

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: P632240

Luminaire Tested: GWS-SA2C-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9453.3 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

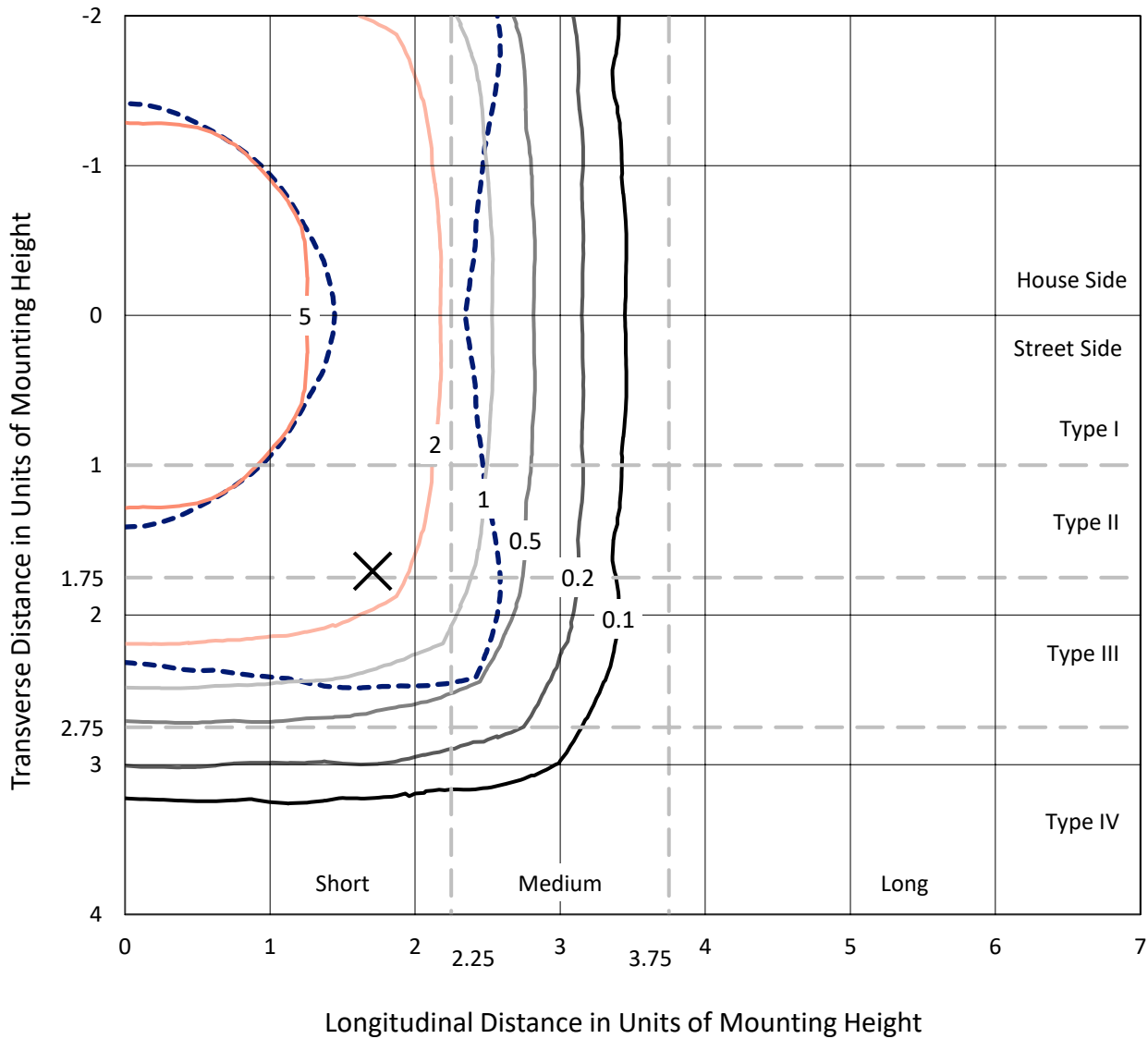
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632240
 CATALOG NUMBER: GWS-SA2C-735-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

