

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: P543200

Luminaire Tested: **TT-D9-735-U-5MQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543200
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-D9-735-U-5MQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20839 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

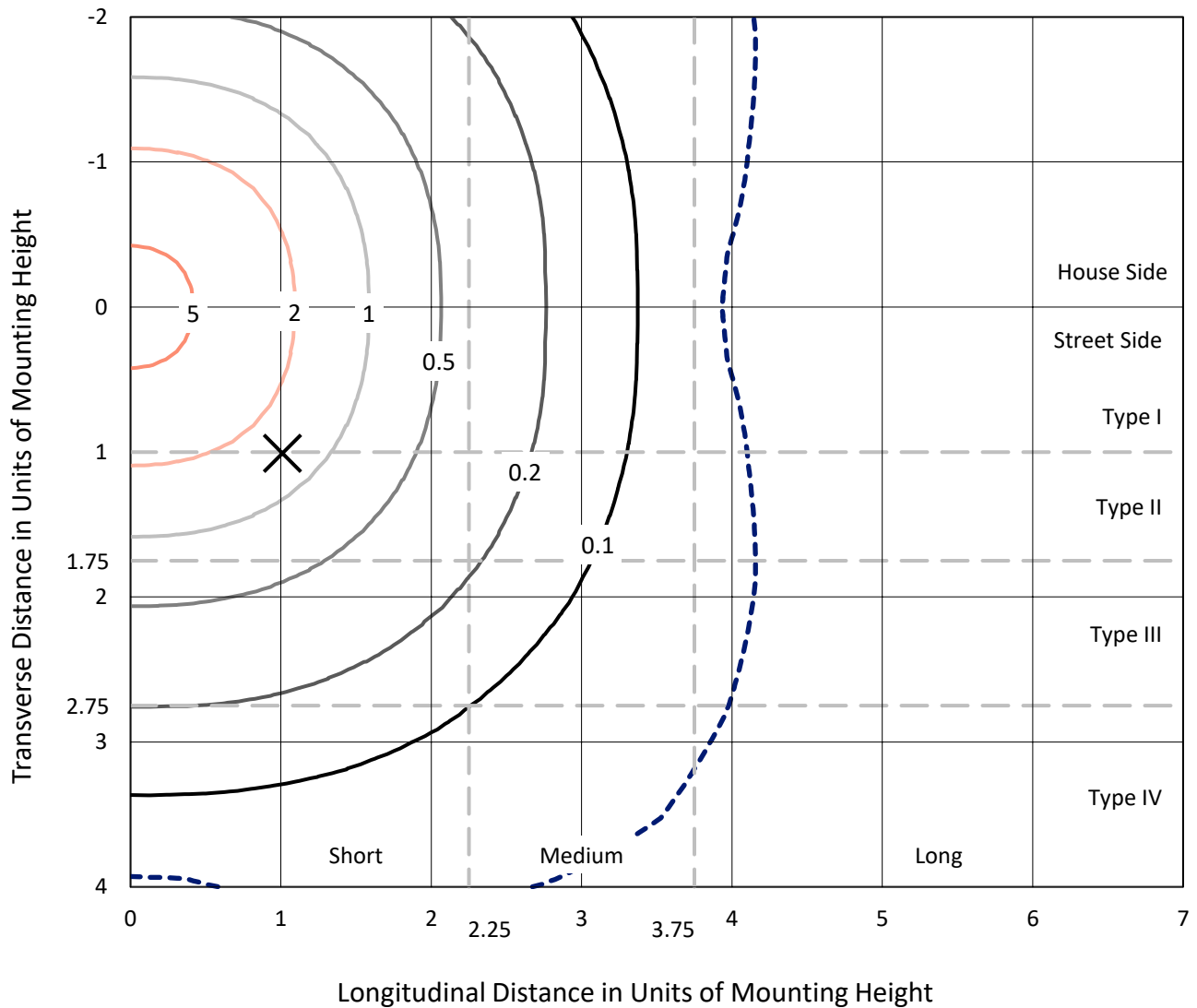
Input Watts (W): 173.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

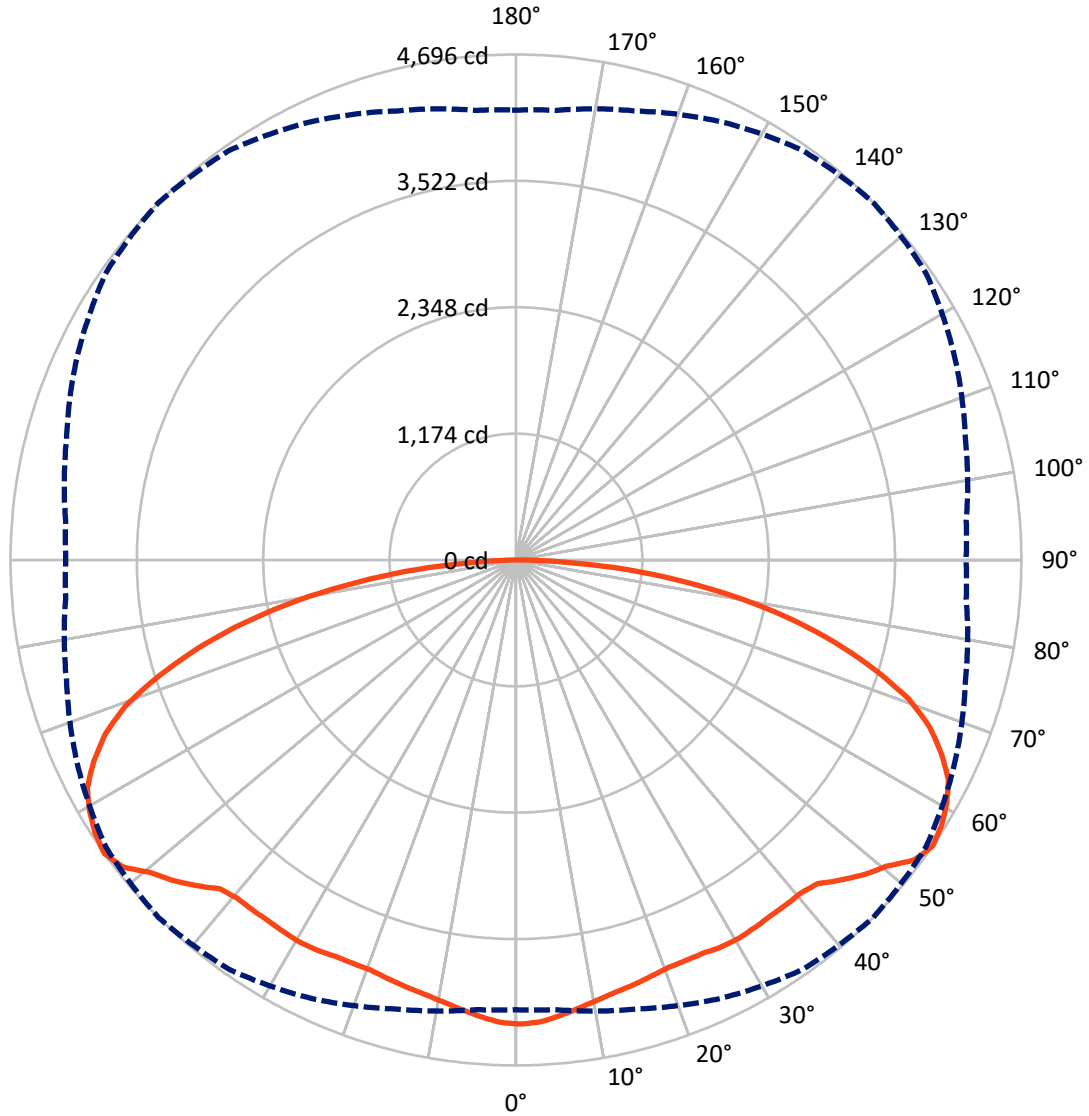
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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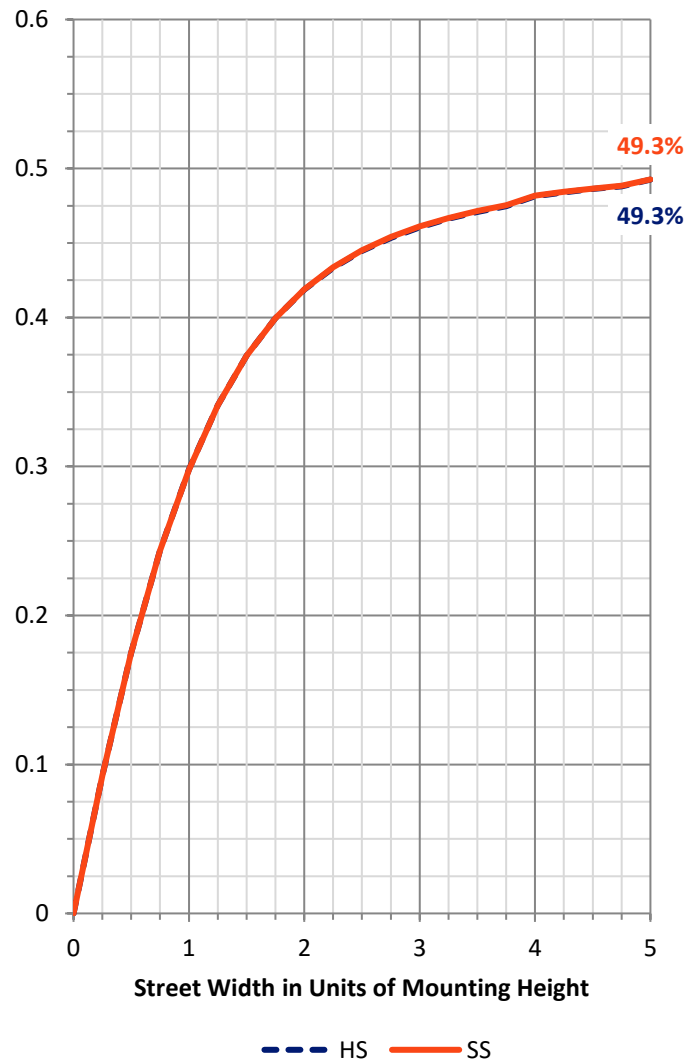
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10419.5	0.0	10419.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10419.5	0.0	10419.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20839.0	0.0	20839.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.6	1.9
