

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: P632681

Luminaire Tested: GWS-SA2D-730-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632681
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-SA2D-730-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7481.9 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

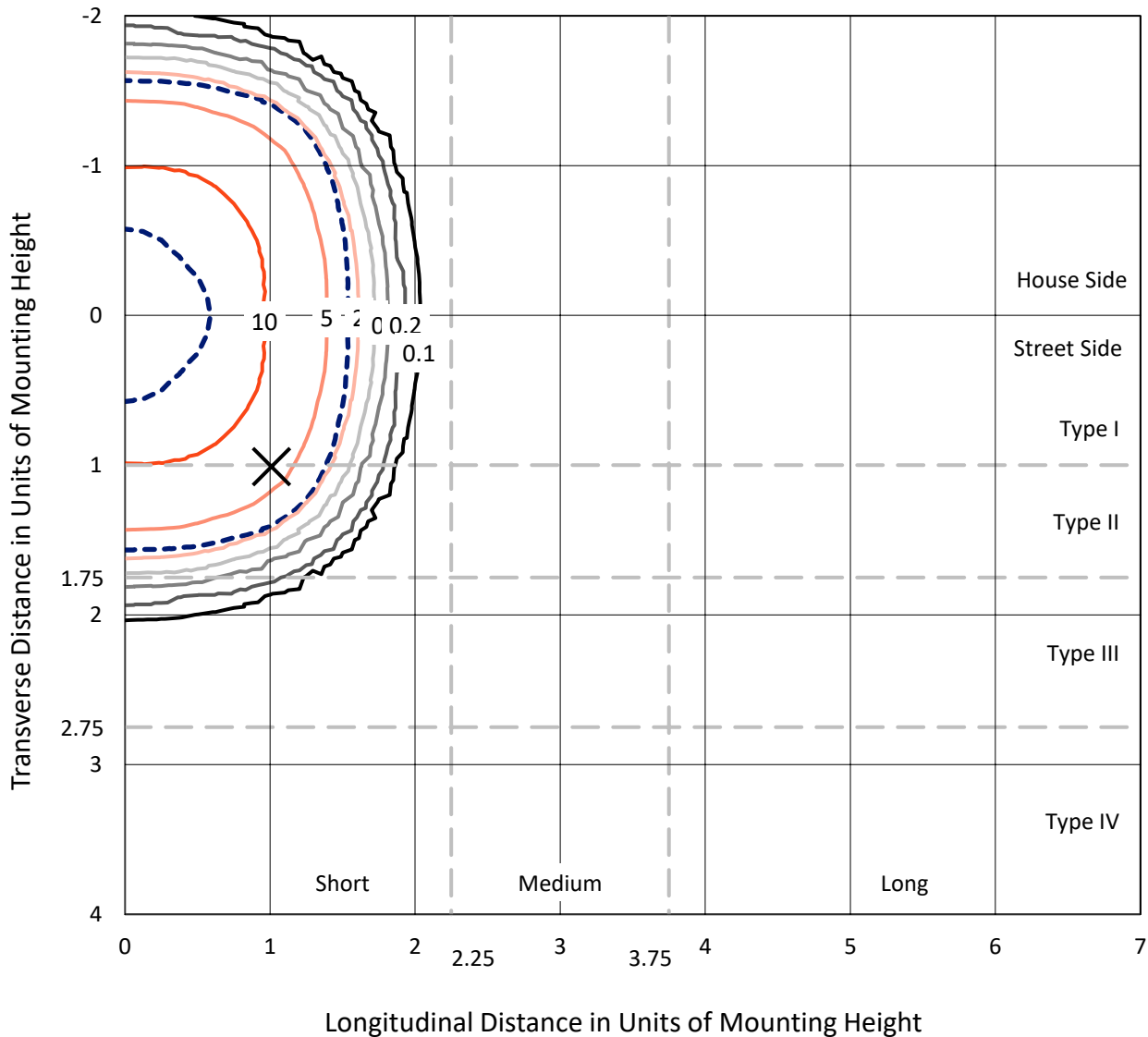
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

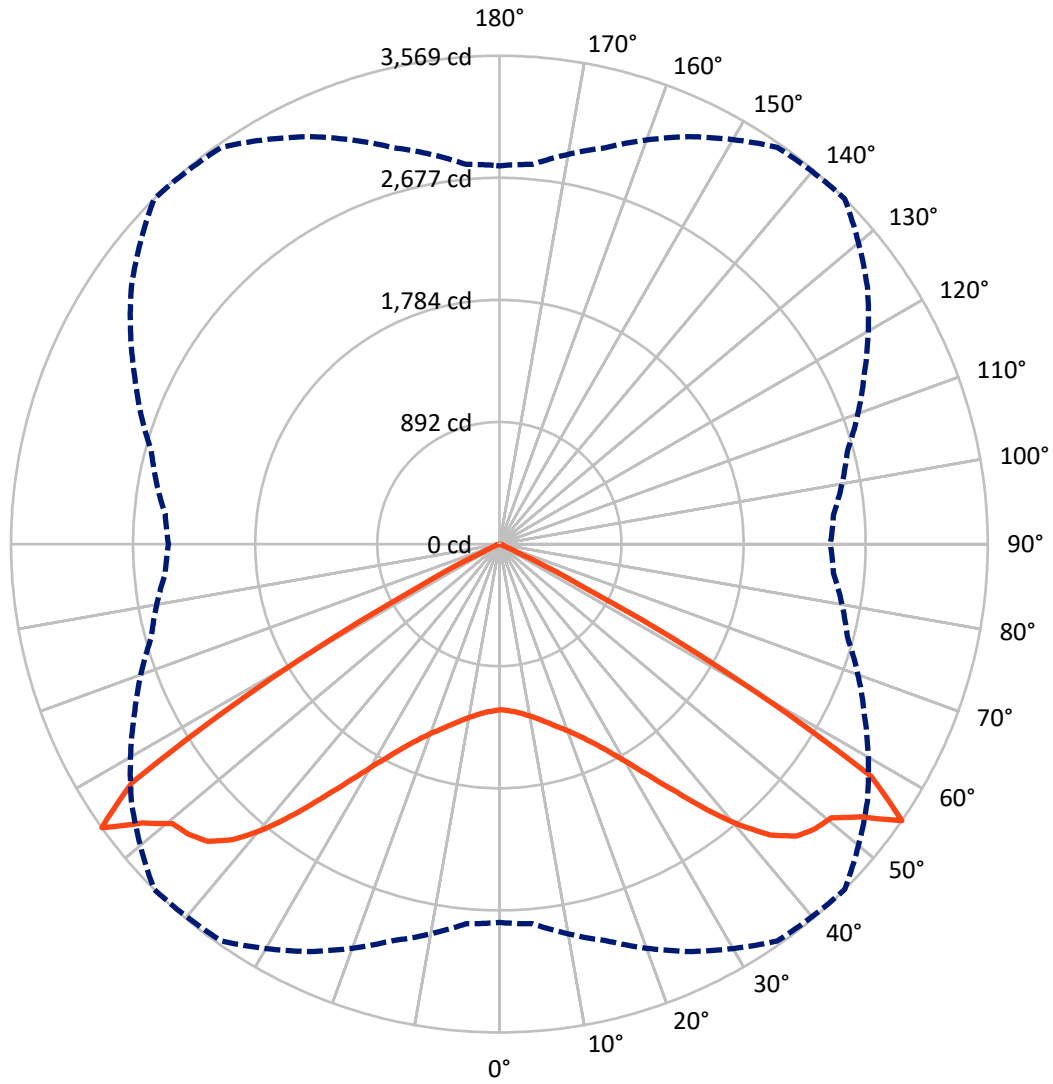
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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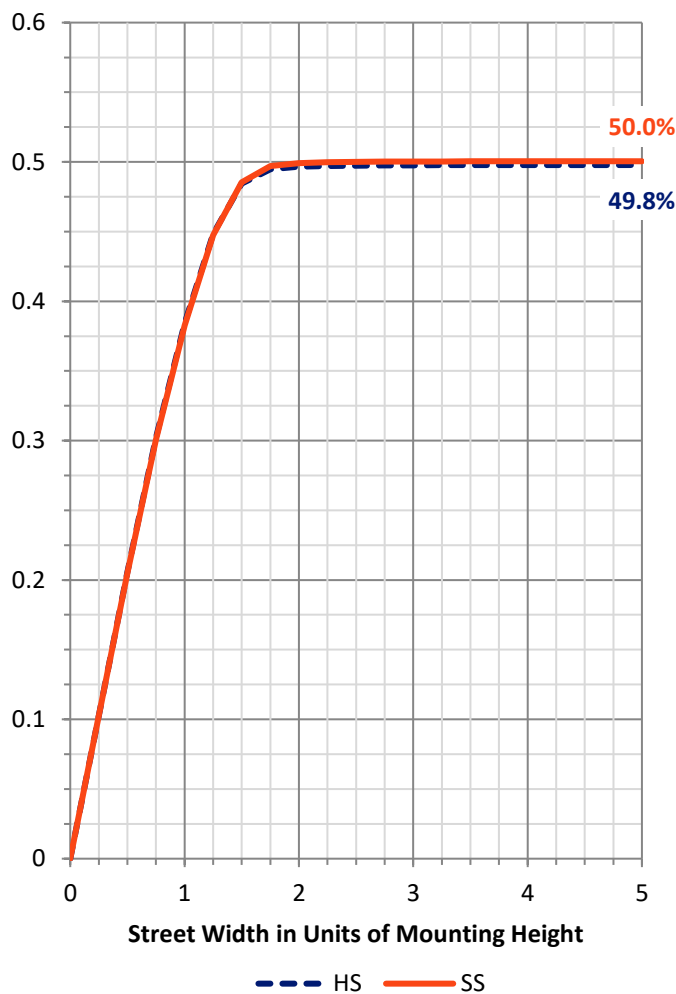
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3741.0	0.0	3741.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3741.0	0.0	3741.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7481.9	0.0	7481.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	1.6
10°-20°	384.2	5.1
20°-30°	744.0	9.9
30°-40°	1333.0	17.8
40°-50°	2234.8	29.9
50°-60°	2392.3	32.0
60°-70°	262.9	3.5
70°-80°	11.6	0.2
