

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: P543170

Luminaire Tested: **TT-D8-740-U-5MQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543170
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-D8-740-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: 18279 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

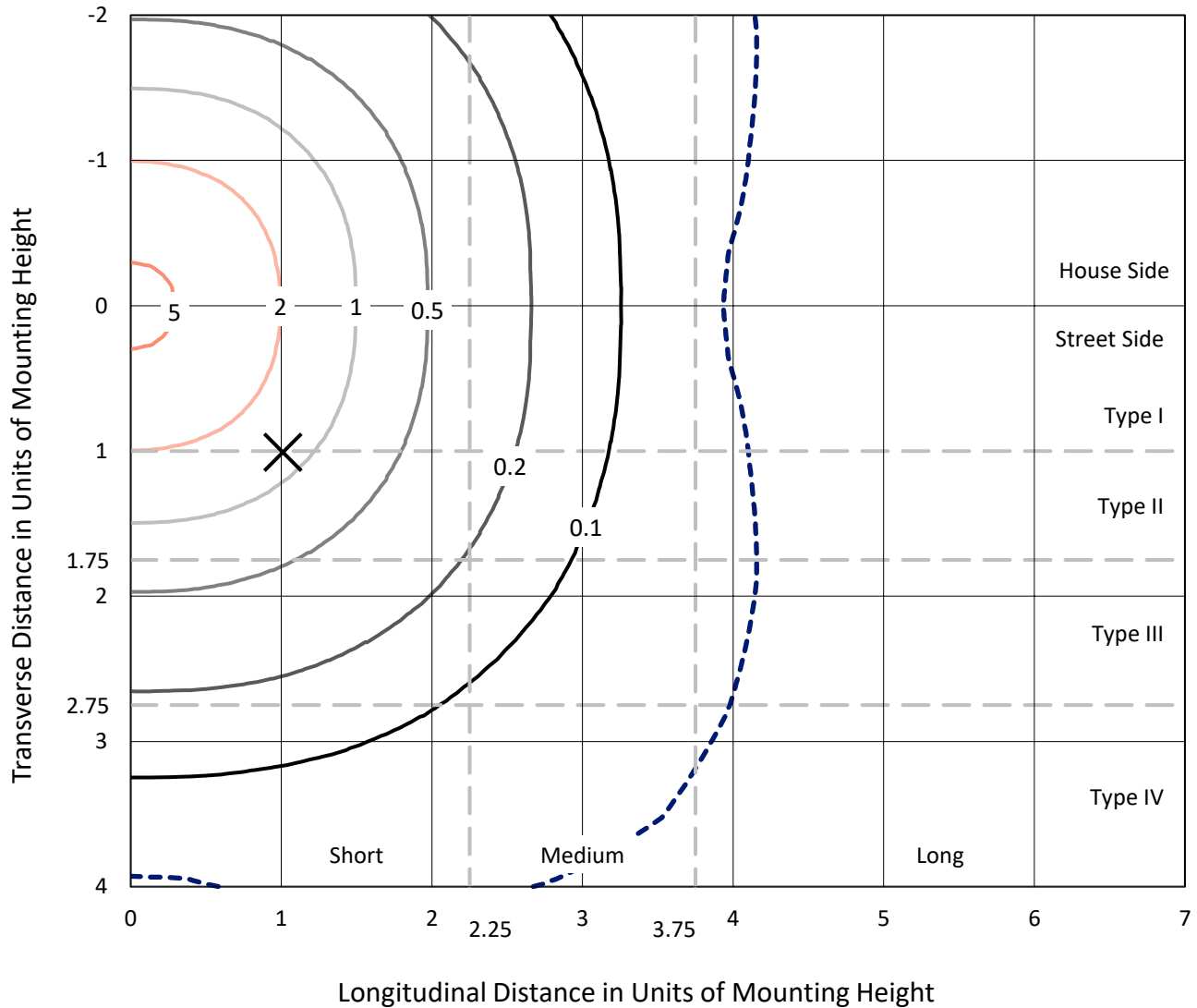
Input Watts (W): 148.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P543170
 CATALOG NUMBER: TT-D8-740-U-5MQ-PM

