

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: P543183

Luminaire Tested: **TT-D8-830-U-5CQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D8-830-U-5CQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14411 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

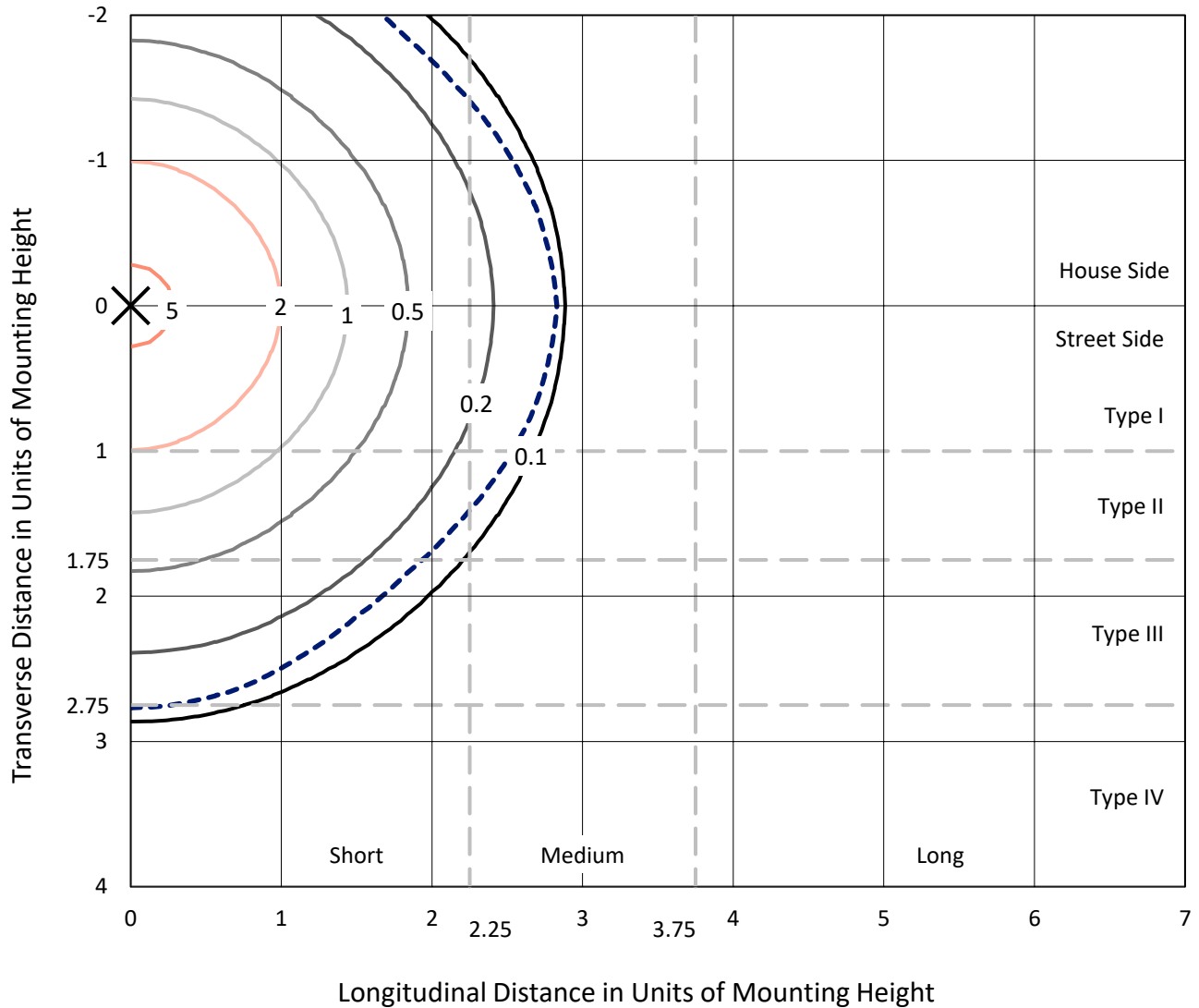
Input Watts (W): 148.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

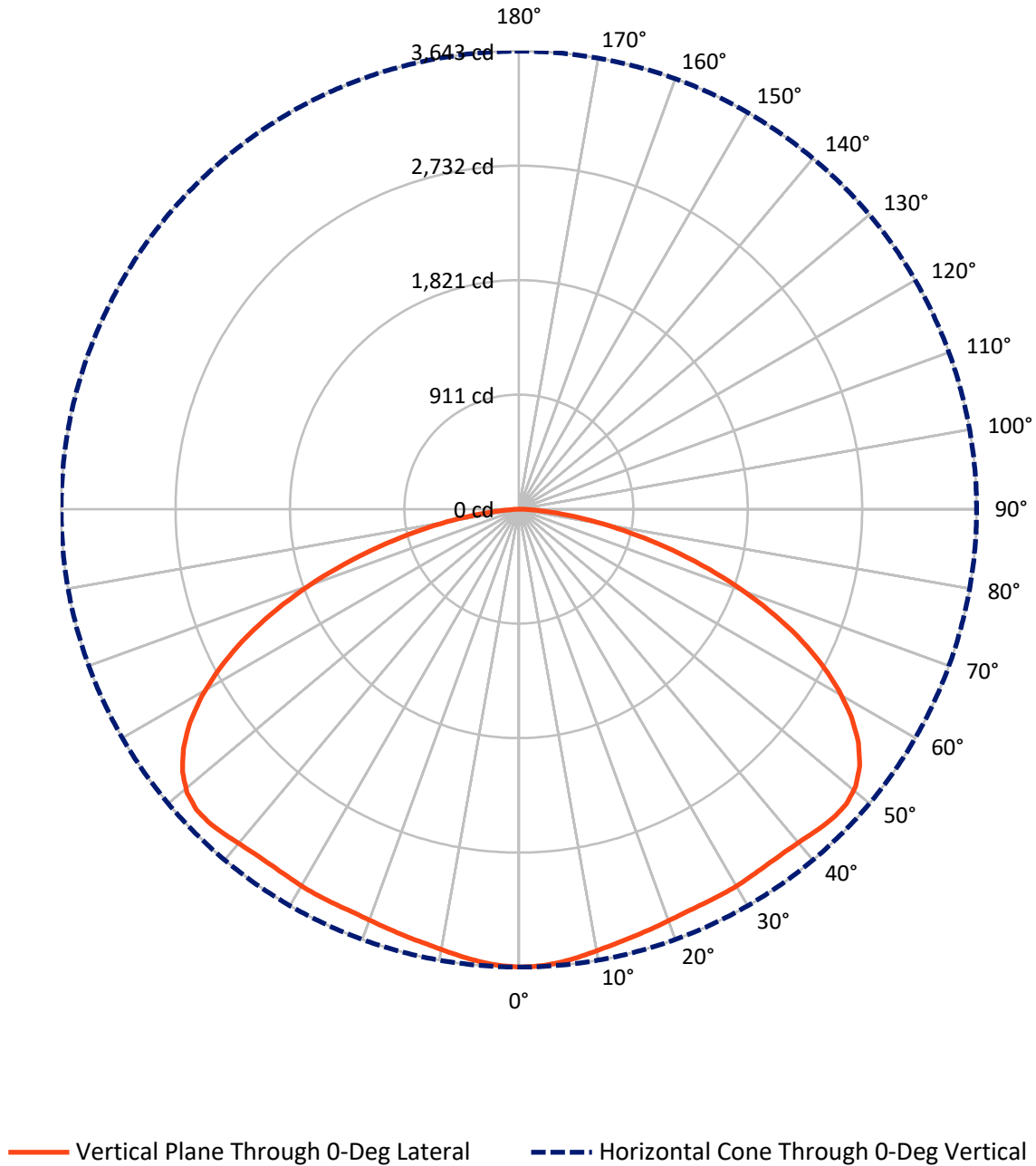
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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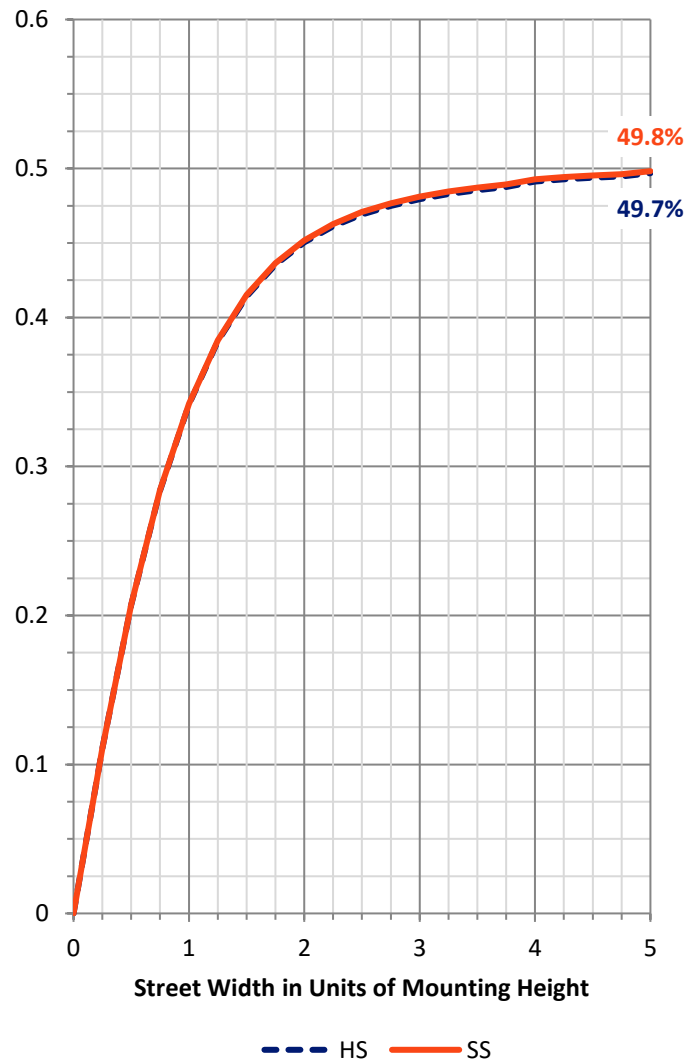
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7205.5	0.0	7205.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7205.5	0.0	7205.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14411.0	0.0	14411.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.2	2.4
10°-20°	994.0	6.9
