

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: P634279

Luminaire Tested: GWS-SA3B-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634279
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5473.8 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 68.3
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

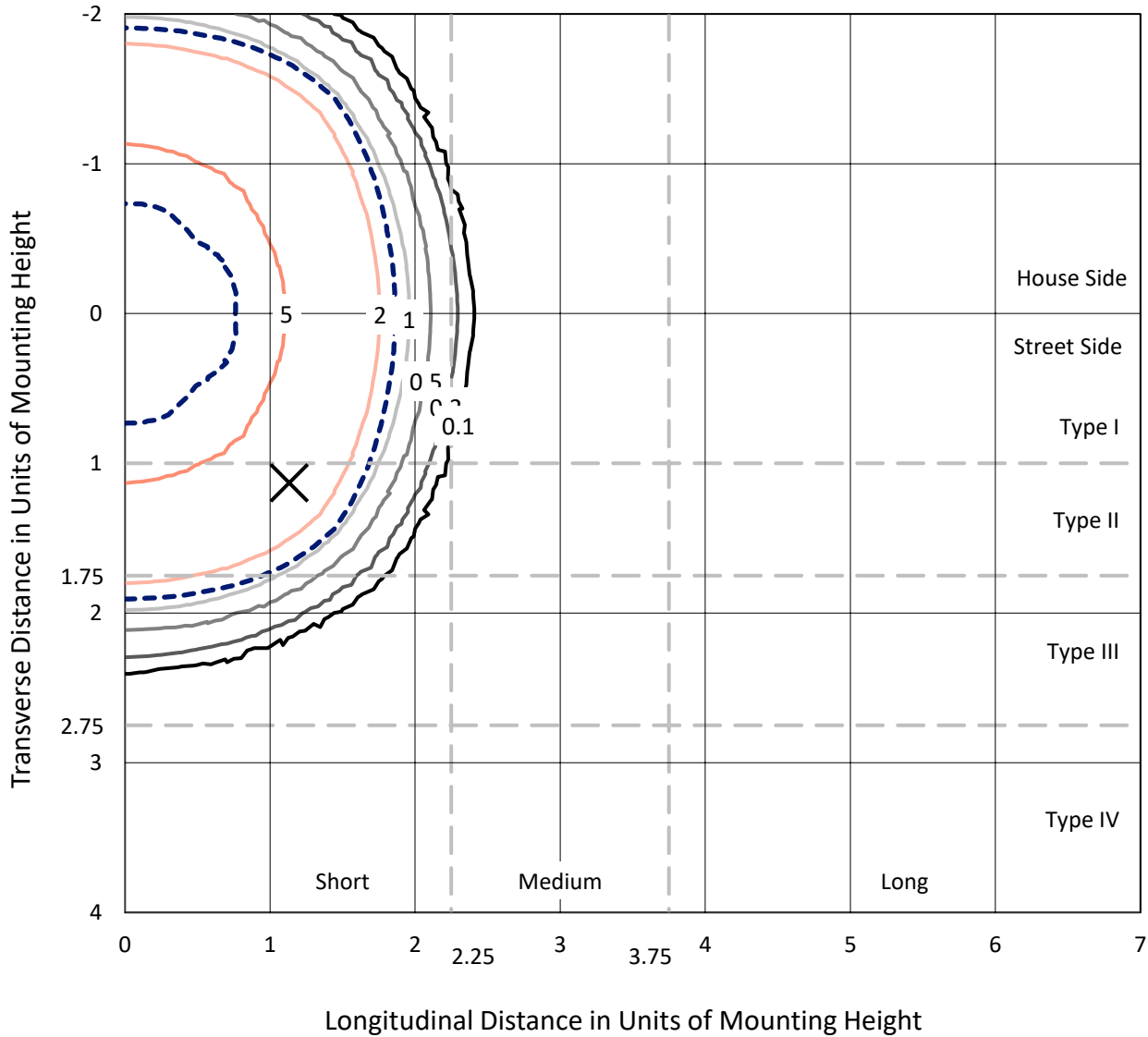


REPORT NUMBER: P634279

CATALOG NUMBER: GWS-SA3B-740-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

