

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: P543106

Luminaire Tested: **TT-D10-830-U-5MQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543106
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-D10-830-U-5MQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND MEDIUM DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18802 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

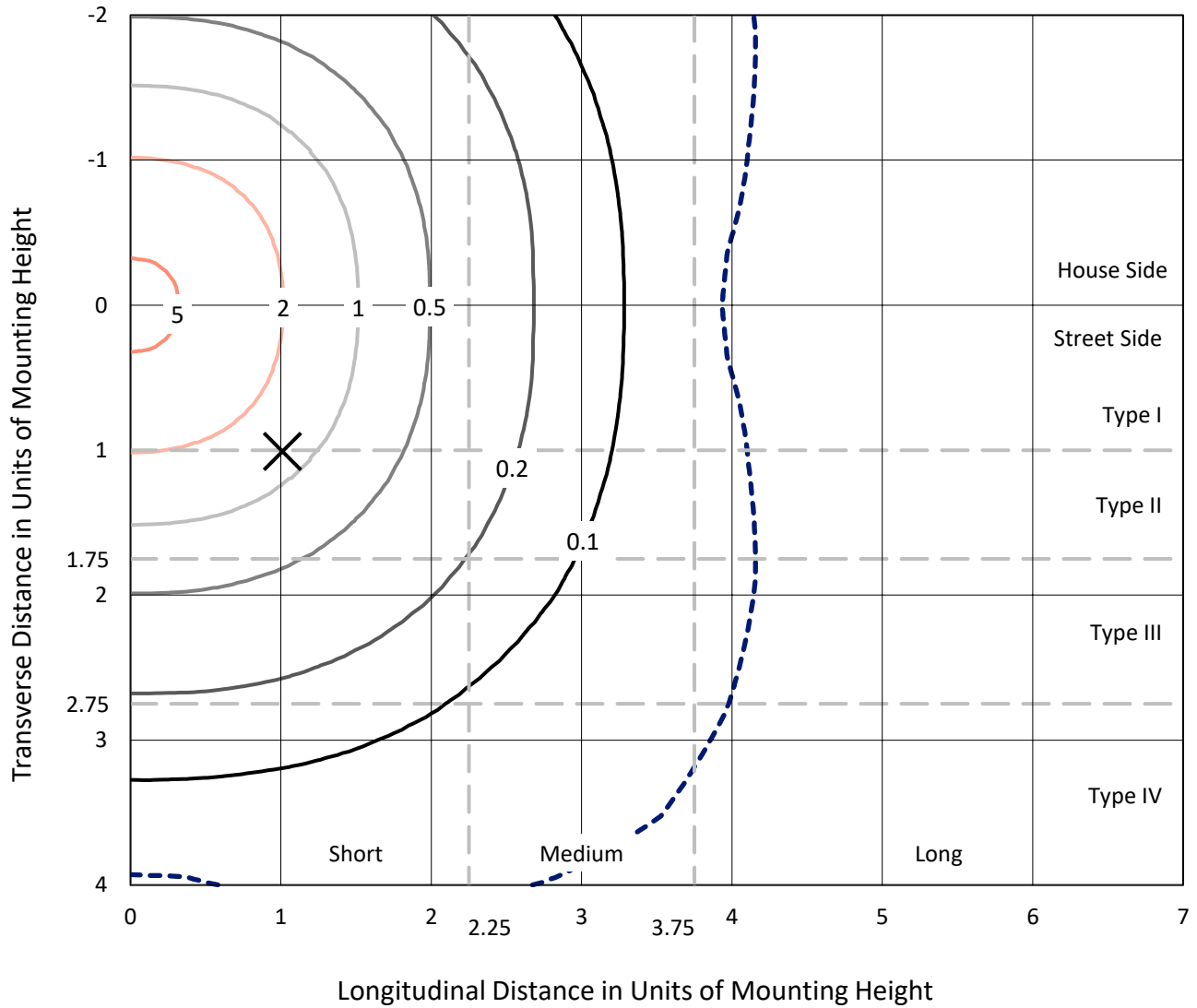
Input Watts (W): 193.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

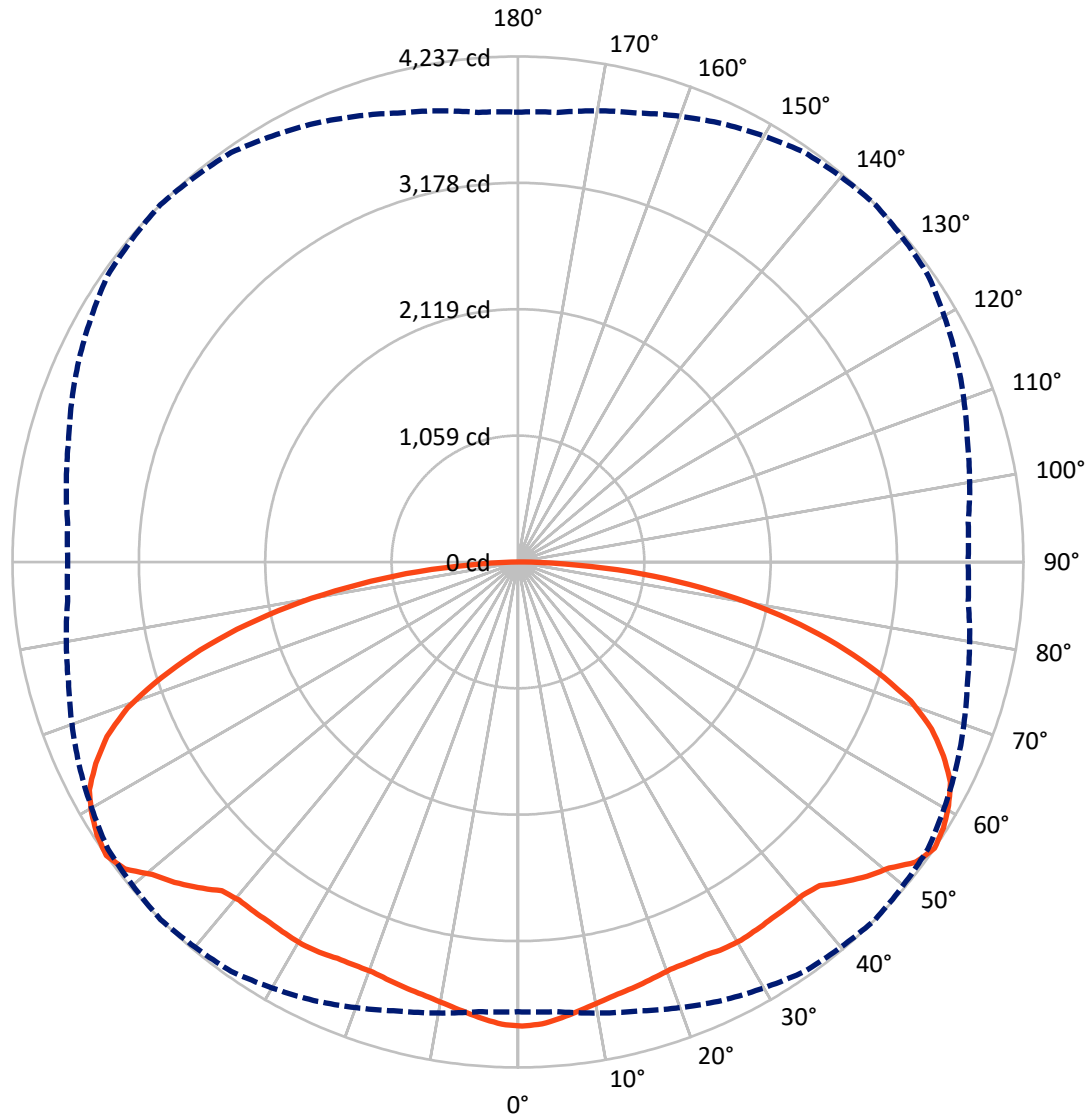
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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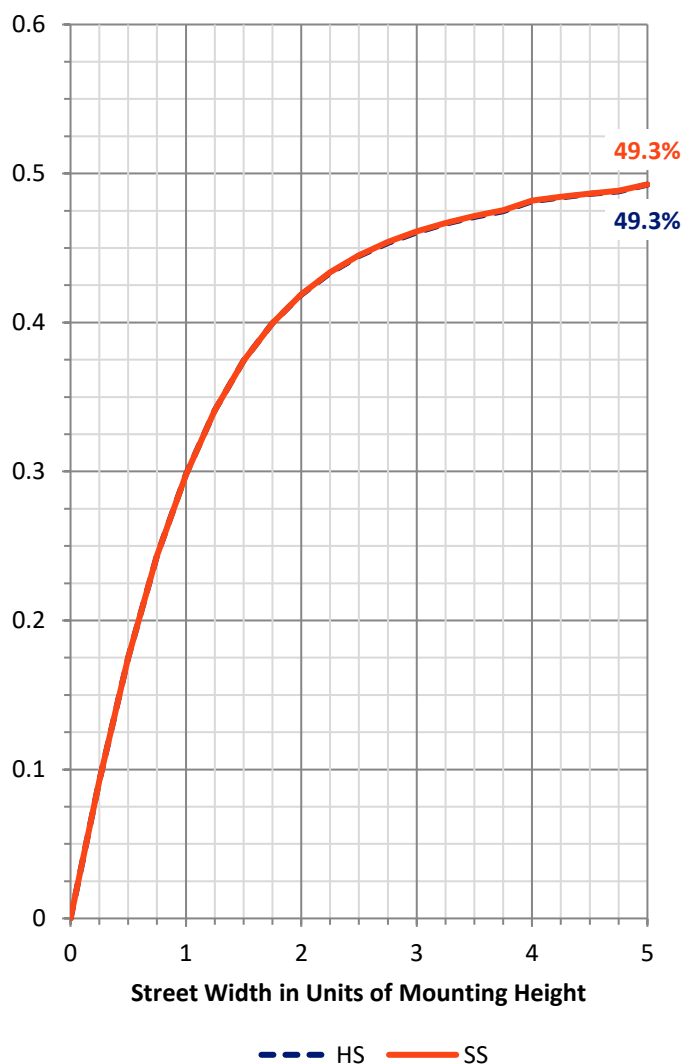
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9401.0	0.0	9401.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9401.0	0.0	9401.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18802.0	0.0	18802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.2	1.9