20°-30°	1597.4	11.1
30°-40°	2150.7	14.9
40°-50°	2661.0	18.5
50°-60°	2854.6	19.8
60°-70°	2326.3	16.1
70°-80°	1240.9	8.6
80°-90°	243.0	1.7
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°	14411.0	100.0
0°-180°	14411.0	100.0



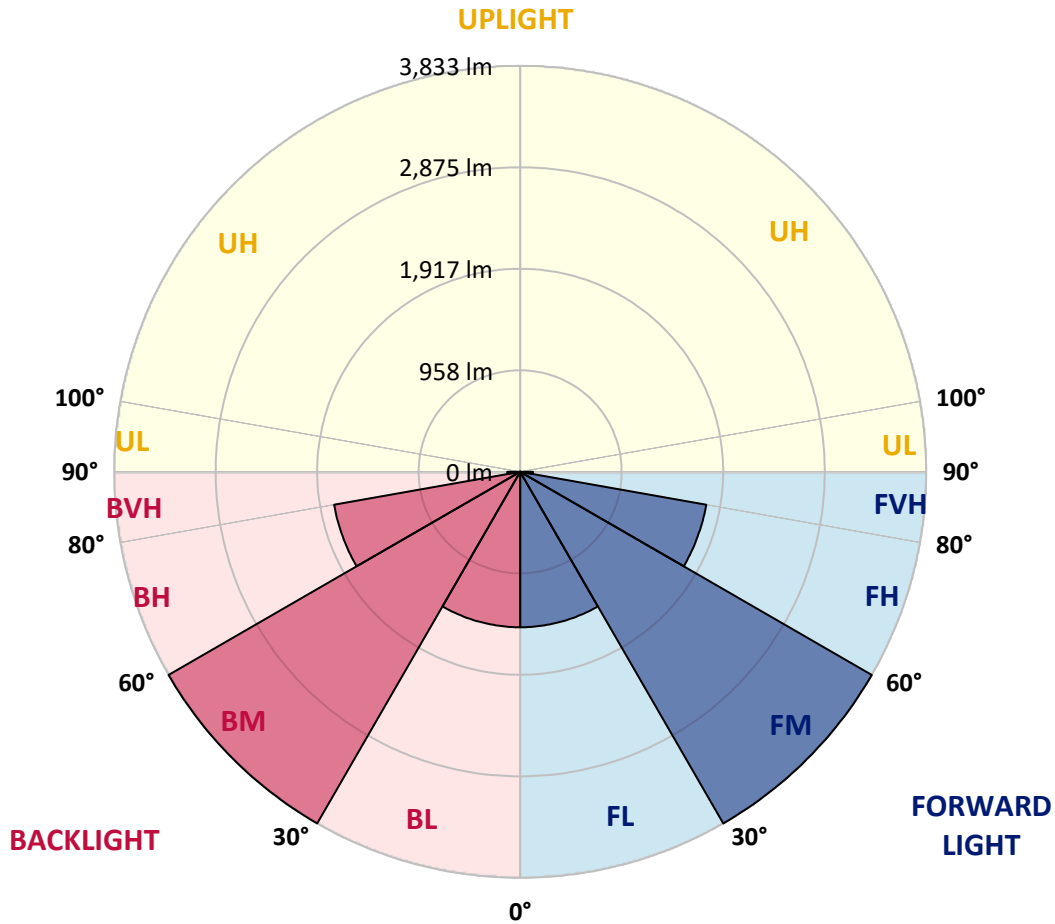
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1467.3	10.2			
FM (30°-60°)	3833.1	26.6			
FH (60°-80°)	1783.6	12.4			G1/1800
FVH (80°-90°)	121.5	0.8			G2/225
BL (0°-30°)	1467.3	10.2	B3/2500		
BM (30°-60°)	3833.1	26.6	B3/5000		
BH (60°-80°)	1783.6	12.4	B3/2500		G1/1800
BVH (80°-90°)	121.5	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6
2.5°	3636.0	3636.0	3635.3	3634.0	3632.0	3630.7	3631.4	3633.4	3635.3	3636.0	3636.7
5°	3617.5	3618.9	3616.9	3614.2	3612.3	3611.6	3610.9	3613.6	3615.6	3616.2	3616.9
7.5°	3590.5	3592.5	3591.2	3588.5	3585.9	3584.6	3584.6	3585.9	3587.9	3589.9	3589.9
