

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: P543220

Luminaire Tested: **TT-D9-830-U-5MQ-PM**

Issue Date: 6/22/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P543220  
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-D9-830-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: 17161 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

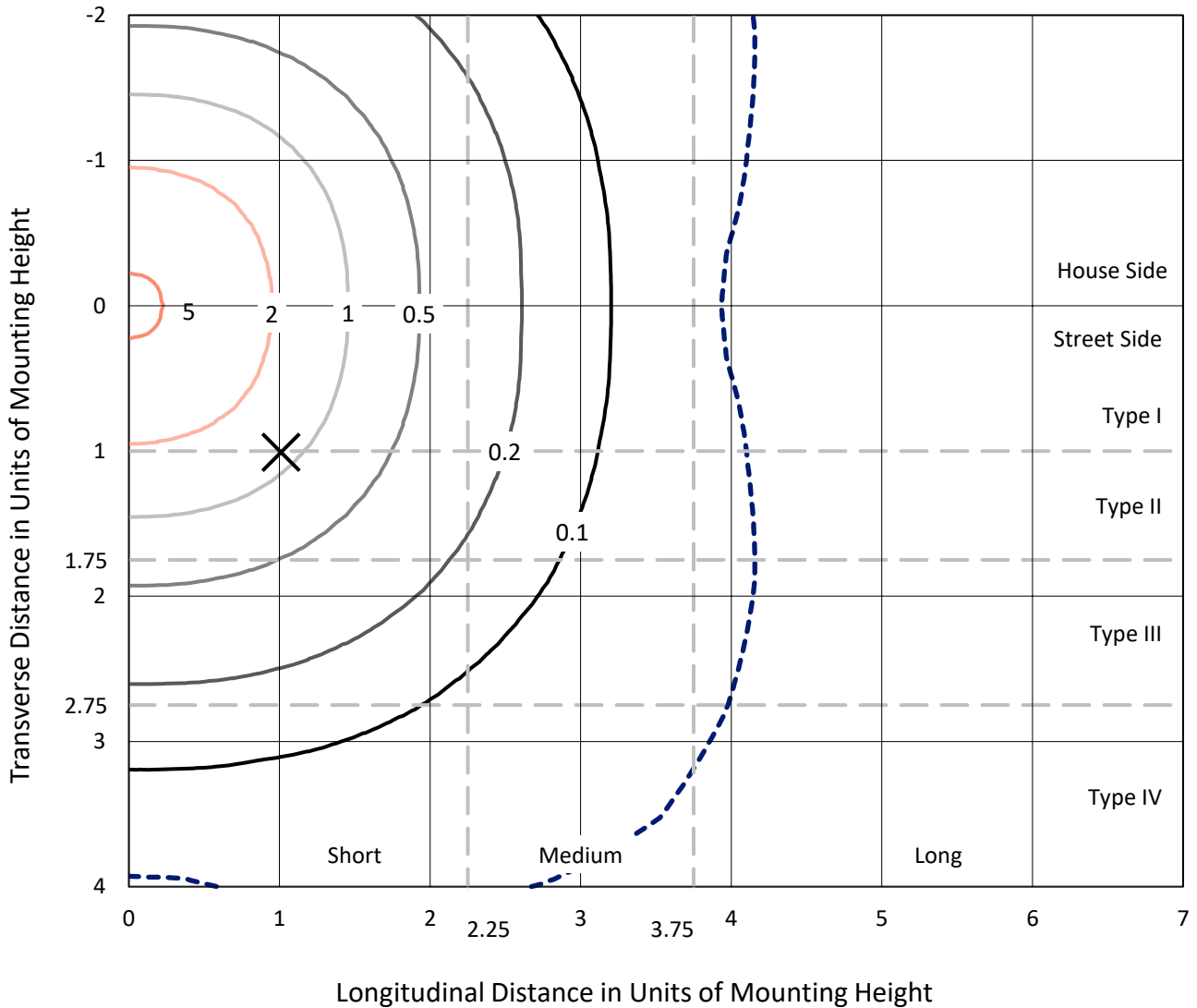
Input Watts (W): 173.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

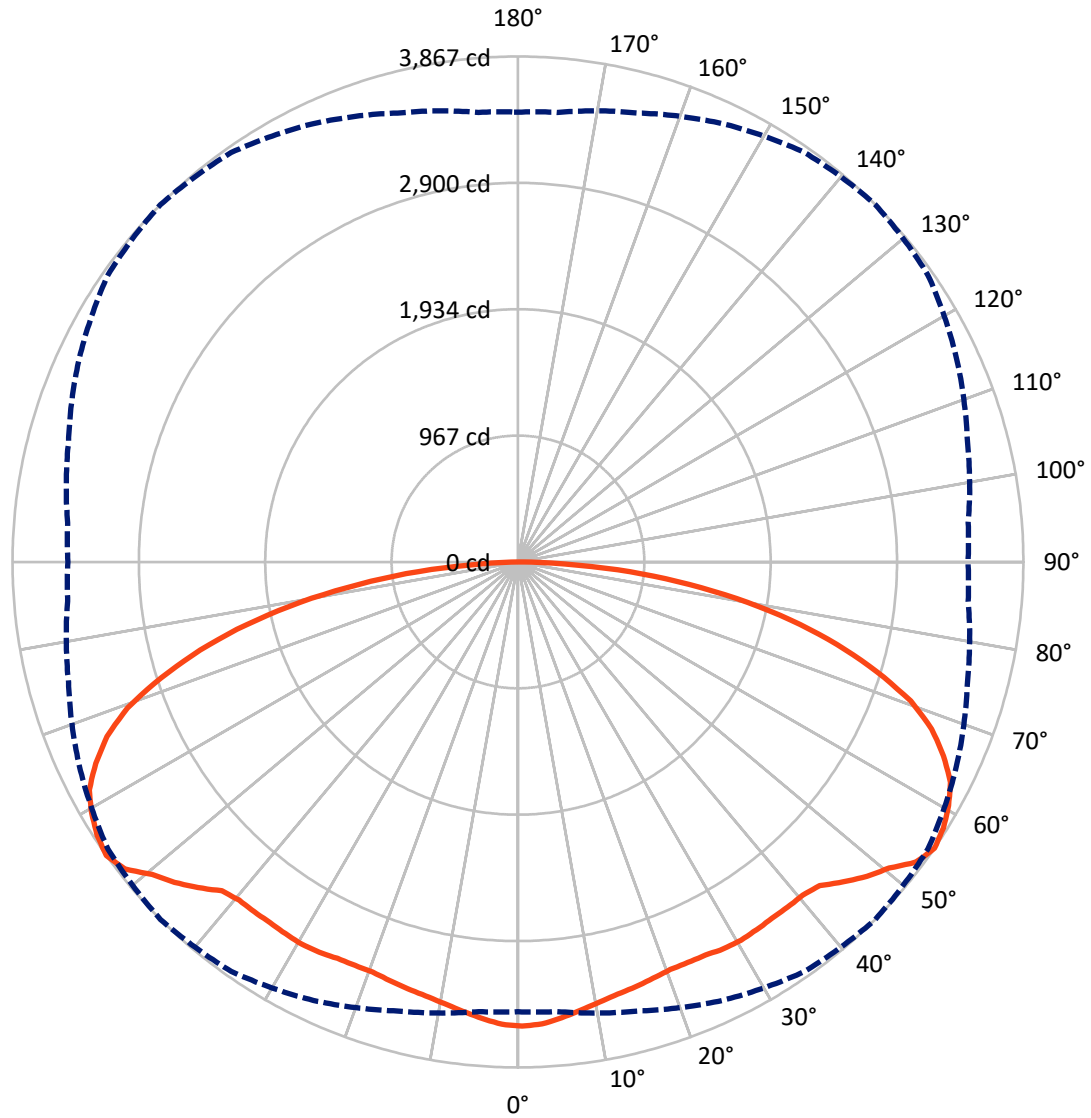
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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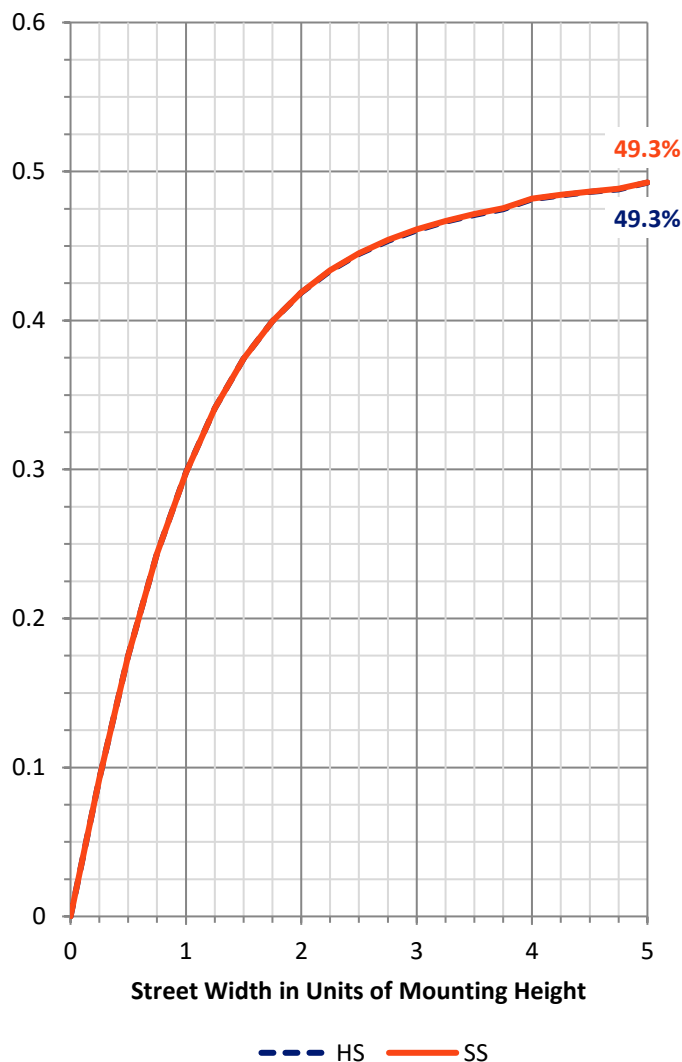
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8580.5	0.0	8580.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8580.5	0.0	8580.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17161.0	0.0	17161.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	331.5	1.9