80°-90°	0.6	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°	7481.9	100.0
0°-180°	7481.9	100.0

Coefficient of Utilization



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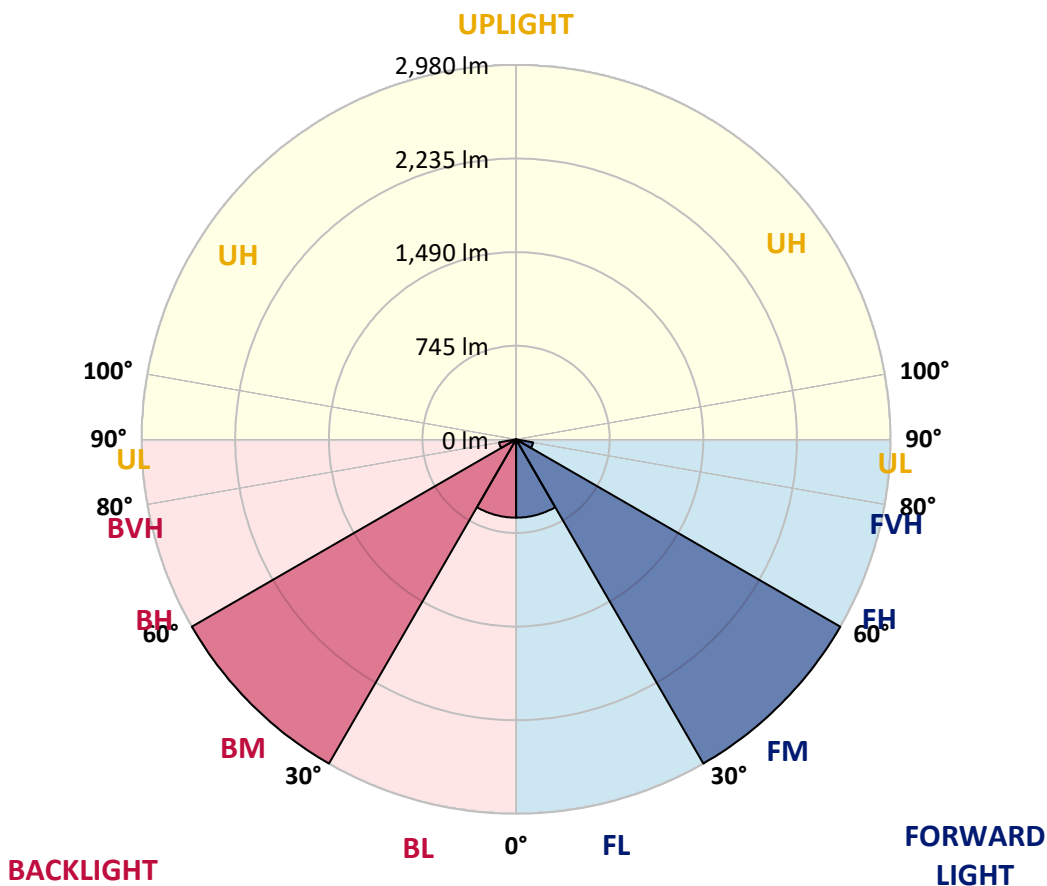
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	623.4	8.3			
FM (30°-60°)	2980.1	39.8			
FH (60°-80°)	137.2	1.8			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	623.4	8.3	B2/1000		
BM (30°-60°)	2980.1	39.8	B3/5000		
BH (60°-80°)	137.2	1.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1209.7	1209.7	1209.7	1209.7	1209.7	1209.7	1209.7	1209.7	1209.7	1209.7	1209.7
2.5°	1207.4	1207.4	1210.4	1212.7	1212.7	1218.8	1216.5	1214.3	1214.3	1211.2	1217.3
5°	1224.9	1224.2	1227.2	1228.7	1225.7	1231.8	1228.0	1225.7	1224.2	1221.1	1227.2
7.5°	1244.0	1244.7	1245.5	1248.6	1247.0	1253.1	1250.1	1245.5	1244.0	1239.4	1245.5
10°	1266.8	1266.8	1268.4	1272.2	1272.9	1280.6	1277.5	1272.2	1267.6	1263.0	1269.1
12.5°	1295.8	1296.6	1298.9	1304.2	1307.2	1315.6	1311.1	1300.4	1293.5	1288.2	1295.1
15°	1337.7	1337.0	1340.0	1347.6	1351.5	1357.6	1350.7	1336.2	1327.8	1321.7	1326.3