10°-20°	1043.2	5.5
20°-30°	1681.0	8.9
30°-40°	2277.9	12.1
40°-50°	2887.7	15.4
50°-60°	3552.5	18.9
60°-70°	3578.2	19.0
70°-80°	2618.8	13.9
80°-90°	799.4	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°	18802.0	100.0
0°-180°	18802.0	100.0

Coefficient of Utilization



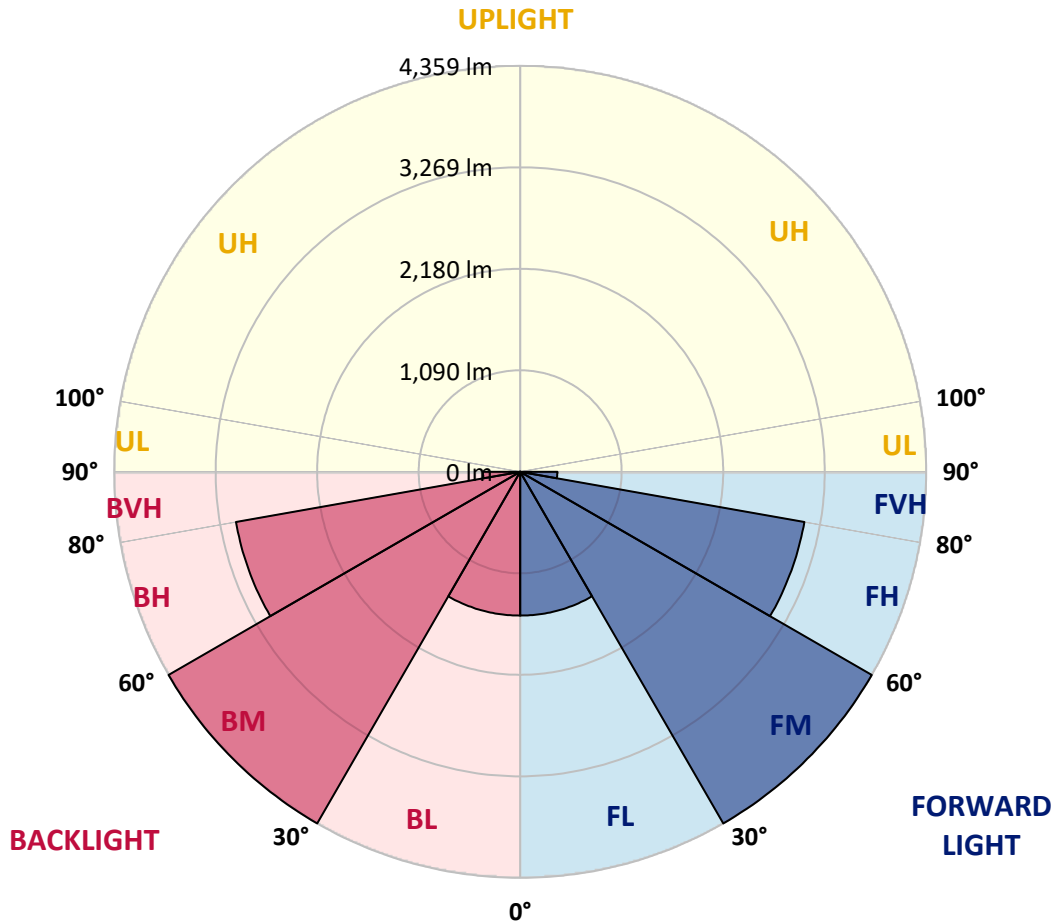
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1543.7	8.2			
FM (30°-60°)	4359.1	23.2			
FH (60°-80°)	3098.5	16.5			G2/5000
FVH (80°-90°)	399.7	2.1			G3/500
BL (0°-30°)	1543.7	8.2	B3/2500		
BM (30°-60°)	4359.1	23.2	B3/5000		
BH (60°-80°)	3098.5	16.5	B4/5000		G2/5000
BVH (80°-90°)	399.7	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°	3890.3	3890.3	3890.3	3890.3	3890.3	3890.3	3890.3	3890.3	3890.3	3890.3	3890.3
2.5°	3873.0	3875.5	3874.6	3876.3	3876.3	3877.9	3876.3	3877.9	3875.5	3876.3	3876.3
5°	3831.0	3834.3	3831.8	3835.9	3836.8	3837.6	3835.1	3835.1	3832.6	3832.6	3833.5
