

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: P629875

Luminaire Tested: GWS-SA1C-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629875
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-SA1C-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5091.7 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

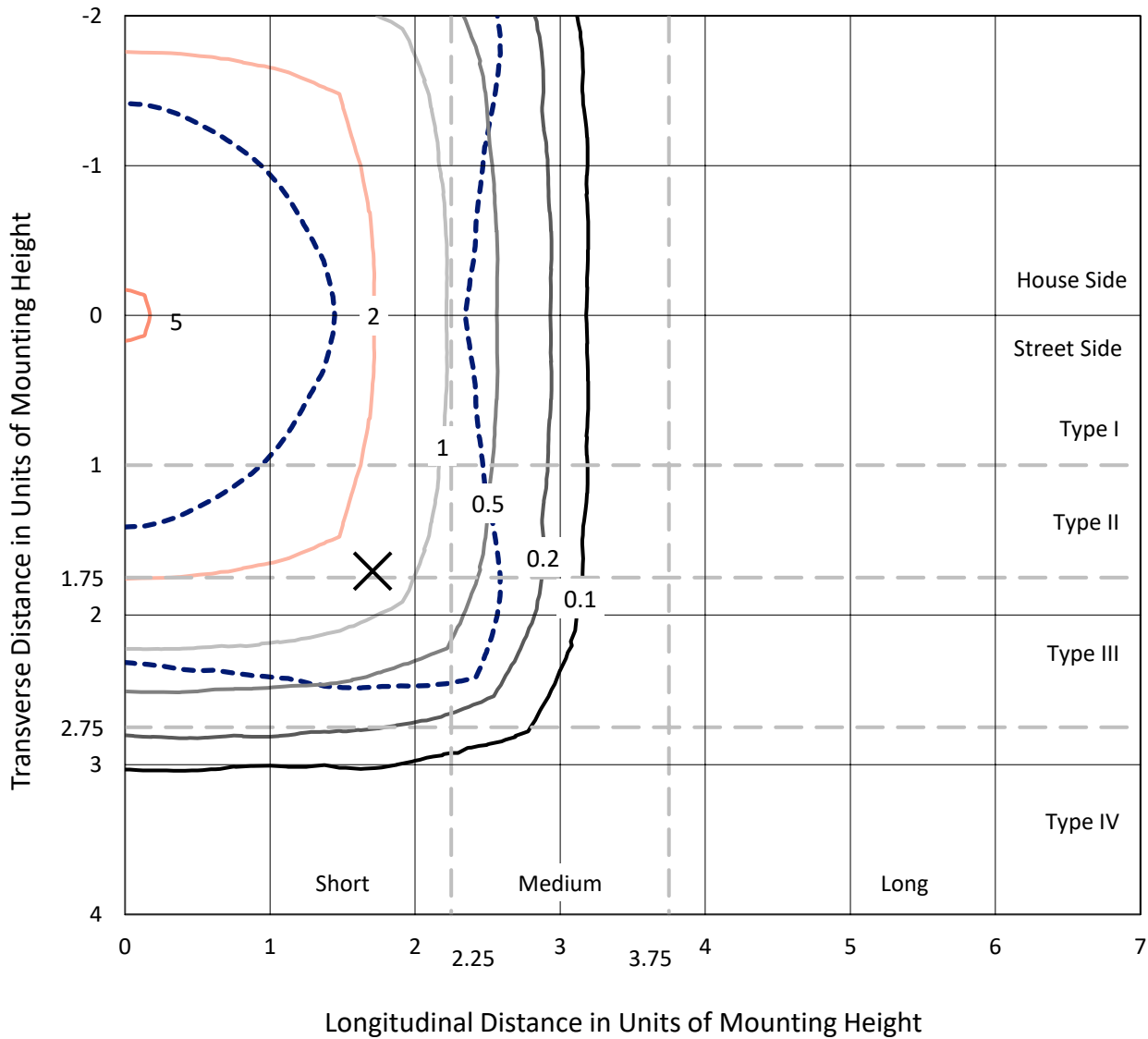
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629875
 CATALOG NUMBER: GWS-SA1C-750-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