17.5°	1383.5	1383.5	1385.0	1392.6	1398.0	1407.1	1398.7	1381.2	1373.6	1365.2	1369.7
20°	1433.8	1436.1	1437.6	1442.9	1452.1	1461.2	1454.4	1436.8	1428.4	1417.8	1423.1
22.5°	1500.1	1497.8	1498.6	1507.7	1520.7	1529.8	1524.5	1503.9	1489.4	1481.0	1484.1
25°	1574.0	1573.3	1575.6	1589.3	1603.8	1613.7	1606.0	1579.4	1564.9	1550.4	1556.5
27.5°	1664.7	1665.5	1667.0	1683.8	1706.7	1721.1	1702.1	1675.4	1655.6	1636.5	1641.1
30°	1772.2	1770.7	1775.3	1798.1	1831.7	1854.5	1832.4	1795.1	1766.9	1748.6	1750.9
32.5°	1886.6	1888.1	1900.3	1936.9	1981.1	2021.5	1976.5	1926.9	1890.4	1856.1	1860.6
35°	2010.0	2013.8	2041.3	2095.4	2167.8	2221.9	2159.4	2077.9	2026.0	1981.8	1983.4
37.5°	2155.6	2164.8	2202.9	2283.7	2387.3	2459.8	2368.3	2260.0	2193.0	2138.1	2134.3
40°	2346.9	2357.6	2409.4	2505.5	2631.3	2697.6	2591.6	2480.3	2397.3	2337.8	2328.7
42.5°	2566.5	2580.2	2636.6	2734.9	2860.7	2905.7	2802.0	2708.2	2633.5	2563.4	2560.4
45°	2814.2	2821.8	2867.6	2943.0	3033.7	3044.4	2966.6	2914.8	2839.4	2773.8	2768.5