7.5°	3785.7	3787.4	3787.4	3791.5	3793.9	3793.9	3791.5	3788.2	3786.5	3784.1	3784.1
10°	3742.1	3744.5	3743.7	3747.8	3751.1	3751.9	3748.6	3742.9	3740.4	3738.8	3738.8
12.5°	3704.2	3706.6	3708.3	3713.2	3718.2	3718.2	3716.5	3709.9	3705.8	3703.4	3702.5
15°	3676.2	3678.6	3679.5	3686.9	3691.8	3694.3	3691.0	3684.4	3679.5	3676.2	3674.5
17.5°	3648.2	3649.8	3653.9	3660.5	3665.5	3668.8	3665.5	3658.9	3652.3	3646.5	3644.9
20°	3621.0	3621.8	3627.6	3636.6	3643.2	3646.5	3643.2	3633.4	3623.5	3618.5	3617.7
22.5°	3608.6	3610.3	3617.7	3630.9	3639.9	3646.5	3638.3	3625.9	3614.4	3606.2	3605.4
25°	3600.4	3601.2	3611.1	3629.2	3645.7	3650.6	3644.9	3627.6	3609.5	3598.8	3597.9
27.5°	3607.8	3611.1	3624.3	3642.4	3663.8	3672.1	3666.3	3641.6	3621.8	3609.5	3607.0
30°	3606.2	3608.6	3623.5	3644.1	3663.8	3680.3	3668.8	3642.4	3619.4	3607.0	3605.4
32.5°	3601.2	3604.5	3617.7	3635.0	3663.0	3674.5	3663.8	3633.4	3613.6	3604.5	3601.2