10°-20°	1156.2	5.5
20°-30°	1863.1	8.9
30°-40°	2524.7	12.1
40°-50°	3200.5	15.4
50°-60°	3937.4	18.9
60°-70°	3965.9	19.0
70°-80°	2902.5	13.9
80°-90°	886.0	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°	20839.0	100.0
0°-180°	20839.0	100.0



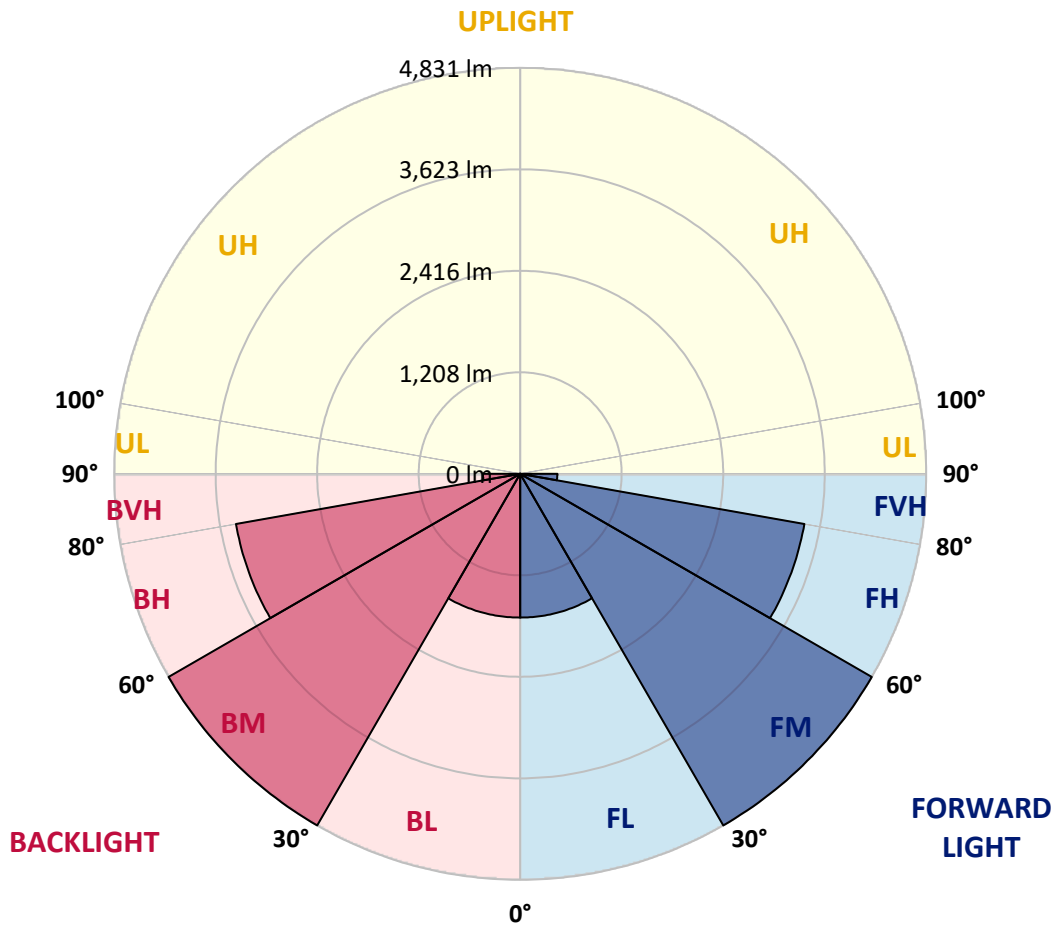
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1710.9	8.2			
FM (30°-60°)	4831.3	23.2			
FH (60°-80°)	3434.2	16.5			G2/5000
FVH (80°-90°)	443.0	2.1			G3/500
BL (0°-30°)	1710.9	8.2	B3/2500		
BM (30°-60°)	4831.3	23.2	B3/5000		
BH (60°-80°)	3434.2	16.5	B4/5000		G2/5000
BVH (80°-90°)	443.0	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°	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8	4311.8
2.5°	4292.6	4295.3	4294.4	4296.2	4296.2	4298.1	4296.2	4298.1	4295.3	4296.2	4296.2
5°	4246.0	4249.7	4247.0	4251.5	4252.4	4253.3	4250.6	4250.6	4247.9	4247.9	4248.8
