

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: McGRAW-EDISON

Report Number: P543098

Luminaire Tested: **TT-D10-740-U-5WQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D10-740-U-5WQ-PM
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21936 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G4

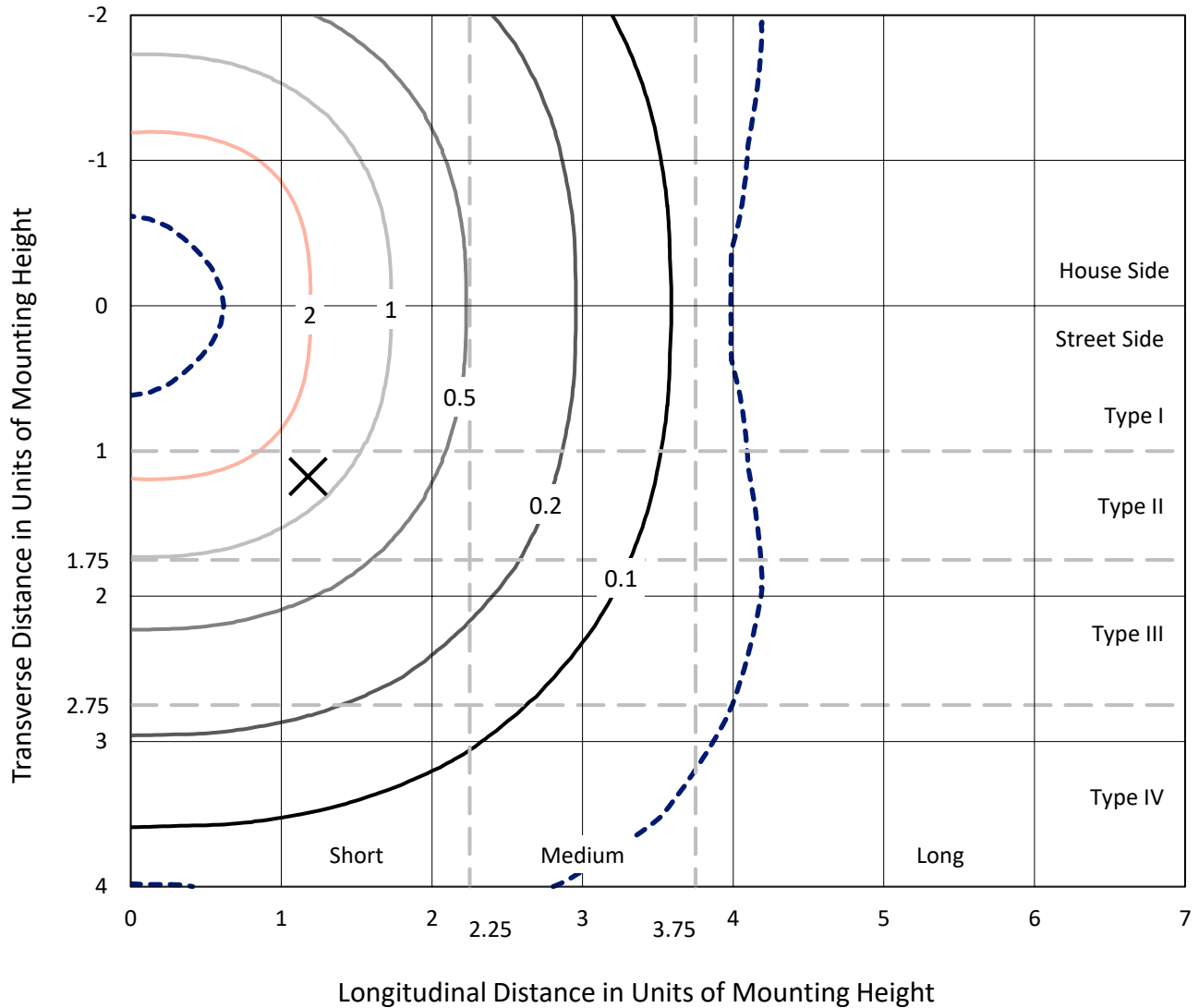
Input Watts (W): 193.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

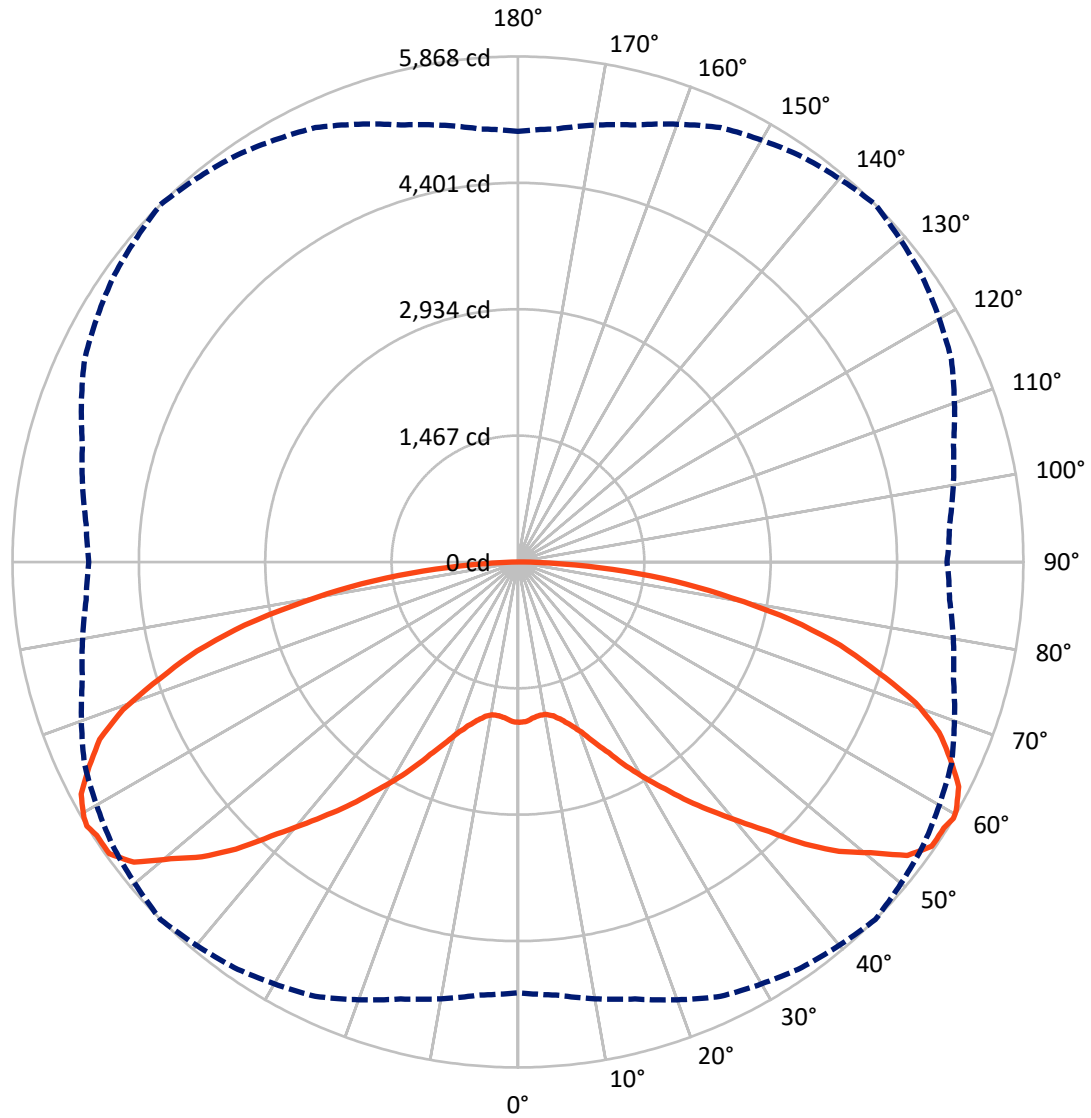
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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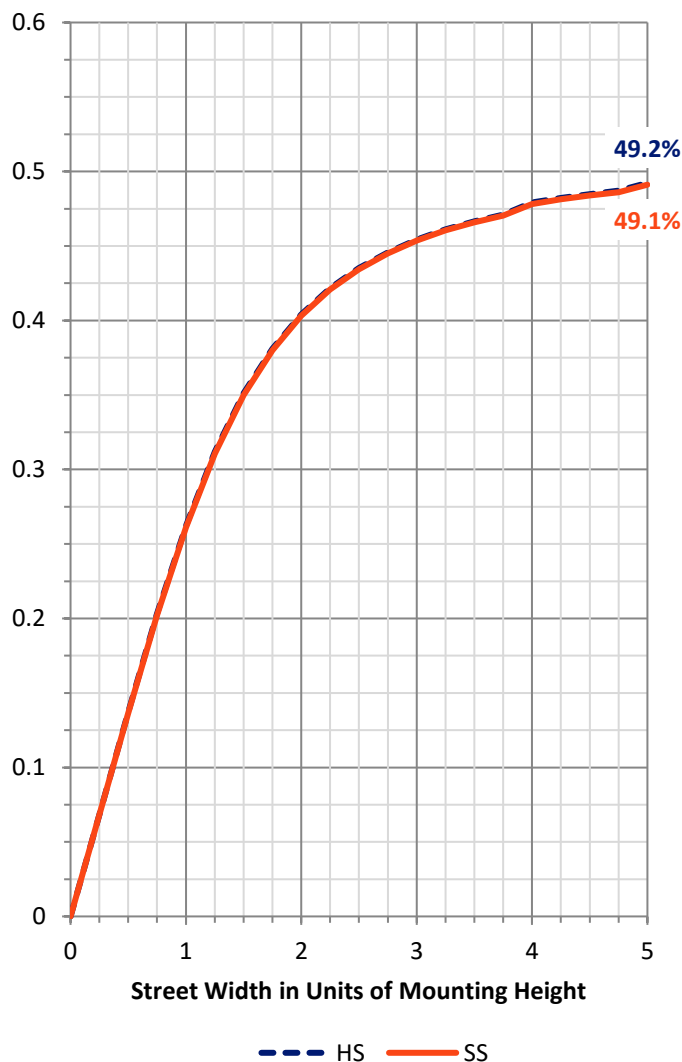
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10968.0	0.0	10968.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10968.0	0.0	10968.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21936.0	0.0	21936.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	0.8
10°-20°	544.6	2.5
