

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: P630203

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630203
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 3373.7 lumens
Efficiency: N/A
Efficacy: 76.2 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

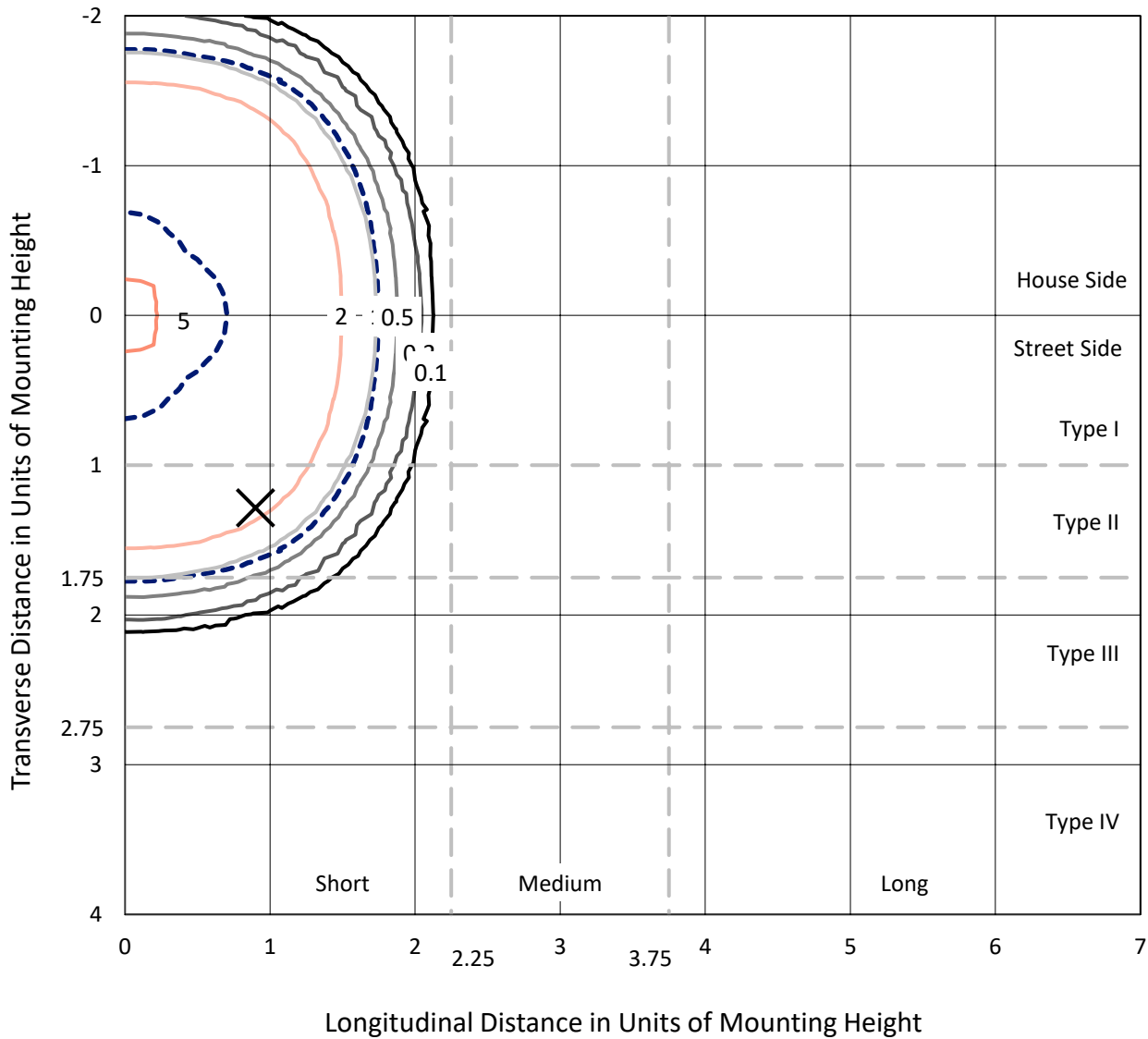
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

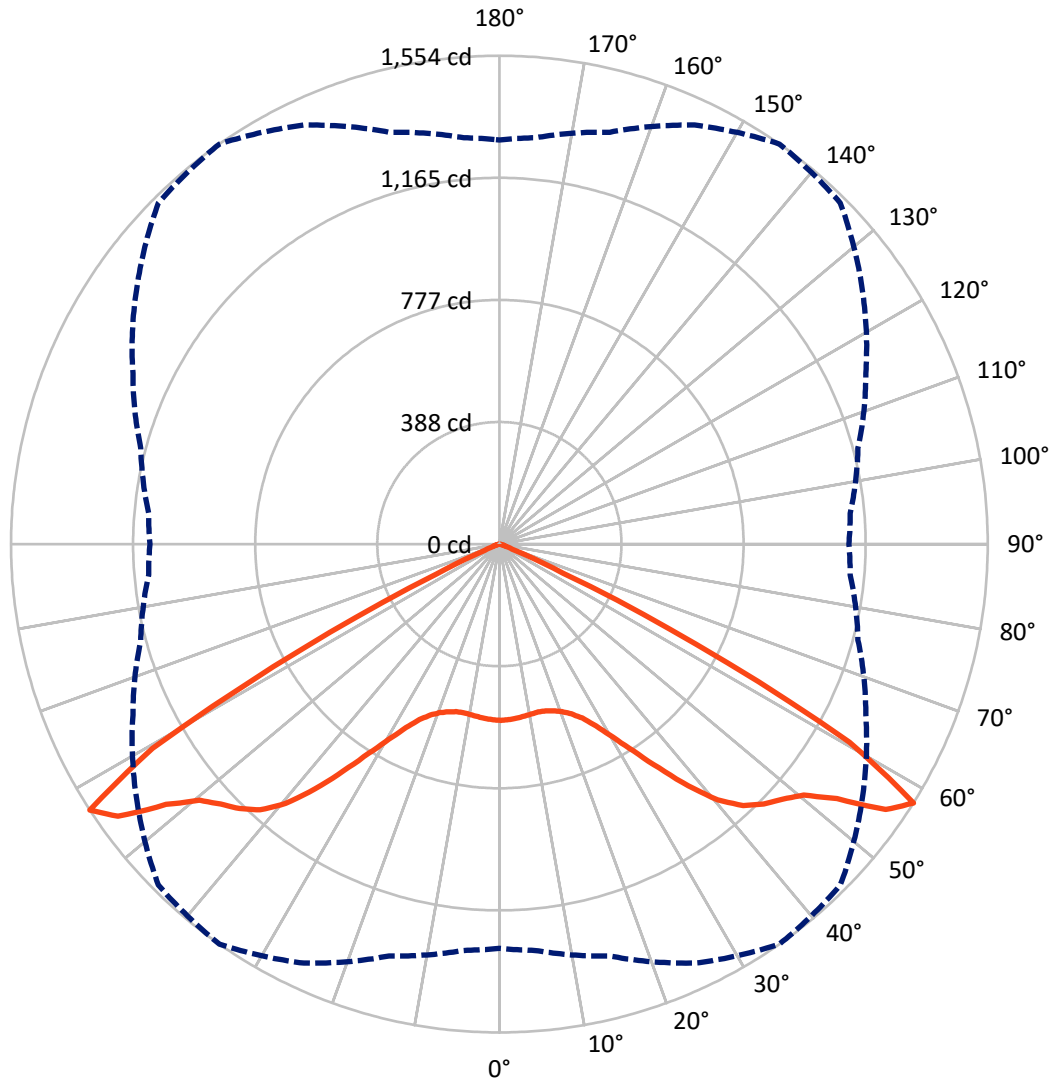
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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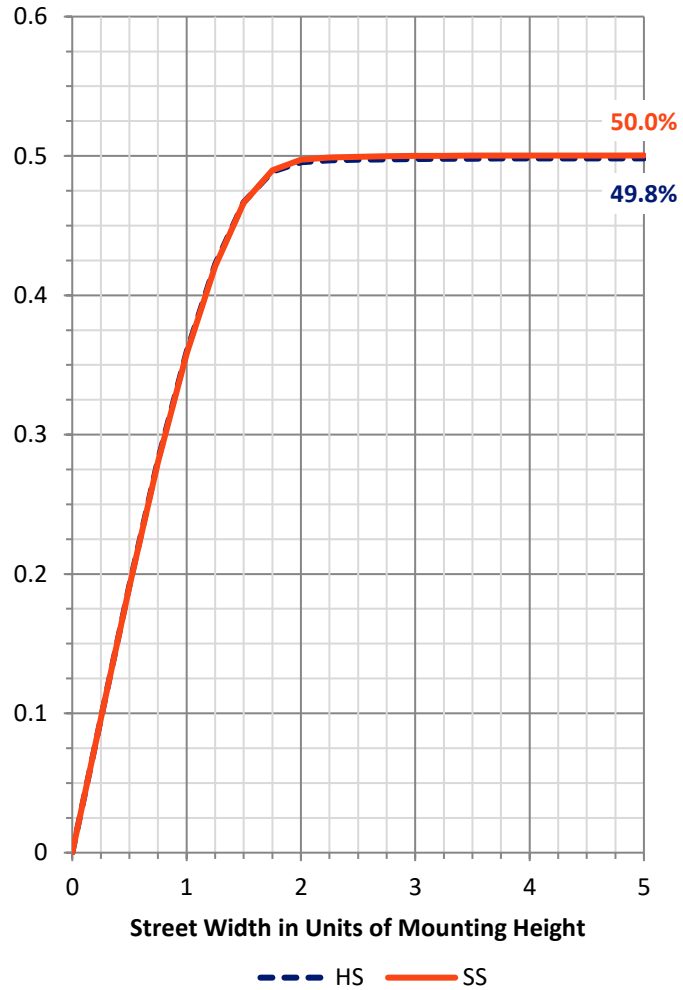
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1686.9	0.0	1686.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1686.9	0.0	1686.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3373.7	0.0	3373.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.6
10°-20°	155.5	4.6
20°-30°	281.0	8.3
30°-40°	524.2	15.5
40°-50°	879.4	26.1
50°-60°	1161.3	34.4
60°-70°	308.4	9.1
70°-80°	11.0	0.3
