

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: P543135

Luminaire Tested: **TT-D7-740-U-5MQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543135
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-D7-740-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: 15609 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

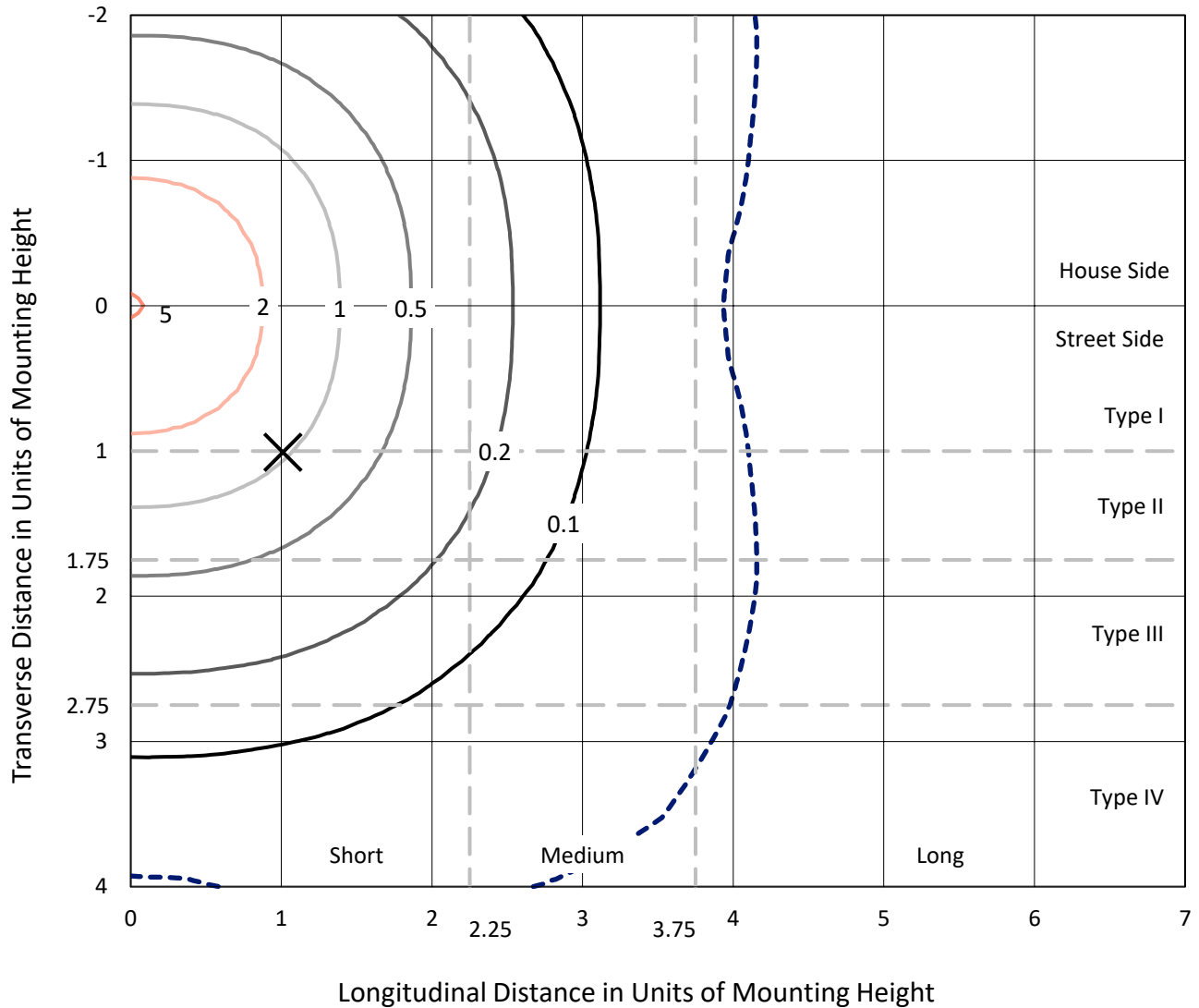
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

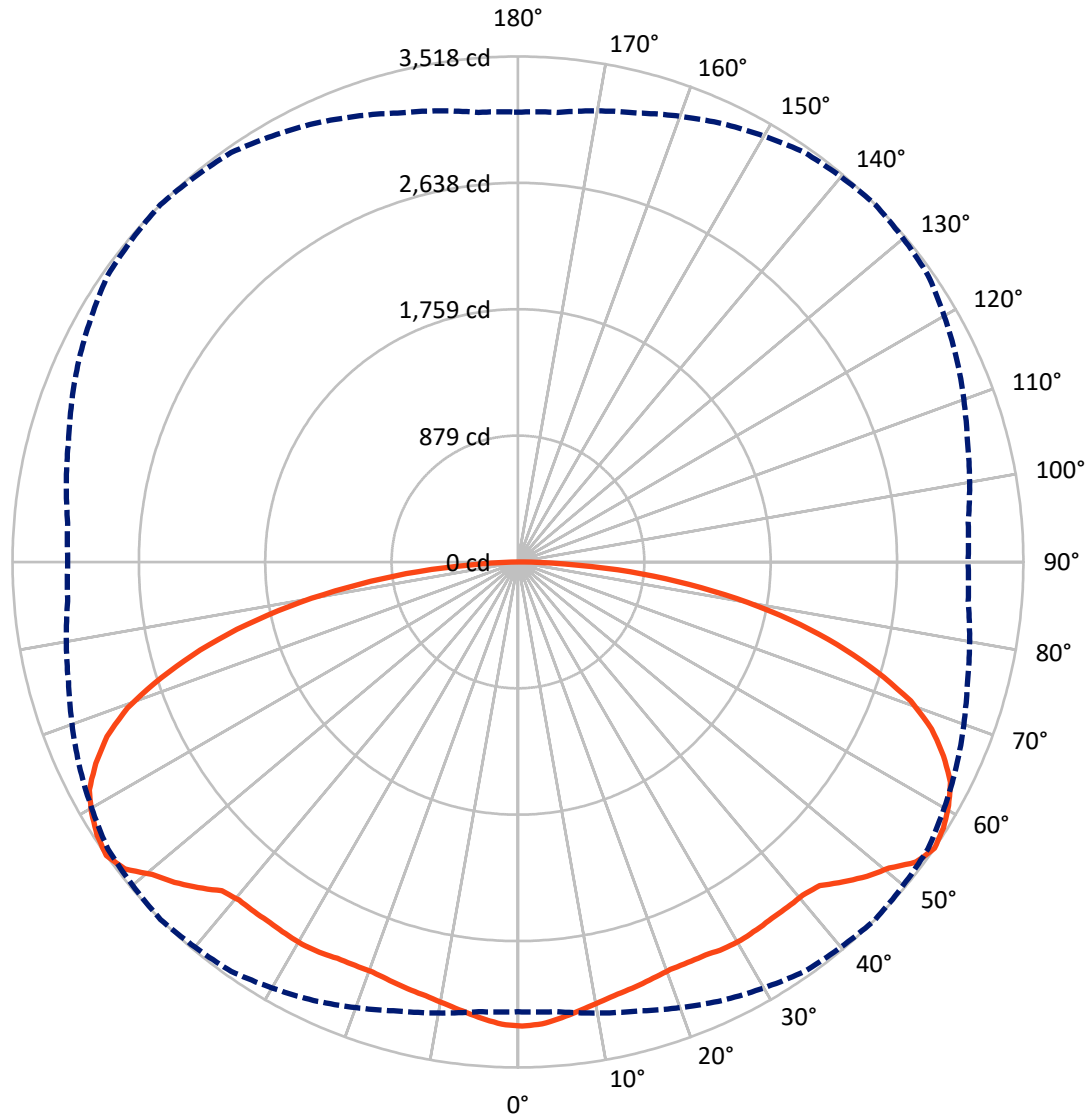
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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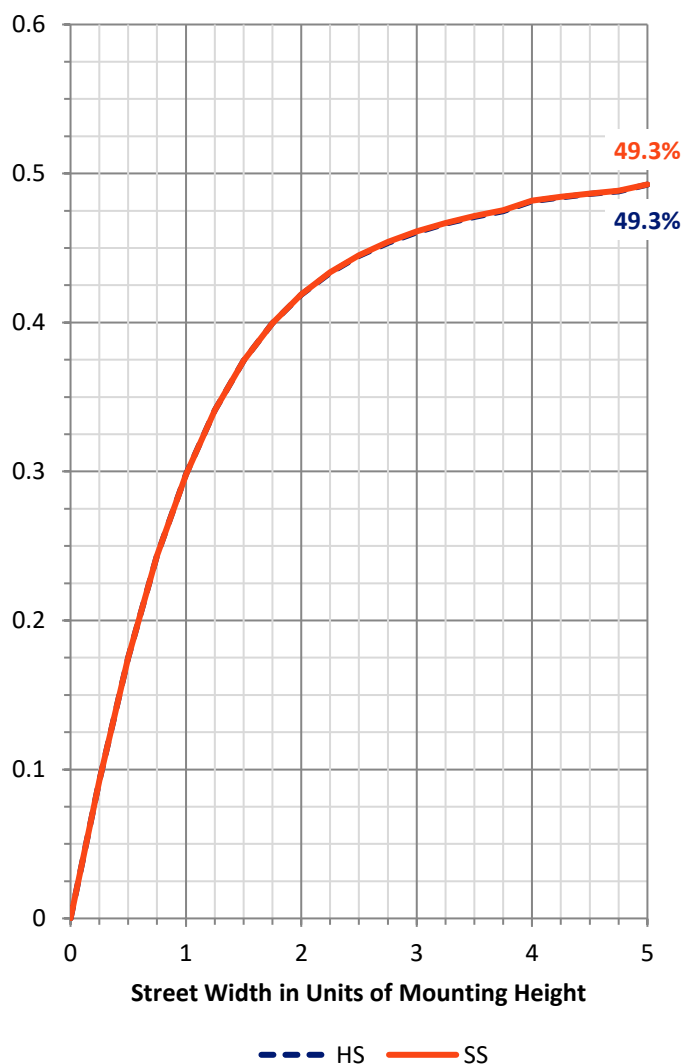
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7804.5	0.0	7804.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7804.5	0.0	7804.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15609.0	0.0	15609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.5	1.9
10°-20°	866.0	5.5