20°-30°	1138.2	5.2
30°-40°	2093.9	9.5
40°-50°	3445.4	15.7
50°-60°	4806.5	21.9
60°-70°	5005.7	22.8
70°-80°	3647.9	16.6
80°-90°	1081.4	4.9
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°	21936.0	100.0
0°-180°	21936.0	100.0

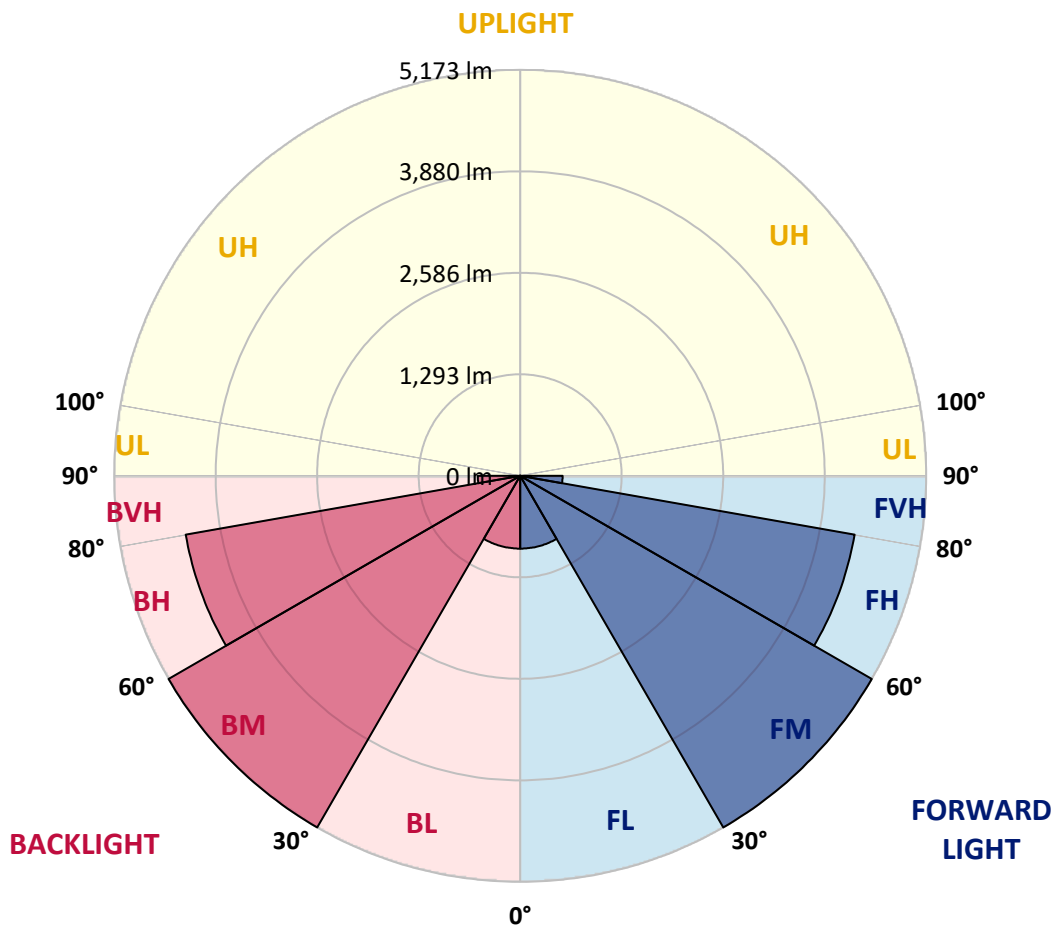


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	927.6	4.2			
FM (30°-60°)	5172.9	23.6			
FH (60°-80°)	4326.8	19.7			G2/5000
FVH (80°-90°)	540.7	2.5			G4/750
BL (0°-30°)	927.6	4.2	B2/1000		
BM (30°-60°)	5172.9	23.6	B4/8500		
BH (60°-80°)	4326.8	19.7	B4/5000		G2/5000
BVH (80°-90°)	540.7	2.5			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1862.0	1862.0	1862.0	1862.0	1862.0	1862.0	1862.0	1862.0	1862.0	1862.0	1862.0
2.5°	1852.0	1853.0	1853.0	1854.0	1853.0	1854.0	1852.0	1851.0	1850.0	1851.0	1850.0
5°	1809.0	1812.0	1812.0	1815.0	1816.0	1819.0	1817.0	1816.0	1813.0	1812.0	1811.0
7.5°	1779.0	1780.0	1783.0	1789.0	1794.0	1798.0	1797.0	1793.0	1788.0	1784.0	1783.0
