

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: P543096

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

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-10)
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-5CQ-PM
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21857.9 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

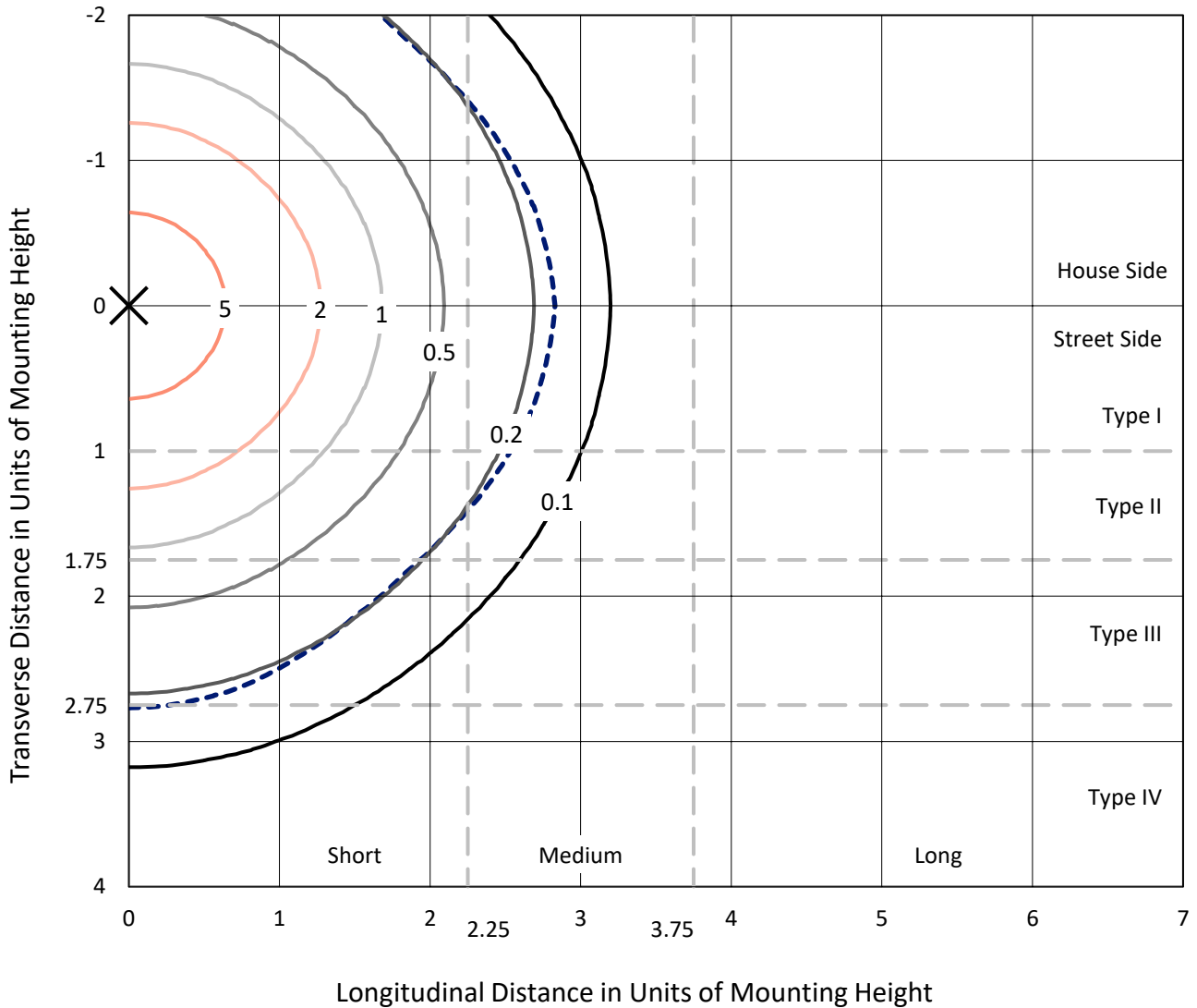
Input Watts (W): 193.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

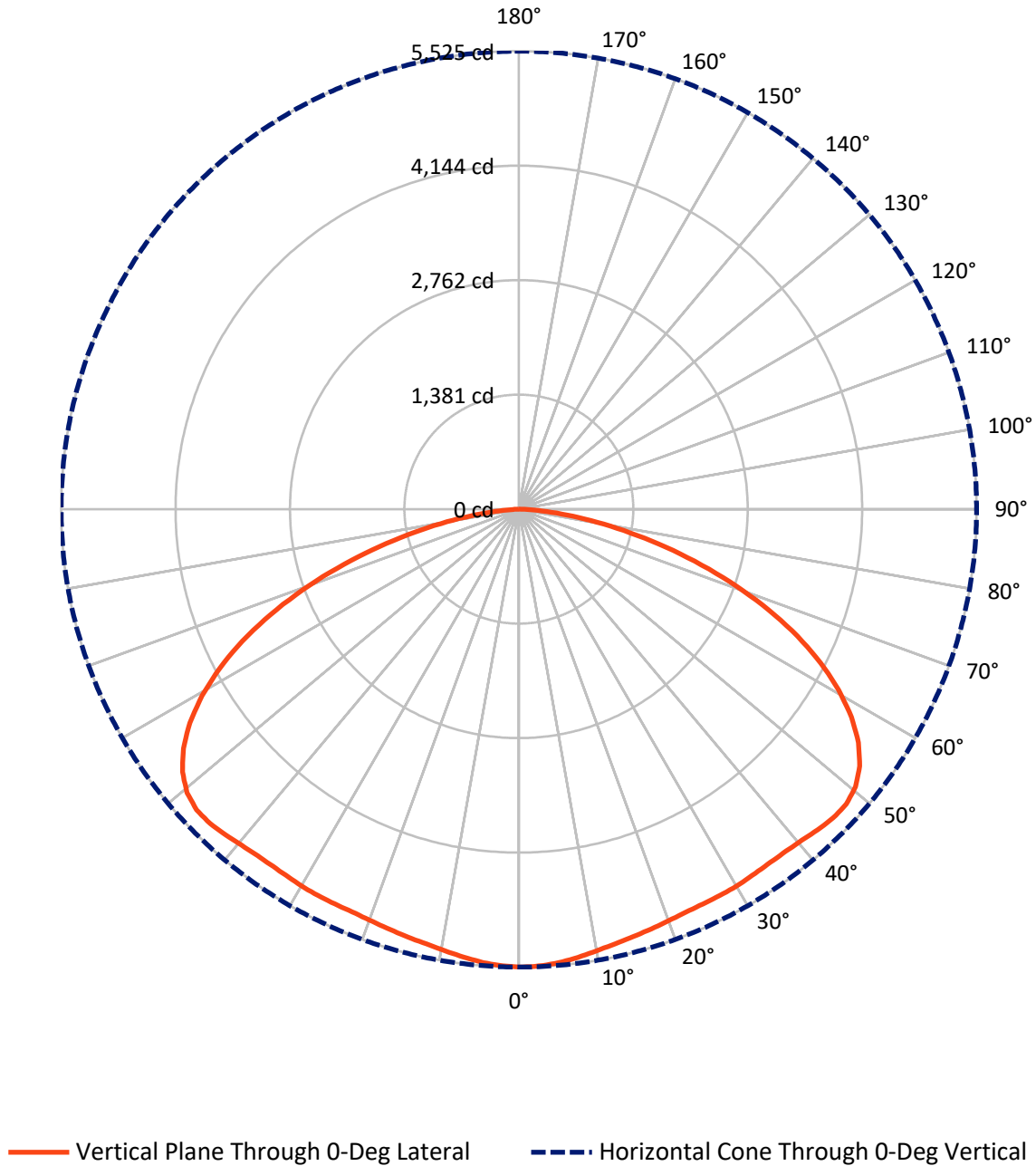
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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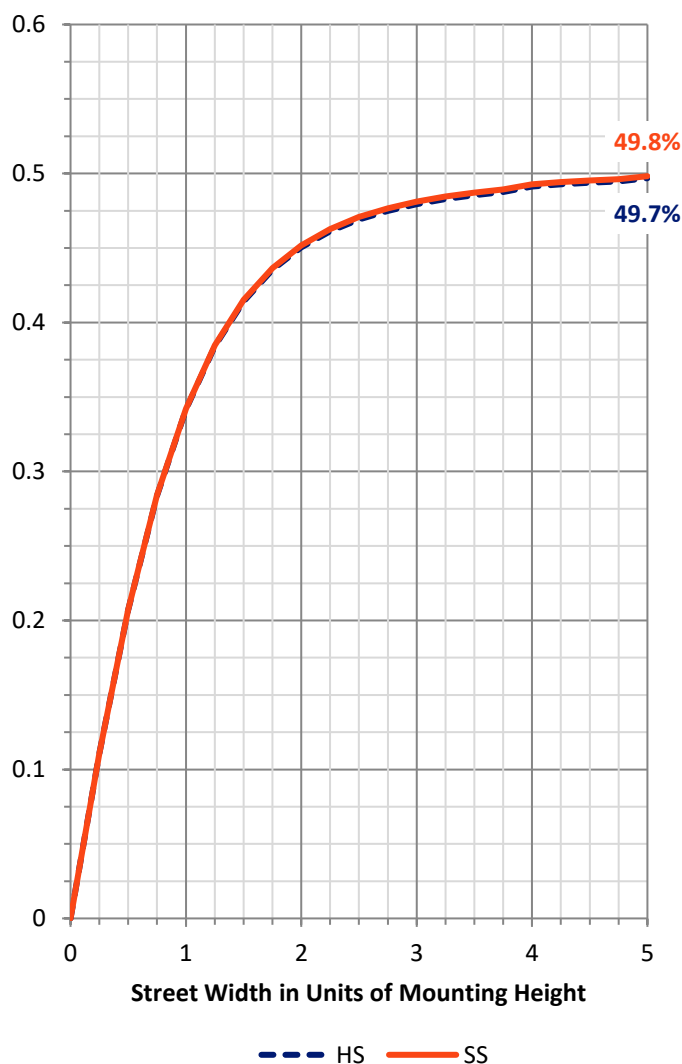
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10929.0	0.0	10929.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10929.0	0.0	10929.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21857.9	0.0	21857.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	520.5	2.4