20°-30°	1395.5	8.9
30°-40°	1891.1	12.1
40°-50°	2397.3	15.4
50°-60°	2949.2	18.9
60°-70°	2970.6	19.0
70°-80°	2174.1	13.9
80°-90°	663.7	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°	15609.0	100.0
0°-180°	15609.0	100.0

Coefficient of Utilization



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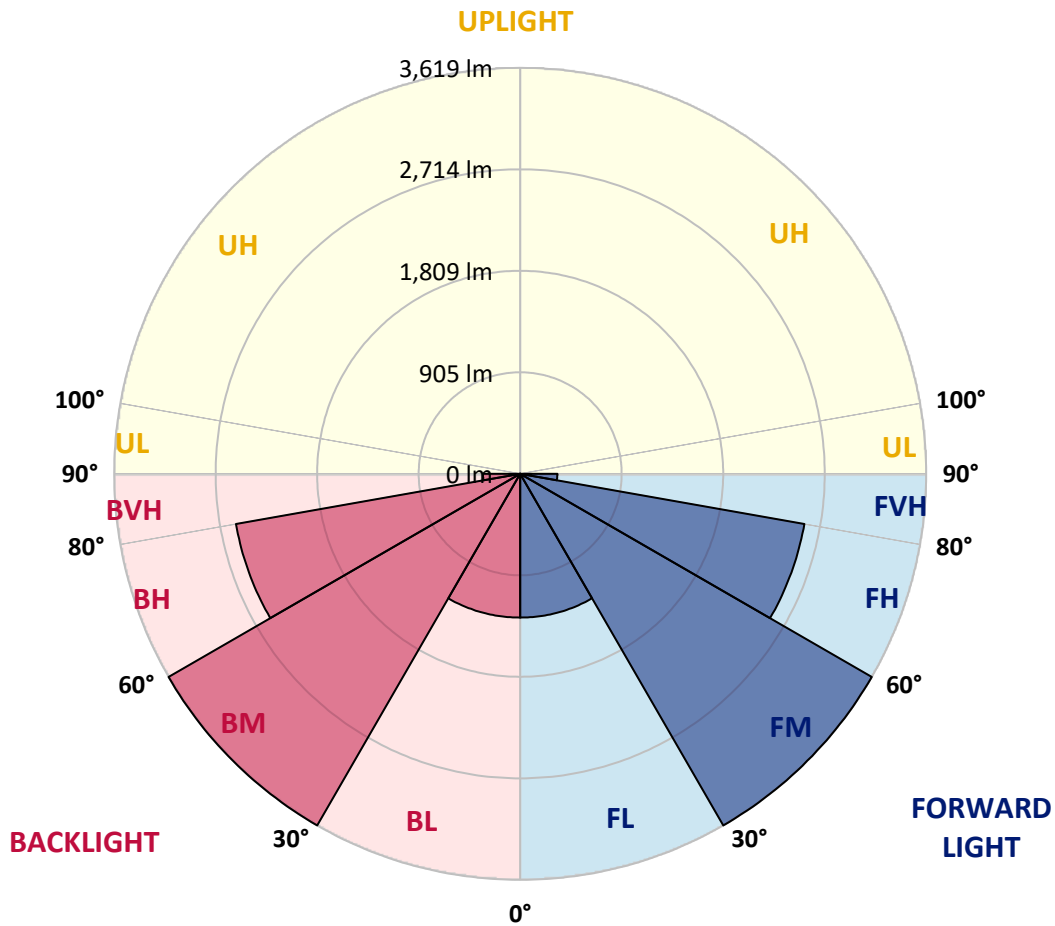
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1281.5	8.2			
FM (30°-60°)	3618.8	23.2			
FH (60°-80°)	2572.3	16.5			G2/5000
FVH (80°-90°)	331.8	2.1			G3/500
BL (0°-30°)	1281.5	8.2	B3/2500		
BM (30°-60°)	3618.8	23.2	B3/5000		
BH (60°-80°)	2572.3	16.5	B4/5000		G2/5000
BVH (80°-90°)	331.8	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°	3229.6	3229.6	3229.6	3229.6	3229.6	3229.6	3229.6	3229.6	3229.6	3229.6	3229.6
2.5°	3215.3	3217.3	3216.6	3218.0	3218.0	3219.4	3218.0	3219.4	3217.3	3218.0	3218.0
5°	3180.4	3183.1	3181.1	3184.5	3185.2	3185.9	3183.8	3183.8	3181.8	3181.8	3182.5
