

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: P640108

Luminaire Tested: GWS-SA5D-730-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-730-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28592.2 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

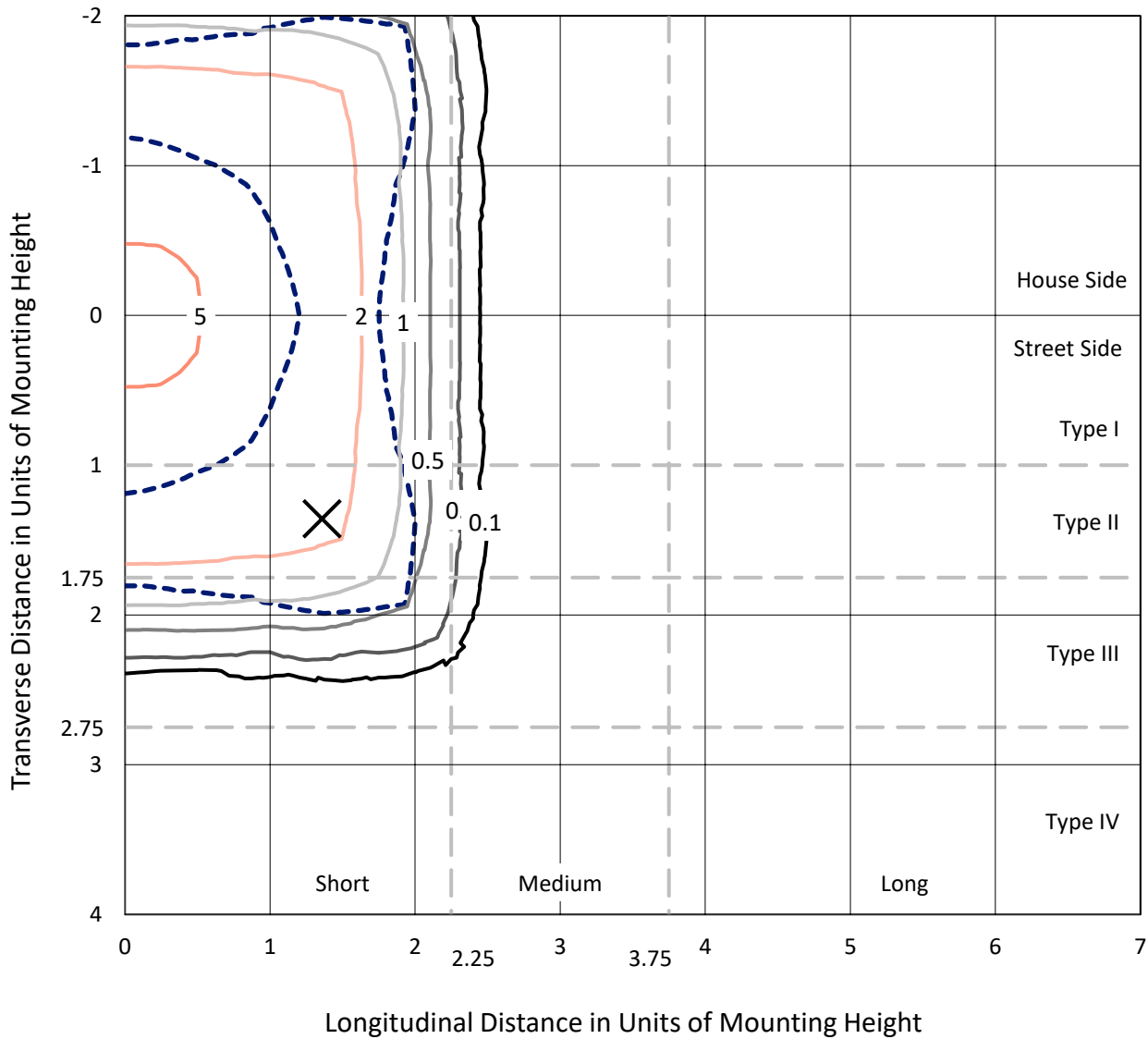
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640108
 CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

