

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: P632350

Luminaire Tested: GWS-SA2C-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632350
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-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9804.3 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

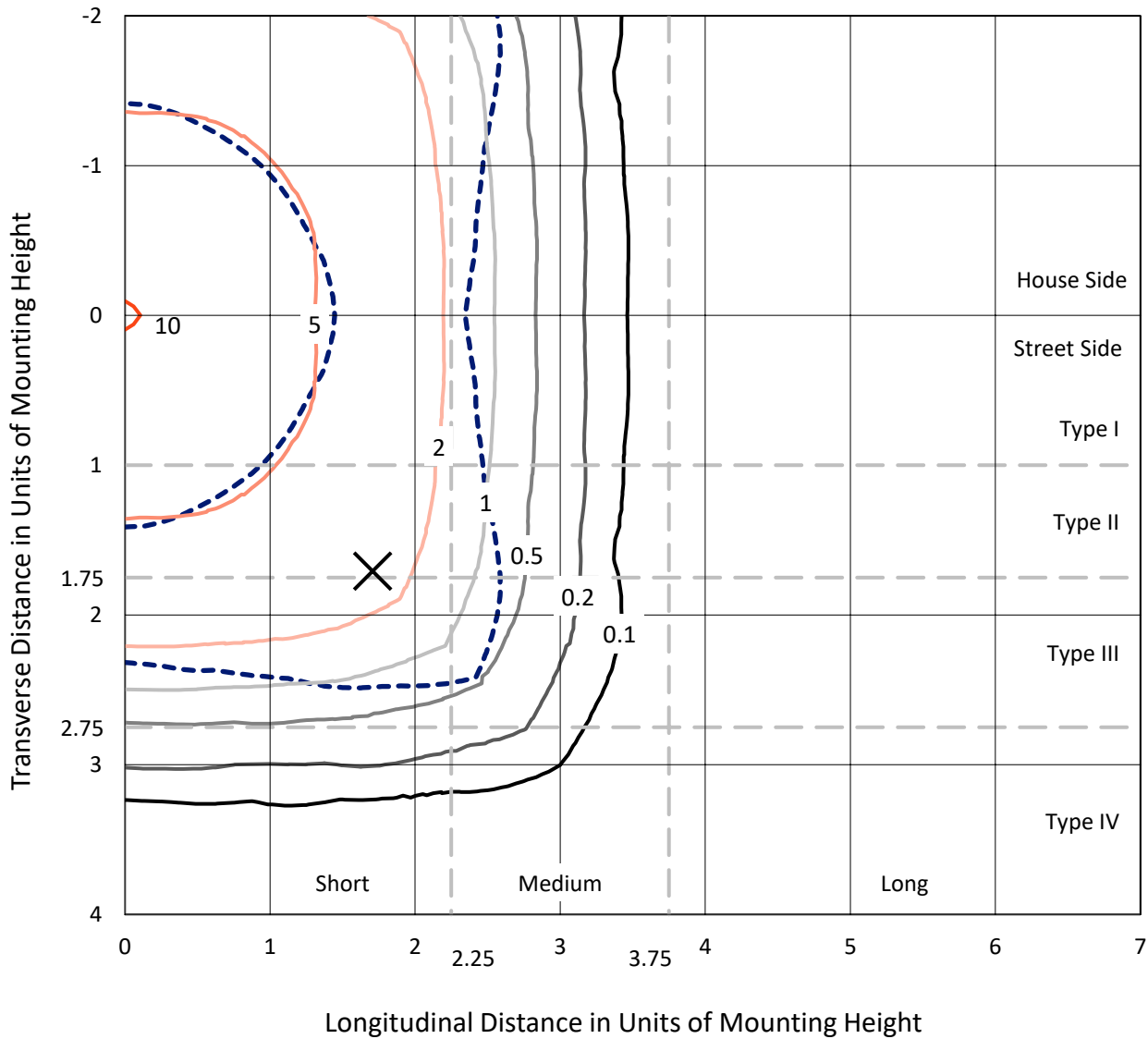
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632350
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Iso-Footcandle Lines of Horizontal Illumination