10°	1778.0	1777.0	1780.0	1785.0	1795.0	1798.0	1797.0	1790.0	1786.0	1783.0	1783.0
12.5°	1810.0	1809.0	1813.0	1820.0	1833.0	1833.0	1835.0	1824.0	1816.0	1814.0	1814.0
15°	1873.0	1870.0	1880.0	1886.0	1901.0	1901.0	1902.0	1889.0	1880.0	1877.0	1877.0
17.5°	1958.0	1955.0	1966.0	1976.0	1991.0	1992.0	1993.0	1979.0	1967.0	1962.0	1964.0
20°	2068.0	2064.0	2074.0	2088.0	2109.0	2108.0	2107.0	2093.0	2078.0	2072.0	2074.0
22.5°	2204.0	2209.0	2224.0	2243.0	2269.0	2273.0	2267.0	2248.0	2226.0	2217.0	2218.0
25°	2369.0	2374.0	2392.0	2422.0	2457.1	2456.1	2452.0	2424.0	2392.0	2379.0	2382.0
27.5°	2570.1	2573.1	2600.1	2631.1	2679.1	2684.1	2675.1	2631.1	2598.1	2572.1	2569.1
30°	2771.1	2775.1	2801.1	2846.1	2898.1	2911.1	2886.1	2844.1	2801.1	2773.1	2768.1
32.5°	2990.1	2999.1	3023.1	3067.1	3136.1	3143.1	3128.1	3068.1	3019.1	2994.1	2993.1
35°	3206.1	3219.1	3253.1	3314.1	3385.1	3410.1	3376.1	3314.1	3256.1	3209.1	3204.1