Iso-Footcandle Lines of Horizontal Illumination

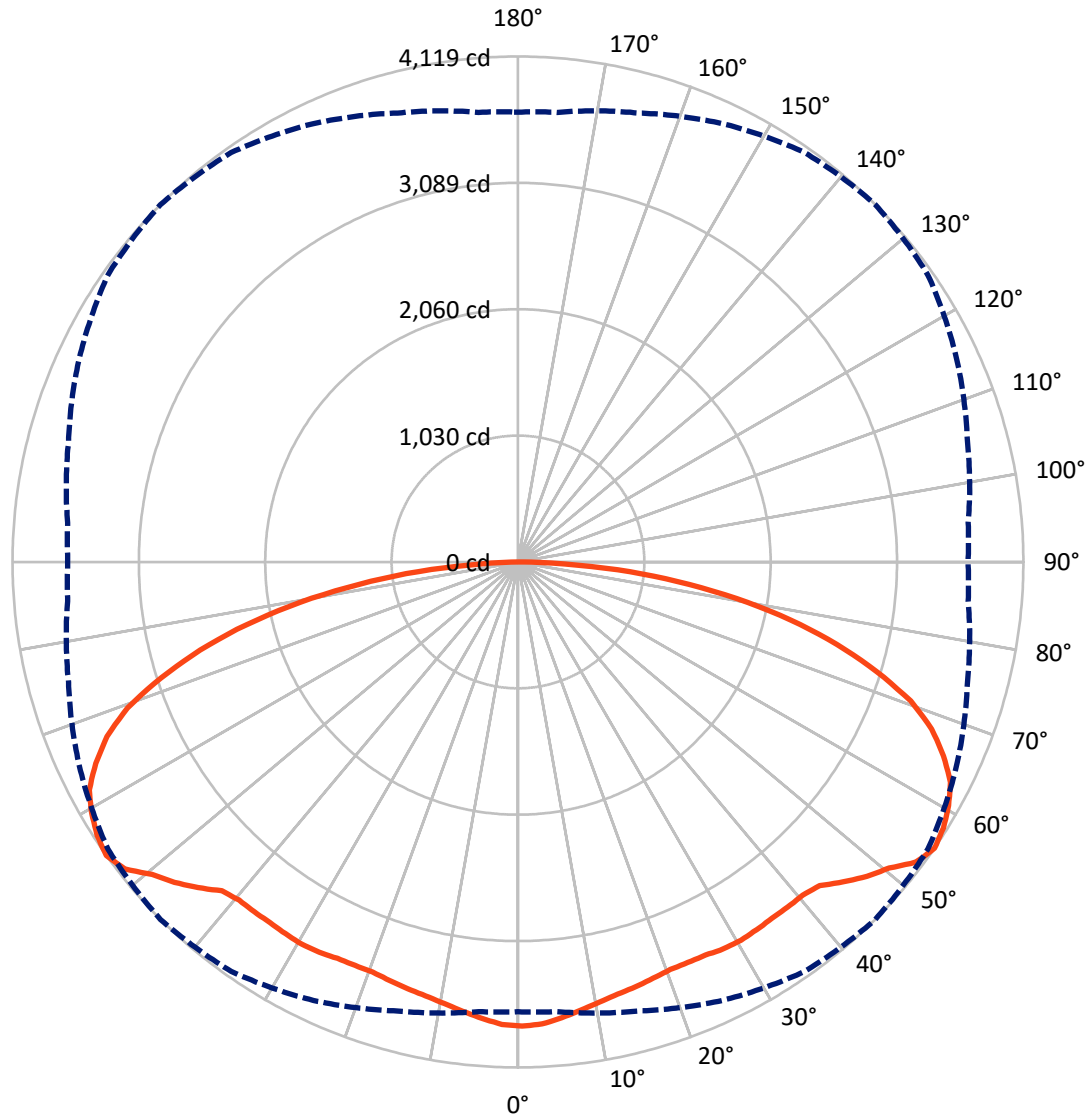
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