7.5°	3142.8	3144.2	3144.2	3147.6	3149.6	3149.6	3147.6	3144.9	3143.5	3141.4	3141.4
10°	3106.6	3108.6	3107.9	3111.4	3114.1	3114.8	3112.0	3107.3	3105.2	3103.8	3103.8
12.5°	3075.1	3077.2	3078.5	3082.6	3086.7	3086.7	3085.4	3079.9	3076.5	3074.4	3073.8
15°	3051.9	3053.9	3054.6	3060.8	3064.9	3066.9	3064.2	3058.7	3054.6	3051.9	3050.5
17.5°	3028.6	3030.0	3033.4	3038.9	3043.0	3045.7	3043.0	3037.5	3032.1	3027.3	3025.9
20°	3006.1	3006.8	3011.5	3019.1	3024.5	3027.3	3024.5	3016.3	3008.1	3004.0	3003.3
22.5°	2995.8	2997.2	3003.3	3014.3	3021.8	3027.3	3020.4	3010.2	3000.6	2993.8	2993.1
25°	2989.0	2989.7	2997.9	3012.9	3026.6	3030.7	3025.9	3011.5	2996.5	2987.6	2986.9
27.5°	2995.1	2997.9	3008.8	3023.9	3041.6	3048.5	3043.7	3023.2	3006.8	2996.5	2994.5
30°	2993.8	2995.8	3008.1	3025.2	3041.6	3055.3	3045.7	3023.9	3004.7	2994.5	2993.1
32.5°	2989.7	2992.4	3003.3	3017.7	3040.9	3050.5	3041.6	3016.3	2999.9	2992.4	2989.7