7.5°	4195.8	4197.7	4197.7	4202.2	4205.0	4205.0	4202.2	4198.6	4196.8	4194.0	4194.0
10°	4147.5	4150.2	4149.3	4153.9	4157.5	4158.4	4154.8	4148.4	4145.6	4143.8	4143.8
12.5°	4105.5	4108.2	4110.0	4115.5	4121.0	4121.0	4119.2	4111.9	4107.3	4104.6	4103.7
15°	4074.5	4077.2	4078.1	4086.3	4091.8	4094.5	4090.9	4083.6	4078.1	4074.5	4072.6
17.5°	4043.4	4045.2	4049.8	4057.1	4062.6	4066.2	4062.6	4055.3	4048.0	4041.6	4039.8
20°	4013.3	4014.2	4020.6	4030.6	4037.9	4041.6	4037.9	4027.0	4016.0	4010.6	4009.6
22.5°	3999.6	4001.4	4009.6	4024.3	4034.3	4041.6	4032.5	4018.8	4006.0	3996.9	3996.0
25°	3990.5	3991.4	4002.3	4022.4	4040.7	4046.2	4039.8	4020.6	4000.5	3988.7	3987.7
27.5°	3998.7	4002.3	4017.0	4037.0	4060.8	4069.9	4063.5	4036.1	4014.2	4000.5	3997.8
30°	3996.9	3999.6	4016.0	4038.9	4060.8	4079.0	4066.2	4037.0	4011.5	3997.8	3996.0
32.5°	3991.4	3995.0	4009.6	4028.8	4059.8	4072.6	4060.8	4027.0	4005.1	3995.0	3991.4
