

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: P630209

Luminaire Tested: GWS-SA1D-730-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630209
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-SA1D-730-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2905.9 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

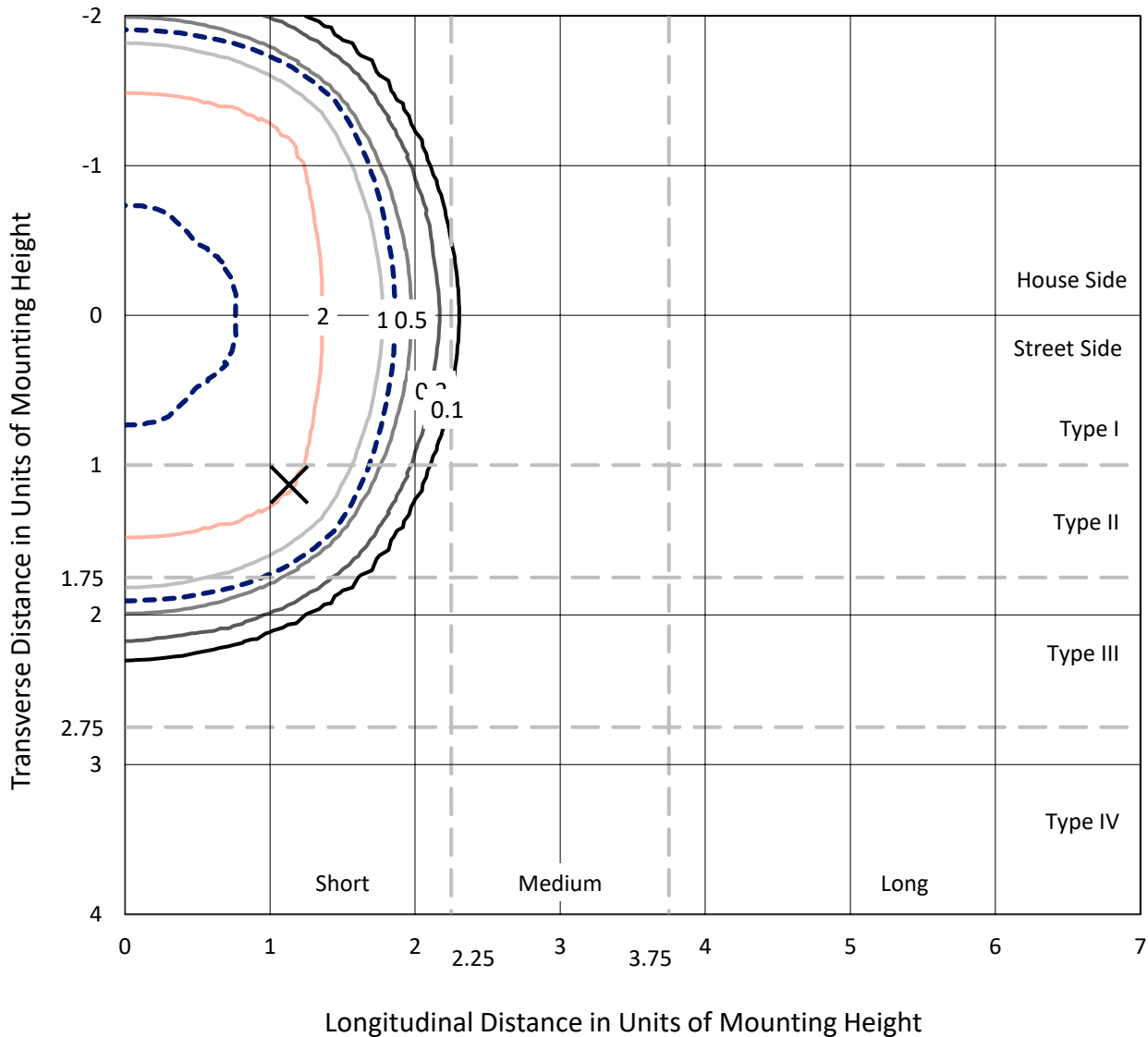
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

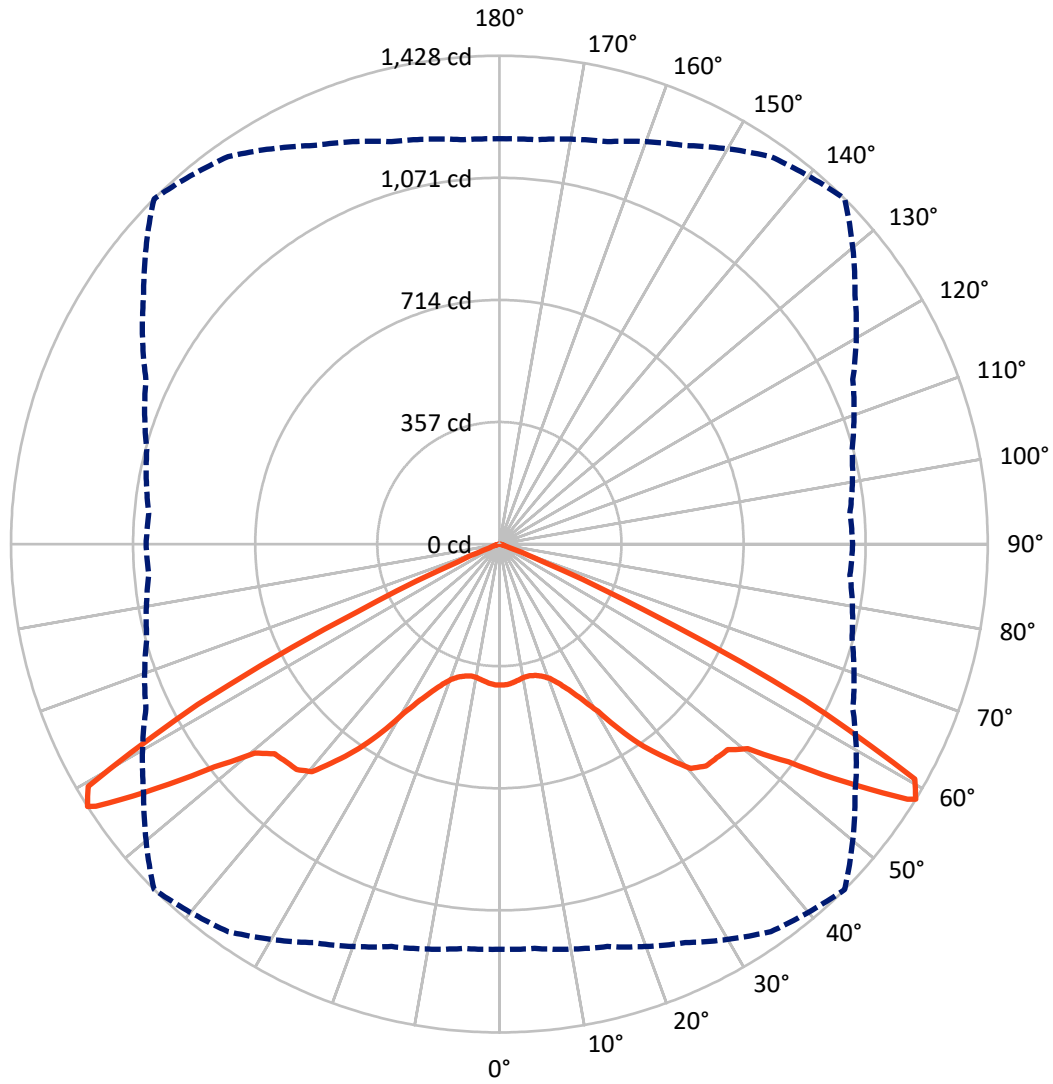
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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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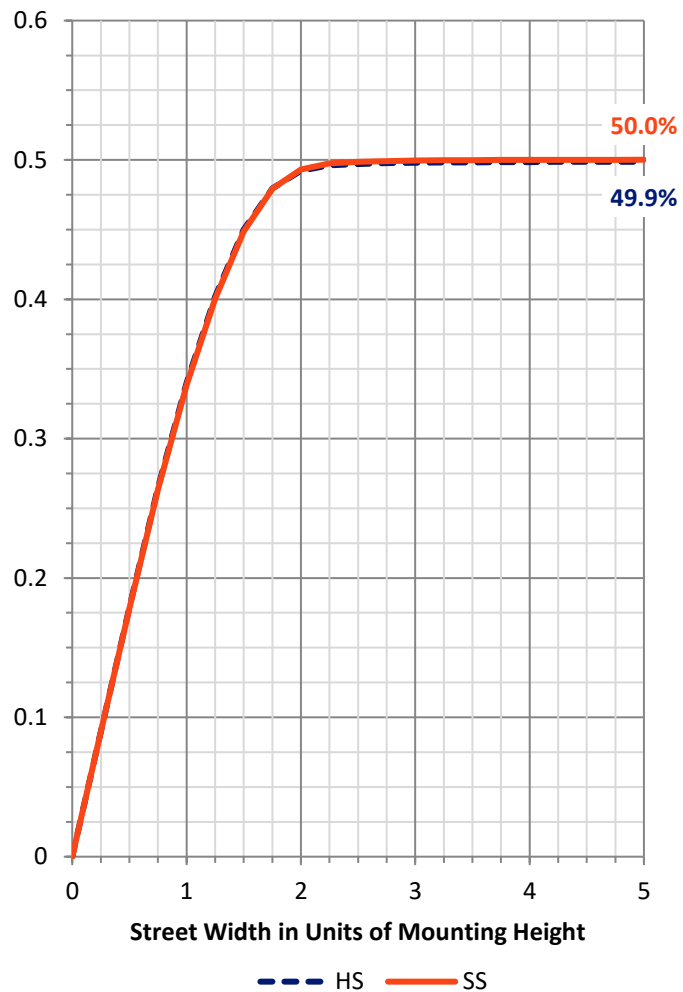
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1453.0	0.0	1453.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1453.0	0.0	1453.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2905.9	0.0	2905.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	1.3
10°-20°	113.8	3.9
20°-30°	215.2	7.4