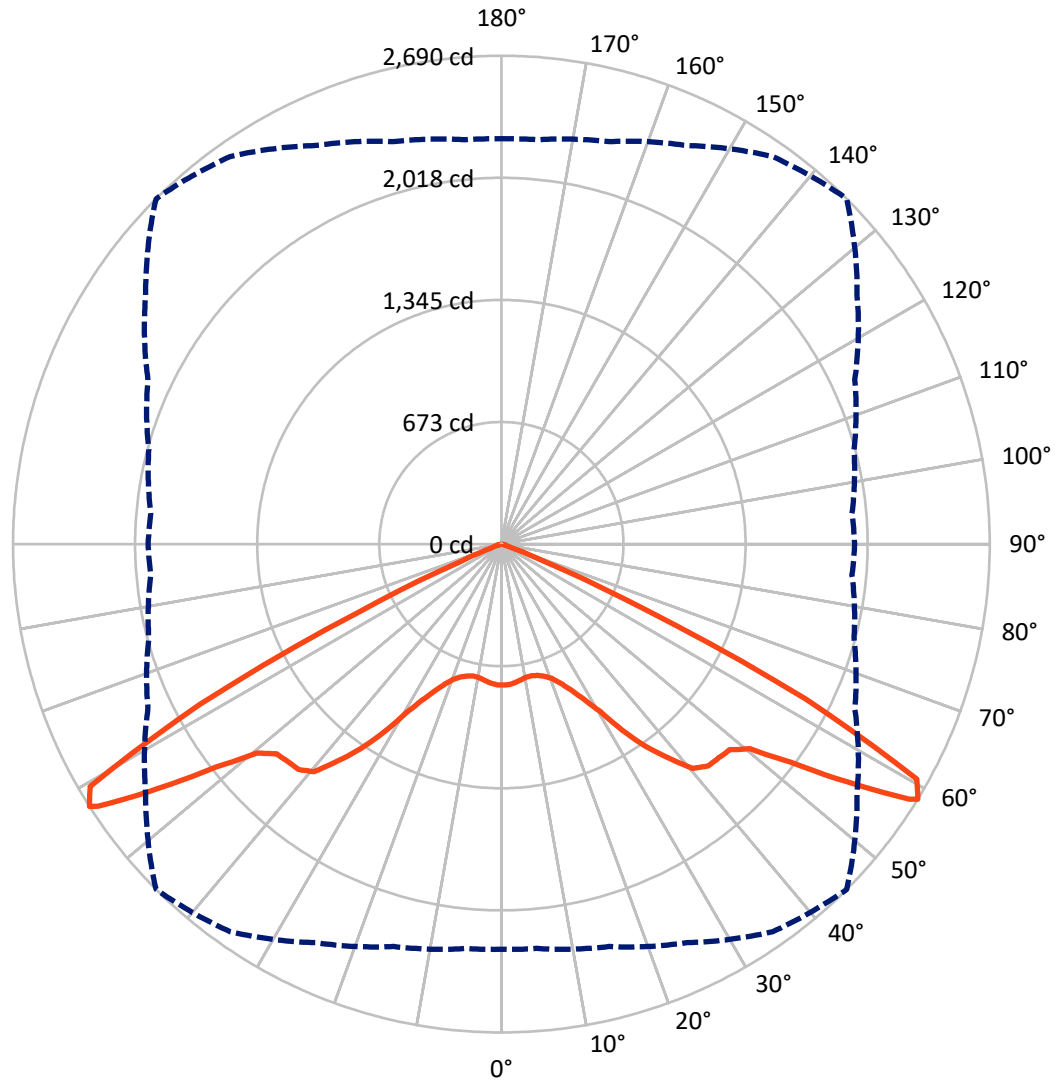
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P634279
CATALOG NUMBER: GWS-SA3B-740-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P634279