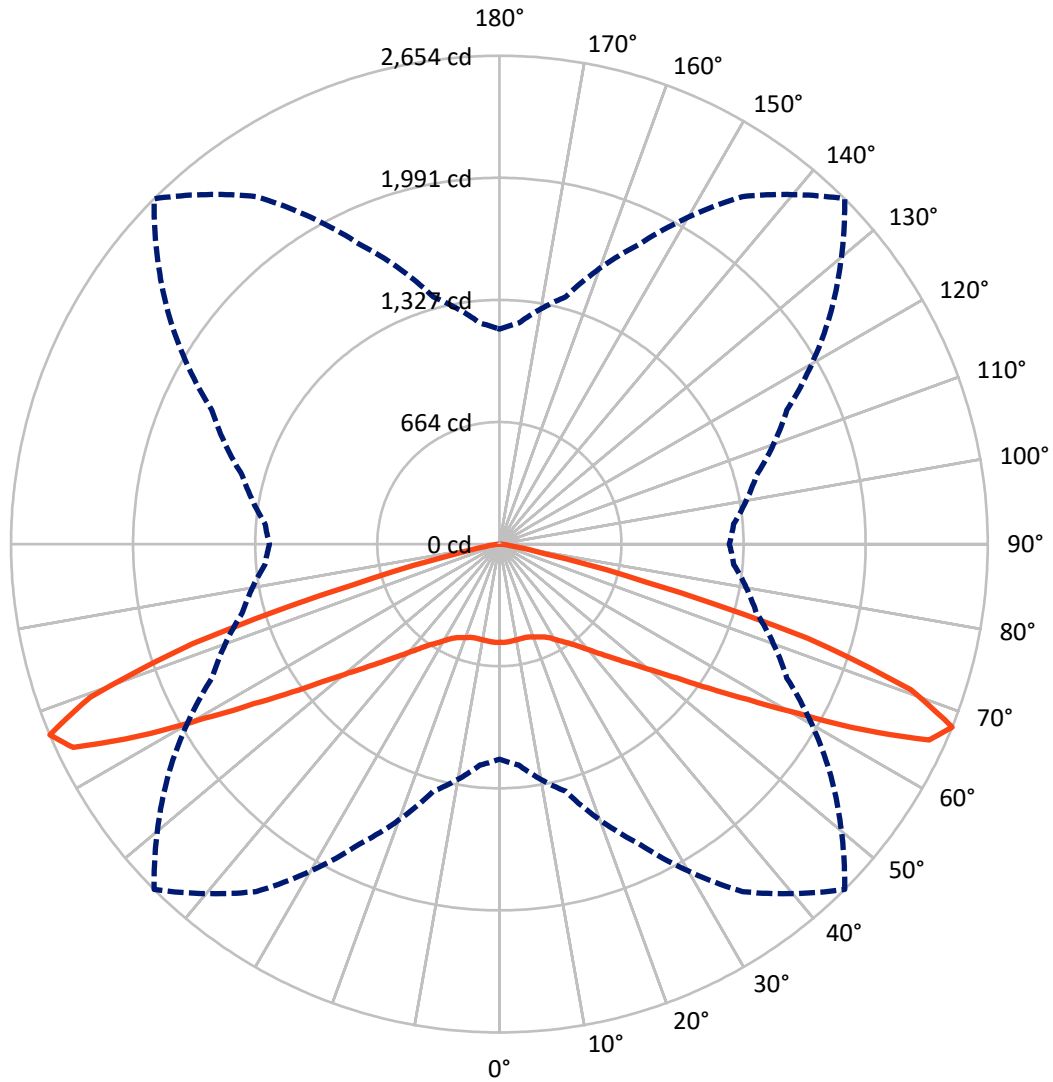
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P629875
CATALOG NUMBER: GWS-SA1C-750-U-5MQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629875

CATALOG NUMBER: GWS-SA1C-750-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2545.8	0.0	2545.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2545.8	0.0	2545.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5091.7	0.0	5091.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.0
10°-20°	148.2	2.9
20°-30°	255.7	5.0
30°-40°	415.7	8.2
40°-50°	700.0	13.7
50°-60°	1240.3	24.4
60°-70°	1772.9	34.8
70°-80°	486.6	9.6
80°-90°	21.8	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°	5091.7	100.0
0°-180°	5091.7	100.0