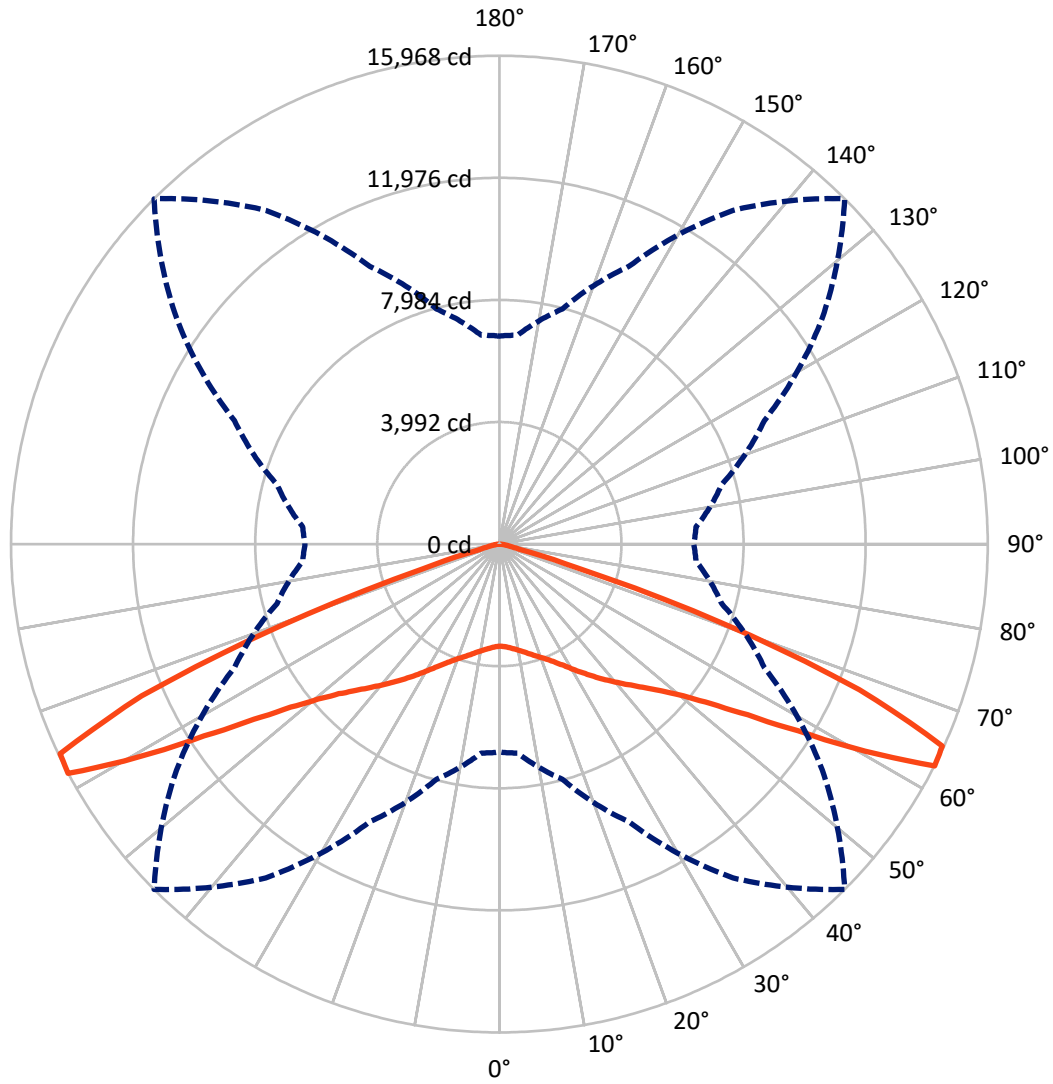
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P640108
CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P640108

CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14296.1	0.0	14296.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14296.1	0.0	14296.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	28592.2	0.0	28592.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.3	1.1
10°-20°	1055.4	3.7
20°-30°	1996.7	7.0
30°-40°	3360.7	11.8
40°-50°	5369.5	18.8
50°-60°	8655.3	30.3
60°-70°	7061.7	24.7
70°-80°	685.8	2.4
80°-90°	79.8	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°	28592.2	100.0
0°-180°	28592.2	100.0