30°-40°	424.4	14.6
40°-50°	671.5	23.1
50°-60°	987.1	34.0
60°-70°	440.6	15.2
70°-80°	14.8	0.5
80°-90°	0.1	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°	2905.9	100.0
0°-180°	2905.9	100.0

Coefficient of Utilization



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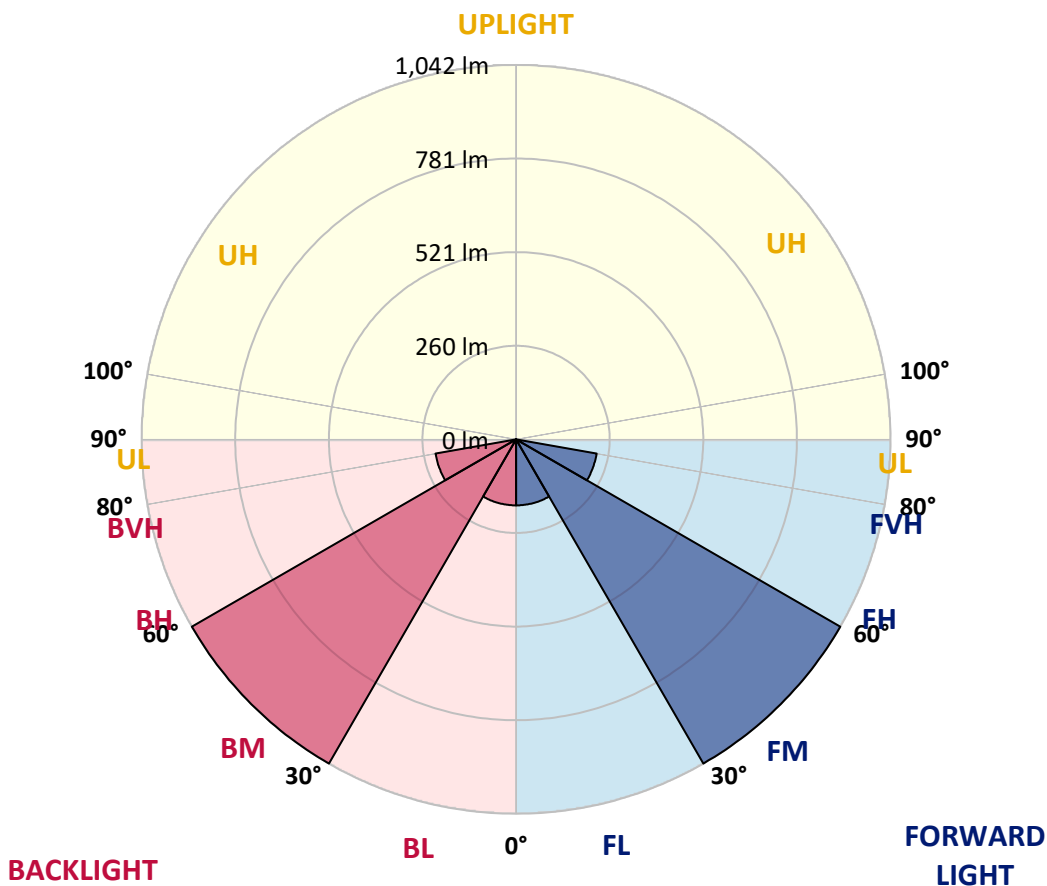
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.7	6.3			
FM (30°-60°)	1041.5	35.8			
FH (60°-80°)	227.7	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	183.7	6.3	B1/500		
BM (30°-60°)	1041.5	35.8	B2/2500		
BH (60°-80°)	227.7	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	408.1	408.9	409.7	410.1	410.5	411.7	412.1	410.9	410.9	408.5	411.3
5°	406.2	406.9	407.7	407.3	407.3	407.3	406.9	405.4	405.0	402.6	405.4
7.5°	402.6	403.4	403.4	402.2	401.4	401.4	401.0	399.0	398.6	396.3	399.0
10°	399.8	400.2	399.8	397.4	395.9	395.9	395.5	394.7	395.1	393.5	395.9
12.5°	401.4	401.8	400.2	397.1	395.1	394.7	393.5	392.3	393.5	393.1	395.5
