

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P639158

Luminaire Tested: **USSL-M-PA6A-730-U-5WQ**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6A-730-U-5WQ
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39112 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Medium
BUG Rating: B5 - U0 - G5

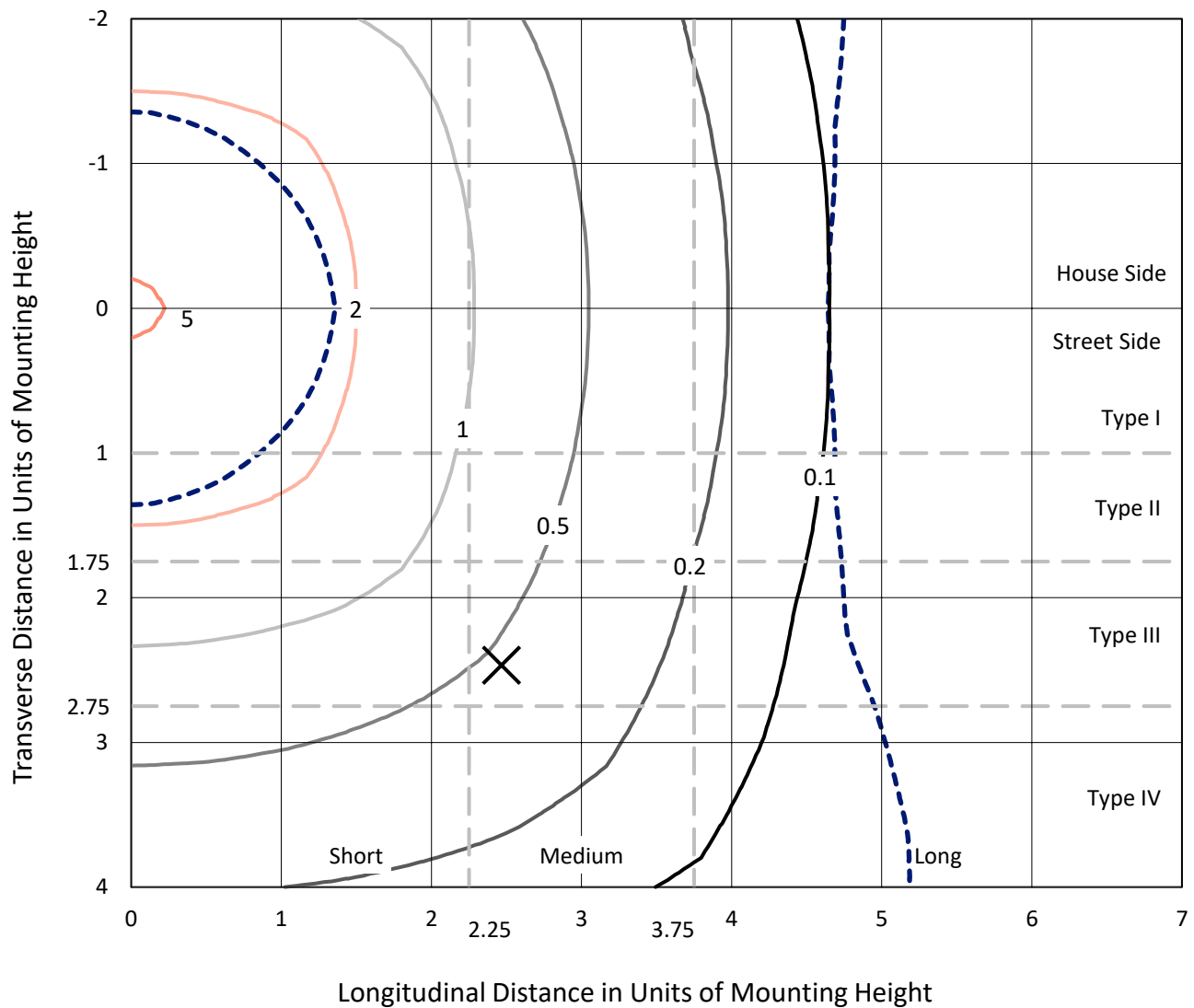
Input Watts (W): 273.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P639158
 CATALOG NUMBER: USSL-M-PA6A-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