CATALOG NUMBER: GWS-SA3B-740-U-5WQ-W-GRSBK

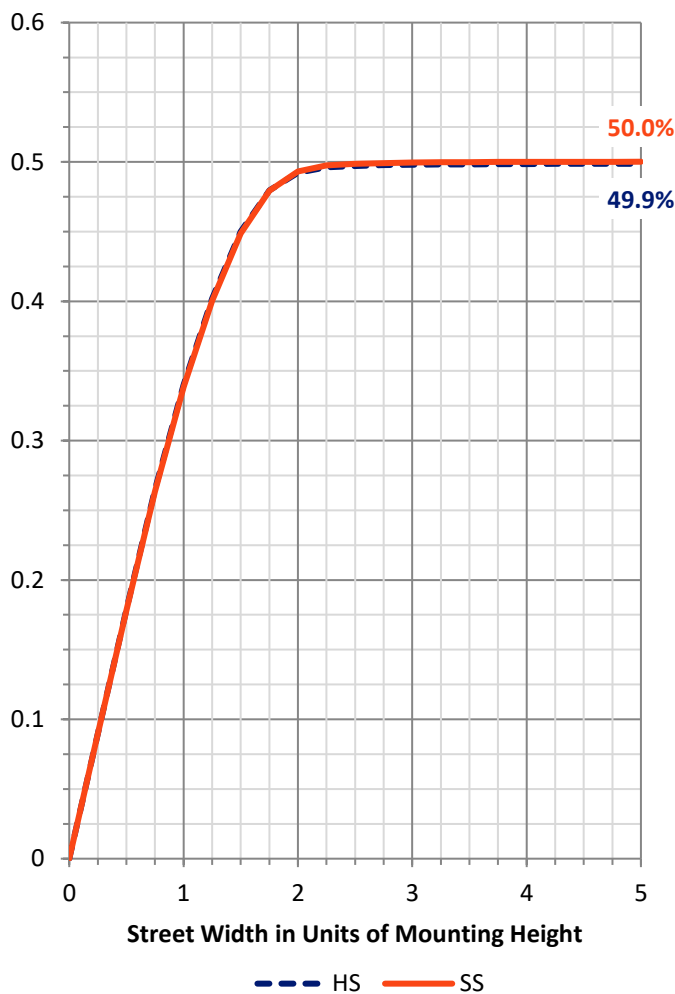
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2736.9	0.0	2736.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2736.9	0.0	2736.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5473.8	0.0	5473.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.3
10°-20°	214.3	3.9
20°-30°	405.3	7.4
30°-40°	799.4	14.6
40°-50°	1265.0	23.1
50°-60°	1859.4	34.0
60°-70°	830.0	15.2
70°-80°	27.8	0.5
80°-90°	0.2	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°	5473.8	100.0
0°-180°	5473.8	100.0