15°	406.6	406.9	404.2	400.2	398.6	398.6	395.5	392.3	393.9	394.3	397.1
17.5°	412.9	412.9	409.3	405.8	406.2	406.2	401.0	395.5	395.9	397.4	400.2
20°	420.4	420.4	416.8	416.1	418.8	419.2	412.9	404.2	402.2	403.4	406.6
22.5°	433.9	433.9	431.1	433.1	439.4	441.4	431.9	419.6	414.9	415.7	418.8
25°	454.8	454.8	454.1	458.8	467.9	472.3	459.6	443.4	435.5	434.3	437.8
27.5°	490.1	490.5	489.3	496.4	507.9	513.0	495.6	474.2	464.7	462.8	466.3
30°	535.6	535.6	536.0	545.9	560.9	567.7	544.7	519.8	508.7	502.4	507.1
32.5°	586.3	587.1	591.0	607.7	634.2	648.0	614.4	579.5	561.7	555.0	560.1
35°	669.8	662.3	657.5	669.8	708.2	726.4	683.3	642.5	629.0	628.2	641.3
37.5°	752.5	748.2	738.3	751.0	785.4	793.7	746.2	712.2	702.7	707.8	720.9
40°	818.3	810.3	797.3	809.1	854.3	862.6	804.0	770.4	766.8	778.3	796.1
42.5°	870.1	859.0	841.6	844.4	880.8	886.7	834.9	809.5	811.9	826.2	846.4
45°	893.5	884.8	869.3	868.1	891.1	891.5	850.7	837.7	844.0	855.1	870.9
47.5°	903.4	899.4	890.7	888.7	901.8	898.6	873.3	867.7	873.7	876.8	885.9