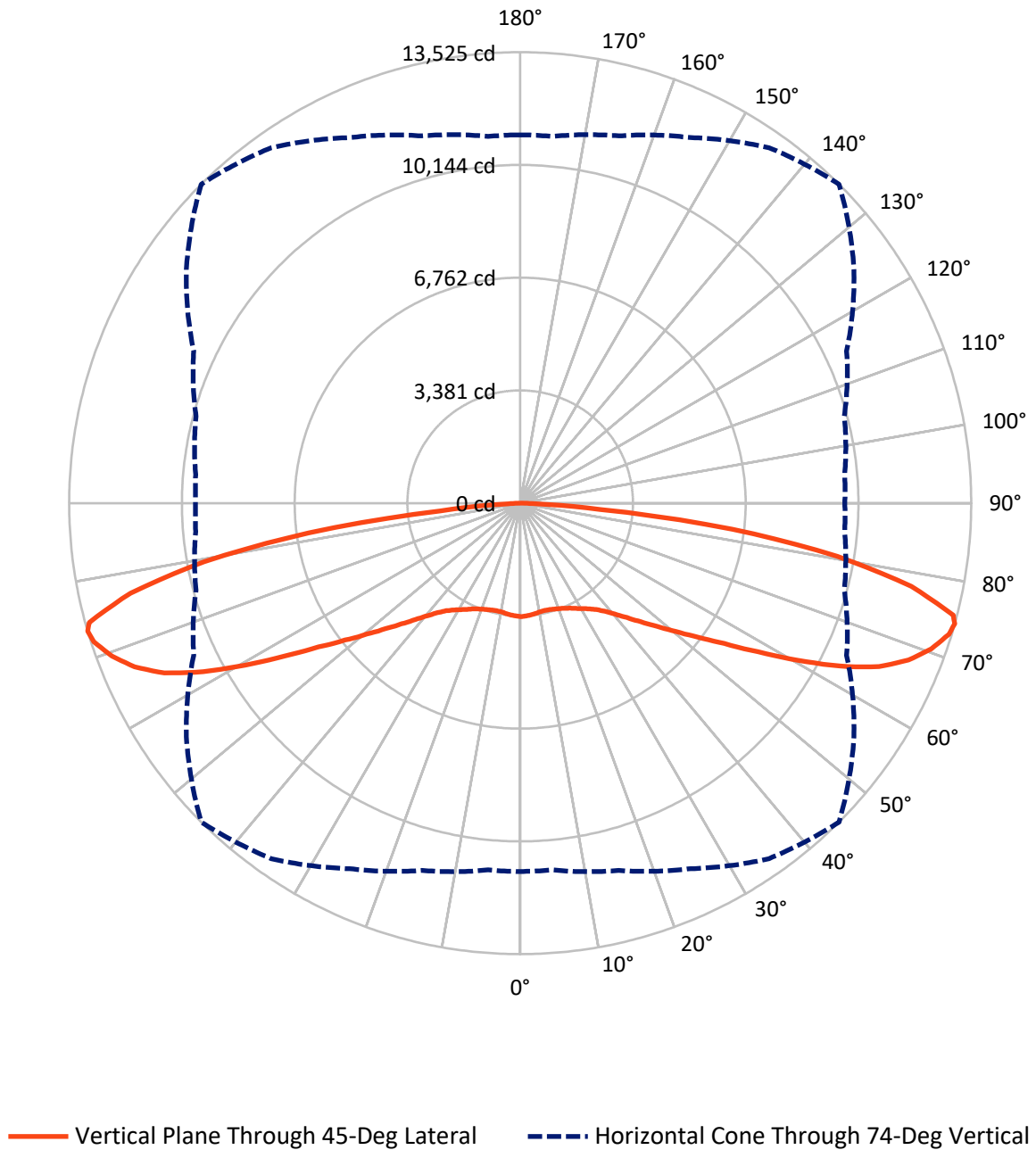
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P639158
CATALOG NUMBER: USSL-M-PA6A-730-U-5WQ

