

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: P630427

Luminaire Tested: GWS-SA1D-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630427
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5546.1 lumens
Efficiency: N/A
Efficacy: 125.2 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

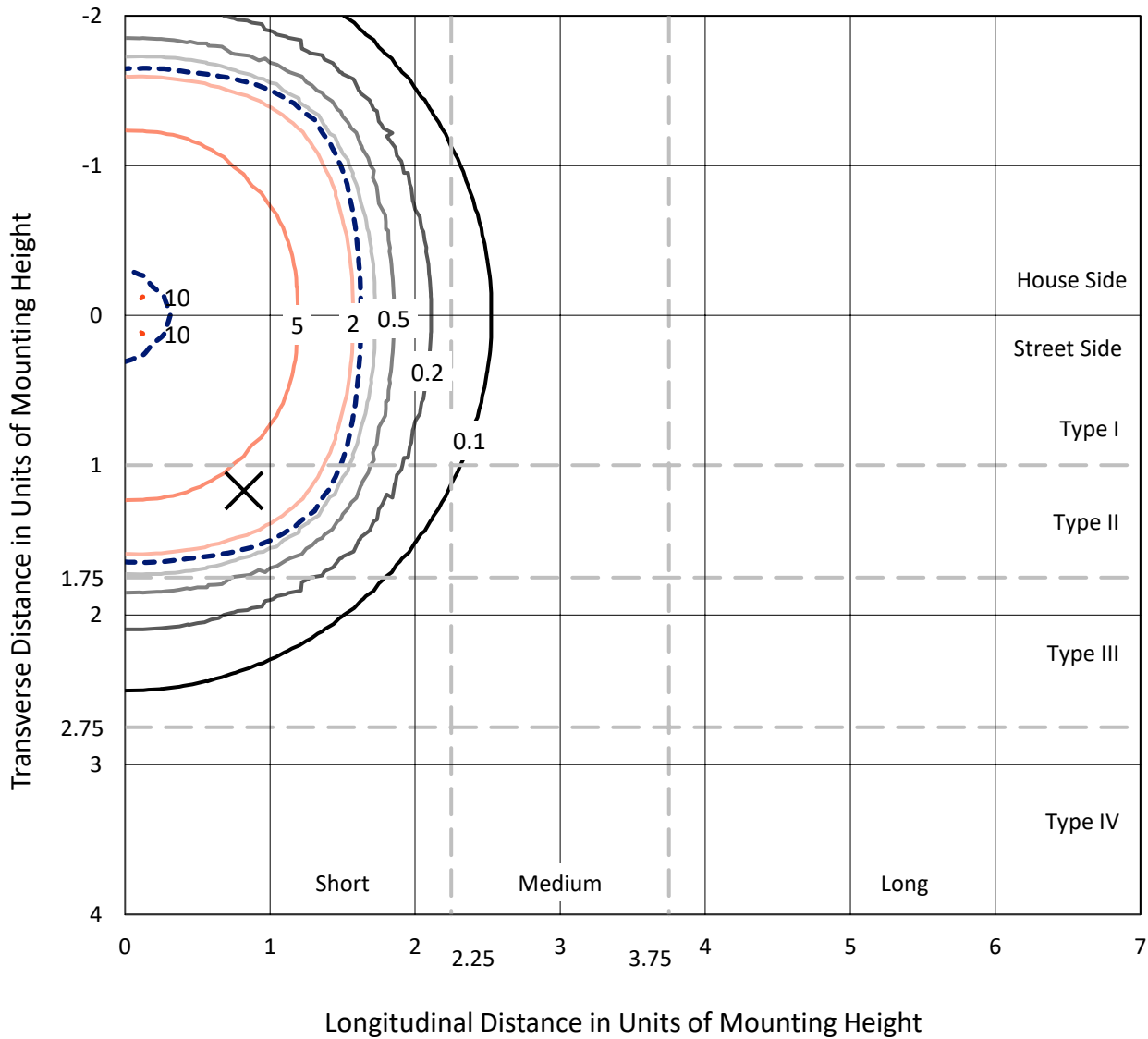
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

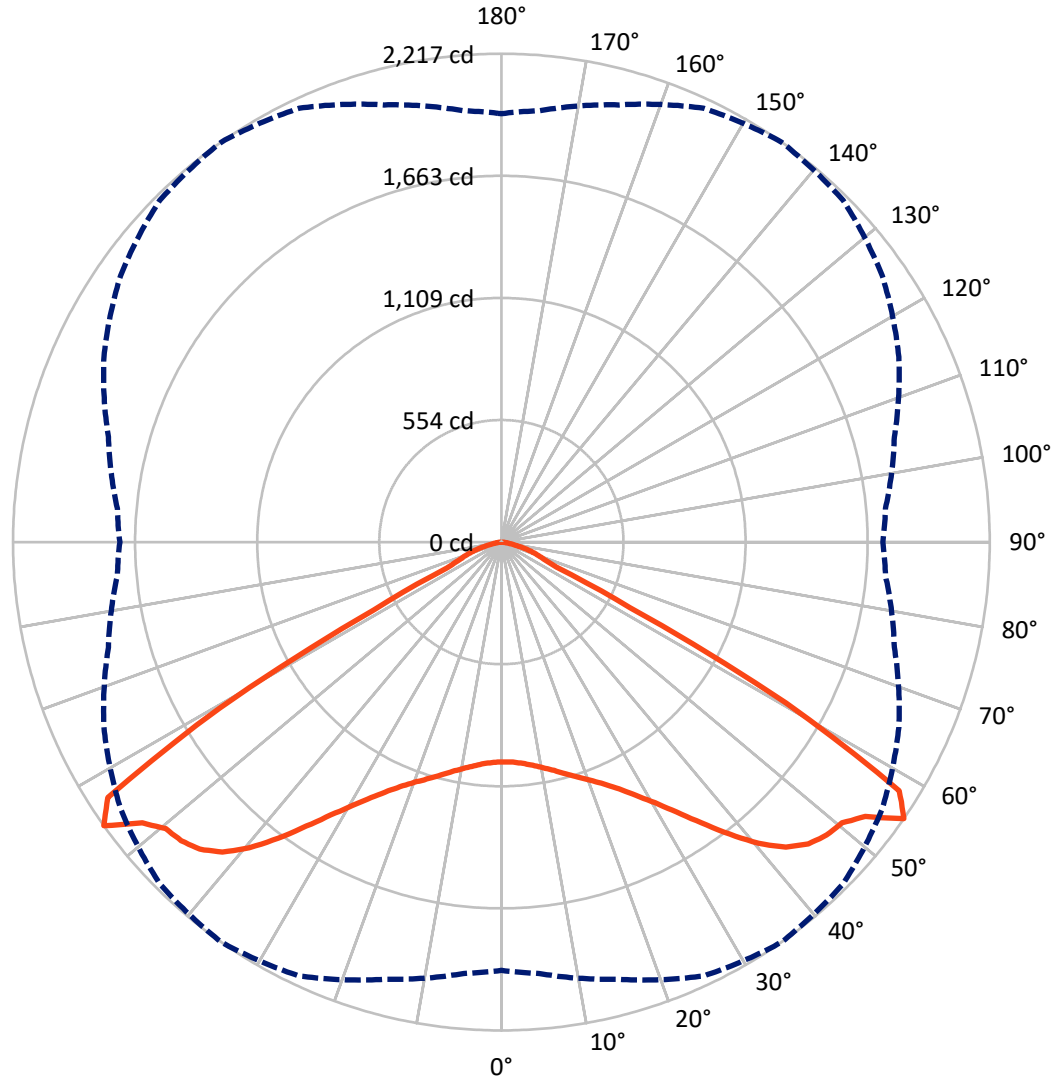
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P630427
CATALOG NUMBER: GWS-SA1D-760-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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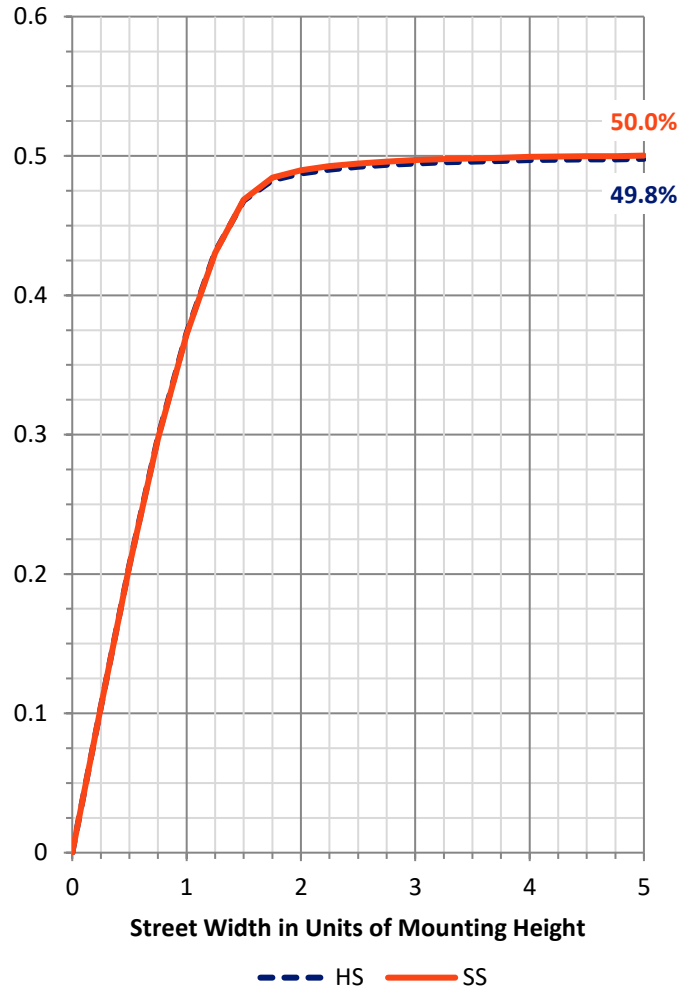
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2773.1	0.0	2773.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2773.1	0.0	2773.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	5546.1	0.0	5546.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.8
10°-20°	309.8	5.6
20°-30°	573.5	10.3
30°-40°	959.3	17.3
40°-50°	1461.8	26.4
50°-60°	1637.5	29.5
60°-70°	387.5	7.0
70°-80°	104.5	1.9
80°-90°	15.0	0.3