10°	3561.5	3561.5	3560.8	3558.2	3555.6	3553.6	3554.2	3555.6	3558.2	3560.2	3560.8
12.5°	3535.8	3536.4	3534.5	3530.5	3526.6	3524.6	3524.6	3527.9	3531.8	3533.8	3535.1
15°	3516.0	3516.7	3514.7	3508.8	3504.1	3502.8	3504.1	3506.8	3510.7	3513.4	3514.0
17.5°	3497.5	3498.2	3495.6	3489.0	3485.0	3483.0	3483.0	3487.0	3492.3	3494.3	3494.9
20°	3480.4	3479.7	3476.5	3469.2	3463.9	3461.3	3462.6	3467.9	3474.5	3477.8	3477.8
22.5°	3467.9	3467.2	3462.6	3454.7	3448.8	3444.1	3446.8	3453.4	3461.3	3467.2	3467.2
25°	3465.2	3463.9	3456.7	3447.4	3437.6	3433.6	3437.6	3446.8	3456.7	3463.9	3465.2
27.5°	3464.6	3462.6	3454.7	3442.2	3432.3	3429.0	3432.3	3443.5	3456.0	3464.6	3465.2
30°	3461.3	3460.0	3449.4	3435.6	3423.7	3419.8	3424.4	3436.9	3450.7	3458.7	3460.6
32.5°	3453.4	3451.4	3440.9	3425.0	3411.8	3406.6	3411.2	3425.7	3439.5	3450.7	3452.1
35°	3449.4	3448.1	3434.9	3415.1	3400.0	3392.1	3398.7	3413.8	3430.3	3443.5	3445.5