37.5°	3445.1	3462.1	3498.1	3577.1	3648.1	3672.1	3641.1	3572.1	3491.1	3450.1	3446.1
40°	3675.1	3702.1	3769.1	3852.1	3936.1	3957.1	3935.1	3843.1	3757.1	3701.1	3665.1
42.5°	3926.1	3943.1	4021.1	4148.1	4232.1	4279.1	4227.1	4142.1	4019.1	3939.1	3931.1
45°	4211.1	4264.1	4330.1	4482.1	4621.1	4673.1	4618.1	4473.1	4318.1	4254.1	4217.1
47.5°	4477.1	4517.1	4630.1	4803.1	4970.1	5019.1	4965.1	4798.1	4613.1	4506.1	4470.1
50°	4697.1	4753.1	4868.1	5095.1	5241.1	5304.1	5231.1	5083.1	4857.1	4740.1	4697.1
52.5°	4907.1	4970.1	5113.1	5338.1	5574.1	5660.1	5569.1	5321.1	5099.1	4951.1	4891.1
55°	5020.1	5078.1	5233.1	5529.1	5772.1	5829.1	5764.1	5513.1	5219.1	5059.1	5003.1
57.5°	5038.1	5086.1	5278.1	5591.1	5774.1	5830.1	5770.1	5577.1	5261.1	5069.1	5022.1
59°	5000.1	5046.1	5252.1	5564.1	5747.1	5868.1	5743.1	5552.1	5234.1	5031.1	4982.1
60°	4977.1	5021.1	5214.1	5525.1	5721.1	5846.1	5717.1	5515.1	5193.1	5008.1	4958.1