10°-20°	952.1	5.5
20°-30°	1534.3	8.9
30°-40°	2079.1	12.1
40°-50°	2635.6	15.4
50°-60°	3242.5	18.9
60°-70°	3266.0	19.0
70°-80°	2390.2	13.9
80°-90°	729.7	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°	17161.0	100.0
0°-180°	17161.0	100.0

**Coefficient of Utilization**



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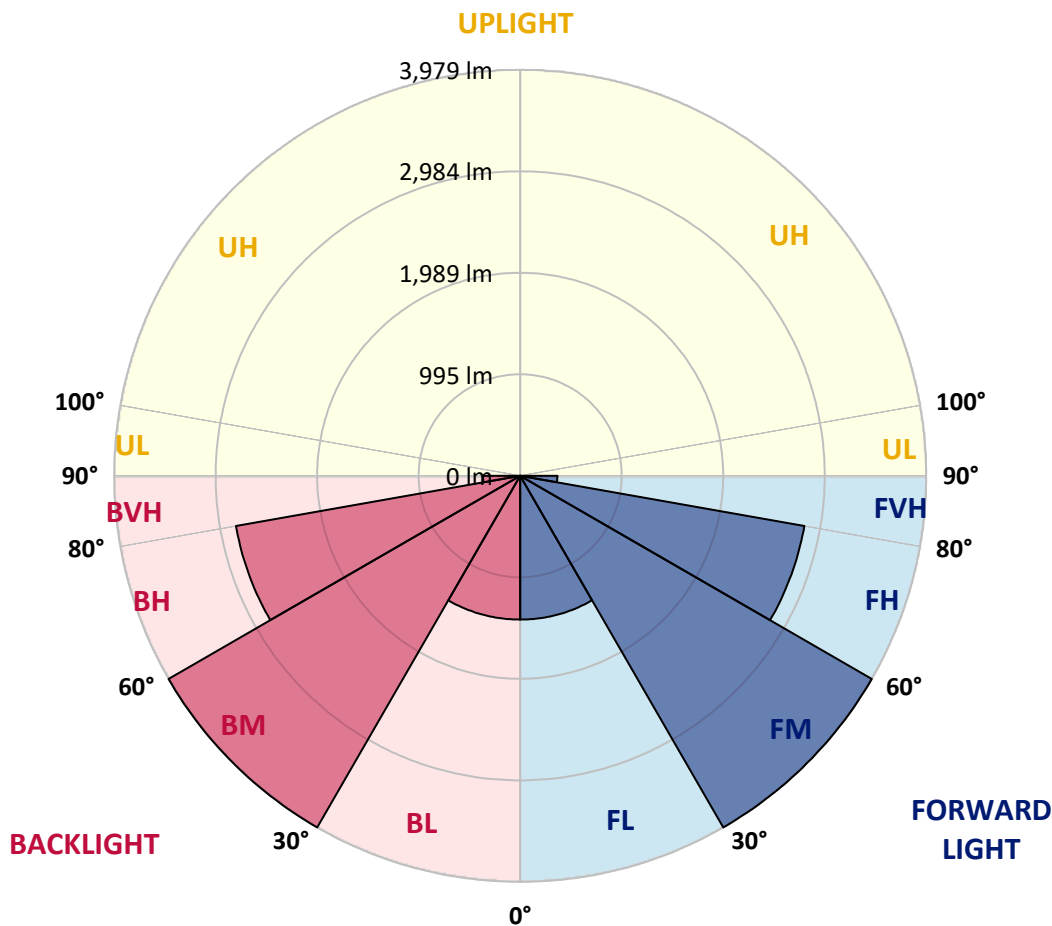
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1409.0	8.2			
FM (30°-60°)	3978.6	23.2			
FH (60°-80°)	2828.1	16.5			G2/5000
FVH (80°-90°)	364.8	2.1			G3/500
BL (0°-30°)	1409.0	8.2	B3/2500		
BM (30°-60°)	3978.6	23.2	B3/5000		
BH (60°-80°)	2828.1	16.5	B4/5000		G2/5000
BVH (80°-90°)	364.8	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°	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8	3550.8
2.5°	3535.0	3537.2	3536.5	3538.0	3538.0	3539.5	3538.0	3539.5	3537.2	3538.0	3538.0
5°	3496.6	3499.6	3497.4	3501.1	3501.9	3502.6	3500.4	3500.4	3498.1	3498.1	3498.9
