

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: P632686

Luminaire Tested: GWS-SA2D-730-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10779.2 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

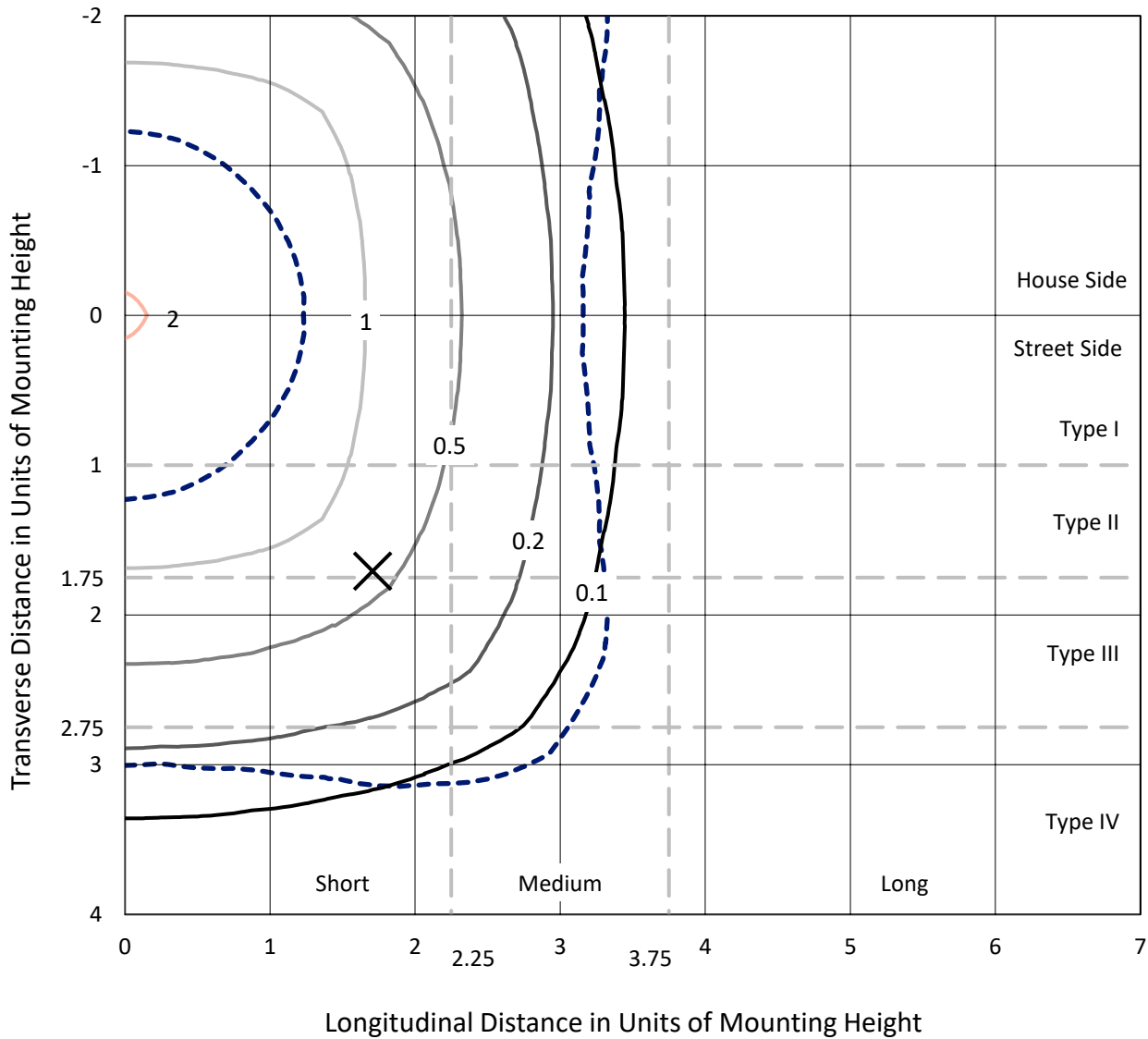
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

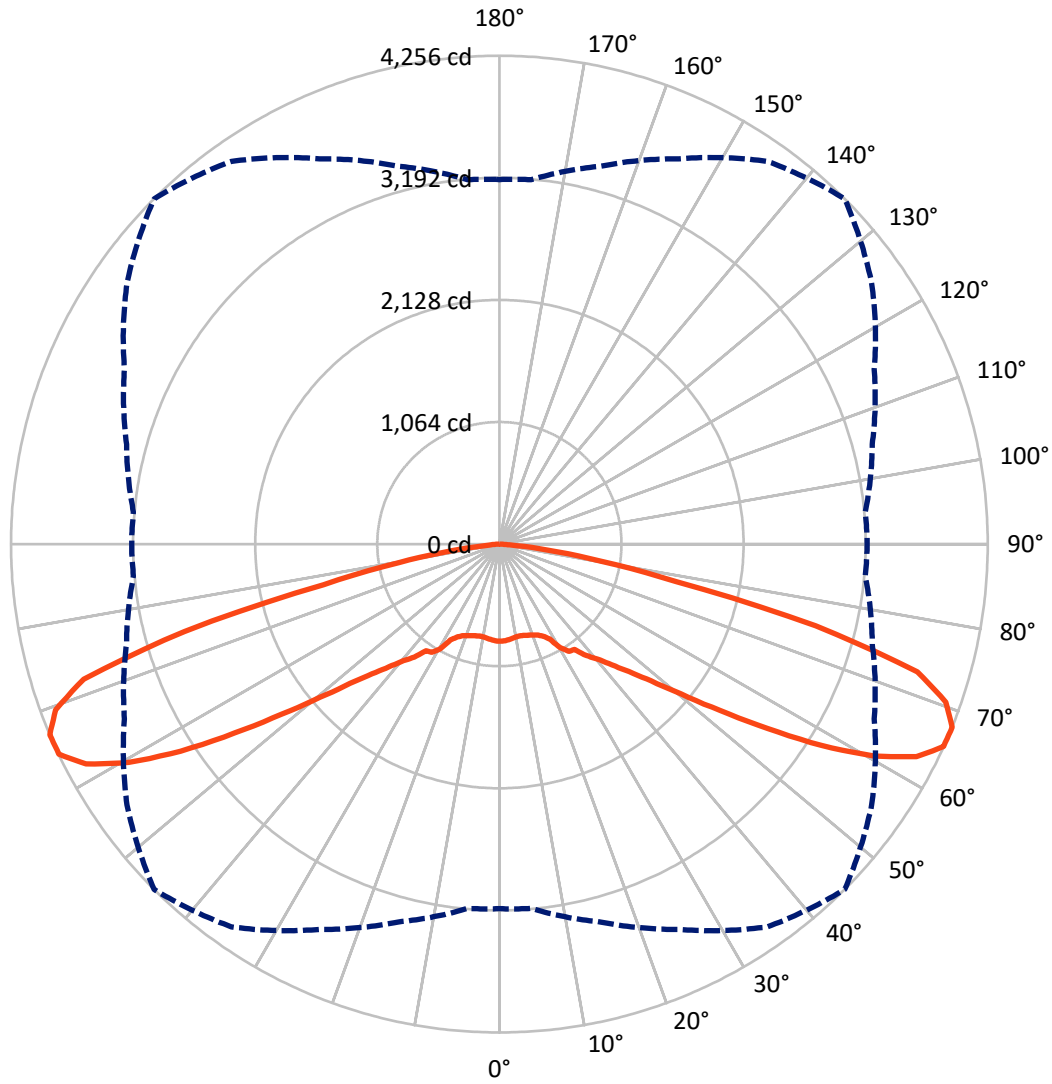
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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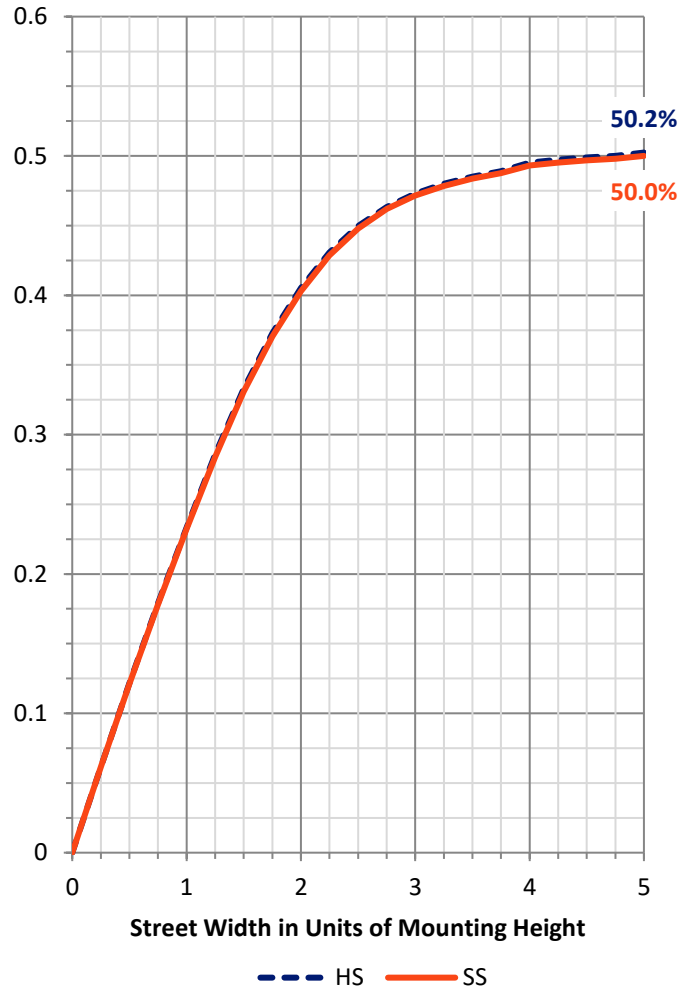
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5389.6	0.0	5389.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5389.6	0.0	5389.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10779.2	0.0	10779.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	0.7
10°-20°	235.5	2.2
20°-30°	422.5	3.9
30°-40°	713.7	6.6
40°-50°	1254.0	11.6
50°-60°	2419.1	22.4
60°-70°	3509.8	32.6
70°-80°	2008.1	18.6
80°-90°	137.1	1.3
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°	10779.2	100.0
0°-180°	10779.2	100.0

Coefficient of Utilization



