

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: P639419

Luminaire Tested: **USSL-M-PA6D-740-U-5WQ**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639419
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-PA6D-740-U-5WQ
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE V WIDE OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70079 lumens
Efficiency: N/A
Efficacy: 128.8 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

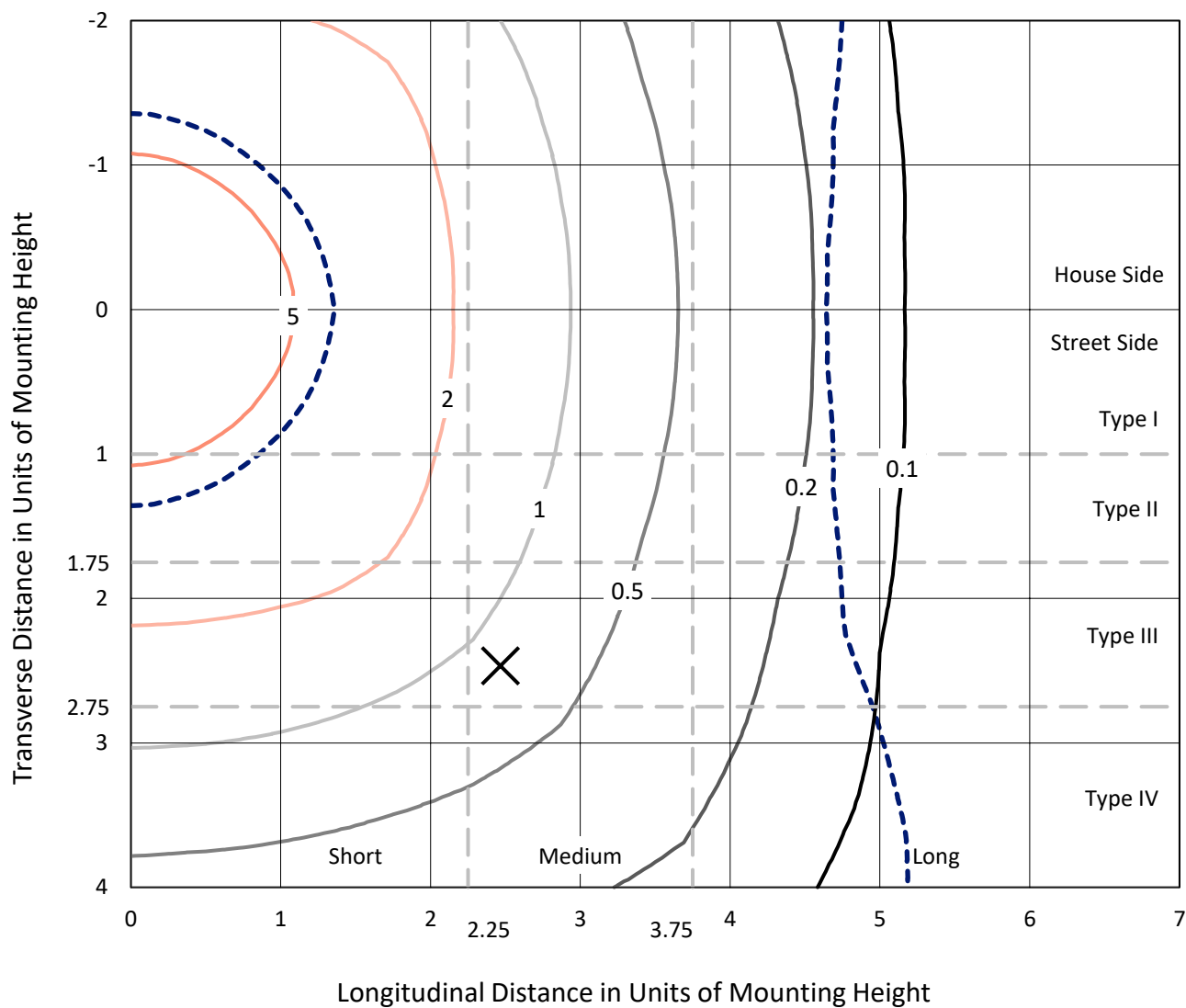
Input Watts (W): 544
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P639419
 CATALOG NUMBER: USSL-M-PA6D-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

