

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: P640715

Luminaire Tested: GWS-SA5E-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-740-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31704.8 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

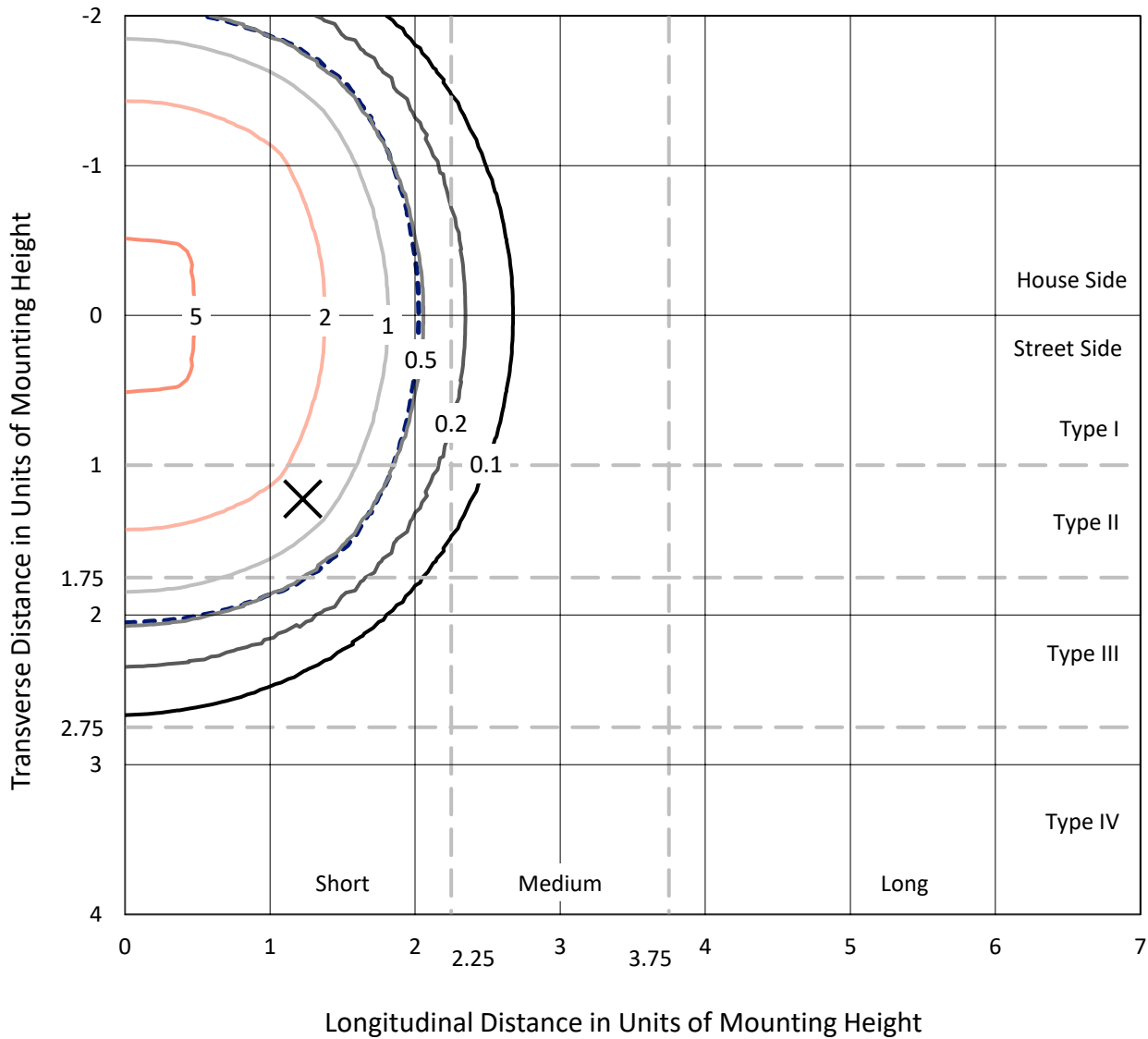
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640715
 CATALOG NUMBER: GWS-SA5E-740-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