Coefficient of Utilization



REPORT NUMBER: P640108

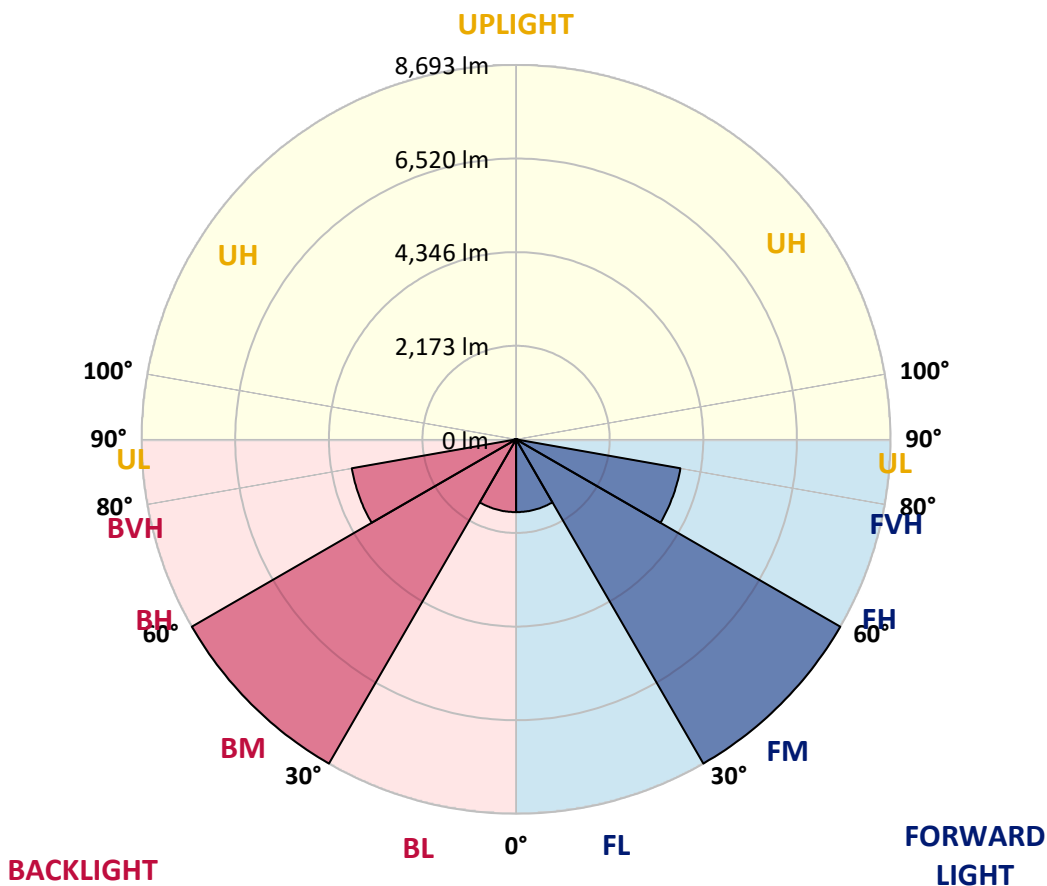
CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1689.7	5.9			
FM (30°-60°)	8692.8	30.4			
FH (60°-80°)	3873.8	13.5			G2/5000
FVH (80°-90°)	39.9	0.1			G1/100
BL (0°-30°)	1689.7	5.9	B3/2500		
BM (30°-60°)	8692.8	30.4	B5		
BH (60°-80°)	3873.8	13.5	B4/5000		G2/5000
BVH (80°-90°)	39.9	0.1			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: P640108
 CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3335.7	3335.7	3335.7	3335.7	3335.7	3335.7	3335.7	3335.7	3335.7	3335.7	3335.7
2.5°	3331.7	3331.7	3339.6	3345.5	3341.5	3357.2	3355.3	3351.4	3349.4	3343.5	3361.2
5°	3376.8	3376.8	3382.7	3388.6	3378.8	3398.4	3390.6	3386.7	3384.7	3376.8	3392.5
7.5°	3427.8	3433.7	3435.7	3445.5	3439.6	3461.2	3455.3	3447.4	3443.5	3433.7	3447.4
10°	3484.7	3488.6	3490.6	3508.2	3510.2	3535.7	3529.8	3520.0	3512.2	3502.4	3522.0
12.5°	3561.2	3563.1	3569.0	3590.6	3596.5	3616.1	3614.1	3600.4	3590.6	3576.9	3598.4
15°	3659.2	3661.2	3671.0	3692.6	3702.4	3725.9	3718.1	3696.5	3682.8	3667.1	3684.7
17.5°	3761.2	3769.0	3778.9	3800.4	3814.2	3841.6	3831.8	3808.3	3796.5	3780.8	3792.6
20°	3892.6	3894.6	3900.4	3924.0	3933.8	3965.1	3967.1	3943.6	3937.7	3922.0	3939.7
22.5°	4037.7	4039.7	4045.5	4071.0	4088.7	4108.3	4120.1	4106.3	4096.5	4076.9	4098.5
25°	4198.5	4218.1	4224.0	4255.4	4275.0	4286.8	4300.5	4294.6	4280.9	4257.3	4267.1
27.5°	4424.0	4427.9	4437.7	4473.0	4484.8	4496.6	4510.3	4512.3	4492.7	4465.2	4478.9
30°	4680.9	4679.0	4700.5	4728.0	4737.8	4747.6	4767.2	4779.0	4753.5	4724.1	4737.8
32.5°	4943.7	4967.2	4994.7	5020.2	5014.3	5018.2	5049.6	5071.2	5035.9	4982.9	4994.7
35°	5239.8	5255.5	5290.8	5328.0	5320.2	5314.3	5333.9	5355.5	5306.5	5237.8	5255.5