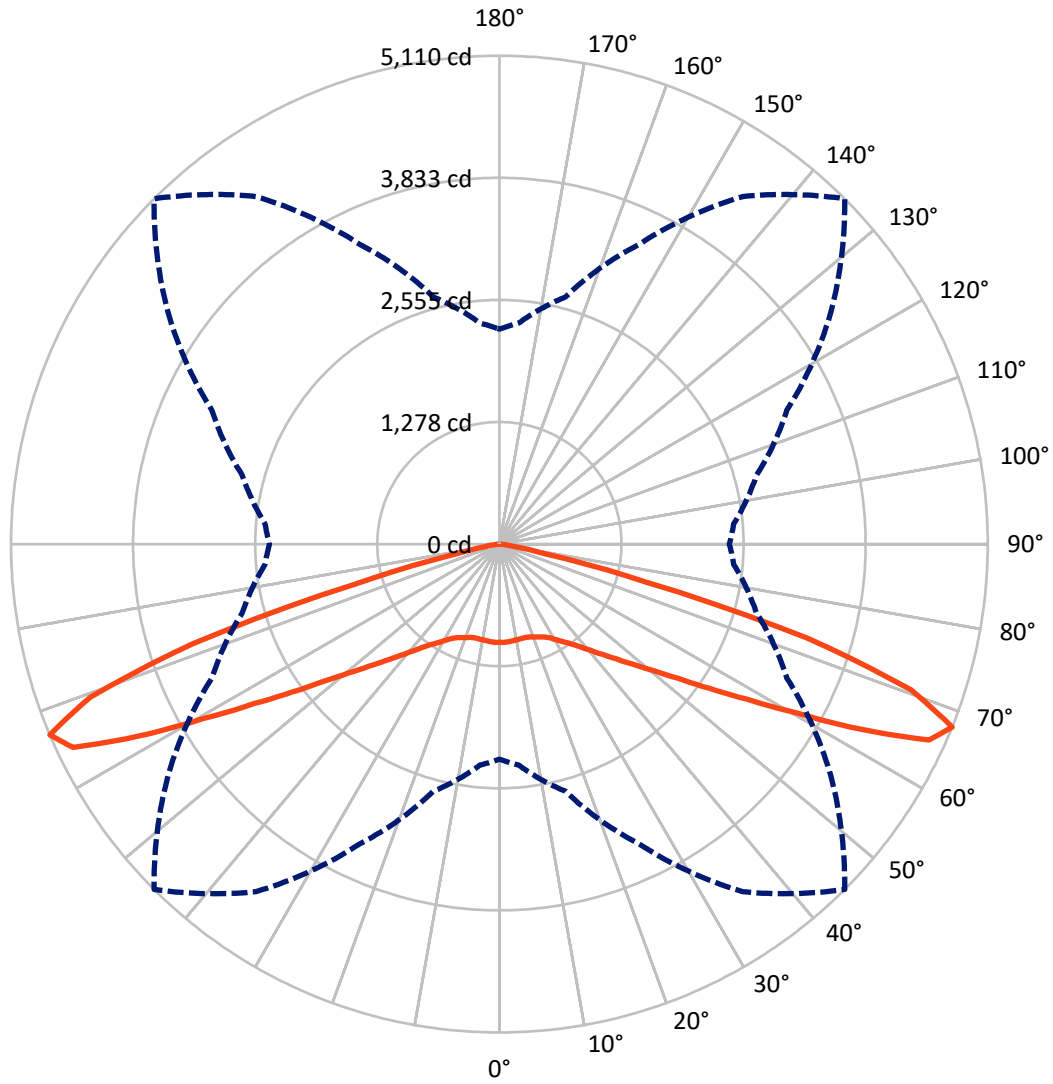
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type V - Short - N/A

REPORT NUMBER: P632350
CATALOG NUMBER: GWS-SA2C-750-U-5MQ-W

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	4902.1	0.0	4902.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4902.1	0.0	4902.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9804.3	0.0	9804.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	1.0
10°-20°	285.4	2.9
20°-30°	492.3	5.0
30°-40°	800.5	8.2
40°-50°	1347.9	13.7
50°-60°	2388.2	24.4
60°-70°	3413.8	34.8
70°-80°	936.9	9.6
80°-90°	42.0	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°	9804.3	100.0
0°-180°	9804.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632350

