

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: P543128

Luminaire Tested: **TT-D7-735-U-5CQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543128
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-D7-735-U-5CQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14944 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

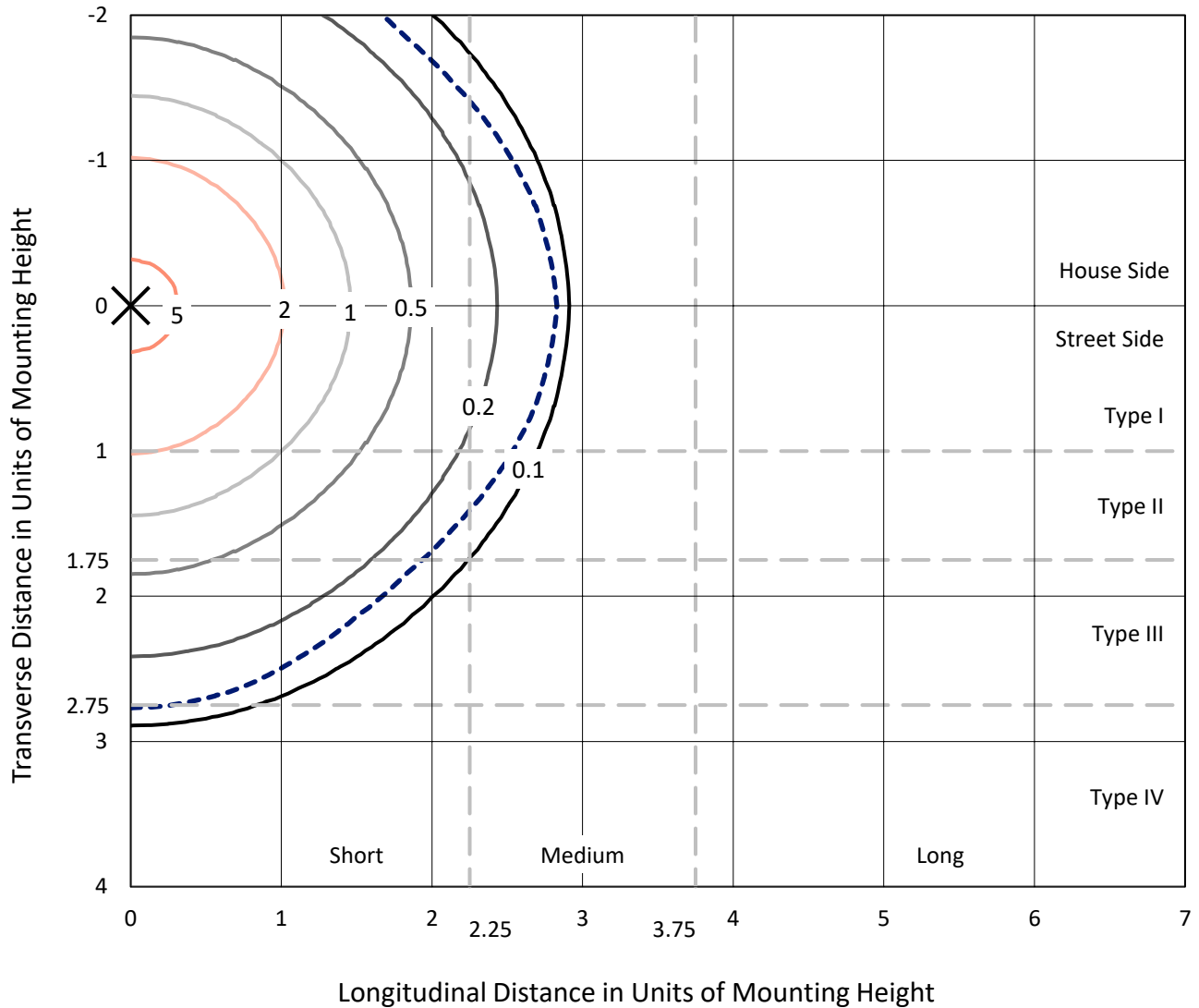
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

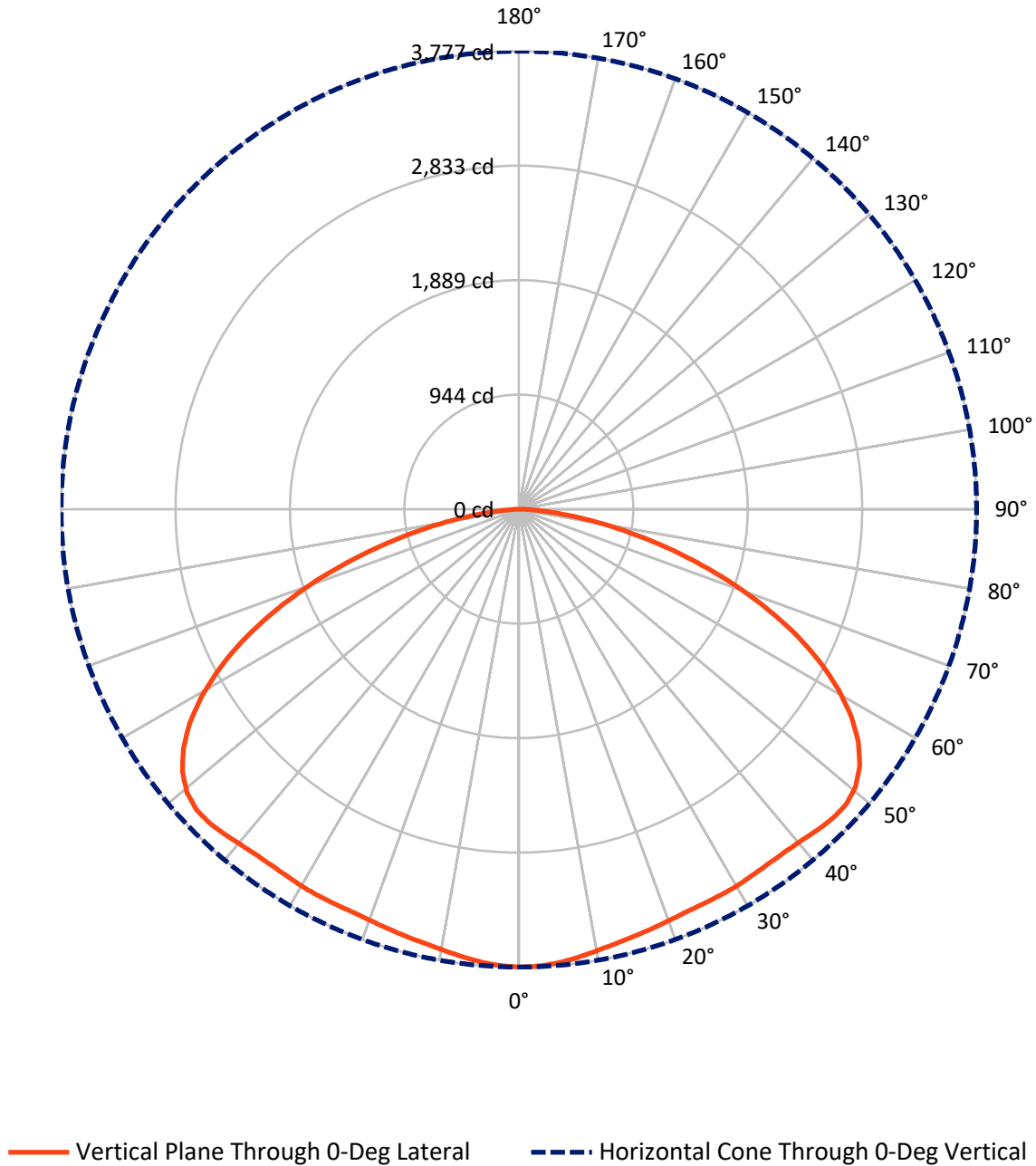
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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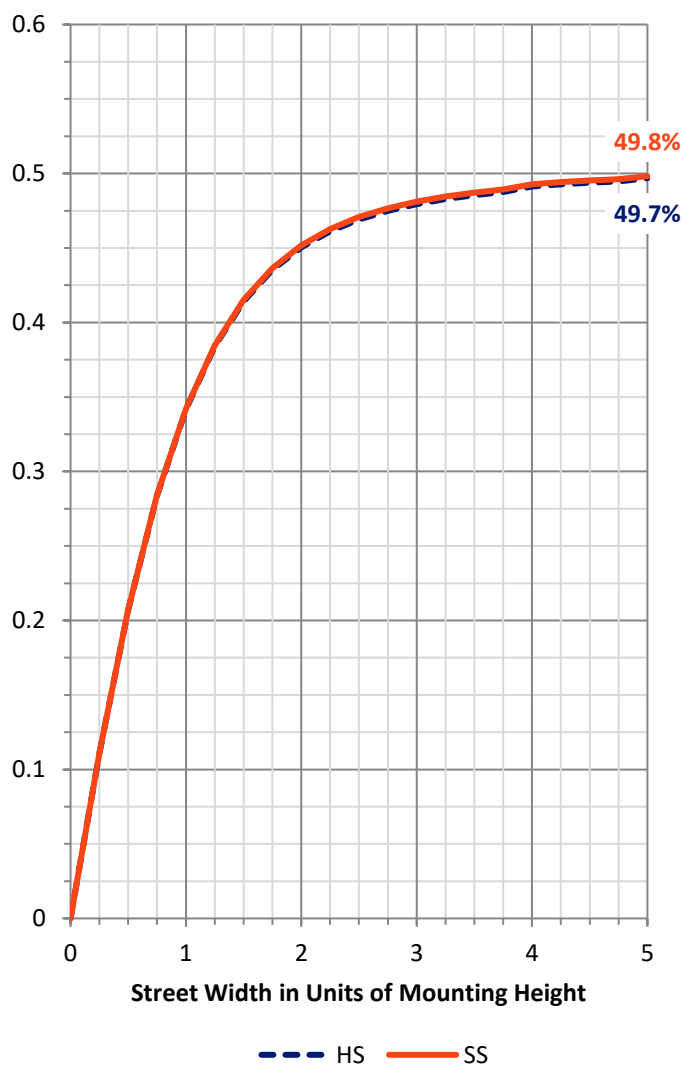
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7472.0	0.0	7472.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7472.0	0.0	7472.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14944.0	0.0	14944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.9	2.4
10°-20°	1030.7	6.9