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°	5546.1	100.0
0°-180°	5546.1	100.0

Coefficient of Utilization



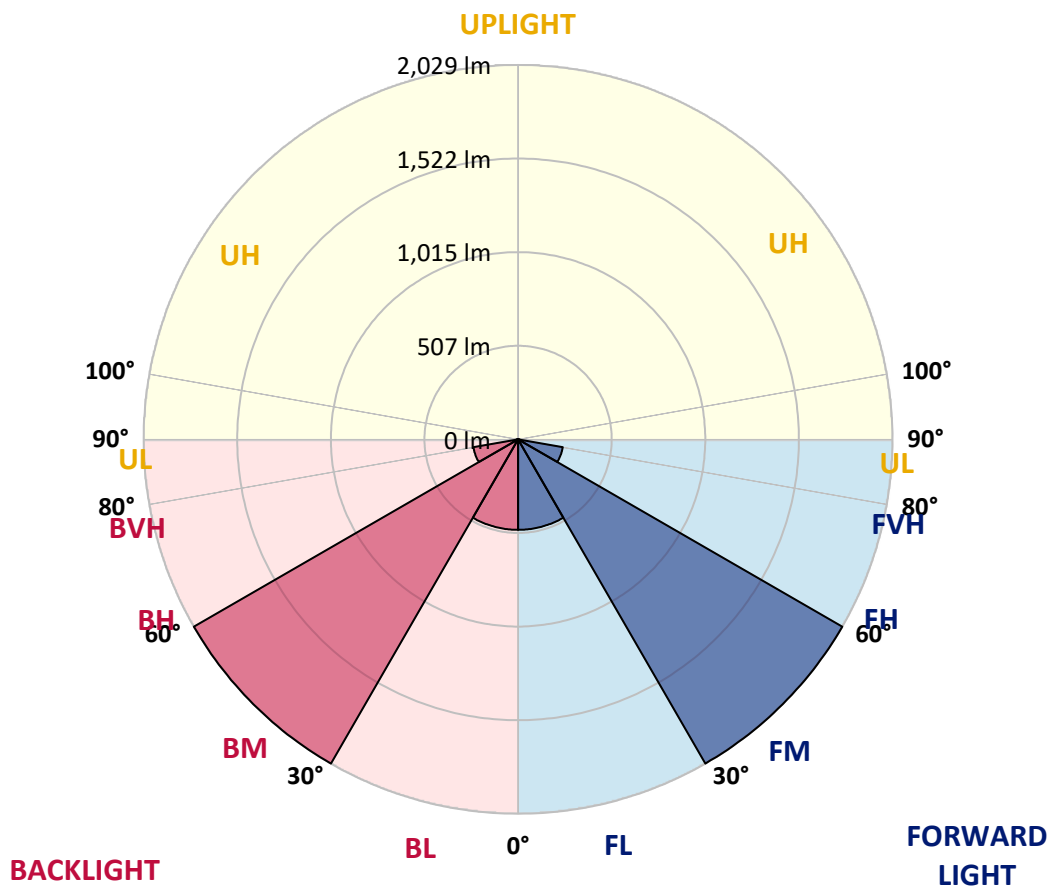
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.3	8.8			
FM (30°-60°)	2029.3	36.6			
FH (60°-80°)	246.0	4.4			G0/660
FVH (80°-90°)	7.5	0.1			G0/10
BL (0°-30°)	490.3	8.8	B1/500		
BM (30°-60°)	2029.3	36.6	B2/2500		
BH (60°-80°)	246.0	4.4	B1/500		G0/660
BVH (80°-90°)	7.5	0.1			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°	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8	997.8
2.5°	995.6	995.6	997.3	999.5	1000.0	1004.3	1003.5	1001.7	1000.8	999.1	1003.0
5°	1006.5	1007.0	1008.3	1009.6	1008.7	1012.2	1010.9	1008.7	1007.4	1005.2	1009.2
7.5°	1021.0	1021.0	1022.3	1024.1	1023.2	1028.5	1025.8	1022.8	1020.6	1017.9	1021.4
10°	1034.2	1035.0	1036.4	1039.9	1041.6	1047.3	1045.6	1041.2	1037.7	1034.6	1038.5
12.5°	1053.9	1054.8	1056.1	1060.9	1064.0	1069.7	1067.1	1060.9	1055.7	1051.3	1055.7
15°	1079.3	1078.5	1082.0	1088.1	1092.1	1097.3	1094.2	1083.7	1076.7	1071.0	1075.4
17.5°	1105.2	1104.8	1108.3	1116.2	1121.9	1128.9	1123.6	1111.3	1103.9	1096.9	1101.3
