

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: P543097

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

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-9)
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-5MQ-PM
Description: TOPTIER LED SITE LUMINAIRE
4000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22830.9 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

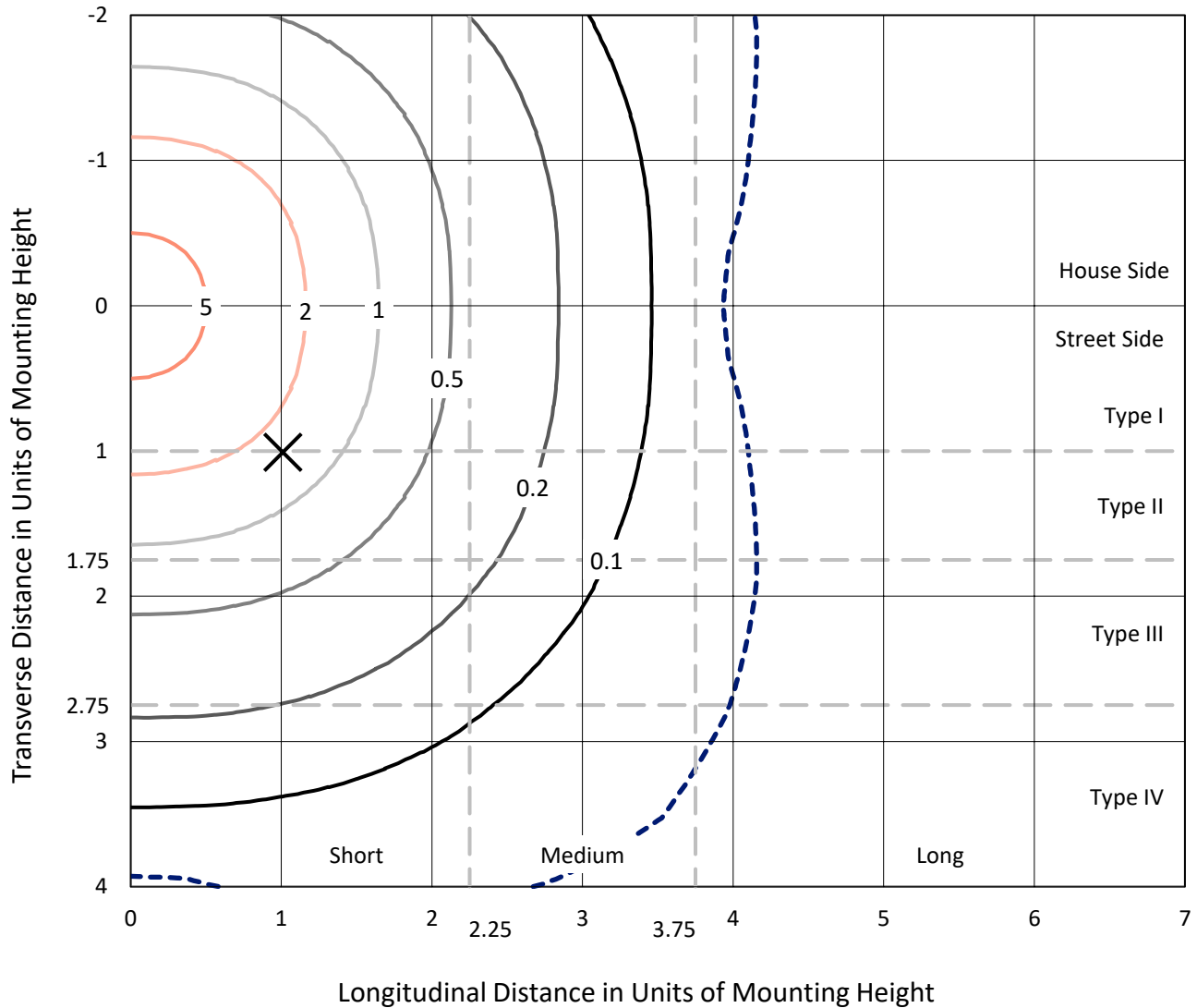
Input Watts (W): 193.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

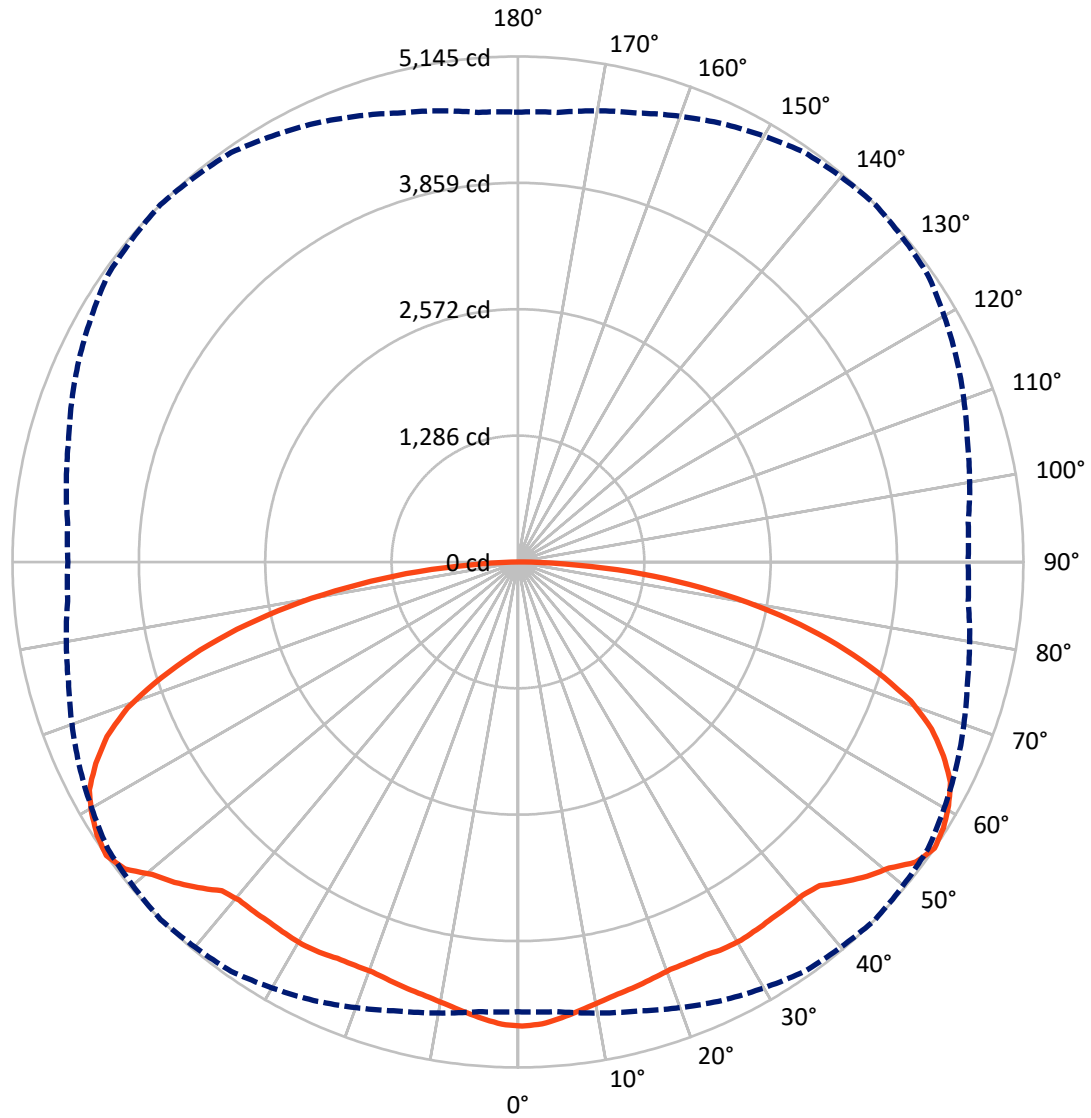
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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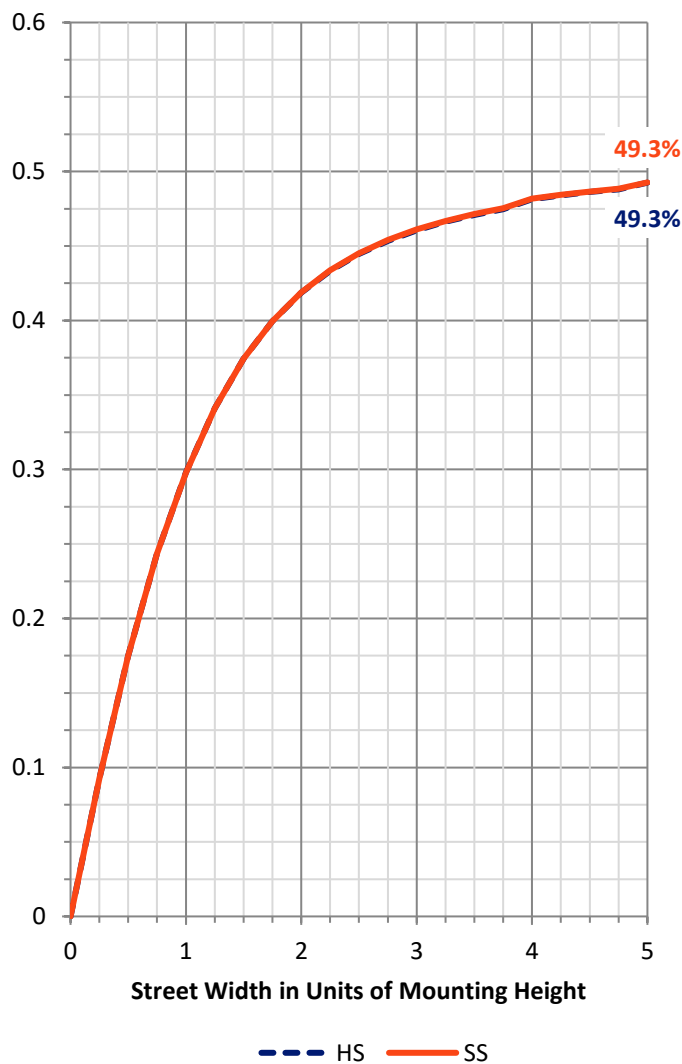
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11415.5	0.0	11415.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11415.5	0.0	11415.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22830.9	0.0	22830.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.1	1.9
