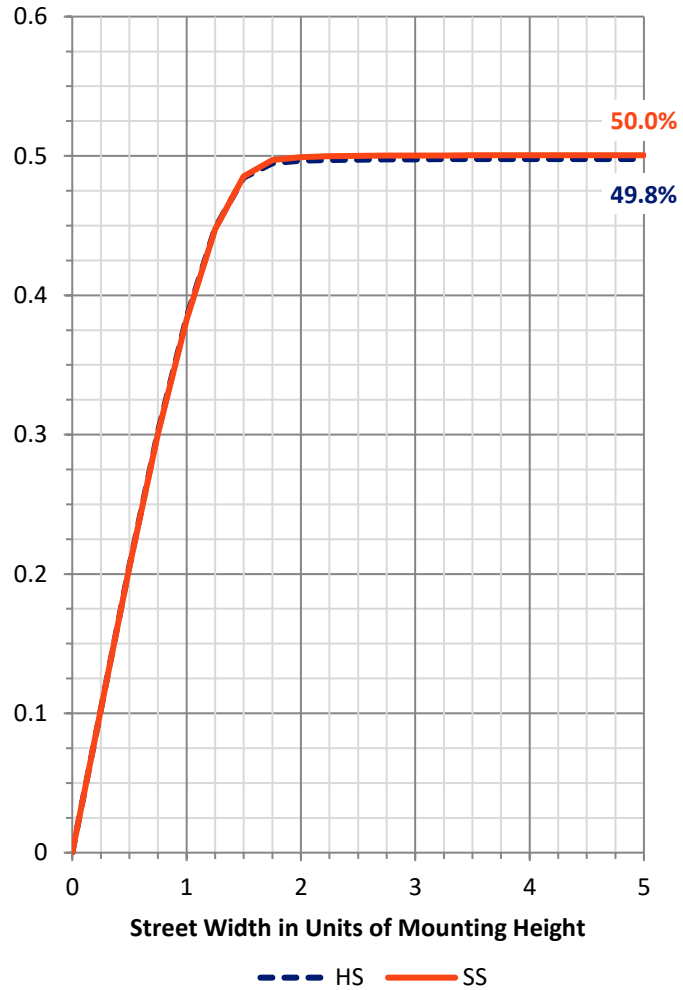
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10663.7	0.0	10663.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10663.7	0.0	10663.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	21327.3	0.0	21327.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.9	1.6
10°-20°	1095.1	5.1
20°-30°	2120.9	9.9
30°-40°	3799.7	17.8
40°-50°	6370.5	29.9
50°-60°	6819.3	32.0
60°-70°	749.3	3.5
70°-80°	33.0	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°	21327.3	100.0
0°-180°	21327.3	100.0

Coefficient of Utilization



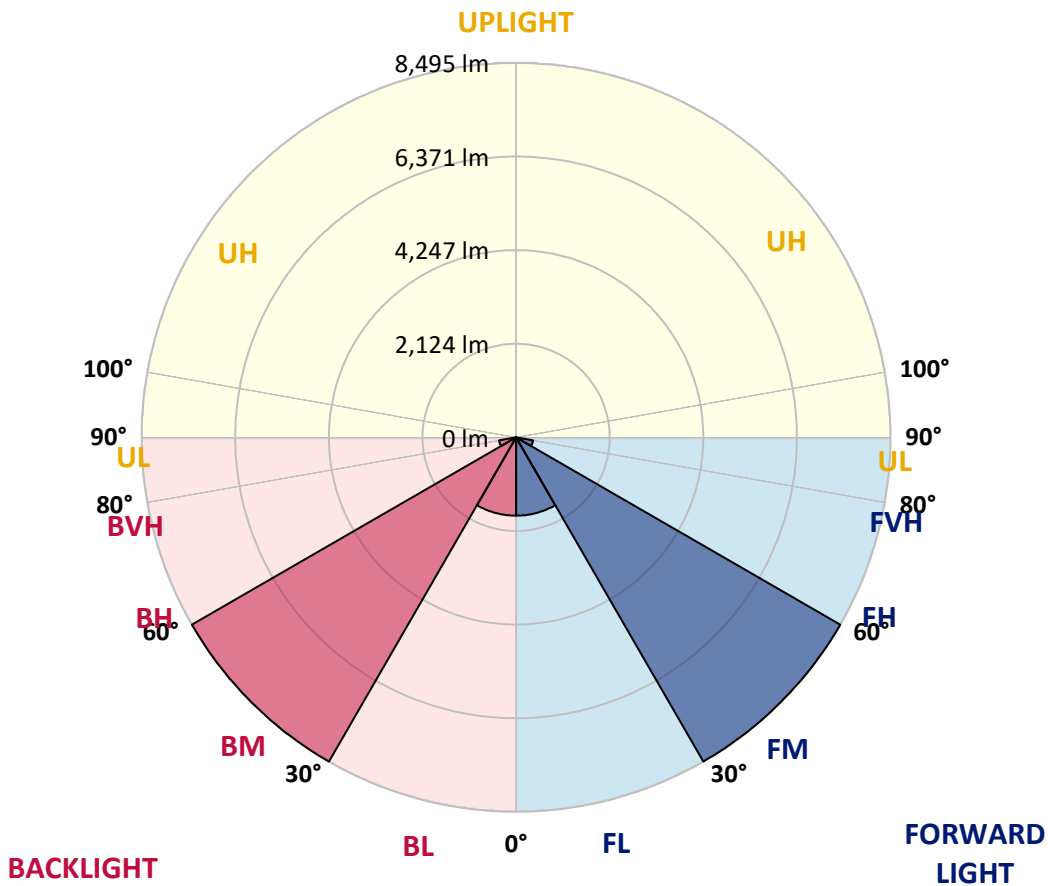
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1777.0	8.3			
FM (30°-60°)	8494.8	39.8			
FH (60°-80°)	391.2	1.8			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	1777.0	8.3	B3/2500		
BM (30°-60°)	8494.8	39.8	B4/8500		
BH (60°-80°)	391.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.8	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°	3448.2	3448.2	3448.2	3448.2	3448.2	3448.2	3448.2	3448.2	3448.2	3448.2	3448.2
2.5°	3441.7	3441.7	3450.4	3456.9	3456.9	3474.3	3467.8	3461.3	3461.3	3452.6	3469.9
5°	3491.7	3489.5	3498.2	3502.5	3493.8	3511.2	3500.4	3493.8	3489.5	3480.8	3498.2
7.5°	3546.0	3548.2	3550.3	3559.0	3554.7	3572.1	3563.4	3550.3	3546.0	3533.0	3550.3
10°	3611.2	3611.2	3615.5	3626.4	3628.6	3650.3	3641.6	3626.4	3613.3	3600.3	3617.7
12.5°	3693.7	3695.9	3702.4	3717.6	3726.3	3750.2	3737.2	3706.8	3687.2	3672.0	3691.6
15°	3813.2	3811.1	3819.8	3841.5	3852.4	3869.7	3850.2	3808.9	3785.0	3767.6	3780.6
17.5°	3943.6	3943.6	3948.0	3969.7	3984.9	4011.0	3987.1	3937.1	3915.4	3891.5	3904.5
20°	4087.0	4093.5	4097.9	4113.1	4139.2	4165.2	4145.7	4095.7	4071.8	4041.4	4056.6
22.5°	4276.0	4269.5	4271.7	4297.8	4334.7	4360.8	4345.6	4286.9	4245.6	4221.7	4230.4