50°	927.9	927.9	929.1	930.7	944.1	941.0	923.2	916.8	909.3	898.2	901.0
52.5°	996.8	999.6	1011.0	1023.7	1048.3	1058.5	1029.6	992.8	956.8	932.7	932.7
55°	1121.1	1123.9	1137.3	1158.7	1203.8	1228.4	1161.1	1079.9	1030.4	997.6	1001.9
57.5°	1189.6	1192.7	1220.5	1278.2	1365.7	1407.3	1262.8	1142.5	1073.2	1035.6	1038.7
58°	1185.2	1187.2	1218.5	1286.2	1383.5	1428.3	1269.9	1140.5	1067.6	1029.2	1033.2
60°	1053.0	1050.2	1100.1	1196.7	1334.1	1395.8	1199.1	1041.1	956.4	917.2	919.2
62.5°	688.4	690.0	733.1	834.1	941.0	999.2	837.7	720.1	652.0	628.2	622.3
65°	287.4	282.3	308.8	365.0	429.1	461.6	396.7	335.7	293.7	277.9	282.3
67.5°	74.0	72.0	73.6	92.2	112.8	133.4	112.0	85.5	74.4	75.2	75.2
70°	42.0	39.6	32.1	29.7	28.9	28.9	28.9	28.9	33.3	39.2	40.4
72.5°	31.7	29.7	23.4	20.2	17.8	16.6	17.4	20.2	24.1	29.3	30.1
75°	15.8	15.8	14.3	13.5	11.9	11.1	11.5	12.7	14.6	16.6	16.2
77.5°	3.2	3.6	4.0	4.8	4.0	4.0	4.0	4.8	4.8	5.1	4.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)