10°-20°	1266.7	5.5
20°-30°	2041.2	8.9
30°-40°	2766.0	12.1
40°-50°	3506.4	15.4
50°-60°	4313.8	18.9
60°-70°	4345.0	19.0
70°-80°	3180.0	13.9
80°-90°	970.7	4.3
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°	22830.9	100.0
0°-180°	22830.9	100.0

Coefficient of Utilization



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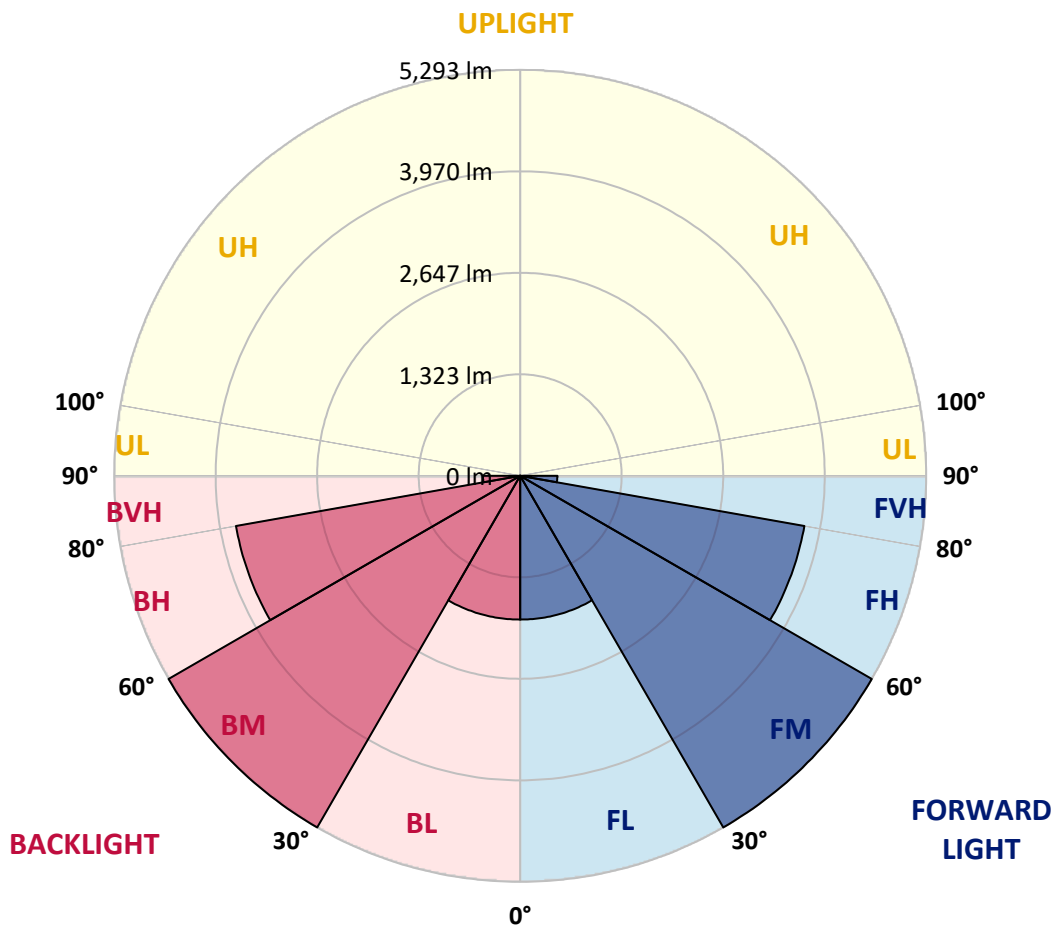
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1874.5	8.2			
FM (30°-60°)	5293.1	23.2			
FH (60°-80°)	3762.5	16.5			G2/5000
FVH (80°-90°)	485.4	2.1			G3/500
BL (0°-30°)	1874.5	8.2	B3/2500		
BM (30°-60°)	5293.1	23.2	B4/8500		
BH (60°-80°)	3762.5	16.5	B4/5000		G2/5000
BVH (80°-90°)	485.4	2.1			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4723.9	4723.9	4723.9	4723.9	4723.9	4723.9	4723.9	4723.9	4723.9	4723.9	4723.9
2.5°	4702.9	4705.9	4704.9	4706.9	4706.9	4708.9	4706.9	4708.9	4705.9	4706.9	4706.9