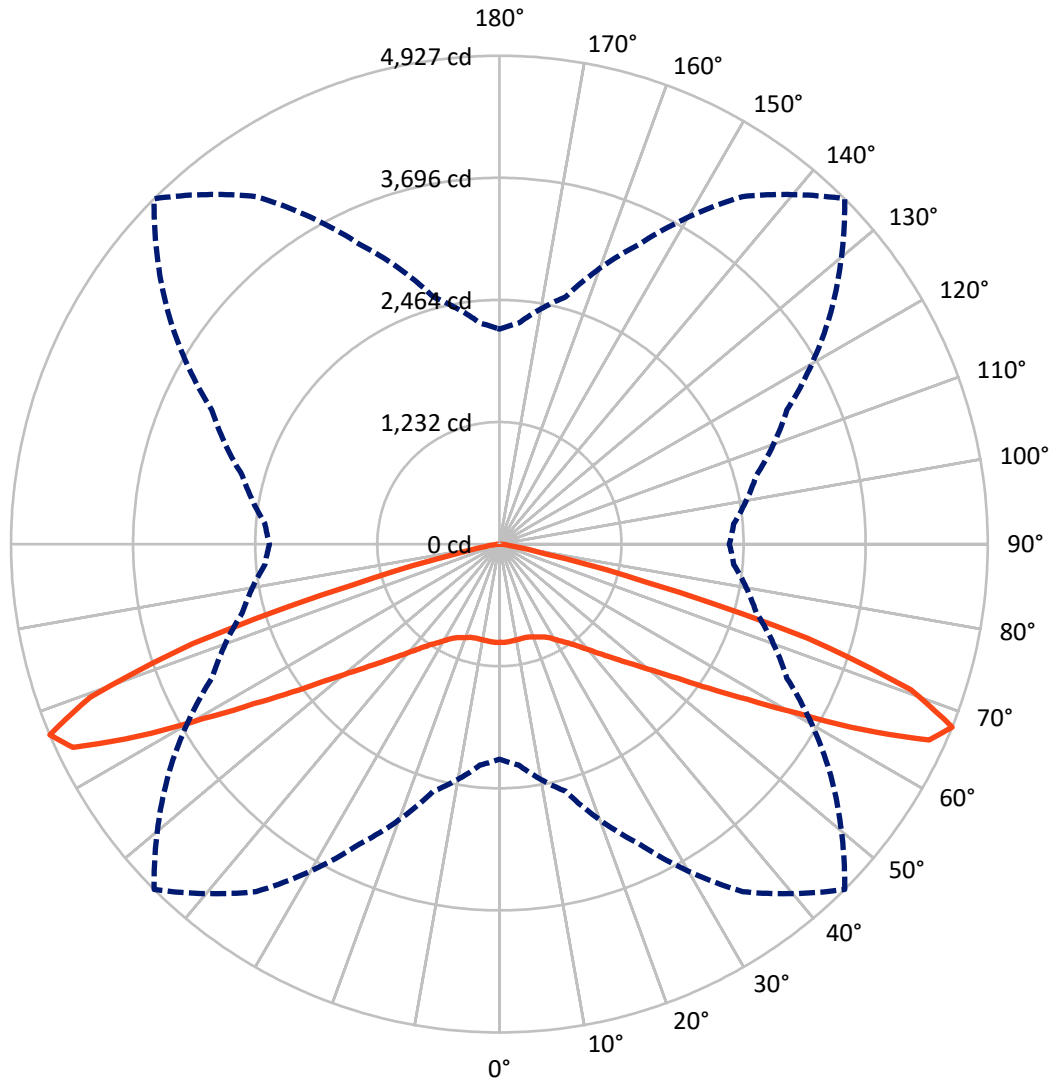
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type V - Short - N/A

REPORT NUMBER: P632240
CATALOG NUMBER: GWS-SA2C-735-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632240

CATALOG NUMBER: GWS-SA2C-735-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4726.6	0.0	4726.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4726.6	0.0	4726.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9453.3	0.0	9453.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.0
10°-20°	275.2	2.9
20°-30°	474.7	5.0
30°-40°	771.9	8.2
40°-50°	1299.6	13.7
50°-60°	2302.7	24.4
60°-70°	3291.6	34.8
70°-80°	903.4	9.6
80°-90°	40.5	0.4
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°	9453.3	100.0
0°-180°	9453.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632240