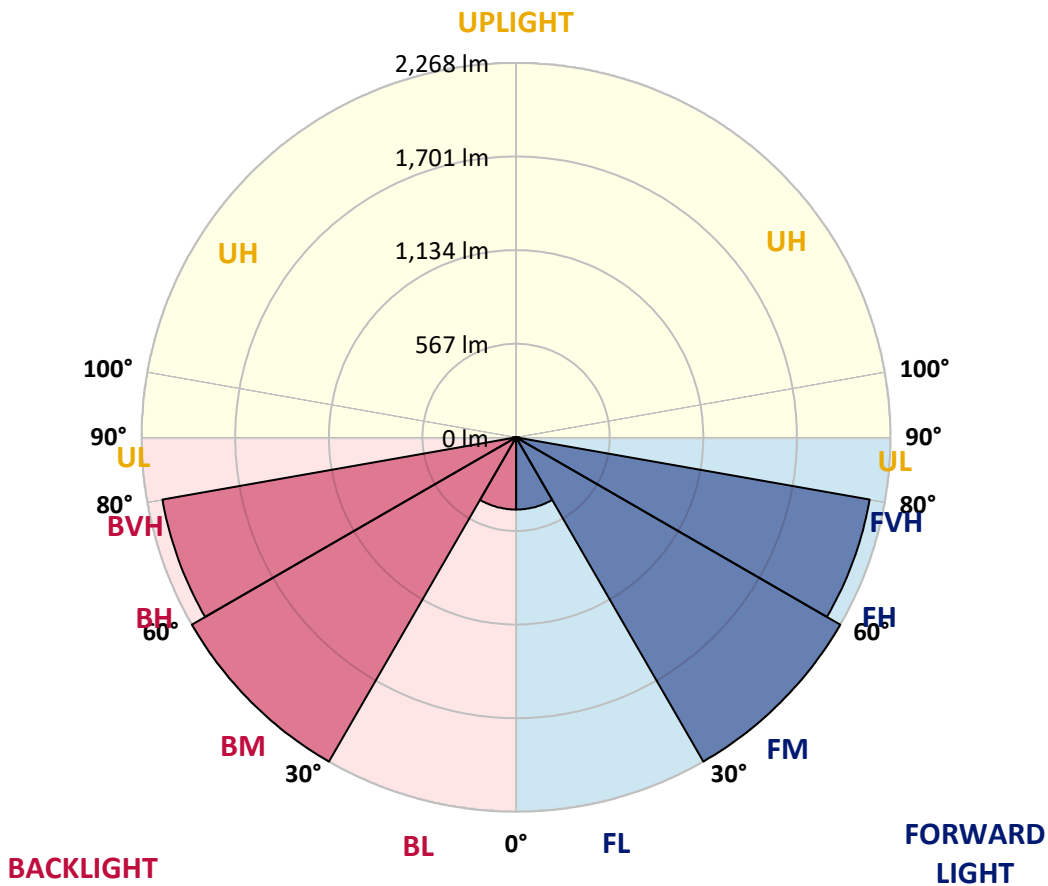
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.5	4.5			
FM (30°-60°)	2268.3	23.1			
FH (60°-80°)	2175.4	22.2			G2/5000
FVH (80°-90°)	21.0	0.2			G1/100
BL (0°-30°)	437.5	4.5	B1/500		
BM (30°-60°)	2268.3	23.1	B2/2500		
BH (60°-80°)	2175.4	22.2	B3/2500		G2/5000
BVH (80°-90°)	21.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8	1026.8
2.5°	1020.0	1019.4	1022.8	1024.8	1024.1	1028.9	1028.2	1026.8	1026.8	1024.8	1030.2
5°	1020.0	1019.4	1022.1	1022.8	1021.4	1025.5	1024.1	1022.8	1022.8	1020.0	1024.8
7.5°	1014.6	1015.3	1017.3	1018.7	1017.3	1020.7	1018.7	1016.0	1015.3	1012.6	1017.3
10°	1004.4	1005.1	1007.1	1010.5	1011.2	1017.3	1013.9	1009.2	1007.1	1004.4	1009.2
12.5°	998.3	999.0	1001.0	1005.1	1006.5	1014.6	1011.2	1003.8	1000.4	997.6	1002.4
15°	997.0	997.6	1000.4	1004.4	1006.5	1014.6	1011.2	1002.4	997.6	994.3	998.3
17.5°	997.0	998.3	1002.4	1008.5	1012.6	1020.7	1016.6	1006.5	999.7	993.6	997.6
20°	997.6	999.7	1005.8	1014.6	1024.8	1036.3	1030.9	1017.3	1007.8	1000.4	1003.1
22.5°	1003.8	1007.1	1014.6	1026.1	1041.1	1054.7	1049.9	1031.6	1018.0	1007.8	1010.5
25°	1024.8	1026.1	1035.7	1050.6	1064.8	1076.4	1071.6	1054.7	1037.7	1025.5	1028.9
27.5°	1062.1	1065.5	1073.7	1089.3	1101.5	1107.6	1106.9	1095.4	1078.4	1067.5	1070.3
30°	1106.9	1110.3	1121.2	1138.8	1151.0	1157.8	1155.8	1147.0	1131.3	1116.4	1119.1
32.5°	1159.2	1160.5	1173.4	1193.1	1206.0	1216.2	1209.4	1199.9	1180.2	1162.6	1163.9
35°	1225.7	1227.7	1241.3	1259.6	1269.8	1277.9	1276.6	1267.1	1246.0	1227.0	1231.8
37.5°	1309.2	1310.5	1322.7	1345.8	1353.9	1360.1	1361.4	1356.7	1334.9	1310.5	1315.3