Luminous Intensity Polar Plot



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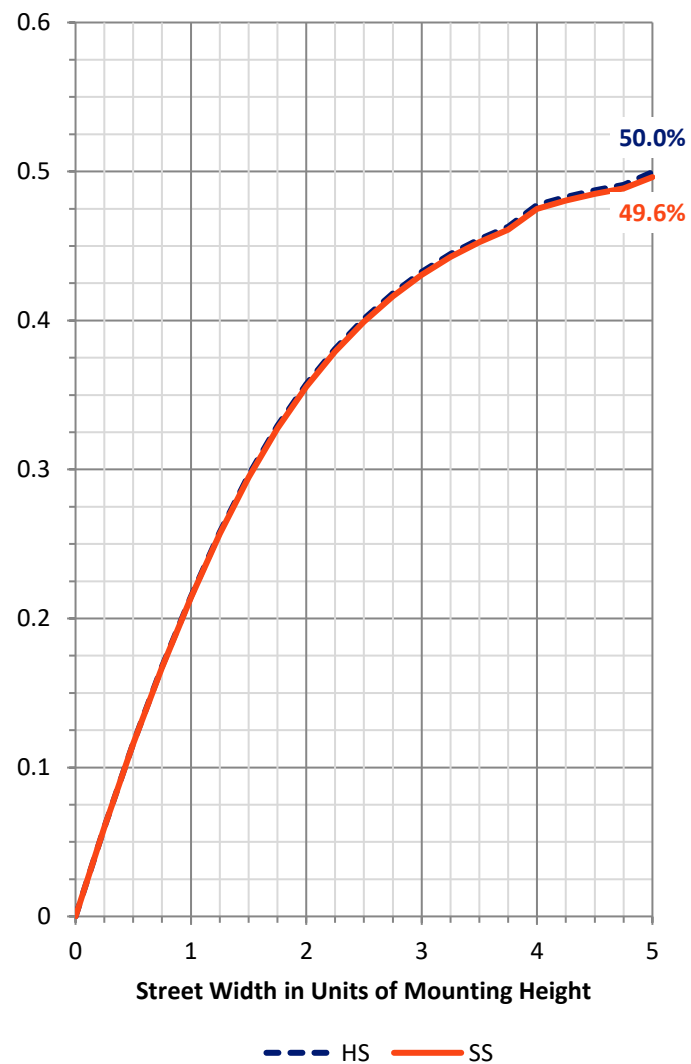
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19556.0	0.0	19556.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19556.0	0.0	19556.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39112.0	0.0	39112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.1	0.8
10°-20°	949.4	2.4
20°-30°	1630.8	4.2
30°-40°	2509.3	6.4
40°-50°	4022.1	10.3
50°-60°	6567.4	16.8
60°-70°	10240.5	26.2
70°-80°	10923.1	27.9
80°-90°	1949.2	5.0
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°	39112.0	100.0
0°-180°	39112.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639158