5°	4651.9	4655.9	4652.9	4657.9	4658.9	4659.9	4656.9	4656.9	4653.9	4653.9	4654.9
7.5°	4596.9	4598.9	4598.9	4603.9	4606.9	4606.9	4603.9	4599.9	4597.9	4594.9	4594.9
10°	4543.9	4546.9	4545.9	4550.9	4554.9	4555.9	4551.9	4544.9	4541.9	4539.9	4539.9
12.5°	4497.9	4500.9	4502.9	4508.9	4514.9	4514.9	4512.9	4504.9	4499.9	4496.9	4495.9
15°	4463.9	4466.9	4467.9	4476.9	4482.9	4485.9	4481.9	4473.9	4467.9	4463.9	4461.9
17.5°	4429.9	4431.9	4436.9	4444.9	4450.9	4454.9	4450.9	4442.9	4434.9	4427.9	4425.9
20°	4396.9	4397.9	4404.9	4415.9	4423.9	4427.9	4423.9	4411.9	4399.9	4393.9	4392.9
22.5°	4381.9	4383.9	4392.9	4408.9	4419.9	4427.9	4417.9	4402.9	4388.9	4378.9	4377.9
25°	4371.9	4372.9	4384.9	4406.9	4426.9	4432.9	4425.9	4404.9	4382.9	4369.9	4368.9
27.5°	4380.9	4384.9	4400.9	4422.9	4448.9	4458.9	4451.9	4421.9	4397.9	4382.9	4379.9
30°	4378.9	4381.9	4399.9	4424.9	4448.9	4468.9	4454.9	4422.9	4394.9	4379.9	4377.9
32.5°	4372.9	4376.9	4392.9	4413.9	4447.9	4461.9	4448.9	4411.9	4387.9	4376.9	4372.9