20°-30°	1656.4	11.1
30°-40°	2230.2	14.9
40°-50°	2759.4	18.5
50°-60°	2960.2	19.8
60°-70°	2412.3	16.1
70°-80°	1286.9	8.6
80°-90°	252.0	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°	14944.0	100.0
0°-180°	14944.0	100.0

Coefficient of Utilization



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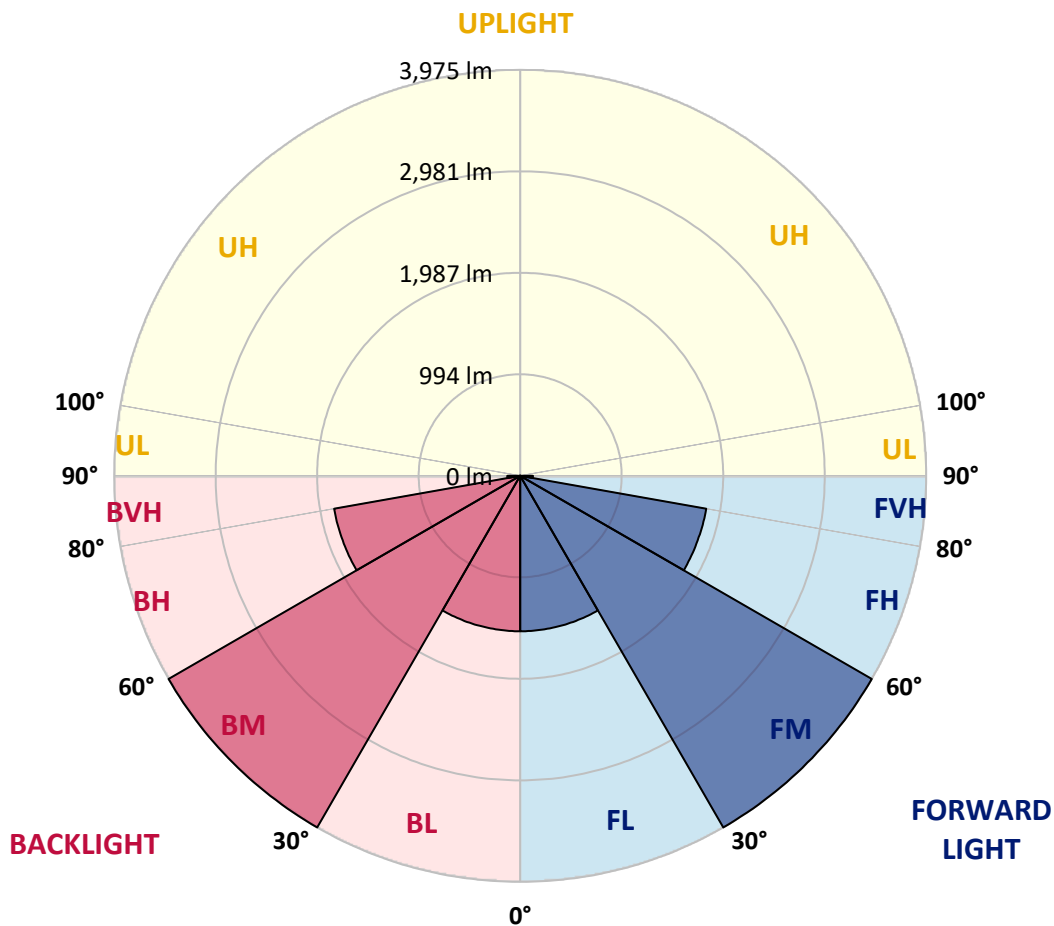
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1521.5	10.2			
FM (30°-60°)	3974.9	26.6			
FH (60°-80°)	1849.6	12.4			G2/5000
FVH (80°-90°)	126.0	0.8			G2/225
BL (0°-30°)	1521.5	10.2	B3/2500		
BM (30°-60°)	3974.9	26.6	B3/5000		
BH (60°-80°)	1849.6	12.4	B3/2500		G2/5000
BVH (80°-90°)	126.0	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°	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3
2.5°	3770.5	3770.5	3769.8	3768.4	3766.4	3765.0	3765.7	3767.7	3769.8	3770.5	3771.2
5°	3751.3	3752.7	3750.7	3747.9	3745.9	3745.2	3744.5	3747.2	3749.3	3750.0	3750.7