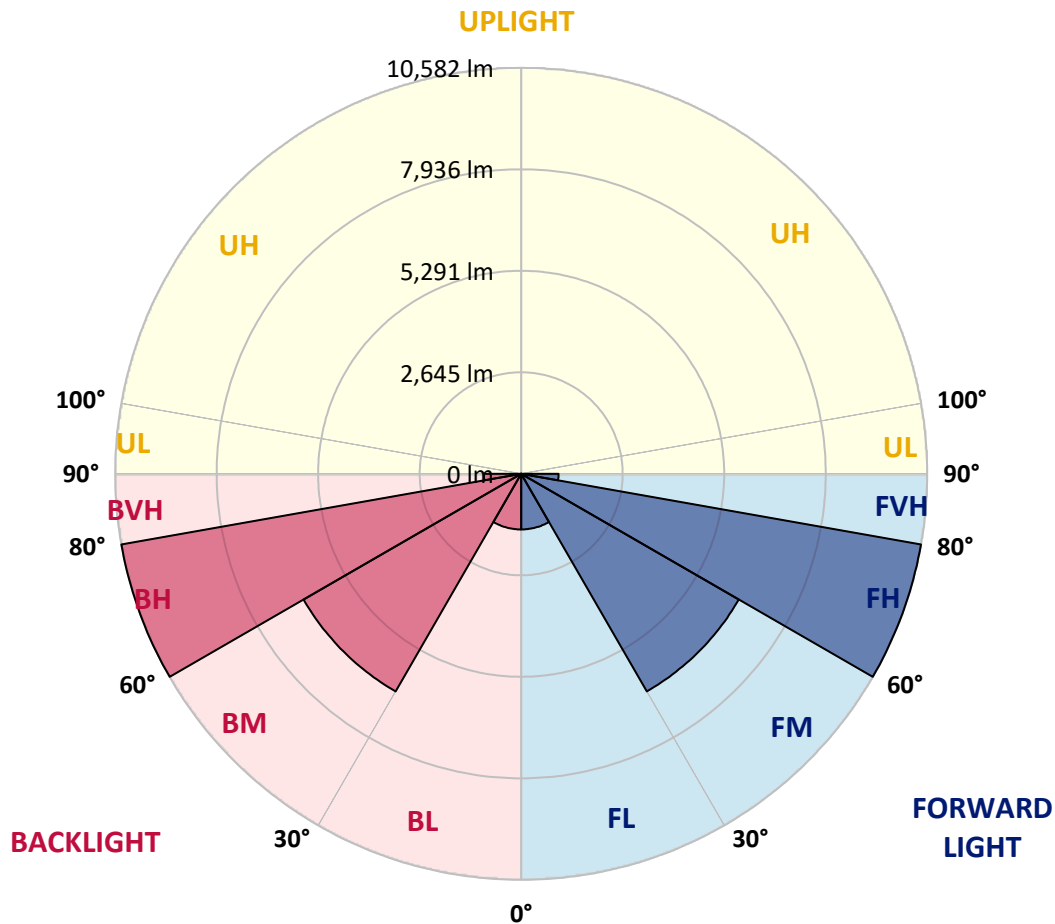
CATALOG NUMBER: USSL-M-PA6A-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1450.2	3.7			
FM	(30°-60°)	6549.4	16.7			
FH	(60°-80°)	10581.8	27.1			G4/12000
FVH	(80°-90°)	974.6	2.5			G5
BL	(0°-30°)	1450.2	3.7	B3/2500		
BM	(30°-60°)	6549.4	16.7	B4/8500		
BH	(60°-80°)	10581.8	27.1	B5		G4/12000
BVH	(80°-90°)	974.6	2.5			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Medium