20°	1133.3	1134.6	1138.1	1145.6	1153.9	1163.1	1158.7	1145.6	1137.2	1129.3	1132.8
22.5°	1167.9	1168.4	1172.3	1182.0	1192.9	1201.7	1199.1	1182.8	1172.3	1164.0	1168.4
25°	1209.6	1209.2	1214.4	1225.8	1241.2	1249.9	1244.2	1226.3	1214.9	1205.2	1208.7
27.5°	1257.4	1257.0	1264.9	1279.8	1301.7	1314.0	1302.1	1279.8	1264.0	1250.4	1253.4
30°	1317.5	1316.2	1324.9	1345.1	1373.6	1394.2	1376.7	1345.5	1324.9	1310.5	1313.5
32.5°	1384.1	1385.9	1396.9	1424.1	1460.0	1486.8	1460.5	1425.8	1398.2	1377.1	1380.6
35°	1457.4	1457.4	1479.8	1513.5	1564.8	1600.4	1559.6	1509.6	1472.7	1443.8	1444.7
37.5°	1539.0	1539.8	1569.2	1615.7	1682.8	1724.5	1669.2	1607.4	1562.6	1531.5	1529.7
40°	1638.5	1641.1	1671.4	1723.2	1798.6	1836.8	1777.5	1717.0	1671.4	1634.6	1631.1
42.5°	1750.8	1751.7	1783.7	1830.2	1893.8	1916.6	1870.1	1820.5	1783.2	1749.9	1746.4
45°	1857.8	1855.6	1883.2	1917.9	1954.7	1956.9	1931.0	1910.9	1878.4	1849.9	1844.6
47.5°	1941.1	1939.4	1964.4	1983.2	1987.6	1966.1	1974.5	1977.5	1939.8	1901.2	1891.1
50°	1992.0	1995.5	2019.2	2029.7	2003.8	1968.8	2000.3	1992.4	1938.5	1888.1	1871.8