Coefficient of Utilization



REPORT NUMBER: P629875

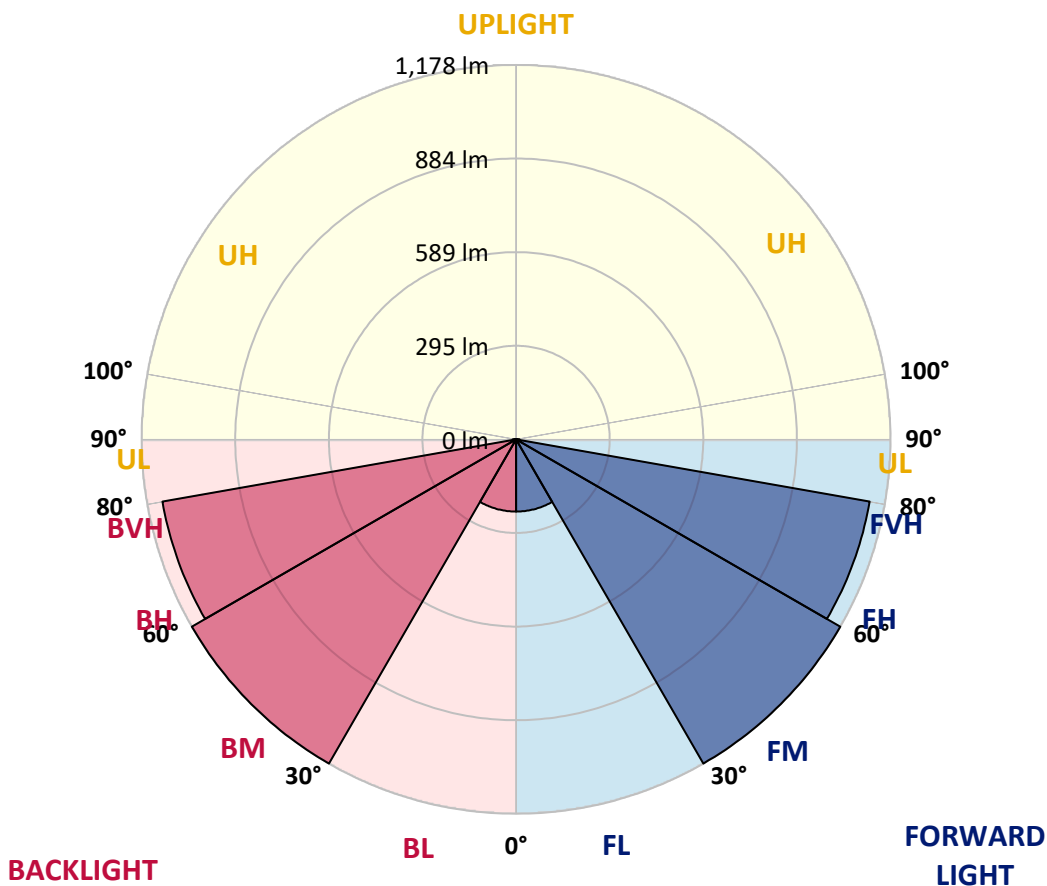
CATALOG NUMBER: GWS-SA1C-750-U-5MQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.2	4.5			
FM (30°-60°)	1178.0	23.1			
FH (60°-80°)	1129.7	22.2			G1/1800
FVH (80°-90°)	10.9	0.2			G1/100
BL (0°-30°)	227.2	4.5	B1/500		
BM (30°-60°)	1178.0	23.1	B2/2500		
BH (60°-80°)	1129.7	22.2	B3/2500		G1/1800
BVH (80°-90°)	10.9	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-G1

