

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: P630261

Luminaire Tested: GWS-SA1D-735-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4208.5 lumens
Efficiency: N/A
Efficacy: 95.0 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

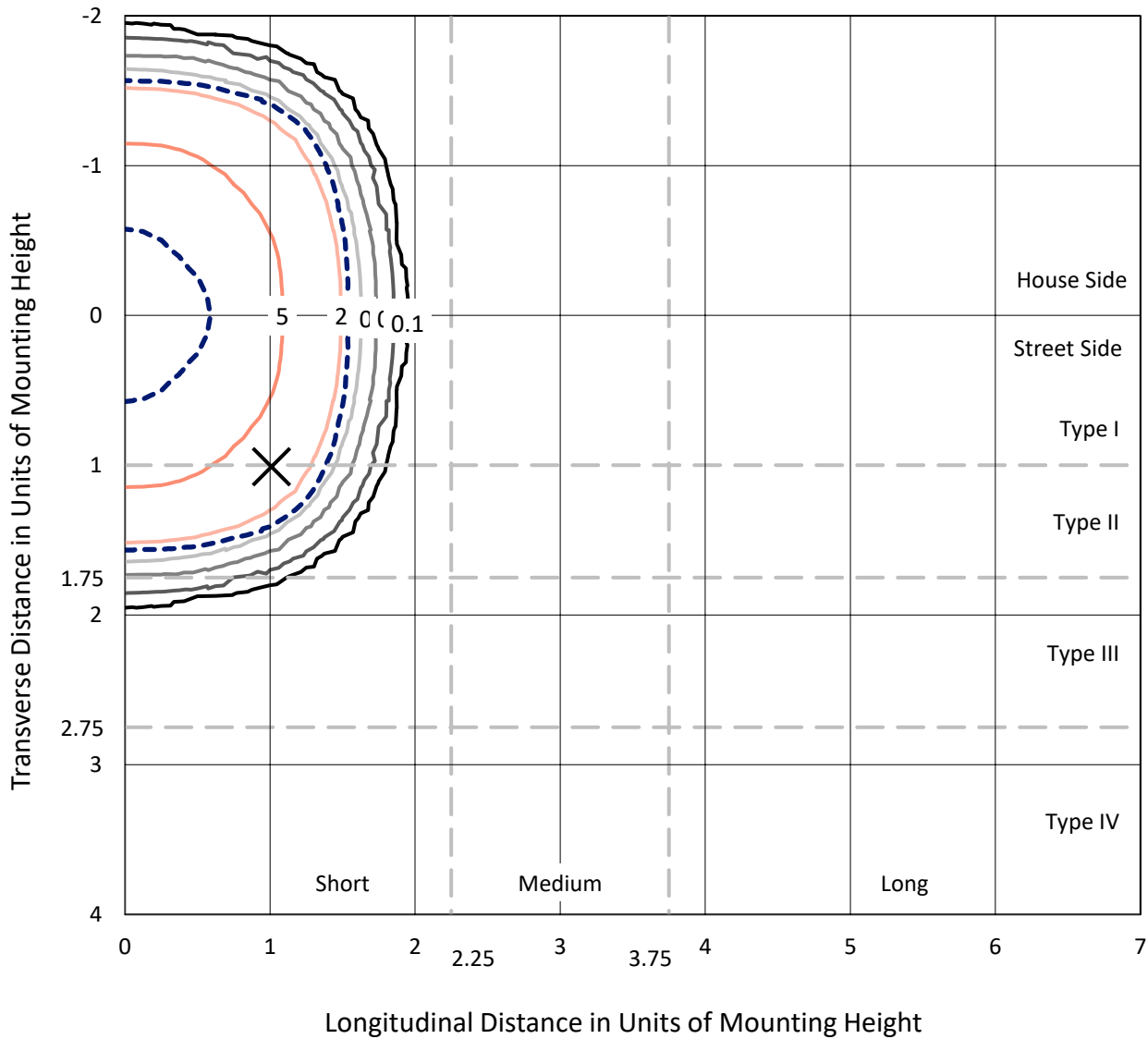


REPORT NUMBER: P630261

CATALOG NUMBER: GWS-SA1D-735-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