37.5°	3452.7	3450.7	3436.2	3413.2	3392.7	3384.2	3390.1	3407.9	3428.3	3443.5	3446.1
40°	3465.2	3462.6	3444.8	3417.1	3390.7	3380.9	3388.1	3410.5	3436.9	3454.0	3458.7
42.5°	3487.0	3484.4	3460.6	3425.7	3392.7	3380.9	3392.7	3422.4	3456.7	3479.1	3482.4
45°	3505.5	3502.8	3475.8	3432.9	3395.4	3381.5	3398.0	3438.2	3483.7	3513.4	3517.3
47.5°	3506.8	3502.8	3470.5	3422.4	3380.2	3367.7	3392.1	3442.2	3499.5	3537.8	3542.4
50°	3472.5	3468.5	3430.3	3376.9	3332.1	3320.2	3357.1	3419.1	3486.3	3529.9	3535.8
52.5°	3396.0	3392.1	3351.8	3291.8	3244.4	3235.2	3280.6	3351.2	3424.4	3473.2	3479.7
55°	3278.7	3272.7	3233.2	3167.9	3114.5	3109.9	3157.4	3232.5	3311.6	3359.1	3370.3
57.5°	3121.8	3115.2	3073.0	3003.1	2950.3	2944.4	2992.5	3069.7	3153.4	3198.9	3210.8
60°	2924.6	2924.0	2876.5	2806.0	2755.8	2747.3	2790.1	2869.2	2950.3	2998.5	3009.7