Type V Short





REPORT NUMBER: P629875
 CATALOG NUMBER: GWS-SA1C-750-U-5MQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3	533.3
2.5°	529.7	529.4	531.2	532.2	531.9	534.3	534.0	533.3	533.3	532.2	535.0
5°	529.7	529.4	530.8	531.2	530.4	532.6	531.9	531.2	531.2	529.7	532.2
7.5°	526.9	527.3	528.3	529.0	528.3	530.1	529.0	527.6	527.3	525.9	528.3
10°	521.6	522.0	523.0	524.8	525.2	528.3	526.6	524.1	523.0	521.6	524.1
12.5°	518.5	518.8	519.9	522.0	522.7	526.9	525.2	521.3	519.5	518.1	520.6
15°	517.8	518.1	519.5	521.6	522.7	526.9	525.2	520.6	518.1	516.3	518.5
17.5°	517.8	518.5	520.6	523.7	525.9	530.1	528.0	522.7	519.2	516.0	518.1
20°	518.1	519.2	522.3	526.9	532.2	538.2	535.4	528.3	523.4	519.5	520.9
22.5°	521.3	523.0	526.9	532.9	540.7	547.7	545.2	535.7	528.7	523.4	524.8
25°	532.2	532.9	537.8	545.6	553.0	559.0	556.5	547.7	538.9	532.6	534.3
27.5°	551.6	553.4	557.6	565.7	572.0	575.2	574.9	568.9	560.1	554.4	555.8
30°	574.9	576.6	582.3	591.4	597.8	601.3	600.2	595.7	587.5	579.8	581.2
32.5°	602.0	602.7	609.4	619.6	626.3	631.6	628.1	623.1	612.9	603.8	604.5
35°	636.5	637.6	644.6	654.2	659.4	663.7	663.0	658.0	647.1	637.2	639.7
37.5°	679.9	680.6	686.9	698.9	703.1	706.3	707.0	704.6	693.3	680.6	683.1
40°	733.8	734.2	741.2	751.8	756.4	758.5	758.8	759.2	747.6	738.0	737.3
42.5°	796.6	798.3	808.2	818.4	820.5	819.5	823.0	826.5	815.2	802.2	803.2
45°	871.6	872.7	886.1	897.4	893.5	890.0	896.6	903.7	893.5	876.6	871.6
47.5°	960.4	962.6	977.0	988.3	981.9	975.6	986.5	993.9	977.4	959.4	954.8
50°	1060.9	1062.3	1082.7	1096.8	1089.4	1077.8	1091.6	1099.3	1077.1	1054.9	1045.0
52.5°	1179.7	1176.9	1204.0	1228.7	1224.1	1208.9	1220.2	1221.6	1188.5	1157.1	1147.2
55°	1324.5	1321.7	1348.8	1376.0	1387.3	1383.4	1378.1	1369.6	1320.7	1287.2	1278.0
57.5°	1493.4	1484.5	1522.6	1559.3	1583.9	1591.0	1568.4	1548.7	1509.9	1468.7	1458.1
60°	1650.2	1649.8	1710.1	1773.6	1841.2	1869.4	1812.3	1758.8	1671.7	1596.6	1581.5
62.5°	1694.3	1701.7	1800.3	1957.5	2124.6	2224.3	2073.9	1896.6	1728.4	1615.3	1595.2
65°	1585.7	1604.0	1744.3	1992.4	2322.3	2566.2	2226.5	1899.7	1665.4	1524.4	1503.2
67.5°	1168.7	1205.4	1391.1	1797.9	2305.4	2654.0	2199.3	1723.9	1446.5	1278.7	1249.5
70°	576.6	611.5	758.8	1182.8	1896.9	2372.4	1902.9	1299.2	977.0	815.6	788.8
72.5°	212.2	226.3	284.1	506.1	1046.8	1752.4	1301.3	725.7	473.3	376.8	358.8
75°	104.0	106.4	115.3	169.9	386.3	824.7	611.5	278.4	174.1	151.6	146.6
77.5°	66.3	67.3	71.5	81.1	124.1	259.8	185.4	110.0	85.3	81.8	81.8
80°	37.0	38.1	43.7	50.4	58.2	89.2	66.6	65.9	56.0	49.0	47.9
82.5°	17.6	19.4	27.8	27.5	30.7	44.8	39.1	35.6	36.0	27.1	25.7
85°	8.1	8.1	10.9	13.0	13.7	15.2	18.0	20.4	20.1	13.7	14.8
87.5°	3.9	3.9	3.9	3.5	3.2	2.8	3.9	6.3	9.2	6.3	6.0
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)