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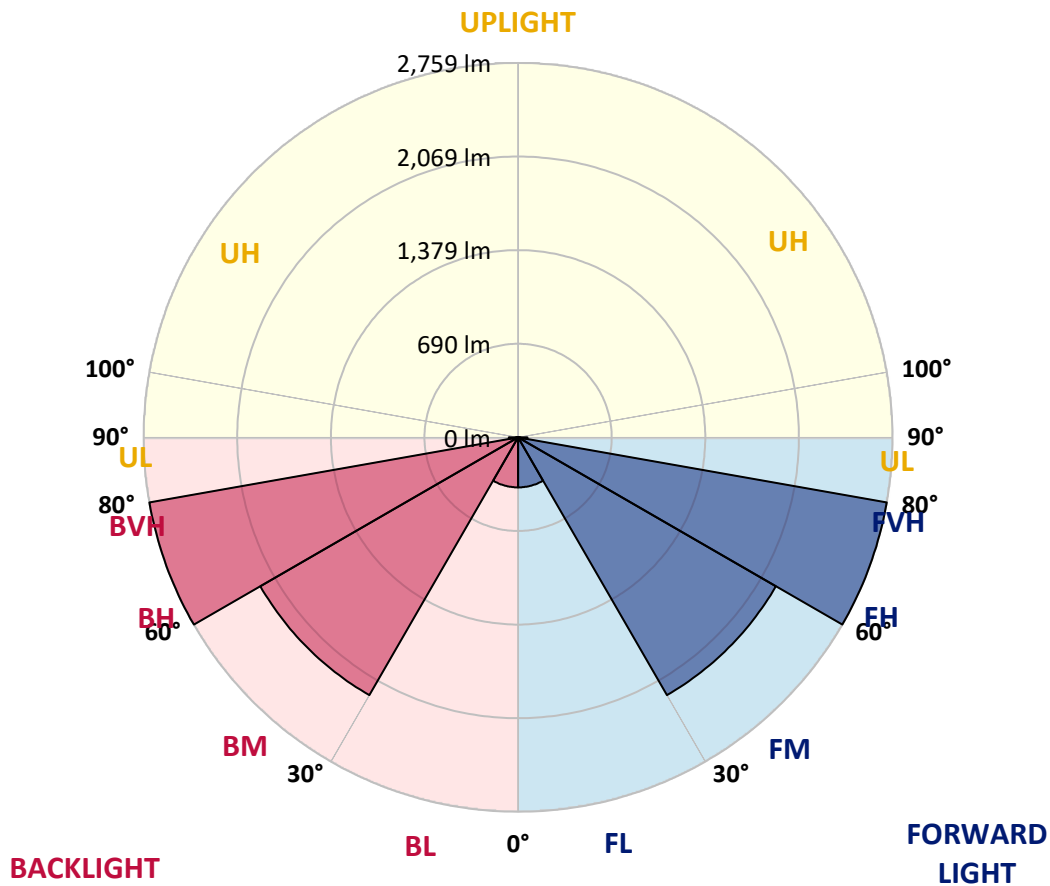
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.7	3.4			
FM (30°-60°)	2193.4	20.3			
FH (60°-80°)	2758.9	25.6			G2/5000
FVH (80°-90°)	68.5	0.6			G1/100
BL (0°-30°)	368.7	3.4	B1/500		
BM (30°-60°)	2193.4	20.3	B2/2500		
BH (60°-80°)	2758.9	25.6	B4/5000		G2/5000
BVH (80°-90°)	68.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3
2.5°	838.4	839.2	840.7	840.7	842.3	844.5	845.3	843.8	844.5	840.7	844.5
5°	836.2	836.9	837.7	836.2	836.2	836.9	836.9	835.4	836.2	832.4	836.2
7.5°	830.8	831.6	831.6	829.3	827.0	828.5	828.5	827.0	827.8	824.0	828.5
10°	826.3	826.3	825.5	820.9	818.6	820.9	821.7	822.4	825.5	822.4	827.8
12.5°	829.3	829.3	827.0	820.9	817.1	818.6	820.2	821.7	827.0	826.3	832.4
15°	837.7	838.4	832.4	825.5	823.2	825.5	824.0	823.2	830.1	832.4	839.2
17.5°	844.5	844.5	836.9	830.1	830.8	834.6	831.6	827.8	834.6	839.2	846.8
20°	850.6	849.9	841.5	836.9	840.0	845.3	843.0	837.7	842.3	847.6	854.5
22.5°	865.9	865.1	856.0	853.7	856.7	862.1	859.8	855.2	860.6	868.2	876.6