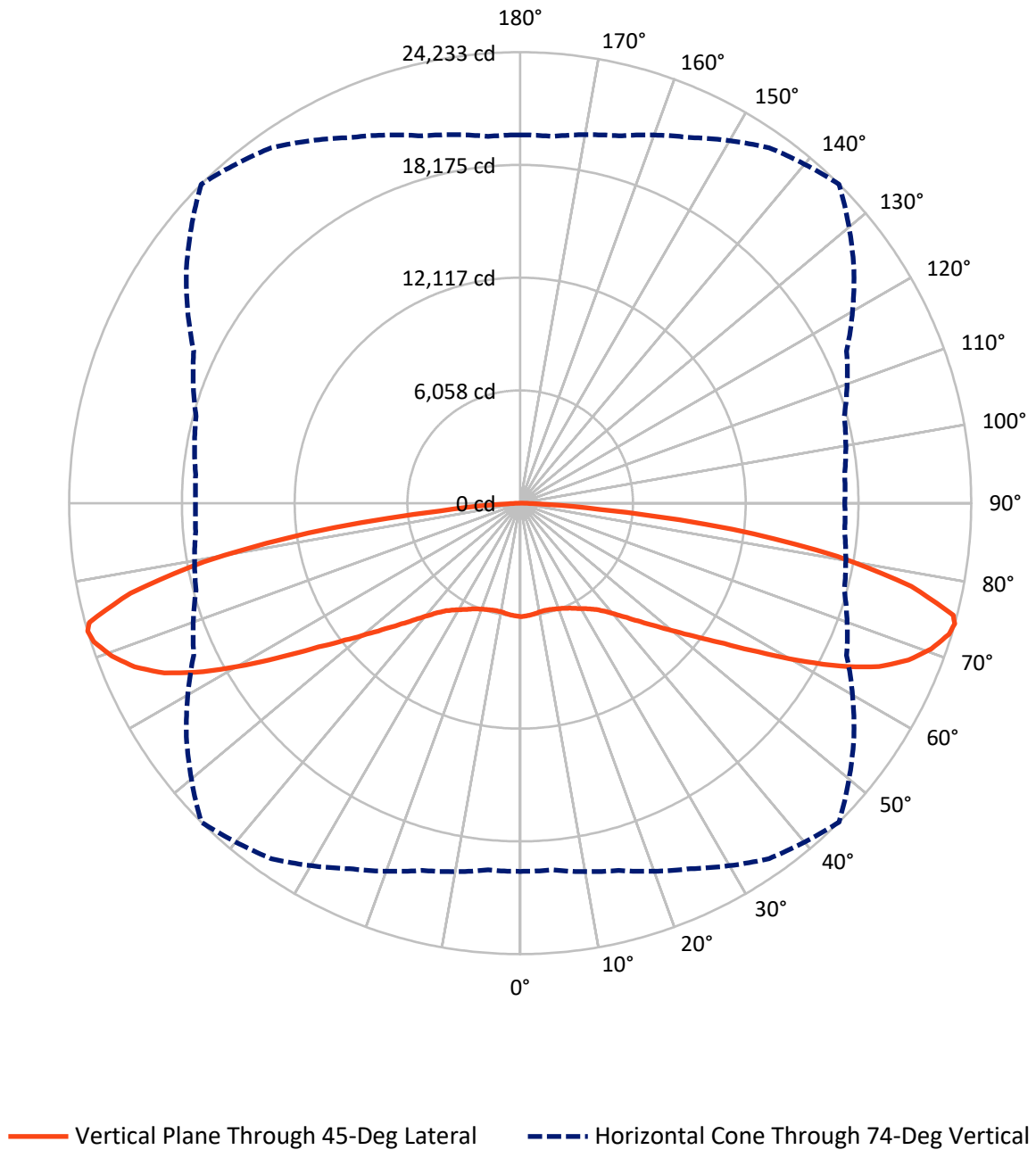
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type V - Medium - N/A