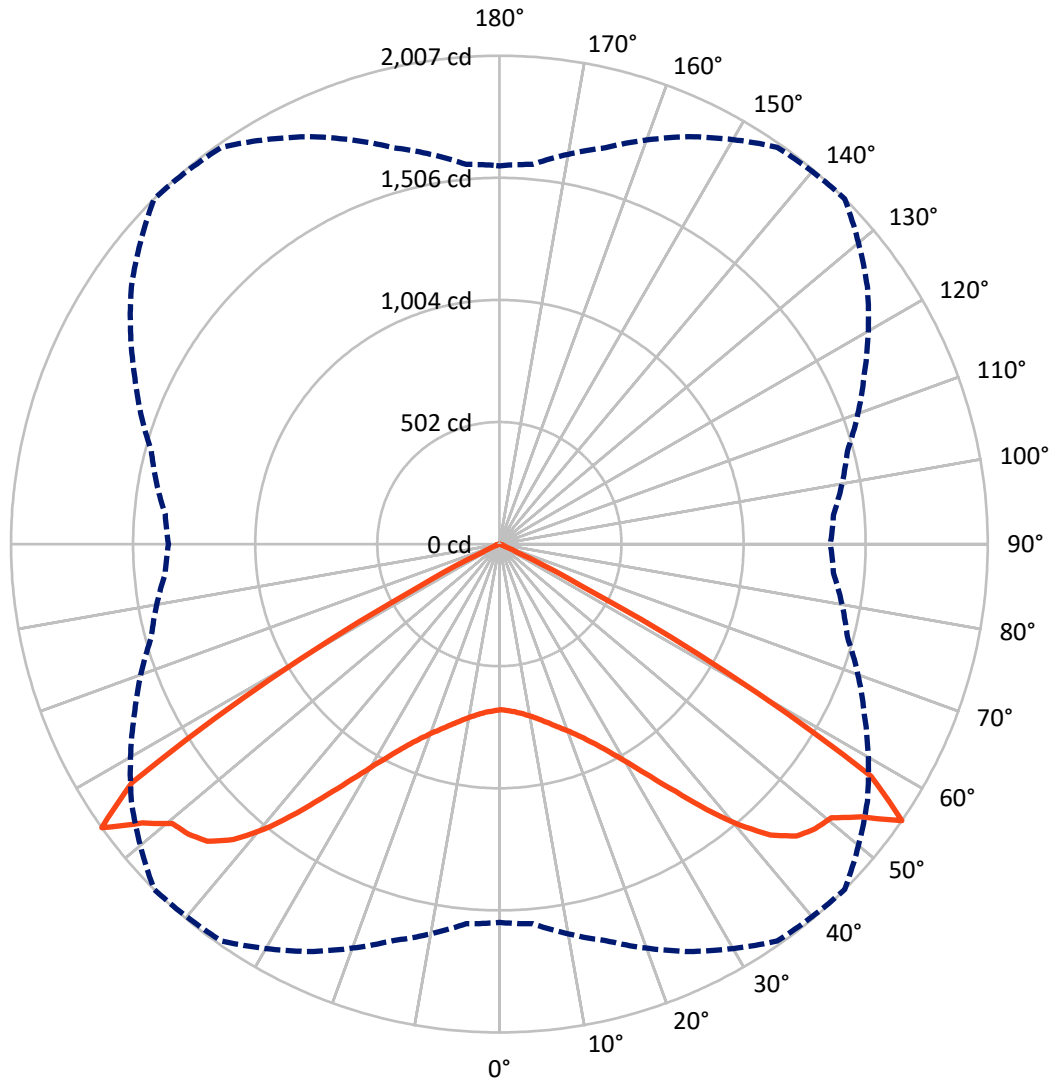
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

REPORT NUMBER: P630261
CATALOG NUMBER: GWS-SA1D-735-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P630261