25°	909.3	907.8	894.1	886.5	884.9	888.8	888.0	886.5	894.9	904.0	913.9
27.5°	967.3	966.5	956.6	949.0	939.1	936.0	938.3	945.2	957.4	964.2	972.6
30°	996.2	996.2	994.7	1006.9	1028.2	1048.8	1032.8	1006.9	996.2	993.2	1001.6
32.5°	1034.3	1038.2	1032.8	1046.5	1082.4	1112.9	1082.4	1040.4	1032.8	1032.8	1042.0
35°	1122.0	1123.5	1115.1	1112.9	1124.3	1128.1	1113.6	1098.4	1106.8	1108.3	1119.7
37.5°	1192.1	1192.1	1188.3	1194.4	1218.0	1232.5	1208.9	1181.5	1183.7	1185.3	1199.7
40°	1300.4	1303.4	1294.3	1293.5	1302.6	1315.6	1290.4	1272.9	1285.1	1288.9	1311.0
42.5°	1435.3	1435.3	1421.6	1417.7	1423.8	1437.6	1413.9	1402.5	1418.5	1421.6	1434.5
45°	1596.1	1599.9	1581.6	1574.8	1577.8	1582.4	1565.6	1560.3	1575.5	1582.4	1605.2
47.5°	1792.0	1795.8	1779.8	1779.0	1776.0	1779.0	1763.0	1760.0	1772.2	1766.8	1791.2
50°	2033.6	2040.5	2026.8	2045.8	2043.5	2052.7	2030.6	2014.6	2014.6	2000.1	2013.8
52.5°	2304.2	2317.9	2324.8	2356.8	2381.2	2404.1	2367.5	2342.3	2305.7	2276.0	2313.4
55°	2599.2	2595.4	2638.8	2709.0	2780.6	2834.7	2763.1	2683.8	2624.3	2562.6	2577.1