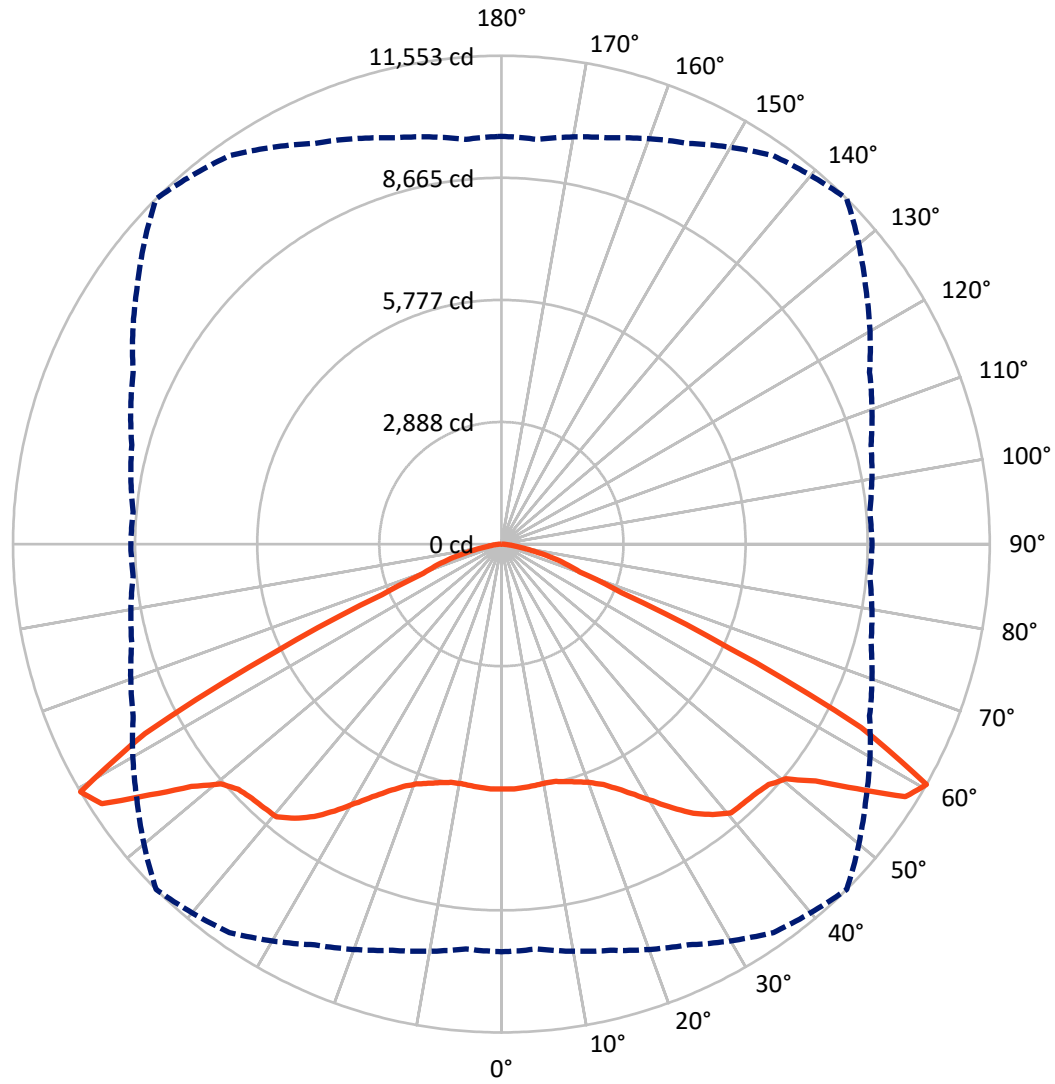
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

REPORT NUMBER: P640715
CATALOG NUMBER: GWS-SA5E-740-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P640715

CATALOG NUMBER: GWS-SA5E-740-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15852.4	0.0	15852.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15852.4	0.0	15852.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	31704.8	0.0	31704.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.5	1.7
10°-20°	1652.8	5.2
20°-30°	2924.0	9.2
30°-40°	4707.7	14.8
40°-50°	6470.6	20.4
50°-60°	8622.7	27.2
60°-70°	5374.1	17.0
70°-80°	1235.8	3.9
80°-90°	167.7	0.5
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°	31704.8	100.0
0°-180°	31704.8	100.0