CATALOG NUMBER: GWS-SA1D-735-U-5NQ-W-GRSBK

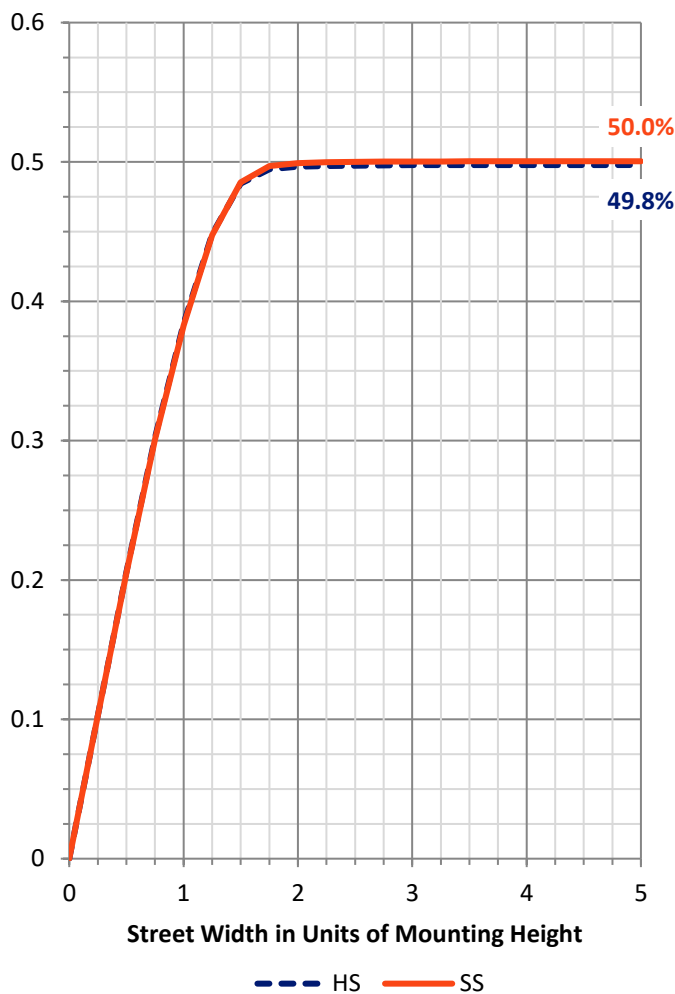
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2104.2	0.0	2104.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2104.2	0.0	2104.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4208.5	0.0	4208.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.6
10°-20°	216.1	5.1
20°-30°	418.5	9.9
30°-40°	749.8	17.8
40°-50°	1257.1	29.9
50°-60°	1345.6	32.0
60°-70°	147.9	3.5
70°-80°	6.5	0.2
80°-90°	0.3	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°	4208.5	100.0
0°-180°	4208.5	100.0

Coefficient of Utilization



REPORT NUMBER: P630261

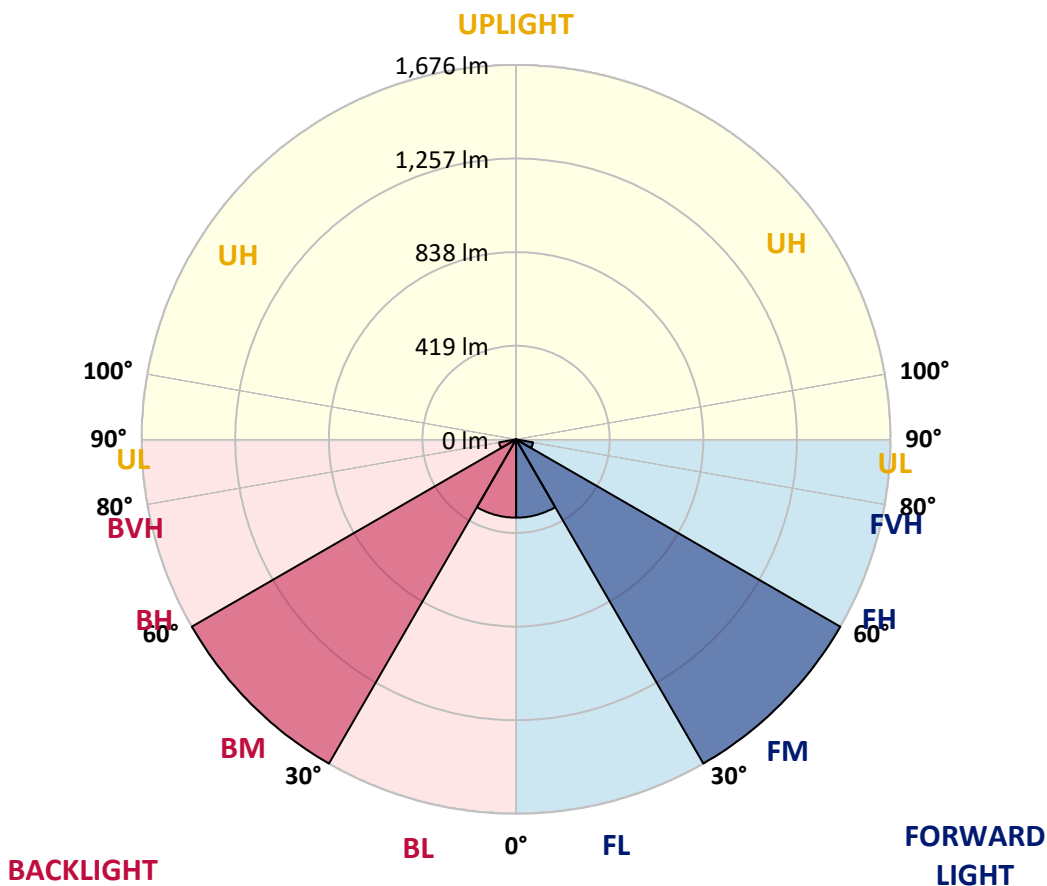
CATALOG NUMBER: GWS-SA1D-735-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	350.6	8.3			
FM (30°-60°)	1676.3	39.8			
FH (60°-80°)	77.2	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	350.6	8.3	B1/500		
BM (30°-60°)	1676.3	39.8	B2/2500		
BH (60°-80°)	77.2	1.8	B0/110		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