37.5°	5543.8	5567.3	5620.2	5665.3	5653.6	5626.1	5647.7	5671.2	5624.2	5545.7	5537.9
40°	5883.0	5920.3	5996.7	6034.0	6002.6	5949.7	5986.9	6043.8	5996.7	5906.5	5885.0
42.5°	6281.1	6326.2	6402.7	6459.5	6390.9	6304.6	6367.4	6449.7	6438.0	6318.4	6281.1
45°	6773.3	6802.7	6896.8	6924.3	6822.3	6702.7	6816.4	6941.9	6912.5	6783.1	6734.1
47.5°	7308.7	7353.8	7436.1	7487.1	7322.4	7173.3	7332.2	7500.8	7469.5	7347.9	7291.0
50°	7991.1	8049.9	8157.8	8200.9	7973.4	7802.8	8006.8	8220.5	8159.7	7997.0	7922.5
52.5°	8734.3	8781.4	8965.7	9052.0	8838.2	8653.9	8832.4	9042.2	8912.8	8697.0	8597.0
55°	9389.3	9436.3	9707.0	9993.3	9983.5	9856.0	9946.2	9950.1	9599.1	9242.2	9136.3
57.5°	9530.5	9577.5	10093.3	10842.4	11371.9	11518.9	11254.2	10697.3	9812.9	9187.3	9067.7
60°	8777.4	8830.4	9650.1	11018.9	12760.2	13742.7	12523.0	10681.6	9152.0	8304.8	8191.1
62.5°	6800.8	6857.6	7959.7	10014.8	13321.1	15968.4	12891.6	9557.9	7528.3	6455.6	6355.6
65°	3247.4	3247.4	4647.6	7183.2	12203.3	15915.5	11824.8	7071.4	4531.9	3480.8	3394.5
67.5°	804.0	807.9	1196.2	2796.4	8300.9	12701.4	8436.2	3394.5	1596.3	1129.5	1100.1
70°	502.0	500.1	555.0	756.9	2904.2	7708.7	3449.4	1023.6	649.1	572.6	568.7
72.5°	390.2	390.2	417.7	484.4	760.9	2625.8	1006.0	568.7	470.6	423.6	423.6
75°	307.9	307.9	327.5	362.8	449.1	676.5	535.4	421.6	364.7	333.4	329.4
77.5°	229.4	233.4	249.0	272.6	305.9	380.4	339.3	317.7	284.3	260.8	253.0
80°	149.0	154.9	174.5	188.3	200.0	251.0	221.6	231.4	215.7	188.3	184.3
82.5°	80.4	82.4	105.9	109.8	113.7	137.3	141.2	147.1	153.0	119.6	111.8
85°	29.4	29.4	35.3	41.2	45.1	49.0	66.7	82.4	86.3	68.6	66.7
87.5°	5.9	5.9	5.9	3.9	3.9	3.9	11.8	21.6	35.3	27.5	27.5
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)