35°	3580.6	3586.4	3605.4	3630.9	3656.4	3667.9	3655.6	3630.1	3602.9	3588.1	3586.4
37.5°	3572.4	3576.5	3595.5	3625.1	3658.9	3671.2	3654.8	3624.3	3593.8	3577.4	3573.2
40°	3559.2	3565.8	3588.9	3623.5	3662.2	3673.7	3660.5	3625.1	3590.5	3563.4	3555.9
42.5°	3559.2	3565.0	3597.1	3644.9	3687.7	3708.3	3687.7	3647.4	3598.8	3560.9	3555.1
45°	3616.1	3623.5	3663.8	3734.6	3801.4	3826.1	3800.5	3738.8	3665.5	3621.8	3610.3
47.5°	3664.6	3675.4	3736.3	3826.1	3909.2	3937.2	3906.8	3827.7	3737.1	3675.4	3664.6
50°	3700.9	3713.2	3792.3	3905.9	3994.9	4032.8	3998.2	3908.4	3793.9	3714.9	3702.5
52.5°	3765.9	3784.9	3878.8	4007.2	4131.6	4179.3	4131.6	4011.3	3878.8	3787.4	3765.9
55°	3770.9	3783.2	3896.1	4055.0	4190.1	4237.0	4195.8	4055.8	3900.2	3789.0	3773.4
57.5°	3714.1	3728.1	3847.5	4030.3	4164.5	4205.7	4165.3	4032.8	3858.2	3736.3	3722.3
60°	3611.9	3625.9	3750.3	3940.5	4084.6	4147.2	4087.9	3944.6	3762.6	3635.8	3620.2