25°	4486.8	4484.6	4491.2	4530.3	4571.5	4599.8	4578.1	4502.0	4460.7	4419.4	4436.8
27.5°	4745.4	4747.5	4751.9	4799.7	4864.9	4906.2	4851.8	4775.8	4719.3	4665.0	4678.0
30°	5051.7	5047.4	5060.4	5125.6	5221.2	5286.4	5223.4	5116.9	5036.5	4984.4	4990.9
32.5°	5377.6	5382.0	5416.8	5521.1	5647.1	5762.2	5634.0	5492.8	5388.5	5290.7	5303.8
35°	5729.6	5740.5	5818.7	5973.0	6179.4	6333.7	6155.5	5923.0	5775.3	5649.2	5653.6
37.5°	6144.6	6170.7	6279.4	6509.7	6805.2	7011.6	6750.8	6442.3	6251.1	6094.7	6083.8
40°	6690.0	6720.4	6868.2	7142.0	7500.5	7689.5	7387.5	7070.2	6833.4	6663.9	6637.9
42.5°	7315.8	7354.9	7515.7	7796.0	8154.5	8282.7	7987.2	7719.9	7507.0	7307.1	7298.4
45°	8021.9	8043.7	8174.0	8389.1	8647.7	8678.1	8456.5	8308.7	8093.6	7906.8	7891.6
47.5°	8684.6	8706.4	8795.4	8906.3	8967.1	8858.5	8819.3	8754.2	8476.0	8245.7	8197.9
50°	9188.7	9206.1	9316.9	9360.4	9190.9	8960.6	9036.6	8897.6	8595.5	8337.0	8263.1
52.5°	9154.0	9197.4	9482.0	9729.7	9623.3	9436.4	9232.2	8932.3	8463.0	8108.8	8017.6
55°	7880.7	7939.4	8549.9	9364.7	10092.6	10173.0	9356.0	8389.1	7507.0	6987.7	6894.3
57.5°	5064.8	5080.0	5825.2	6968.1	8608.6	9125.7	7759.0	6325.0	5227.7	4656.3	4617.2
60°	1862.1	1831.7	2394.4	3341.7	4958.3	5505.8	4567.2	3198.3	2281.4	1877.3	1844.7
62.5°	447.6	451.9	560.6	840.9	1555.7	1925.1	1521.0	849.6	541.0	454.1	449.8
65°	226.0	221.6	223.8	241.2	332.4	397.6	325.9	230.3	221.6	223.8	221.6
67.5°	145.6	143.4	147.7	149.9	147.7	139.1	136.9	141.2	141.2	143.4	139.1
70°	89.1	86.9	91.3	97.8	93.4	82.6	86.9	91.3	86.9	84.7	84.7
72.5°	47.8	47.8	52.1	56.5	52.1	47.8	47.8	50.0	47.8	47.8	47.8
75°	21.7	21.7	23.9	26.1	21.7	21.7	21.7	21.7	21.7	21.7	21.7
77.5°	6.5	6.5	8.7	8.7	6.5	6.5	6.5	6.5	8.7	8.7	8.7
80°	2.2	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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)