REPORT NUMBER: P543170
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Luminous Intensity Polar Plot



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

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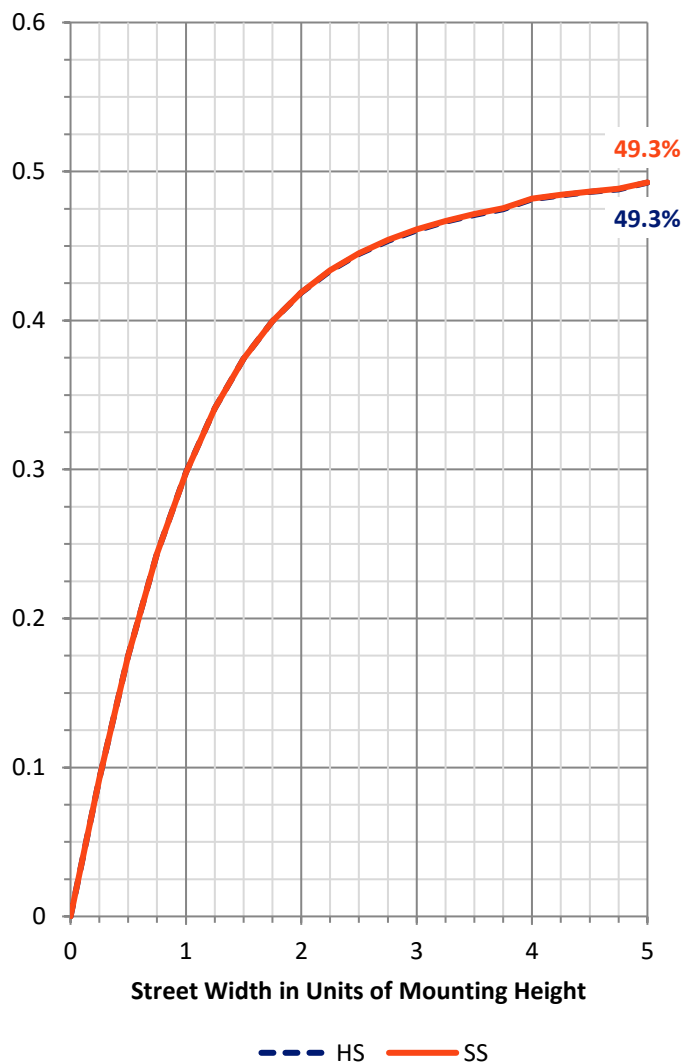
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9139.5	0.0	9139.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9139.5	0.0	9139.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18279.0	0.0	18279.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.1	1.9
10°-20°	1014.1	5.5
20°-30°	1634.2	8.9
30°-40°	2214.6	12.1
40°-50°	2807.3	15.4
50°-60°	3453.7	18.9
60°-70°	3478.7	19.0
70°-80°	2546.0	13.9
80°-90°	777.2	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°	18279.0	100.0
0°-180°	18279.0	100.0