Coefficient of Utilization



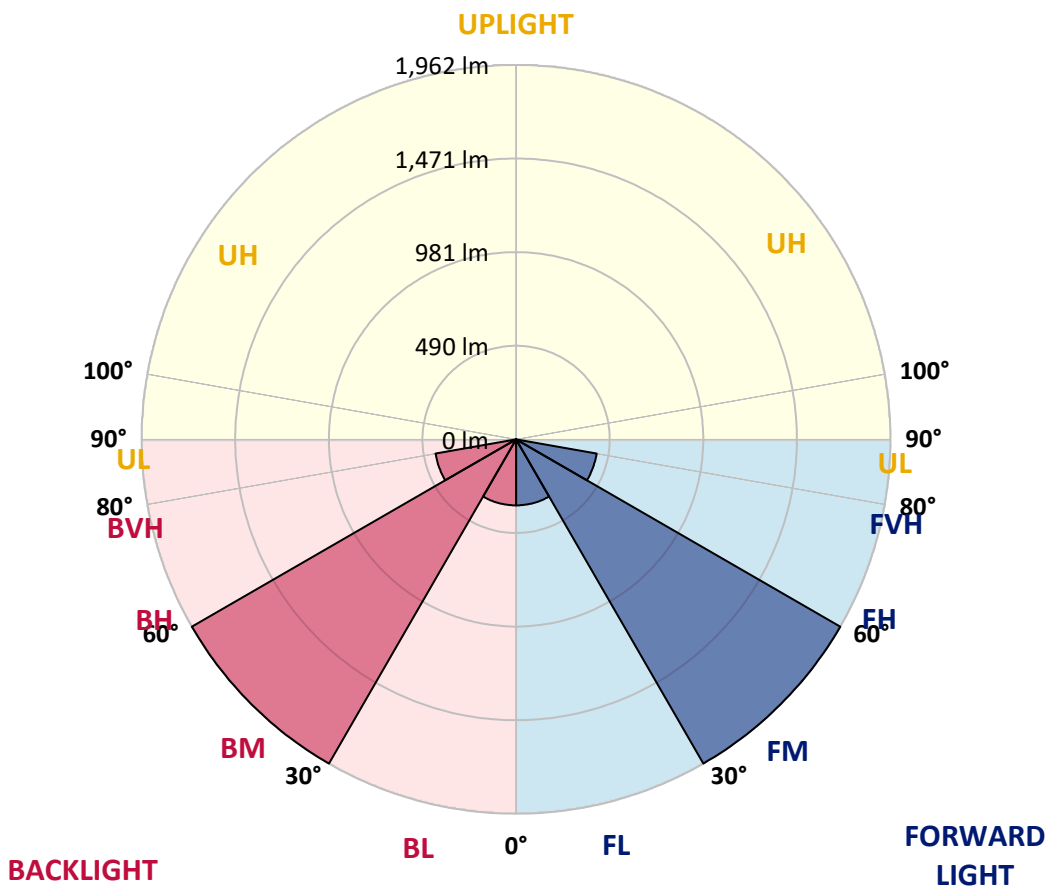
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.0	6.3			
FM (30°-60°)	1961.9	35.8			
FH (60°-80°)	428.9	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	346.0	6.3	B1/500		
BM (30°-60°)	1961.9	35.8	B2/2500		
BH (60°-80°)	428.9	7.8	B1/500		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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3	776.3
2.5°	768.8	770.3	771.8	772.5	773.3	775.5	776.3	774.0	774.0	769.5	774.8
5°	765.1	766.6	768.1	767.3	767.3	767.3	766.6	763.6	762.8	758.4	763.6
7.5°	758.4	759.9	759.9	757.6	756.1	756.1	755.4	751.7	750.9	746.4	751.7
10°	753.1	753.9	753.1	748.7	745.7	745.7	744.9	743.4	744.2	741.2	745.7
12.5°	756.1	756.9	753.9	747.9	744.2	743.4	741.2	739.0	741.2	740.5	744.9
15°	765.8	766.6	761.3	753.9	750.9	750.9	744.9	739.0	742.0	742.7	747.9
17.5°	777.7	777.7	771.0	764.3	765.1	765.1	755.4	744.9	745.7	748.7	753.9
20°	791.9	791.9	785.2	783.7	788.9	789.7	777.7	761.3	757.6	759.9	765.8
22.5°	817.3	817.3	812.1	815.8	827.7	831.4	813.5	790.4	781.5	783.0	788.9
25°	856.8	856.8	855.3	864.2	881.4	889.6	865.7	835.2	820.3	818.0	824.7
27.5°	923.2	923.9	921.7	935.1	956.7	966.4	933.6	893.3	875.4	871.7	878.4
30°	1008.9	1008.9	1009.7	1028.3	1056.6	1069.3	1026.1	979.1	958.2	946.3	955.2
32.5°	1104.4	1105.9	1113.3	1144.6	1194.6	1220.7	1157.3	1091.7	1058.1	1045.4	1055.1
35°	1261.7	1247.5	1238.6	1261.7	1334.0	1368.3	1287.1	1210.2	1184.9	1183.4	1208.0
37.5°	1417.5	1409.3	1390.7	1414.6	1479.4	1495.1	1405.6	1341.5	1323.6	1333.3	1357.9
40°	1541.3	1526.4	1501.8	1524.2	1609.2	1624.8	1514.5	1451.1	1444.4	1466.0	1499.6
42.5°	1639.0	1618.1	1585.3	1590.5	1659.1	1670.3	1572.6	1524.9	1529.4	1556.2	1594.3
45°	1683.0	1666.6	1637.5	1635.3	1678.5	1679.3	1602.5	1577.9	1589.8	1610.7	1640.5
47.5°	1701.7	1694.2	1677.8	1674.1	1698.7	1692.7	1645.0	1634.5	1645.7	1651.7	1668.8
50°	1747.9	1747.9	1750.1	1753.1	1778.5	1772.5	1738.9	1727.0	1712.8	1692.0	1697.2
52.5°	1877.6	1882.9	1904.5	1928.3	1974.6	1994.0	1939.5	1870.2	1802.3	1756.8	1756.8
55°	2111.8	2117.0	2142.4	2182.6	2267.6	2313.9	2187.1	2034.2	1941.0	1879.1	1887.3
57.5°	2240.8	2246.7	2298.9	2407.8	2572.6	2650.9	2378.7	2152.0	2021.6	1950.7	1956.7
58°	2232.6	2236.3	2295.2	2422.7	2606.2	2690.4	2392.2	2148.3	2011.1	1938.8	1946.2
60°	1983.5	1978.3	2072.3	2254.2	2513.0	2629.3	2258.7	1961.2	1801.6	1727.8	1731.5
62.5°	1296.7	1299.7	1381.0	1571.2	1772.5	1882.1	1577.9	1356.4	1228.1	1183.4	1172.2
65°	541.4	531.7	581.6	687.5	808.3	869.5	747.2	632.3	553.3	523.5	531.7
67.5°	139.4	135.7	138.7	173.7	212.5	251.3	211.0	161.1	140.2	141.7	141.7
70°	79.0	74.6	60.4	55.9	54.4	54.4	54.4	54.4	62.6	73.8	76.1
72.5°	59.7	55.9	44.0	38.0	33.6	31.3	32.8	38.0	45.5	55.2	56.7
75°	29.8	29.8	26.8	25.4	22.4	20.9	21.6	23.9	27.6	31.3	30.6
77.5°	6.0	6.7	7.5	8.9	7.5	7.5	7.5	8.9	8.9	9.7	8.9
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)