35°	2972.6	2977.4	2993.1	3014.3	3035.5	3045.0	3034.8	3013.6	2991.0	2978.7	2977.4
37.5°	2965.7	2969.2	2984.9	3009.5	3037.5	3047.8	3034.1	3008.8	2983.5	2969.8	2966.4
40°	2954.8	2960.3	2979.4	3008.1	3040.3	3049.8	3038.9	3009.5	2980.8	2958.2	2952.1
42.5°	2954.8	2959.6	2986.2	3025.9	3061.5	3078.5	3061.5	3028.0	2987.6	2956.2	2951.4
45°	3002.0	3008.1	3041.6	3100.4	3155.8	3176.3	3155.1	3103.8	3043.0	3006.8	2997.2
47.5°	3042.3	3051.2	3101.8	3176.3	3245.4	3268.6	3243.3	3177.7	3102.5	3051.2	3042.3
50°	3072.4	3082.6	3148.3	3242.6	3316.5	3347.9	3319.2	3244.7	3149.6	3084.0	3073.8
52.5°	3126.4	3142.1	3220.1	3326.7	3429.9	3469.6	3429.9	3330.1	3220.1	3144.2	3126.4
55°	3130.5	3140.8	3234.4	3366.4	3478.5	3517.5	3483.3	3367.0	3237.8	3145.5	3132.6
57.5°	3083.3	3095.0	3194.1	3345.9	3457.3	3491.5	3458.0	3347.9	3203.0	3101.8	3090.2
60°	2998.6	3010.2	3113.4	3271.3	3391.0	3442.9	3393.7	3274.8	3123.7	3018.4	3005.4