35°	3968.6	3975.0	3996.0	4024.3	4052.5	4065.3	4051.6	4023.3	3993.2	3976.8	3975.0
37.5°	3959.4	3964.0	3985.0	4017.9	4055.3	4069.0	4050.7	4017.0	3983.2	3964.9	3960.4
40°	3944.8	3952.1	3977.7	4016.0	4058.9	4071.7	4057.1	4017.9	3979.5	3949.4	3941.2
42.5°	3944.8	3951.2	3986.8	4039.8	4087.2	4110.0	4087.2	4042.5	3988.7	3946.7	3940.3
45°	4007.8	4016.0	4060.8	4139.3	4213.2	4240.6	4212.3	4143.8	4062.6	4014.2	4001.4
47.5°	4061.7	4073.5	4141.1	4240.6	4332.8	4363.8	4330.0	4242.4	4142.0	4073.5	4061.7
50°	4101.8	4115.5	4203.1	4329.1	4427.7	4469.7	4431.3	4331.8	4205.0	4117.4	4103.7
52.5°	4173.9	4194.9	4299.0	4441.4	4579.2	4632.1	4579.2	4445.9	4299.0	4197.7	4173.9
55°	4179.4	4193.1	4318.2	4494.3	4644.0	4696.0	4650.4	4495.2	4322.7	4199.5	4182.2
57.5°	4116.4	4132.0	4264.3	4466.9	4615.7	4661.3	4616.6	4469.7	4276.2	4141.1	4125.6
60°	4003.3	4018.8	4156.6	4367.4	4527.2	4596.5	4530.8	4372.0	4170.3	4029.7	4012.4