REPORT NUMBER: P639419
CATALOG NUMBER: USSL-M-PA6D-740-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P639419

CATALOG NUMBER: USSL-M-PA6D-740-U-5WQ

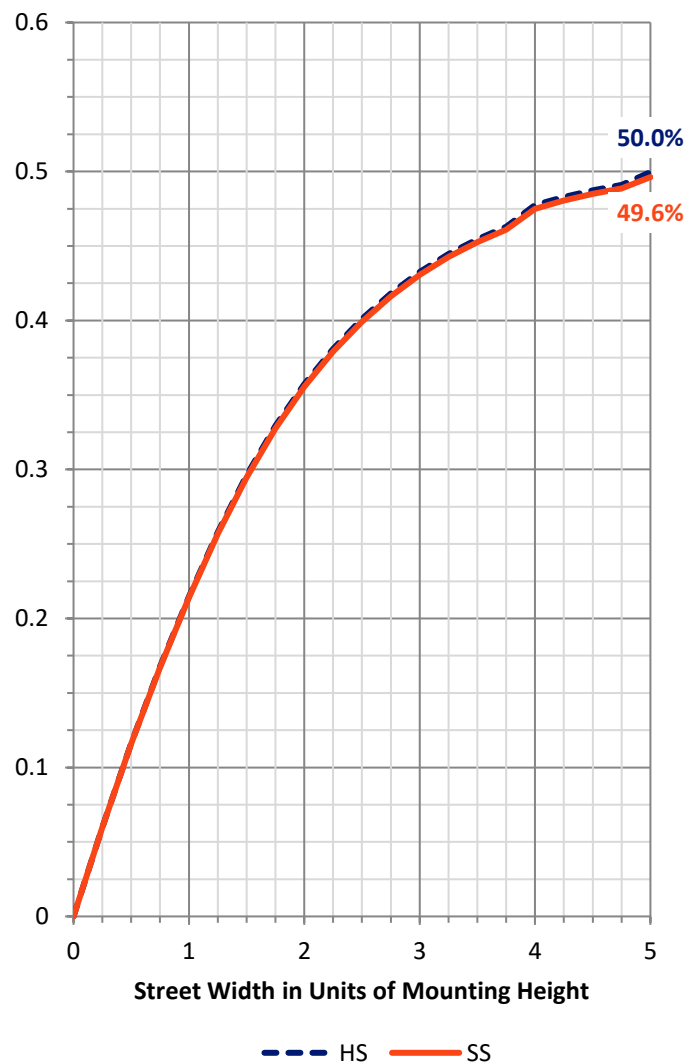
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35039.5	0.0	35039.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35039.5	0.0	35039.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	70079.0	0.0	70079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.6	0.8
10°-20°	1701.1	2.4
20°-30°	2922.1	4.2
30°-40°	4496.0	6.4
40°-50°	7206.7	10.3
50°-60°	11767.1	16.8
60°-70°	18348.4	26.2
70°-80°	19571.4	27.9
80°-90°	3492.6	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°	70079.0	100.0
0°-180°	70079.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639419