35°	4347.9	4354.9	4377.9	4408.9	4439.9	4453.9	4438.9	4407.9	4374.9	4356.9	4354.9
37.5°	4337.9	4342.9	4365.9	4401.9	4442.9	4457.9	4437.9	4400.9	4363.9	4343.9	4338.9
40°	4321.9	4329.9	4357.9	4399.9	4446.9	4460.9	4444.9	4401.9	4359.9	4326.9	4317.9
42.5°	4321.9	4328.9	4367.9	4425.9	4477.9	4502.9	4477.9	4428.9	4369.9	4323.9	4316.9
45°	4390.9	4399.9	4448.9	4534.9	4615.9	4645.9	4614.9	4539.9	4450.9	4397.9	4383.9
47.5°	4449.9	4462.9	4536.9	4645.9	4746.9	4780.9	4743.9	4647.9	4537.9	4462.9	4449.9
50°	4493.9	4508.9	4604.9	4742.9	4850.9	4896.9	4854.9	4745.9	4606.9	4510.9	4495.9
52.5°	4572.9	4595.9	4709.9	4865.9	5016.9	5074.9	5016.9	4870.9	4709.9	4598.9	4572.9
55°	4578.9	4593.9	4730.9	4923.9	5087.9	5144.9	5094.9	4924.9	4735.9	4600.9	4581.9
57.5°	4509.9	4526.9	4671.9	4893.9	5056.9	5106.9	5057.9	4896.9	4684.9	4536.9	4519.9
60°	4385.9	4402.9	4553.9	4784.9	4959.9	5035.9	4963.9	4789.9	4568.9	4414.9	4395.9