7.5°	3455.3	3456.8	3456.8	3460.6	3462.8	3462.8	3460.6	3457.6	3456.0	3453.8	3453.8
10°	3415.5	3417.7	3417.0	3420.7	3423.7	3424.5	3421.5	3416.2	3414.0	3412.5	3412.5
12.5°	3380.9	3383.1	3384.6	3389.2	3393.7	3393.7	3392.2	3386.1	3382.4	3380.1	3379.4
15°	3355.3	3357.6	3358.3	3365.1	3369.6	3371.9	3368.9	3362.8	3358.3	3355.3	3353.8
17.5°	3329.8	3331.3	3335.0	3341.0	3345.6	3348.6	3345.6	3339.5	3333.5	3328.3	3326.8
20°	3305.0	3305.7	3311.0	3319.2	3325.3	3328.3	3325.3	3316.2	3307.2	3302.7	3302.0
22.5°	3293.7	3295.2	3302.0	3314.0	3322.3	3328.3	3320.8	3309.5	3299.0	3291.4	3290.7
25°	3286.2	3286.9	3295.9	3312.5	3327.5	3332.0	3326.8	3311.0	3294.4	3284.7	3283.9
27.5°	3292.9	3295.9	3308.0	3324.5	3344.1	3351.6	3346.3	3323.8	3305.7	3294.4	3292.2
30°	3291.4	3293.7	3307.2	3326.0	3344.1	3359.1	3348.6	3324.5	3303.5	3292.2	3290.7
32.5°	3286.9	3289.9	3302.0	3317.7	3343.3	3353.8	3344.1	3316.2	3298.2	3289.9	3286.9