10°-20°	1507.6	6.9
20°-30°	2422.8	11.1
30°-40°	3262.0	14.9
40°-50°	4036.1	18.5
50°-60°	4329.7	19.8
60°-70°	3528.4	16.1
70°-80°	1882.2	8.6
80°-90°	368.6	1.7
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°	21857.9	100.0
0°-180°	21857.9	100.0

Coefficient of Utilization

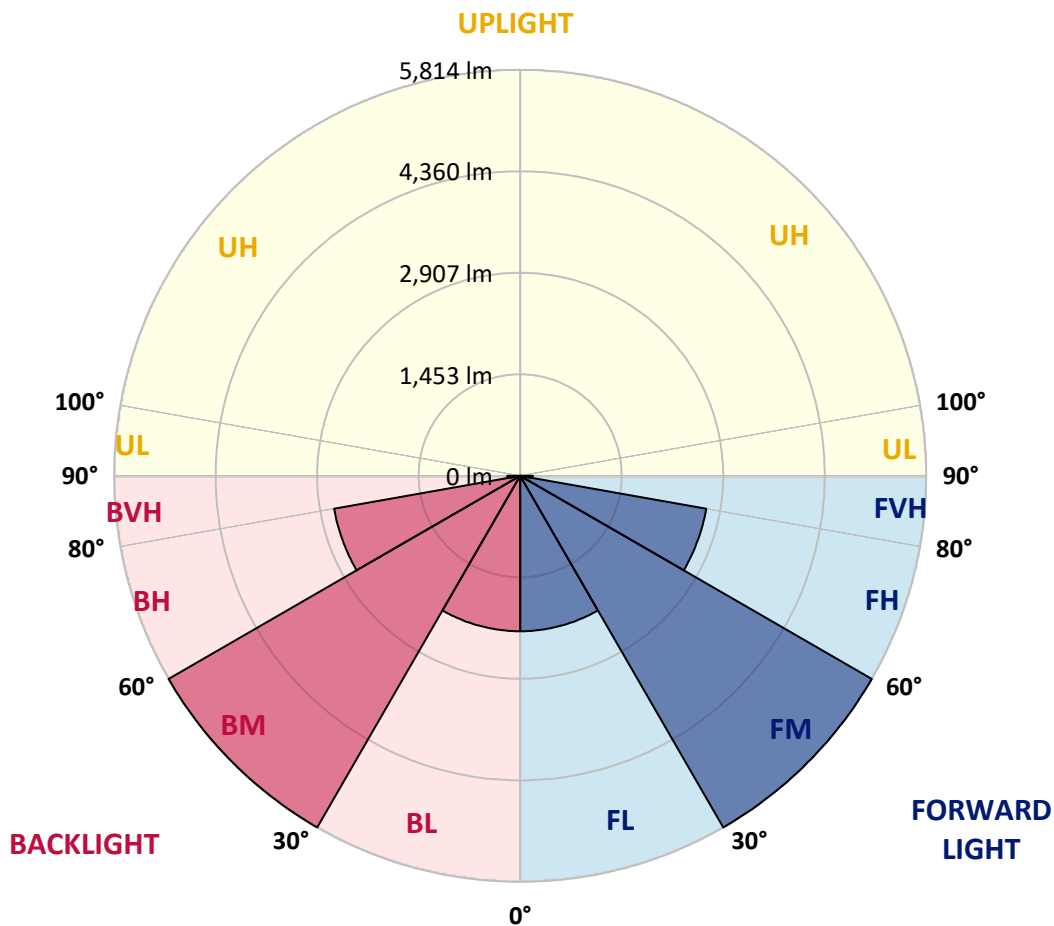


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2225.5	10.2			
FM (30°-60°)	5813.9	26.6			
FH (60°-80°)	2705.3	12.4			G2/5000
FVH (80°-90°)	184.3	0.8			G2/225
BL (0°-30°)	2225.5	10.2	B3/2500		
BM (30°-60°)	5813.9	26.6	B4/8500		
BH (60°-80°)	2705.3	12.4	B4/5000		G2/5000
BVH (80°-90°)	184.3	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5524.9	5524.9	5524.9	5524.9	5524.9	5524.9	5524.9	5524.9	5524.9	5524.9	5524.9
2.5°	5514.9	5514.9	5513.9	5511.9	5508.9	5506.9	5507.9	5510.9	5513.9	5514.9	5515.9
5°	5486.9	5488.9	5485.9	5481.9	5478.9	5477.9	5476.9	5480.9	5483.9	5484.9	5485.9