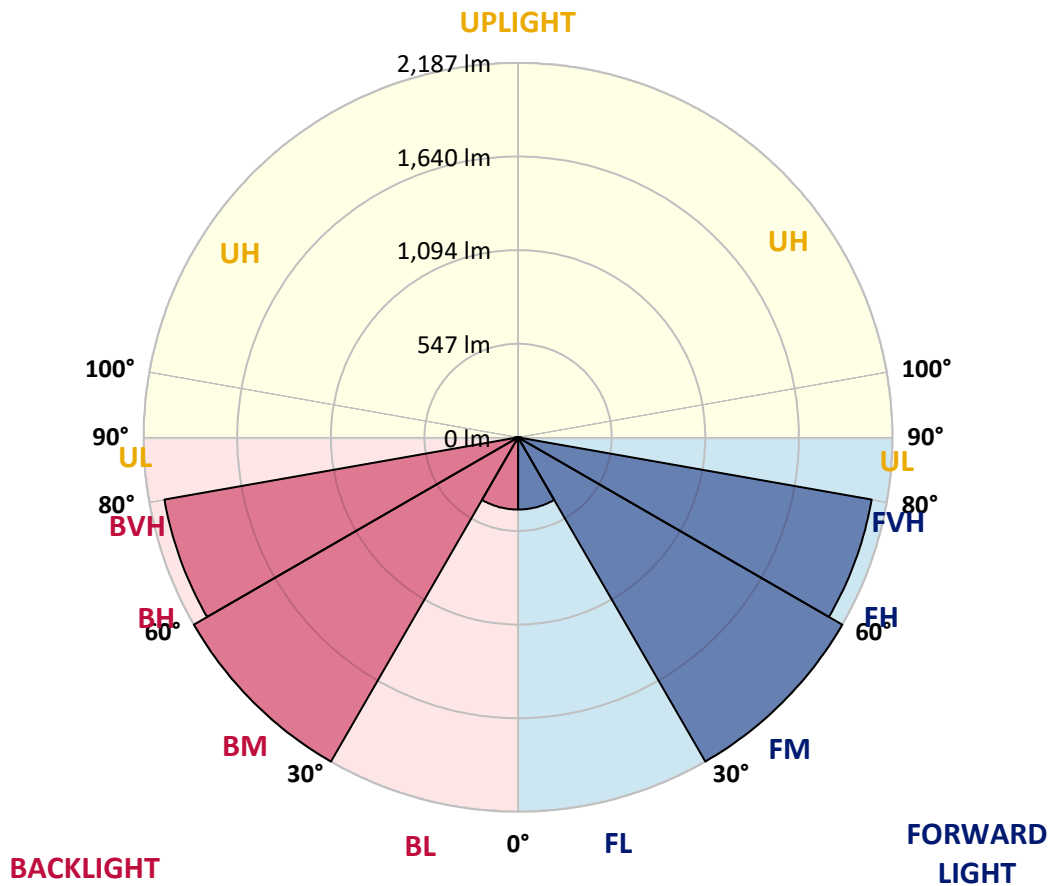
CATALOG NUMBER: GWS-SA2C-735-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.8	4.5			
FM (30°-60°)	2187.1	23.1			
FH (60°-80°)	2097.5	22.2			G2/5000
FVH (80°-90°)	20.2	0.2			G1/100
BL (0°-30°)	421.8	4.5	B1/500		
BM (30°-60°)	2187.1	23.1	B2/2500		
BH (60°-80°)	2097.5	22.2	B3/2500		G2/5000
BVH (80°-90°)	20.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P632240
 CATALOG NUMBER: GWS-SA2C-735-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1	990.1
2.5°	983.5	982.9	986.1	988.1	987.4	992.0	991.4	990.1	990.1	988.1	993.3
5°	983.5	982.9	985.5	986.1	984.8	988.8	987.4	986.1	986.1	983.5	988.1
7.5°	978.3	978.9	980.9	982.2	980.9	984.2	982.2	979.6	978.9	976.3	980.9
10°	968.5	969.1	971.1	974.4	975.0	980.9	977.6	973.1	971.1	968.5	973.1
12.5°	962.6	963.2	965.2	969.1	970.4	978.3	975.0	967.8	964.5	961.9	966.5
15°	961.3	961.9	964.5	968.5	970.4	978.3	975.0	966.5	961.9	958.7	962.6
17.5°	961.3	962.6	966.5	972.4	976.3	984.2	980.3	970.4	963.9	958.0	961.9
20°	961.9	963.9	969.8	978.3	988.1	999.2	994.0	980.9	971.7	964.5	967.2
22.5°	967.8	971.1	978.3	989.4	1003.8	1016.9	1012.3	994.6	981.6	971.7	974.4
25°	988.1	989.4	998.6	1013.0	1026.7	1037.8	1033.3	1016.9	1000.5	988.8	992.0
27.5°	1024.1	1027.4	1035.2	1050.3	1062.0	1067.9	1067.3	1056.2	1039.8	1029.3	1031.9
30°	1067.3	1070.6	1081.0	1098.0	1109.8	1116.4	1114.4	1105.9	1090.8	1076.4	1079.1
32.5°	1117.7	1119.0	1131.4	1150.4	1162.8	1172.6	1166.1	1156.9	1138.0	1120.9	1122.3
35°	1181.8	1183.8	1196.8	1214.5	1224.3	1232.2	1230.9	1221.7	1201.4	1183.1	1187.7
37.5°	1262.3	1263.6	1275.4	1297.6	1305.5	1311.4	1312.7	1308.1	1287.2	1263.6	1268.2