7.5°	3723.3	3725.4	3724.0	3721.3	3718.5	3717.2	3717.2	3718.5	3720.6	3722.6	3722.6
10°	3693.2	3693.2	3692.5	3689.8	3687.1	3685.0	3685.7	3687.1	3689.8	3691.9	3692.5
12.5°	3666.6	3667.2	3665.2	3661.1	3657.0	3654.9	3654.9	3658.4	3662.5	3664.5	3665.9
15°	3646.1	3646.7	3644.7	3638.5	3633.7	3632.4	3633.7	3636.5	3640.6	3643.3	3644.0
17.5°	3626.9	3627.6	3624.9	3618.0	3613.9	3611.9	3611.9	3616.0	3621.4	3623.5	3624.2
20°	3609.1	3608.4	3605.0	3597.5	3592.0	3589.3	3590.7	3596.1	3603.0	3606.4	3606.4
22.5°	3596.1	3595.5	3590.7	3582.5	3576.3	3571.5	3574.3	3581.1	3589.3	3595.5	3595.5
25°	3593.4	3592.0	3584.5	3574.9	3564.7	3560.6	3564.7	3574.3	3584.5	3592.0	3593.4
27.5°	3592.7	3590.7	3582.5	3569.5	3559.2	3555.8	3559.2	3570.8	3583.8	3592.7	3593.4
30°	3589.3	3587.9	3577.0	3562.6	3550.3	3546.2	3551.0	3564.0	3578.4	3586.6	3588.6
32.5°	3581.1	3579.1	3568.1	3551.7	3538.0	3532.6	3537.3	3552.4	3566.7	3578.4	3579.7