80°-90°	0.2	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°	3373.7	100.0
0°-180°	3373.7	100.0

Coefficient of Utilization



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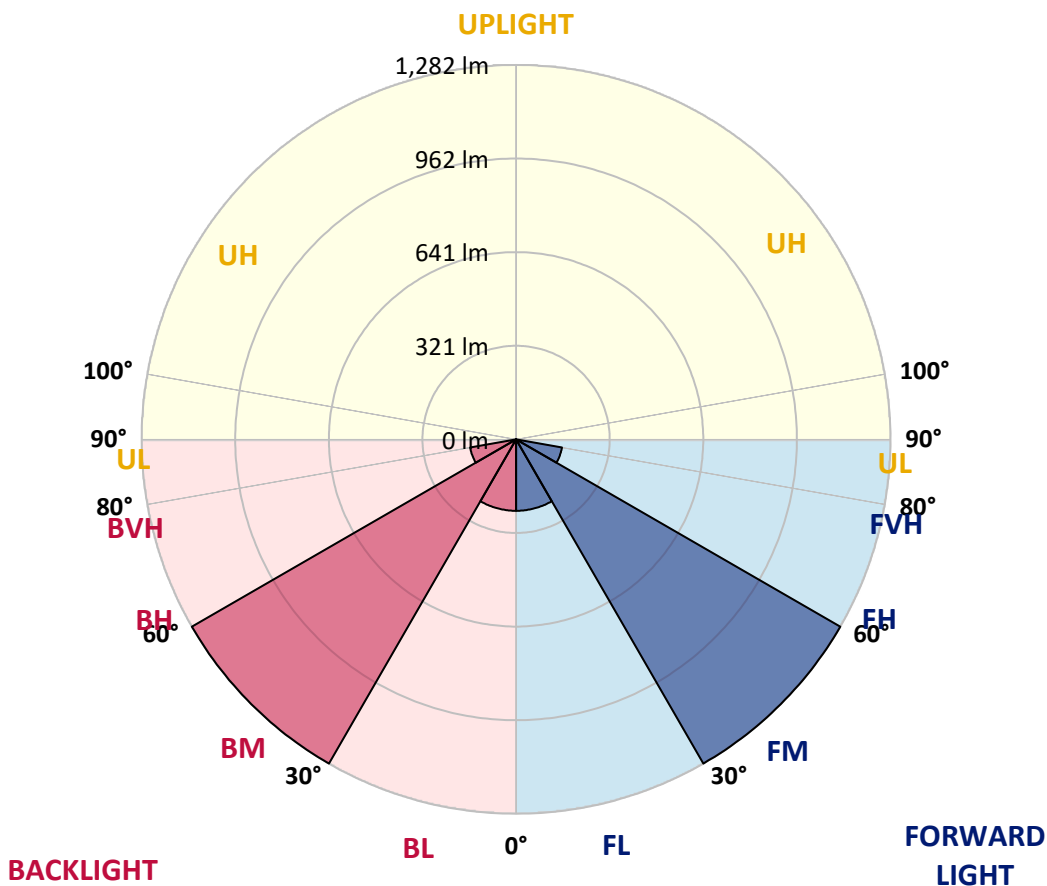
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.6	7.3			
FM (30°-60°)	1282.4	38.0			
FH (60°-80°)	159.7	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	244.6	7.3	B1/500		
BM (30°-60°)	1282.4	38.0	B2/2500		
BH (60°-80°)	159.7	4.7	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°	560.9	560.9	560.9	560.9	560.9	560.9	560.9	560.9	560.9	560.9	560.9
2.5°	556.9	556.6	558.1	559.3	559.3	562.1	561.3	560.5	559.7	558.5	561.3
5°	556.2	555.8	556.9	557.7	556.9	559.3	557.7	556.2	555.4	553.8	556.9
7.5°	552.6	553.0	553.8	554.6	553.4	555.4	553.4	551.0	549.0	547.4	550.2
10°	547.1	547.4	548.2	549.8	550.2	553.0	550.2	545.9	543.1	540.7	543.5
12.5°	544.3	544.7	545.9	547.8	548.2	551.8	548.2	541.9	537.9	535.2	537.9
15°	545.1	545.9	547.4	549.8	550.6	554.2	549.4	541.1	535.6	532.0	534.4