40°	1413.0	1413.7	1427.2	1447.6	1456.4	1460.5	1461.2	1461.9	1439.5	1421.1	1419.8
42.5°	1533.8	1537.2	1556.2	1575.9	1579.9	1577.9	1584.7	1591.5	1569.8	1544.7	1546.7
45°	1678.4	1680.4	1706.2	1727.9	1720.4	1713.6	1726.5	1740.1	1720.4	1687.9	1678.4
47.5°	1849.4	1853.4	1881.3	1903.0	1890.8	1878.6	1899.6	1913.8	1882.0	1847.3	1838.5
50°	2042.8	2045.5	2084.9	2112.0	2097.8	2075.4	2101.8	2116.8	2074.0	2031.3	2012.3
52.5°	2271.5	2266.1	2318.3	2365.8	2357.0	2327.8	2349.6	2352.3	2288.5	2228.1	2209.1
55°	2550.4	2545.0	2597.3	2649.5	2671.2	2663.8	2653.6	2637.3	2543.0	2478.5	2460.9
57.5°	2875.5	2858.6	2931.9	3002.4	3049.9	3063.5	3020.1	2982.1	2907.4	2828.0	2807.7
60°	3177.5	3176.9	3292.9	3415.1	3545.4	3599.7	3489.7	3386.6	3218.9	3074.4	3045.2
62.5°	3262.4	3276.6	3466.6	3769.3	4091.0	4283.1	3993.3	3651.9	3328.2	3110.3	3071.7
65°	3053.3	3088.6	3358.7	3836.5	4471.8	4941.4	4287.2	3658.0	3206.7	2935.2	2894.5
67.5°	2250.5	2321.1	2678.7	3461.9	4439.2	5110.4	4234.9	3319.4	2785.3	2462.2	2405.9
70°	1110.3	1177.5	1461.2	2277.6	3652.6	4568.1	3664.1	2501.6	1881.3	1570.4	1518.9
72.5°	408.6	435.7	547.0	974.6	2015.6	3374.3	2505.6	1397.4	911.5	725.5	690.9
75°	200.2	205.0	221.9	327.1	743.8	1588.1	1177.5	536.1	335.3	291.8	282.3
77.5°	127.6	129.6	137.8	156.1	238.9	500.2	357.0	211.7	164.2	157.5	157.5
80°	71.3	73.3	84.2	97.0	112.0	171.7	128.3	126.9	107.9	94.3	92.3
82.5°	33.9	37.3	53.6	52.9	59.0	86.2	75.3	68.5	69.2	52.3	49.5
85°	15.6	15.6	21.0	25.1	26.5	29.2	34.6	39.4	38.7	26.5	28.5
87.5°	7.5	7.5	7.5	6.8	6.1	5.4	7.5	12.2	17.6	12.2	11.5
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)