Coefficient of Utilization



REPORT NUMBER: P640715

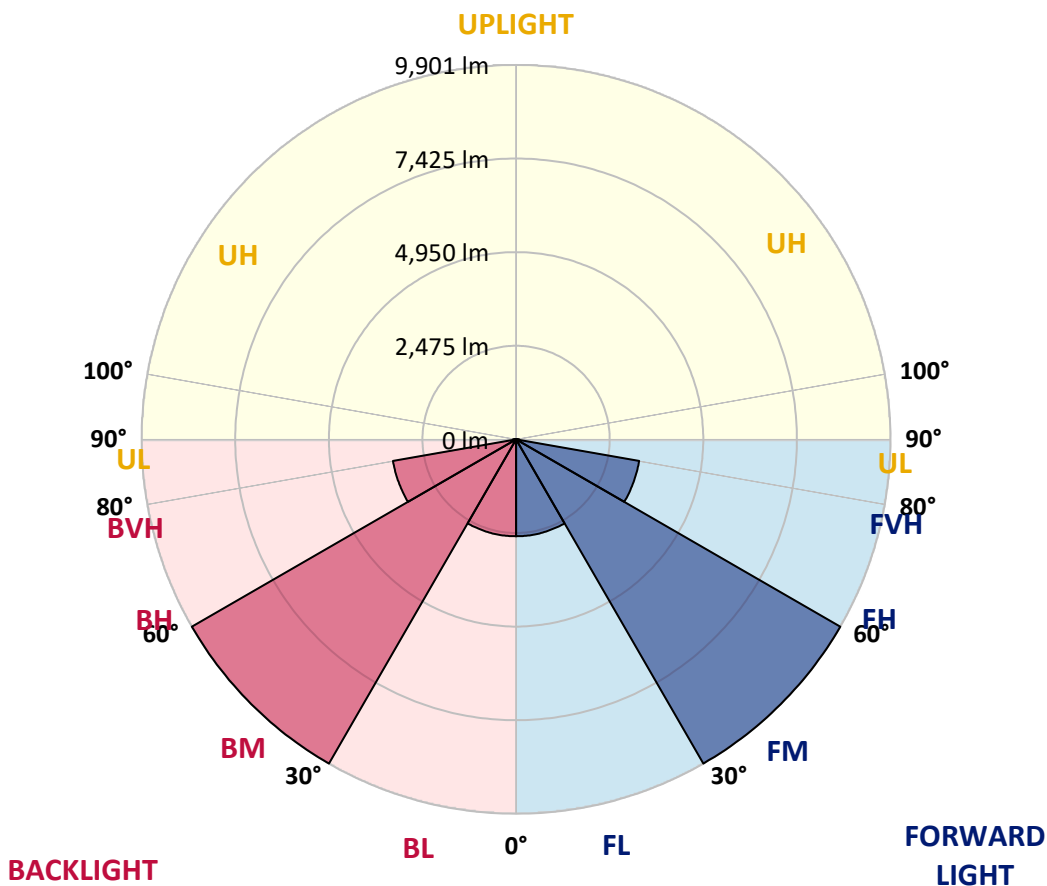
CATALOG NUMBER: GWS-SA5E-740-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2563.1	8.1			
FM (30°-60°)	9900.5	31.2			
FH (60°-80°)	3304.9	10.4			G2/5000
FVH (80°-90°)	83.8	0.3			G1/100
BL (0°-30°)	2563.1	8.1	B4/5000		
BM (30°-60°)	9900.5	31.2	B5		
BH (60°-80°)	3304.9	10.4	B4/5000		G2/5000
BVH (80°-90°)	83.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P640715