62.5°	4250.9	4282.9	4456.9	4686.9	4860.9	4940.9	4868.9	4690.9	4466.9	4294.9	4265.9
65°	4037.9	4051.9	4238.9	4487.9	4701.9	4759.9	4702.9	4494.9	4270.9	4063.9	4052.9
67.5°	3821.9	3847.9	4002.9	4280.9	4487.9	4542.9	4486.9	4279.9	4022.9	3855.9	3836.9
70°	3462.9	3492.9	3710.9	3949.9	4145.9	4241.9	4151.9	3952.9	3744.9	3504.9	3488.9
72.5°	3131.0	3162.0	3311.9	3580.9	3779.9	3820.9	3792.9	3585.9	3342.9	3183.9	3162.0
75°	2697.0	2708.0	2901.0	3129.0	3312.9	3356.9	3321.9	3126.0	2937.0	2733.0	2701.0
77.5°	2246.0	2268.0	2404.0	2599.0	2758.0	2837.0	2756.0	2610.0	2418.0	2269.0	2247.0
80°	1730.0	1754.0	1895.0	2072.0	2195.0	2258.0	2198.0	2067.0	1908.0	1756.0	1745.0
82.5°	1220.0	1221.0	1361.0	1477.0	1600.0	1636.0	1602.0	1501.0	1371.0	1232.0	1234.0
85°	691.0	698.0	794.0	900.0	971.0	1019.0	981.0	906.0	804.0	707.0	698.0
87.5°	157.0	156.0	206.0	267.0	346.0	345.0	338.0	276.0	212.0	154.0	152.0
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)