35°	3268.1	3273.4	3290.7	3314.0	3337.3	3347.8	3336.5	3313.2	3288.4	3274.9	3273.4
37.5°	3260.6	3264.4	3281.7	3308.7	3339.5	3350.8	3335.8	3308.0	3280.2	3265.1	3261.4
40°	3248.6	3254.6	3275.7	3307.2	3342.6	3353.1	3341.0	3308.7	3277.2	3252.4	3245.6
42.5°	3248.6	3253.9	3283.2	3326.8	3365.9	3384.6	3365.9	3329.0	3284.7	3250.1	3244.8
45°	3300.5	3307.2	3344.1	3408.7	3469.6	3492.1	3468.8	3412.5	3345.6	3305.7	3295.2
47.5°	3344.8	3354.6	3410.2	3492.1	3568.0	3593.6	3565.8	3493.6	3410.9	3354.6	3344.8
50°	3377.9	3389.2	3461.3	3565.0	3646.2	3680.8	3649.2	3567.3	3462.8	3390.7	3379.4
52.5°	3437.3	3454.5	3540.2	3657.5	3771.0	3814.6	3771.0	3661.2	3540.2	3456.8	3437.3
55°	3441.8	3453.0	3556.0	3701.1	3824.4	3867.2	3829.6	3701.8	3559.8	3458.3	3444.0
57.5°	3389.9	3402.7	3511.7	3678.5	3801.1	3838.6	3801.8	3680.8	3521.4	3410.2	3397.4
60°	3296.7	3309.5	3423.0	3596.6	3728.1	3785.3	3731.1	3600.4	3434.3	3318.5	3304.2