REPORT NUMBER: P630261
 CATALOG NUMBER: GWS-SA1D-735-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	680.4	680.4	680.4	680.4	680.4	680.4	680.4	680.4	680.4	680.4	680.4
2.5°	679.1	679.1	680.9	682.1	682.1	685.6	684.3	683.0	683.0	681.3	684.7
5°	689.0	688.6	690.3	691.2	689.4	692.9	690.7	689.4	688.6	686.9	690.3
7.5°	699.7	700.2	700.6	702.3	701.4	704.9	703.2	700.6	699.7	697.2	700.6
10°	712.6	712.6	713.4	715.6	716.0	720.3	718.6	715.6	713.0	710.4	713.9
12.5°	728.9	729.3	730.6	733.6	735.3	740.0	737.5	731.5	727.6	724.6	728.5
15°	752.5	752.0	753.8	758.0	760.2	763.6	759.8	751.6	746.9	743.5	746.0
17.5°	778.2	778.2	779.0	783.3	786.3	791.5	786.8	776.9	772.6	767.9	770.5
20°	806.5	807.8	808.6	811.6	816.8	821.9	818.1	808.2	803.5	797.5	800.5
22.5°	843.8	842.5	842.9	848.1	855.4	860.5	857.5	845.9	837.8	833.1	834.8
25°	885.4	884.9	886.2	894.0	902.1	907.7	903.4	888.4	880.2	872.1	875.5
27.5°	936.4	936.8	937.7	947.1	960.0	968.1	957.4	942.4	931.3	920.5	923.1
30°	996.9	996.0	998.6	1011.4	1030.3	1043.2	1030.7	1009.7	993.9	983.6	984.8
32.5°	1061.2	1062.0	1068.9	1089.5	1114.3	1137.1	1111.8	1083.9	1063.3	1044.0	1046.6
35°	1130.6	1132.8	1148.2	1178.6	1219.4	1249.8	1214.7	1168.8	1139.6	1114.8	1115.6
37.5°	1212.5	1217.7	1239.1	1284.5	1342.9	1383.6	1332.1	1271.3	1233.5	1202.7	1200.5
40°	1320.1	1326.1	1355.3	1409.3	1480.1	1517.4	1457.8	1395.2	1348.4	1315.0	1309.8
42.5°	1443.6	1451.3	1483.1	1538.4	1609.1	1634.4	1576.1	1523.4	1481.3	1441.9	1440.2
45°	1583.0	1587.2	1613.0	1655.4	1706.4	1712.4	1668.7	1639.6	1597.1	1560.2	1557.2
47.5°	1713.7	1718.0	1735.6	1757.5	1769.5	1748.0	1740.3	1727.5	1672.6	1627.1	1617.7
50°	1813.2	1816.6	1838.5	1847.1	1813.6	1768.2	1783.2	1755.7	1696.2	1645.1	1630.6
52.5°	1806.3	1814.9	1871.1	1920.0	1899.0	1862.1	1821.8	1762.6	1670.0	1600.1	1582.1
55°	1555.1	1566.7	1687.1	1847.9	1991.6	2007.4	1846.2	1655.4	1481.3	1378.9	1360.4
57.5°	999.4	1002.4	1149.5	1375.0	1698.7	1800.8	1531.1	1248.1	1031.6	918.8	911.1
60°	367.4	361.4	472.5	659.4	978.4	1086.5	901.2	631.1	450.2	370.4	364.0
62.5°	88.3	89.2	110.6	165.9	307.0	379.9	300.1	167.6	106.8	89.6	88.8
65°	44.6	43.7	44.2	47.6	65.6	78.5	64.3	45.4	43.7	44.2	43.7
67.5°	28.7	28.3	29.2	29.6	29.2	27.4	27.0	27.9	27.9	28.3	27.4
70°	17.6	17.2	18.0	19.3	18.4	16.3	17.2	18.0	17.2	16.7	16.7
72.5°	9.4	9.4	10.3	11.1	10.3	9.4	9.4	9.9	9.4	9.4	9.4
75°	4.3	4.3	4.7	5.1	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	1.3	1.3	1.7	1.7	1.3	1.3	1.3	1.3	1.7	1.7	1.7
80°	0.4	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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)