52.5°	2022.7	2028.0	2069.2	2096.0	2069.2	2035.9	2040.3	1993.8	1916.1	1849.5	1828.4
55°	1945.1	1966.1	2055.2	2173.6	2217.4	2194.2	2110.9	1991.1	1847.3	1750.4	1732.4
57.5°	1441.6	1474.9	1606.9	1863.5	2130.2	2214.8	1971.4	1669.2	1451.2	1326.7	1316.2
60°	735.9	773.2	878.9	1142.5	1485.5	1604.7	1373.2	1068.8	849.5	748.6	737.2
62.5°	300.4	306.6	341.2	443.0	656.5	757.4	665.3	467.1	350.9	323.2	323.7
65°	236.4	237.7	236.0	242.1	275.0	305.2	282.0	247.8	241.7	244.7	242.5
67.5°	206.1	206.6	205.3	205.3	206.6	205.3	207.9	209.2	210.1	213.6	211.4
70°	172.4	172.8	172.8	173.7	173.2	171.0	175.0	176.7	177.2	179.4	178.1
72.5°	133.3	134.6	135.5	136.0	135.5	134.2	136.4	139.5	139.0	141.2	139.0
75°	90.3	92.1	93.0	94.7	94.3	94.3	96.9	98.2	96.9	98.7	96.9
77.5°	51.3	52.6	55.3	57.0	58.8	60.1	61.8	62.7	62.3	63.2	62.3
80°	29.8	30.3	32.5	33.3	35.5	37.7	39.5	40.3	40.8	41.2	40.8
82.5°	17.1	17.5	18.4	19.3	21.1	22.8	24.6	25.9	25.9	26.3	25.9
85°	8.3	8.3	8.8	9.2	10.1	11.4	12.7	14.0	14.5	14.5	14.5
87.5°	1.3	1.3	1.8	1.8	2.2	2.6	3.5	4.4	4.8	4.8	4.8
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)