57.5°	2857.6	2870.5	2927.7	3055.8	3197.5	3311.9	3183.1	3030.6	2895.7	2807.3	2819.5
60°	3072.5	3083.2	3159.4	3343.9	3591.6	3749.4	3545.1	3293.6	3097.7	2975.7	2988.7
62.5°	3270.7	3280.6	3357.6	3561.1	3873.6	4079.4	3815.7	3471.9	3253.9	3131.2	3138.8
65°	3385.0	3391.1	3496.3	3710.5	4039.8	4252.5	3955.2	3600.8	3386.6	3261.6	3266.1
67.5°	3177.0	3186.9	3408.7	3704.4	4071.8	4255.5	3961.3	3604.6	3363.7	3200.6	3204.4
70°	2506.2	2497.8	2762.3	3270.7	3888.1	4127.5	3785.2	3334.0	2962.0	2734.1	2730.3
72.5°	1910.9	1913.2	2060.3	2408.6	3170.1	3808.8	3340.1	2684.6	2283.6	2110.6	2103.7
75°	1385.7	1407.1	1526.7	1782.1	2217.3	2846.9	2514.6	1989.4	1721.1	1617.4	1602.2
77.5°	624.3	651.7	818.6	1118.9	1482.5	1573.2	1579.3	1350.7	1019.1	846.8	820.2
80°	182.2	195.1	250.8	429.1	690.6	892.6	708.9	596.1	371.2	291.2	277.5
82.5°	77.0	87.7	107.5	118.9	200.5	413.9	257.6	163.9	152.4	123.5	112.8
85°	32.8	35.1	45.0	48.0	64.8	88.4	81.6	73.9	70.9	54.9	50.3
87.5°	13.7	13.7	13.7	12.2	11.4	12.2	16.8	21.3	28.2	22.1	20.6
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)