7.5°	5445.9	5448.9	5446.9	5442.9	5438.9	5436.9	5436.9	5438.9	5441.9	5444.9	5444.9
10°	5401.9	5401.9	5400.9	5396.9	5392.9	5389.9	5390.9	5392.9	5396.9	5399.9	5400.9
12.5°	5362.9	5363.9	5360.9	5354.9	5348.9	5345.9	5345.9	5350.9	5356.9	5359.9	5361.9
15°	5332.9	5333.9	5330.9	5321.9	5314.9	5312.9	5314.9	5318.9	5324.9	5328.9	5329.9
17.5°	5304.9	5305.9	5301.9	5291.9	5285.9	5282.9	5282.9	5288.9	5296.9	5299.9	5300.9
20°	5278.9	5277.9	5272.9	5261.9	5253.9	5249.9	5251.9	5259.9	5269.9	5274.9	5274.9
22.5°	5259.9	5258.9	5251.9	5239.9	5230.9	5223.9	5227.9	5237.9	5249.9	5258.9	5258.9
25°	5255.9	5253.9	5242.9	5228.9	5213.9	5207.9	5213.9	5227.9	5242.9	5253.9	5255.9
27.5°	5254.9	5251.9	5239.9	5220.9	5205.9	5200.9	5205.9	5222.9	5241.9	5254.9	5255.9
30°	5249.9	5247.9	5231.9	5210.9	5192.9	5186.9	5193.9	5212.9	5233.9	5245.9	5248.9
32.5°	5237.9	5234.9	5218.9	5194.9	5174.9	5166.9	5173.9	5195.9	5216.9	5233.9	5235.9