62.5°	2696.5	2696.5	2649.0	2585.7	2529.0	2520.5	2560.7	2638.5	2713.7	2761.1	2775.6
65°	2436.7	2431.5	2395.2	2329.3	2272.6	2266.0	2305.5	2367.5	2444.7	2489.5	2503.3
67.5°	2147.3	2141.4	2115.7	2053.0	2004.3	1990.4	2024.0	2087.3	2154.6	2198.1	2207.3
70°	1838.8	1836.1	1809.8	1753.7	1708.2	1697.7	1728.7	1782.7	1839.4	1875.0	1890.2
72.5°	1521.6	1523.0	1495.3	1449.1	1417.5	1406.9	1427.4	1464.9	1528.2	1551.3	1563.8
75°	1208.5	1207.2	1190.0	1150.5	1120.8	1107.6	1128.7	1165.6	1195.3	1225.0	1239.5
77.5°	907.8	905.9	896.6	863.7	843.9	834.0	845.2	870.9	896.0	921.7	925.6
80°	630.3	630.9	620.4	600.0	578.9	577.5	586.8	600.0	620.4	637.5	640.2
82.5°	385.0	386.3	377.8	369.9	352.1	352.1	358.7	370.5	381.1	394.9	391.0
85°	183.3	183.3	181.3	174.7	168.8	166.8	170.1	174.7	179.3	185.9	186.6
87.5°	44.8	45.5	46.2	43.5	40.2	38.9	40.9	42.9	45.5	49.4	47.5
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)