REPORT NUMBER: P639158

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3403.3	3403.3	3403.3	3403.3	3403.3	3403.3	3403.3	3403.3	3403.3	3403.3	3403.3
2.5°	3399.7	3405.1	3400.6	3392.4	3388.7	3386.0	3387.8	3393.3	3399.7	3402.4	3399.7
5°	3365.0	3369.6	3367.8	3363.2	3365.0	3366.0	3369.6	3376.9	3382.4	3384.2	3384.2
7.5°	3325.0	3329.5	3330.4	3328.6	3335.9	3338.6	3344.1	3351.4	3357.8	3362.3	3363.2
10°	3315.9	3315.9	3313.1	3307.7	3309.5	3311.3	3318.6	3331.4	3344.1	3350.5	3354.1
12.5°	3331.4	3331.4	3322.2	3308.6	3301.3	3300.4	3307.7	3325.9	3347.7	3361.4	3361.4
15°	3358.7	3355.9	3343.2	3325.9	3315.9	3311.3	3316.8	3335.0	3362.3	3380.5	3382.4
17.5°	3382.4	3382.4	3369.6	3351.4	3340.5	3338.6	3339.5	3354.1	3382.4	3404.2	3408.8
20°	3408.8	3409.7	3397.8	3381.4	3374.2	3373.2	3376.0	3384.2	3409.7	3433.3	3437.9
22.5°	3454.3	3453.4	3439.7	3422.4	3419.7	3421.5	3423.3	3429.7	3455.2	3480.7	3478.9
25°	3517.1	3520.8	3503.5	3487.1	3486.2	3488.0	3489.8	3498.0	3523.5	3549.0	3547.2
27.5°	3593.6	3598.2	3579.1	3566.3	3570.0	3576.3	3573.6	3577.2	3595.5	3621.9	3616.4
30°	3682.9	3677.4	3666.5	3662.8	3669.2	3669.2	3665.6	3664.7	3676.5	3701.1	3694.7
32.5°	3794.9	3792.2	3778.5	3775.8	3780.3	3775.8	3774.0	3778.5	3793.1	3817.7	3814.0
35°	3962.5	3956.1	3938.8	3926.0	3925.1	3914.2	3918.8	3936.1	3963.4	3984.3	3984.3
37.5°	4160.1	4171.9	4153.7	4130.0	4114.6	4108.2	4115.5	4144.6	4188.3	4209.3	4209.3
40°	4448.8	4452.4	4426.9	4398.7	4381.4	4370.5	4378.7	4412.4	4469.7	4497.1	4484.3
42.5°	4782.1	4782.1	4758.4	4722.0	4694.7	4691.9	4699.2	4738.4	4800.3	4828.5	4811.2
45°	5193.7	5165.5	5143.6	5102.7	5074.4	5075.3	5083.5	5121.8	5176.4	5216.5	5197.4
47.5°	5619.9	5598.1	5579.0	5533.4	5517.0	5518.9	5525.2	5565.3	5609.9	5660.0	5642.7
50°	6066.2	6058.9	6060.7	6029.8	6040.7	6048.0	6045.2	6068.9	6104.4	6129.0	6097.2
52.5°	6532.5	6527.0	6581.6	6592.6	6650.0	6671.8	6645.4	6626.3	6619.9	6579.8	6534.3
55°	7027.0	7025.2	7139.9	7226.4	7376.7	7427.7	7362.1	7249.2	7159.9	7061.6	7016.1
57.5°	7590.7	7601.6	7747.3	7945.0	8257.3	8410.3	8226.4	7952.3	7761.0	7605.3	7557.9
60°	8198.1	8197.2	8415.8	8734.6	9267.3	9565.1	9197.2	8707.2	8400.3	8181.8	8117.1
62.5°	8775.5	8778.3	9043.3	9515.0	10311.0	10763.6	10141.6	9402.1	9000.5	8730.9	8675.4
65°	9519.6	9516.8	9753.6	10263.6	11246.3	11826.4	11021.3	10129.7	9644.3	9351.1	9278.2
67.5°	10513.2	10484.0	10703.5	11164.3	12020.4	12559.5	11790.0	10860.1	10335.6	10059.6	10005.0
70°	11295.4	11308.2	11599.6	12064.1	12682.4	13077.7	12318.2	11453.9	10905.7	10584.2	10525.0
72.5°	11392.0	11387.4	11734.4	12360.1	13074.1	13442.9	12485.7	11341.0	10606.0	10250.0	10206.2
74°	11045.0	11040.5	11402.9	12096.0	13013.0	13524.8	12218.0	10801.8	10063.3	9767.3	9733.6
75°	10639.7	10549.6	10983.1	11736.2	12784.4	13411.0	11817.3	10346.5	9683.5	9390.3	9352.0
77.5°	7888.5	7735.5	8524.2	9938.5	11412.0	11990.3	10416.6	8774.6	7875.8	7310.2	7229.2
80°	3910.6	3792.2	4610.0	6422.3	8424.9	9644.3	8092.5	5828.5	4588.1	3831.3	3734.8
82.5°	945.3	959.9	1446.2	2637.4	4586.3	6410.4	4749.3	2526.3	1672.1	1197.6	1084.6
85°	229.5	232.2	421.7	649.3	1511.8	2411.5	1551.8	740.4	589.2	443.5	432.6
87.5°	65.6	70.1	141.2	170.3	263.2	356.1	346.1	336.0	343.3	246.8	206.7
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)