CATALOG NUMBER: GWS-SA5E-740-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5794.0	5794.0	5794.0	5794.0	5794.0	5794.0	5794.0	5794.0	5794.0	5794.0	5794.0
2.5°	5753.6	5759.0	5769.8	5777.9	5788.6	5799.4	5804.8	5794.0	5788.6	5767.1	5791.3
5°	5759.0	5764.4	5772.5	5772.5	5775.2	5783.2	5783.2	5769.8	5756.3	5732.1	5759.0
7.5°	5750.9	5756.3	5759.0	5756.3	5759.0	5761.7	5756.3	5740.2	5726.7	5705.2	5726.7
10°	5737.5	5742.9	5748.3	5742.9	5737.5	5745.6	5745.6	5734.8	5726.7	5705.2	5729.4
12.5°	5767.1	5775.2	5777.9	5764.4	5759.0	5761.7	5761.7	5750.9	5750.9	5732.1	5759.0
15°	5837.1	5842.4	5834.4	5818.2	5820.9	5829.0	5810.2	5783.2	5777.9	5769.8	5791.3
17.5°	5890.9	5896.3	5888.2	5877.4	5896.3	5915.1	5880.1	5829.0	5812.8	5807.5	5831.7
20°	5950.1	5958.2	5947.4	5960.9	5998.5	6020.1	5977.0	5907.0	5874.7	5866.7	5896.3
22.5°	6047.0	6057.7	6057.7	6087.3	6143.9	6178.8	6125.0	6030.8	5982.4	5968.9	5998.5
25°	6200.4	6208.4	6216.5	6275.7	6367.2	6415.7	6329.5	6200.4	6133.1	6111.6	6127.7
27.5°	6413.0	6426.4	6439.9	6526.0	6639.0	6709.0	6585.2	6423.7	6340.3	6297.2	6329.5
30°	6665.9	6684.8	6717.1	6813.9	6972.7	7050.8	6892.0	6695.5	6601.3	6555.6	6598.7
32.5°	7010.4	7013.1	7037.3	7145.0	7354.9	7443.7	7244.5	7026.5	6929.7	6875.8	6900.1
35°	7419.5	7422.1	7384.5	7494.8	7720.9	7820.4	7586.3	7365.6	7284.9	7268.7	7330.6
37.5°	7839.3	7815.0	7777.4	7825.8	8054.6	8119.1	7871.6	7683.2	7648.2	7677.8	7769.3
40°	8138.0	8097.6	8022.3	8057.2	8288.7	8364.0	8100.3	7922.7	7911.9	7984.6	8094.9
42.5°	8331.7	8288.7	8199.9	8199.9	8358.7	8390.9	8186.4	8092.2	8116.5	8199.9	8304.8
45°	8425.9	8401.7	8350.6	8323.7	8412.5	8425.9	8269.8	8232.2	8277.9	8318.3	8399.0
47.5°	8498.6	8498.6	8482.4	8455.5	8495.9	8504.0	8388.3	8377.5	8436.7	8436.7	8490.5
50°	8627.8	8641.2	8662.8	8657.4	8700.4	8727.3	8641.2	8625.1	8649.3	8571.3	8598.2
52.5°	8966.9	9001.8	9063.7	9112.2	9222.5	9305.9	9152.5	9023.4	8896.9	8724.6	8730.0
55°	9575.0	9591.2	9712.3	9854.9	10040.6	10210.2	9895.3	9494.3	9219.8	9018.0	9020.7
57.5°	10089.1	10113.3	10290.9	10589.6	11006.7	11270.5	10573.5	9903.4	9515.8	9268.3	9276.3
60°	9645.0	9612.7	9949.1	10460.4	11216.6	11553.0	10525.0	9610.0	9053.0	8746.2	8767.7
62.5°	7462.5	7400.6	7774.7	8310.2	9217.1	9553.5	8606.2	7728.9	7201.5	6962.0	6927.0
65°	4542.6	4486.1	4755.2	5083.5	5697.1	5909.7	5476.5	5010.9	4550.7	4405.4	4365.0
67.5°	2473.2	2465.1	2537.7	2699.2	2968.3	3067.9	2984.5	2763.8	2645.4	2543.1	2543.1
70°	1961.8	1945.7	1932.2	1934.9	1959.1	1972.6	1975.3	1964.5	1978.0	1980.7	1969.9
72.5°	1625.4	1620.1	1593.2	1595.8	1585.1	1579.7	1598.5	1609.3	1630.8	1633.5	1633.5
75°	1178.7	1165.3	1178.7	1181.4	1170.6	1170.6	1184.1	1181.4	1192.2	1197.6	1168.0
77.5°	670.1	670.1	688.9	710.5	726.6	726.6	740.1	740.1	753.5	750.8	745.4
80°	368.7	368.7	379.4	392.9	409.1	425.2	438.7	441.3	449.4	446.7	438.7
82.5°	209.9	212.6	218.0	226.1	242.2	255.7	269.1	271.8	279.9	279.9	271.8
85°	99.6	96.9	99.6	105.0	113.0	123.8	137.2	145.3	150.7	150.7	145.3
87.5°	18.8	21.5	18.8	21.5	24.2	32.3	37.7	43.1	51.1	53.8	48.4
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)