Coefficient of Utilization



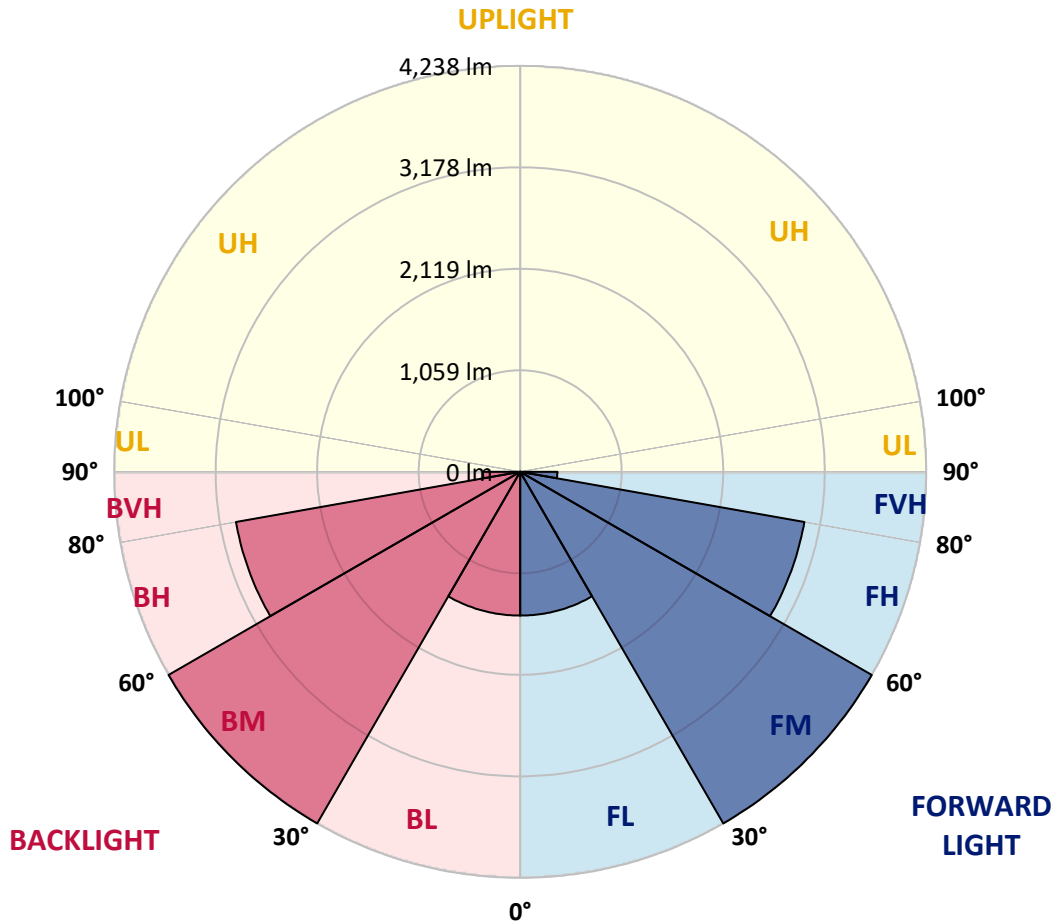
REPORT NUMBER: P543170
 CATALOG NUMBER: TT-D8-740-U-5MQ-PM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.7	8.2			
FM (30°-60°)	4237.8	23.2			
FH (60°-80°)	3012.3	16.5			G2/5000
FVH (80°-90°)	388.6	2.1			G3/500
BL (0°-30°)	1500.7	8.2	B3/2500		
BM (30°-60°)	4237.8	23.2	B3/5000		
BH (60°-80°)	3012.3	16.5	B4/5000		G2/5000
BVH (80°-90°)	388.6	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°	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1	3782.1
2.5°	3765.3	3767.7	3766.9	3768.5	3768.5	3770.1	3768.5	3770.1	3767.7	3768.5	3768.5
5°	3724.4	3727.6	3725.2	3729.2	3730.0	3730.8	3728.4	3728.4	3726.0	3726.0	3726.8
7.5°	3680.4	3682.0	3682.0	3686.0	3688.4	3688.4	3686.0	3682.8	3681.2	3678.8	3678.8
10°	3638.0	3640.4	3639.6	3643.6	3646.8	3647.6	3644.4	3638.8	3636.4	3634.8	3634.8
12.5°	3601.1	3603.5	3605.1	3609.9	3614.8	3614.8	3613.2	3606.7	3602.7	3600.3	3599.5
15°	3573.9	3576.3	3577.1	3584.3	3589.1	3591.5	3588.3	3581.9	3577.1	3573.9	3572.3
17.5°	3546.7	3548.3	3552.3	3558.7	3563.5	3566.7	3563.5	3557.1	3550.7	3545.1	3543.5
20°	3520.3	3521.1	3526.7	3535.5	3541.9	3545.1	3541.9	3532.3	3522.7	3517.9	3517.1
22.5°	3508.3	3509.9	3517.1	3529.9	3538.7	3545.1	3537.1	3525.1	3513.9	3505.9	3505.1
25°	3500.3	3501.1	3510.7	3528.3	3544.3	3549.1	3543.5	3526.7	3509.1	3498.7	3497.9
27.5°	3507.5	3510.7	3523.5	3541.1	3561.9	3569.9	3564.3	3540.3	3521.1	3509.1	3506.7
30°	3505.9	3508.3	3522.7	3542.7	3561.9	3577.9	3566.7	3541.1	3518.7	3506.7	3505.1
32.5°	3501.1	3504.3	3517.1	3533.9	3561.1	3572.3	3561.9	3532.3	3513.1	3504.3	3501.1
35°	3481.0	3486.7	3505.1	3529.9	3554.7	3565.9	3553.9	3529.1	3502.7	3488.3	3486.7