35°	3577.0	3575.6	3562.0	3541.4	3525.7	3517.5	3524.4	3540.1	3557.2	3570.8	3572.9
37.5°	3580.4	3578.4	3563.3	3539.4	3518.2	3509.3	3515.5	3533.9	3555.1	3570.8	3573.6
40°	3593.4	3590.7	3572.2	3543.5	3516.2	3505.9	3513.4	3536.7	3564.0	3581.8	3586.6
42.5°	3616.0	3613.2	3588.6	3552.4	3518.2	3505.9	3518.2	3549.0	3584.5	3607.8	3611.2
45°	3635.1	3632.4	3604.3	3559.9	3520.9	3506.6	3523.7	3565.4	3612.6	3643.3	3647.4
47.5°	3636.5	3632.4	3598.9	3549.0	3505.2	3492.2	3517.5	3569.5	3629.0	3668.6	3673.4
50°	3600.9	3596.8	3557.2	3501.8	3455.3	3443.0	3481.3	3545.6	3615.3	3660.4	3666.6
52.5°	3521.6	3517.5	3475.8	3413.6	3364.4	3354.8	3402.0	3475.1	3551.0	3601.6	3608.4
55°	3399.9	3393.8	3352.8	3285.1	3229.7	3224.9	3274.1	3352.1	3434.1	3483.3	3495.0
57.5°	3237.2	3230.4	3186.6	3114.2	3059.5	3053.3	3103.2	3183.2	3270.0	3317.2	3329.5
60°	3032.8	3032.1	2982.9	2909.7	2857.8	2848.9	2893.3	2975.4	3059.5	3109.4	3121.0