17.5°	547.8	548.6	551.0	555.0	557.7	561.3	555.4	544.7	537.2	532.0	534.4
20°	551.4	552.6	556.6	562.9	568.8	575.2	567.6	553.0	543.1	536.8	538.7
22.5°	561.3	562.5	568.0	576.3	586.2	594.2	585.1	566.4	553.0	544.7	546.7
25°	581.5	582.7	589.8	600.5	613.2	623.5	612.0	588.6	571.2	561.7	562.5
27.5°	613.2	614.3	622.7	637.7	654.7	669.4	652.7	625.4	605.6	594.6	594.6
30°	653.1	654.7	665.8	686.0	712.5	731.9	709.3	676.1	650.8	635.7	636.1
32.5°	704.6	703.0	718.8	746.6	784.2	809.9	776.6	736.3	705.0	684.0	686.0
35°	770.7	770.3	788.1	825.7	874.8	905.7	866.1	813.9	776.2	754.9	755.3
37.5°	855.8	855.4	876.0	916.8	975.8	1001.5	957.1	904.1	863.7	843.1	845.5
40°	955.6	953.2	971.4	1010.6	1069.6	1086.2	1037.9	995.1	956.4	943.3	949.6
42.5°	1050.6	1045.4	1056.1	1091.7	1137.3	1139.6	1103.2	1073.9	1047.4	1037.1	1041.1
45°	1127.0	1123.0	1132.9	1153.5	1179.6	1167.7	1150.3	1141.2	1119.8	1108.8	1112.3
47.5°	1184.0	1184.0	1195.8	1208.5	1212.5	1190.7	1193.5	1193.5	1172.1	1154.7	1150.3
50°	1233.0	1236.6	1254.4	1267.5	1254.4	1226.7	1242.5	1239.4	1195.8	1161.0	1151.9