62.5°	4862.1	4903.1	5155.1	5429.1	5645.1	5743.1	5639.1	5419.1	5139.1	4890.1	4835.1
65°	4640.1	4660.1	4901.1	5172.1	5456.1	5515.1	5447.1	5169.1	4881.1	4646.1	4617.1
67.5°	4395.1	4421.1	4628.1	4926.1	5195.1	5274.1	5181.1	4925.1	4613.1	4402.1	4369.1
70°	3998.1	4025.1	4302.1	4557.1	4775.1	4897.1	4752.1	4549.1	4286.1	4017.1	3970.1
72.5°	3614.1	3627.1	3824.1	4124.1	4387.1	4363.1	4360.1	4120.1	3809.1	3632.1	3611.1
75°	3113.1	3120.1	3350.1	3599.1	3840.1	3866.1	3803.1	3594.1	3333.1	3117.1	3114.1
77.5°	2573.1	2594.1	2751.1	2983.1	3167.1	3255.1	3147.1	2995.1	2735.1	2596.1	2578.1
80°	1980.0	2006.0	2166.0	2351.0	2510.1	2517.1	2495.1	2367.0	2152.0	2009.0	1988.0
82.5°	1368.0	1395.0	1536.0	1674.0	1828.0	1836.0	1811.0	1689.0	1523.0	1400.0	1380.0
85°	756.0	780.0	876.0	982.0	1107.0	1107.0	1072.0	1001.0	866.0	788.0	769.0
87.5°	128.0	130.0	189.0	248.0	360.0	372.0	339.0	271.0	199.0	156.0	143.0
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)