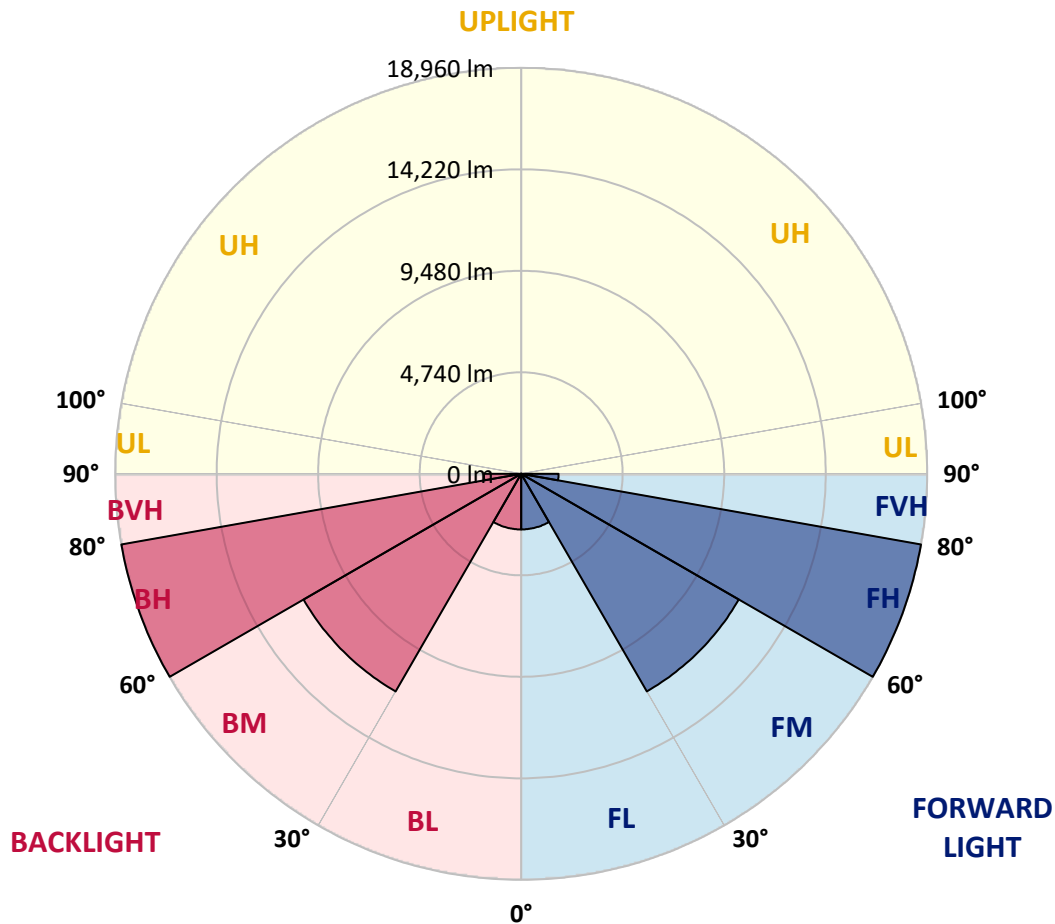
CATALOG NUMBER: USSL-M-PA6D-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2598.4	3.7			
FM	(30°-60°)	11734.9	16.7			
FH	(60°-80°)	18959.9	27.1			G5
FVH	(80°-90°)	1746.3	2.5			G5
BL	(0°-30°)	2598.4	3.7	B4/5000		
BM	(30°-60°)	11734.9	16.7	B5		
BH	(60°-80°)	18959.9	27.1	B5		G5
BVH	(80°-90°)	1746.3	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: P639419