47.5°	3046.7	3054.3	3085.6	3124.4	3145.8	3107.7	3093.9	3071.1	2973.5	2892.7	2875.9
50°	3223.5	3229.6	3268.5	3283.7	3224.3	3143.5	3170.2	3121.4	3015.4	2924.7	2898.8
52.5°	3211.3	3226.6	3326.4	3413.3	3376.0	3310.4	3238.8	3133.6	2968.9	2844.7	2812.7
55°	2764.7	2785.2	2999.4	3285.3	3540.6	3568.8	3282.2	2943.0	2633.5	2451.4	2418.6
57.5°	1776.8	1782.1	2043.6	2444.5	3020.0	3201.4	2722.0	2218.9	1834.0	1633.5	1619.8
60°	653.2	642.6	840.0	1172.3	1739.4	1931.5	1602.2	1122.0	800.4	658.6	647.1
62.5°	157.0	158.5	196.7	295.0	545.8	675.3	533.6	298.0	189.8	159.3	157.8
65°	79.3	77.7	78.5	84.6	116.6	139.5	114.3	80.8	77.7	78.5	77.7
67.5°	51.1	50.3	51.8	52.6	51.8	48.8	48.0	49.5	49.5	50.3	48.8
70°	31.3	30.5	32.0	34.3	32.8	29.0	30.5	32.0	30.5	29.7	29.7
72.5°	16.8	16.8	18.3	19.8	18.3	16.8	16.8	17.5	16.8	16.8	16.8
75°	7.6	7.6	8.4	9.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6
77.5°	2.3	2.3	3.0	3.0	2.3	2.3	2.3	2.3	3.0	3.0	3.0
80°	0.8	1.5	1.5	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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)