62.5°	3195.2	3219.3	3350.1	3522.9	3653.7	3713.9	3659.7	3526.0	3357.6	3228.3	3206.5
65°	3035.1	3045.7	3186.2	3373.4	3534.2	3577.8	3535.0	3378.6	3210.3	3054.7	3046.4
67.5°	2872.8	2892.3	3008.8	3217.8	3373.4	3414.7	3372.6	3217.0	3023.9	2898.3	2884.0
70°	2602.9	2625.5	2789.3	2969.0	3116.3	3188.5	3120.8	2971.2	2814.9	2634.5	2622.5
72.5°	2353.4	2376.7	2489.4	2691.6	2841.2	2872.0	2851.0	2695.4	2512.7	2393.2	2376.7
75°	2027.2	2035.4	2180.5	2351.9	2490.2	2523.3	2497.0	2349.6	2207.6	2054.2	2030.2
77.5°	1688.2	1704.7	1806.9	1953.5	2073.0	2132.4	2071.5	1961.8	1817.5	1705.5	1688.9
80°	1300.3	1318.4	1424.4	1557.4	1649.9	1697.2	1652.1	1553.6	1434.1	1319.9	1311.6
82.5°	917.0	917.8	1023.0	1110.2	1202.6	1229.7	1204.1	1128.2	1030.5	926.0	927.5
85°	519.4	524.6	596.8	676.5	729.8	765.9	737.4	681.0	604.3	531.4	524.6
87.5°	118.0	117.3	154.8	200.7	260.1	259.3	254.1	207.5	159.3	115.8	114.2
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)