62.5°	2906.3	2928.1	3047.1	3204.3	3323.3	3378.0	3328.8	3207.1	3053.9	2936.3	2916.5
65°	2760.6	2770.2	2898.1	3068.3	3214.6	3254.2	3215.3	3073.1	2919.9	2778.4	2770.9
67.5°	2613.0	2630.7	2736.7	2926.8	3068.3	3105.9	3067.6	2926.1	2750.4	2636.2	2623.2
70°	2367.5	2388.0	2537.1	2700.5	2834.5	2900.1	2838.6	2702.5	2560.3	2396.2	2385.3
72.5°	2140.6	2161.7	2264.3	2448.2	2584.3	2612.3	2593.1	2451.6	2285.5	2176.8	2161.7
75°	1843.8	1851.4	1983.3	2139.2	2265.0	2295.1	2271.1	2137.1	2007.9	1868.5	1846.6
77.5°	1535.5	1550.6	1643.5	1776.8	1885.5	1939.6	1884.2	1784.4	1653.1	1551.2	1536.2
80°	1182.7	1199.1	1295.5	1416.6	1500.6	1543.7	1502.7	1413.1	1304.4	1200.5	1193.0
82.5°	834.1	834.8	930.5	1009.8	1093.9	1118.5	1095.2	1026.2	937.3	842.3	843.6
85°	472.4	477.2	542.8	615.3	663.8	696.7	670.7	619.4	549.7	483.4	477.2
87.5°	107.3	106.7	140.8	182.5	236.5	235.9	231.1	188.7	144.9	105.3	103.9
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)