35°	5231.9	5229.9	5209.9	5179.9	5156.9	5144.9	5154.9	5177.9	5202.9	5222.9	5225.9
37.5°	5236.9	5233.9	5211.9	5176.9	5145.9	5132.9	5141.9	5168.9	5199.9	5222.9	5226.9
40°	5255.9	5251.9	5224.9	5182.9	5142.9	5127.9	5138.9	5172.9	5212.9	5238.9	5245.9
42.5°	5288.9	5284.9	5248.9	5195.9	5145.9	5127.9	5145.9	5190.9	5242.9	5276.9	5281.9
45°	5316.9	5312.9	5271.9	5206.9	5149.9	5128.9	5153.9	5214.9	5283.9	5328.9	5334.9
47.5°	5318.9	5312.9	5263.9	5190.9	5126.9	5107.9	5144.9	5220.9	5307.9	5365.9	5372.9
50°	5266.9	5260.9	5202.9	5121.9	5053.9	5035.9	5091.9	5185.9	5287.9	5353.9	5362.9
52.5°	5150.9	5144.9	5083.9	4992.9	4920.9	4906.9	4975.9	5082.9	5193.9	5267.9	5277.9
55°	4972.9	4963.9	4903.9	4804.9	4723.9	4716.9	4788.9	4902.9	5022.9	5094.9	5111.9
57.5°	4734.9	4724.9	4660.9	4554.9	4474.9	4465.9	4538.9	4655.9	4782.9	4851.9	4869.9
60°	4435.9	4434.9	4362.9	4255.9	4179.9	4166.9	4231.9	4351.9	4474.9	4547.9	4564.9