62.5°	3500.8	3527.1	3670.4	3859.8	4003.1	4069.0	4009.7	3863.1	3678.6	3537.0	3513.1
65°	3325.4	3336.9	3490.9	3695.9	3872.2	3919.9	3873.0	3701.7	3517.2	3346.8	3337.7
67.5°	3147.5	3168.9	3296.5	3525.5	3695.9	3741.2	3695.1	3524.7	3313.0	3175.5	3159.8
70°	2851.8	2876.5	3056.1	3252.9	3414.3	3493.4	3419.2	3255.4	3084.1	2886.4	2873.2
72.5°	2578.4	2604.0	2727.5	2949.0	3112.9	3146.7	3123.6	2953.1	2753.0	2622.1	2604.0
75°	2221.0	2230.1	2389.0	2576.8	2728.3	2764.5	2735.7	2574.3	2418.7	2250.7	2224.3
77.5°	1849.6	1867.7	1979.7	2140.3	2271.3	2336.3	2269.6	2149.4	1991.3	1868.6	1850.4
80°	1424.7	1444.4	1560.6	1706.3	1807.6	1859.5	1810.1	1702.2	1571.3	1446.1	1437.0
82.5°	1004.7	1005.5	1120.8	1216.3	1317.6	1347.3	1319.3	1236.1	1129.0	1014.6	1016.2
85°	569.0	574.8	653.9	741.2	799.6	839.2	807.9	746.1	662.1	582.2	574.8
87.5°	129.3	128.5	169.6	219.9	284.9	284.1	278.3	227.3	174.6	126.8	125.2
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)