40°	1362.4	1363.1	1376.1	1395.8	1404.3	1408.2	1408.9	1409.5	1387.9	1370.3	1368.9
42.5°	1478.9	1482.2	1500.5	1519.5	1523.4	1521.4	1528.0	1534.5	1513.6	1489.4	1491.3
45°	1618.3	1620.2	1645.1	1666.0	1658.8	1652.3	1664.7	1677.8	1658.8	1627.4	1618.3
47.5°	1783.2	1787.1	1813.9	1834.9	1823.1	1811.3	1831.6	1845.3	1814.6	1781.2	1772.7
50°	1969.7	1972.3	2010.2	2036.4	2022.7	2001.1	2026.6	2041.0	1999.8	1958.5	1940.2
52.5°	2190.2	2185.0	2235.3	2281.1	2272.6	2244.5	2265.4	2268.1	2206.5	2148.3	2130.0
55°	2459.1	2453.9	2504.3	2554.7	2575.6	2568.4	2558.6	2542.9	2451.9	2389.8	2372.8
57.5°	2772.6	2756.2	2826.9	2894.9	2940.8	2953.8	2912.0	2875.3	2803.3	2726.8	2707.1
60°	3063.8	3063.1	3175.0	3292.8	3418.4	3470.8	3364.8	3265.3	3103.7	2964.3	2936.2
62.5°	3145.6	3159.3	3342.5	3634.4	3944.6	4129.7	3850.3	3521.2	3209.0	2999.0	2961.7
65°	2944.0	2978.1	3238.5	3699.2	4311.7	4764.5	4133.7	3527.1	3091.9	2830.2	2790.9
67.5°	2169.9	2238.0	2582.8	3338.0	4280.3	4927.4	4083.3	3200.5	2685.5	2374.1	2319.8
70°	1070.6	1135.3	1408.9	2196.1	3521.8	4404.6	3533.0	2412.0	1813.9	1514.2	1464.5
72.5°	393.9	420.1	527.4	939.7	1943.5	3253.5	2415.9	1347.4	878.8	699.5	666.2
75°	193.0	197.6	214.0	315.4	717.2	1531.2	1135.3	517.0	323.3	281.4	272.2
77.5°	123.0	125.0	132.8	150.5	230.3	482.3	344.2	204.2	158.4	151.8	151.8
80°	68.7	70.7	81.1	93.6	108.0	165.6	123.7	122.4	104.0	91.0	89.0
82.5°	32.7	36.0	51.7	51.0	56.9	83.1	72.6	66.1	66.7	50.4	47.8
85°	15.1	15.1	20.3	24.2	25.5	28.1	33.4	38.0	37.3	25.5	27.5
87.5°	7.2	7.2	7.2	6.5	5.9	5.2	7.2	11.8	17.0	11.8	11.1
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)