62.5°	4090.0	4090.0	4018.0	3922.0	3836.0	3823.0	3884.0	4002.0	4116.0	4187.9	4209.9
65°	3696.0	3688.0	3633.0	3533.0	3447.0	3437.0	3497.0	3591.0	3708.0	3776.0	3797.0
67.5°	3257.0	3248.0	3209.0	3114.0	3040.0	3019.0	3070.0	3166.0	3268.0	3334.0	3348.0
70°	2789.0	2785.0	2745.0	2660.0	2591.0	2575.0	2622.0	2704.0	2790.0	2844.0	2867.0
72.5°	2308.0	2310.0	2268.0	2198.0	2150.0	2134.0	2165.0	2222.0	2318.0	2353.0	2372.0
75°	1833.0	1831.0	1805.0	1745.0	1700.0	1680.0	1712.0	1768.0	1813.0	1858.0	1880.0
77.5°	1377.0	1374.0	1360.0	1310.0	1280.0	1265.0	1282.0	1321.0	1359.0	1398.0	1404.0
80°	956.0	957.0	941.0	910.0	878.0	876.0	890.0	910.0	941.0	967.0	971.0
82.5°	584.0	586.0	573.0	561.0	534.0	534.0	544.0	562.0	578.0	599.0	593.0
85°	278.0	278.0	275.0	265.0	256.0	253.0	258.0	265.0	272.0	282.0	283.0
87.5°	68.0	69.0	70.0	66.0	61.0	59.0	62.0	65.0	69.0	75.0	72.0
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)