62.5°	2796.2	2796.2	2747.0	2681.4	2622.6	2613.7	2655.4	2736.1	2814.0	2863.2	2878.3
65°	2526.9	2521.4	2483.8	2415.4	2356.6	2349.8	2390.8	2455.1	2535.1	2581.6	2595.9
67.5°	2226.7	2220.6	2193.9	2129.0	2078.4	2064.0	2098.9	2164.5	2234.3	2279.4	2289.0
70°	1906.8	1904.0	1876.7	1818.6	1771.4	1760.5	1792.6	1848.7	1907.5	1944.4	1960.1
72.5°	1577.9	1579.3	1550.6	1502.7	1469.9	1459.0	1480.2	1519.1	1584.8	1608.7	1621.7
75°	1253.2	1251.8	1234.0	1193.0	1162.3	1148.6	1170.5	1208.7	1239.5	1270.3	1285.3
77.5°	941.4	939.4	929.8	895.6	875.1	864.9	876.5	903.1	929.1	955.8	959.9
80°	653.6	654.3	643.3	622.1	600.3	598.9	608.5	622.1	643.3	661.1	663.9
82.5°	399.3	400.6	391.7	383.5	365.1	365.1	371.9	384.2	395.2	409.5	405.4
85°	190.1	190.1	188.0	181.2	175.0	173.0	176.4	181.2	186.0	192.8	193.5
87.5°	46.5	47.2	47.9	45.1	41.7	40.3	42.4	44.4	47.2	51.3	49.2
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)