52.5°	1311.4	1315.0	1342.3	1360.1	1345.5	1318.2	1320.1	1280.5	1216.4	1175.3	1161.0
55°	1394.6	1403.3	1442.8	1490.3	1490.7	1462.6	1410.4	1340.3	1262.3	1217.6	1203.0
57.5°	1285.7	1297.6	1356.6	1470.9	1553.7	1534.3	1409.6	1286.5	1181.2	1120.2	1111.9
60°	884.7	905.3	964.3	1120.6	1280.2	1287.7	1140.4	1002.3	881.5	806.3	807.9
62.5°	373.7	394.7	427.9	556.6	703.0	712.1	640.9	541.9	443.3	389.1	397.4
65°	87.9	93.8	103.7	154.0	223.3	233.5	215.3	167.8	123.9	104.9	106.9
67.5°	38.4	39.2	37.2	39.6	49.1	50.3	48.7	42.8	40.4	41.2	41.2
70°	26.9	27.3	25.7	24.5	23.4	21.8	22.6	24.9	26.9	28.5	28.1
72.5°	16.6	17.0	17.4	17.4	16.2	14.6	15.4	17.0	17.4	17.8	17.4
75°	8.3	8.7	9.5	9.9	9.5	9.1	9.1	9.5	9.5	9.1	9.1
77.5°	1.6	2.0	2.8	3.2	3.2	3.2	3.2	3.2	3.6	3.2	3.2
80°	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.4	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	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
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)