37.5°	3473.0	3477.0	3495.5	3524.3	3557.1	3569.1	3553.1	3523.5	3493.9	3477.8	3473.8
40°	3460.2	3466.6	3489.1	3522.7	3560.3	3571.5	3558.7	3524.3	3490.7	3464.2	3457.0
42.5°	3460.2	3465.8	3497.1	3543.5	3585.1	3605.1	3585.1	3545.9	3498.7	3461.8	3456.2
45°	3515.5	3522.7	3561.9	3630.8	3695.6	3719.6	3694.8	3634.8	3563.5	3521.1	3509.9
47.5°	3562.7	3573.1	3632.4	3719.6	3800.5	3827.7	3798.1	3721.2	3633.2	3573.1	3562.7
50°	3597.9	3609.9	3686.8	3797.3	3883.8	3920.6	3887.0	3799.7	3688.4	3611.5	3599.5
52.5°	3661.2	3679.6	3770.9	3895.8	4016.7	4063.1	4016.7	3899.8	3770.9	3682.0	3661.2
55°	3666.0	3678.0	3787.7	3942.2	4073.5	4119.1	4079.1	3943.0	3791.7	3683.6	3668.4
57.5°	3610.7	3624.4	3740.4	3918.2	4048.7	4088.7	4049.5	3920.6	3750.9	3632.4	3618.8
60°	3511.5	3525.1	3646.0	3830.9	3971.0	4031.9	3974.2	3834.9	3658.0	3534.7	3519.5
62.5°	3403.4	3429.0	3568.3	3752.5	3891.8	3955.8	3898.2	3755.7	3576.3	3438.6	3415.4
65°	3232.9	3244.1	3393.8	3593.1	3764.5	3810.9	3765.3	3598.7	3419.4	3253.7	3244.9
67.5°	3059.9	3080.7	3204.8	3427.4	3593.1	3637.2	3592.3	3426.6	3220.9	3087.1	3071.9
70°	2772.5	2796.5	2971.1	3162.4	3319.3	3396.2	3324.1	3164.8	2998.3	2806.1	2793.3
72.5°	2506.7	2531.5	2651.6	2867.0	3026.3	3059.1	3036.7	2871.0	2676.4	2549.1	2531.5
75°	2159.2	2168.1	2322.6	2505.1	2652.4	2687.6	2659.6	2502.7	2351.4	2188.1	2162.4
77.5°	1798.2	1815.8	1924.7	2080.8	2208.1	2271.3	2206.5	2089.6	1935.9	1816.6	1799.0
80°	1385.1	1404.3	1517.2	1658.9	1757.3	1807.8	1759.7	1654.9	1527.6	1405.9	1397.1
82.5°	976.7	977.5	1089.6	1182.5	1281.0	1309.8	1282.6	1201.7	1097.6	986.4	988.0
85°	553.2	558.8	635.7	720.5	777.4	815.8	785.4	725.4	643.7	566.0	558.8
87.5°	125.7	124.9	164.9	213.8	277.0	276.2	270.6	221.0	169.7	123.3	121.7
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)