CATALOG NUMBER: USSL-M-PA6D-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6097.9	6097.9	6097.9	6097.9	6097.9	6097.9	6097.9	6097.9	6097.9	6097.9	6097.9
2.5°	6091.3	6101.1	6093.0	6078.3	6071.8	6066.9	6070.1	6079.9	6091.3	6096.2	6091.3
5°	6029.3	6037.5	6034.2	6026.1	6029.3	6031.0	6037.5	6050.5	6060.3	6063.6	6063.6
7.5°	5957.5	5965.7	5967.3	5964.1	5977.1	5982.0	5991.8	6004.9	6016.3	6024.4	6026.1
10°	5941.2	5941.2	5936.3	5926.5	5929.8	5933.1	5946.1	5969.0	5991.8	6003.2	6009.7
12.5°	5969.0	5969.0	5952.6	5928.2	5915.1	5913.5	5926.5	5959.2	5998.3	6022.8	6022.8
15°	6017.9	6013.0	5990.2	5959.2	5941.2	5933.1	5942.8	5975.5	6024.4	6057.1	6060.3
17.5°	6060.3	6060.3	6037.5	6004.9	5985.3	5982.0	5983.6	6009.7	6060.3	6099.5	6107.7
20°	6107.7	6109.3	6088.1	6058.7	6045.6	6044.0	6048.9	6063.6	6109.3	6151.7	6159.9
22.5°	6189.2	6187.6	6163.1	6132.1	6127.2	6130.5	6133.8	6145.2	6190.9	6236.6	6233.3
25°	6301.8	6308.4	6277.4	6248.0	6246.4	6249.6	6252.9	6267.6	6313.3	6358.9	6355.7
27.5°	6438.9	6447.1	6412.8	6389.9	6396.5	6407.9	6403.0	6409.5	6442.2	6489.5	6479.7
30°	6598.8	6589.0	6569.4	6562.9	6574.3	6574.3	6567.8	6566.2	6587.4	6631.4	6620.0
32.5°	6799.5	6794.6	6770.1	6765.3	6773.4	6765.3	6762.0	6770.1	6796.3	6840.3	6833.8
35°	7099.8	7088.3	7057.3	7034.5	7032.9	7013.3	7021.4	7052.4	7101.4	7138.9	7138.9
37.5°	7453.9	7475.1	7442.4	7400.0	7372.3	7360.8	7373.9	7426.1	7504.4	7542.0	7542.0
40°	7971.1	7977.6	7932.0	7881.4	7850.4	7830.8	7845.5	7905.8	8008.6	8057.6	8034.8
42.5°	8568.3	8568.3	8525.9	8460.6	8411.7	8406.8	8419.8	8490.0	8601.0	8651.6	8620.6
45°	9305.9	9255.3	9216.1	9142.7	9092.1	9093.8	9108.4	9177.0	9274.9	9346.7	9312.4
47.5°	10069.6	10030.4	9996.1	9914.5	9885.2	9888.4	9899.8	9971.6	10051.6	10141.3	10110.3
50°	10869.1	10856.1	10859.3	10803.8	10823.4	10836.5	10831.6	10874.0	10937.6	10981.7	10924.6
52.5°	11704.6	11694.8	11792.7	11812.3	11915.1	11954.2	11906.9	11872.6	11861.2	11789.4	11707.8
55°	12590.6	12587.3	12792.9	12948.0	13217.2	13308.6	13191.1	12988.8	12828.8	12652.6	12571.0
57.5°	13600.7	13620.2	13881.3	14235.4	14795.1	15069.2	14739.6	14248.5	13905.8	13626.8	13541.9
60°	14689.0	14687.4	15079.0	15650.1	16604.7	17138.3	16479.1	15601.2	15051.3	14659.7	14543.8
62.5°	15723.6	15728.5	16203.3	17048.6	18474.7	19285.7	18171.2	16846.2	16126.6	15643.6	15544.1
65°	17056.7	17051.8	17476.1	18389.9	20150.5	21190.0	19747.5	18150.0	17280.3	16754.8	16624.3
67.5°	18837.0	18784.7	19178.0	20003.7	21537.5	22503.5	21124.7	19458.7	18518.8	18024.3	17926.4
70°	20238.6	20261.5	20783.6	21615.8	22723.8	23432.0	22071.1	20522.6	19540.2	18964.2	18858.2
72.5°	20411.6	20403.4	21025.1	22146.2	23425.5	24086.3	22371.3	20320.2	19003.4	18365.4	18287.1
74°	19789.9	19781.7	20431.2	21673.0	23316.1	24233.2	21891.6	19354.2	18030.9	17500.6	17440.2
75°	19063.8	18902.2	19678.9	21028.4	22906.6	24029.2	21173.6	18538.4	17350.4	16825.0	16756.5
77.5°	14134.2	13860.1	15273.2	17807.3	20447.5	21483.7	18664.0	15721.9	14111.4	13098.1	12952.9
80°	7006.7	6794.6	8259.9	11507.1	15095.4	17280.3	14499.8	10443.2	8220.8	6864.8	6691.8
82.5°	1693.8	1719.9	2591.2	4725.6	8217.5	11485.9	8509.6	4526.5	2995.9	2145.8	1943.4
85°	411.2	416.1	755.5	1163.4	2708.7	4320.9	2780.5	1326.6	1055.7	794.7	775.1
87.5°	117.5	125.6	252.9	305.1	471.6	638.0	620.1	602.1	615.2	442.2	370.4
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)