62.5°	3880.0	3909.2	4068.1	4278.0	4436.8	4509.8	4444.1	4281.6	4077.2	3920.2	3893.7
65°	3685.6	3698.4	3869.1	4096.4	4291.7	4344.6	4292.6	4102.7	3898.3	3709.4	3699.3
67.5°	3488.5	3512.2	3653.7	3907.4	4096.4	4146.6	4095.4	3906.5	3671.9	3519.5	3502.2
70°	3160.8	3188.2	3387.2	3605.3	3784.2	3871.8	3789.7	3608.0	3418.2	3199.1	3184.5
72.5°	2857.8	2886.1	3023.0	3268.5	3450.1	3487.6	3462.0	3273.1	3051.3	2906.2	2886.1
75°	2461.6	2471.7	2647.8	2856.0	3023.9	3064.1	3032.1	2853.2	2680.7	2494.5	2465.3
77.5°	2050.0	2070.1	2194.2	2372.2	2517.3	2589.4	2515.5	2382.2	2207.0	2071.0	2050.9
80°	1579.0	1600.9	1729.6	1891.2	2003.5	2061.0	2006.2	1886.6	1741.5	1602.8	1592.7
82.5°	1113.5	1114.5	1242.2	1348.1	1460.4	1493.2	1462.2	1370.0	1251.4	1124.5	1126.3
85°	630.7	637.1	724.7	821.5	886.3	930.1	895.4	826.9	733.8	645.3	637.1
87.5°	143.3	142.4	188.0	243.7	315.8	314.9	308.5	251.9	193.5	140.6	138.7
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)