

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: P543185

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

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543185
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-D8-830-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: 15053 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

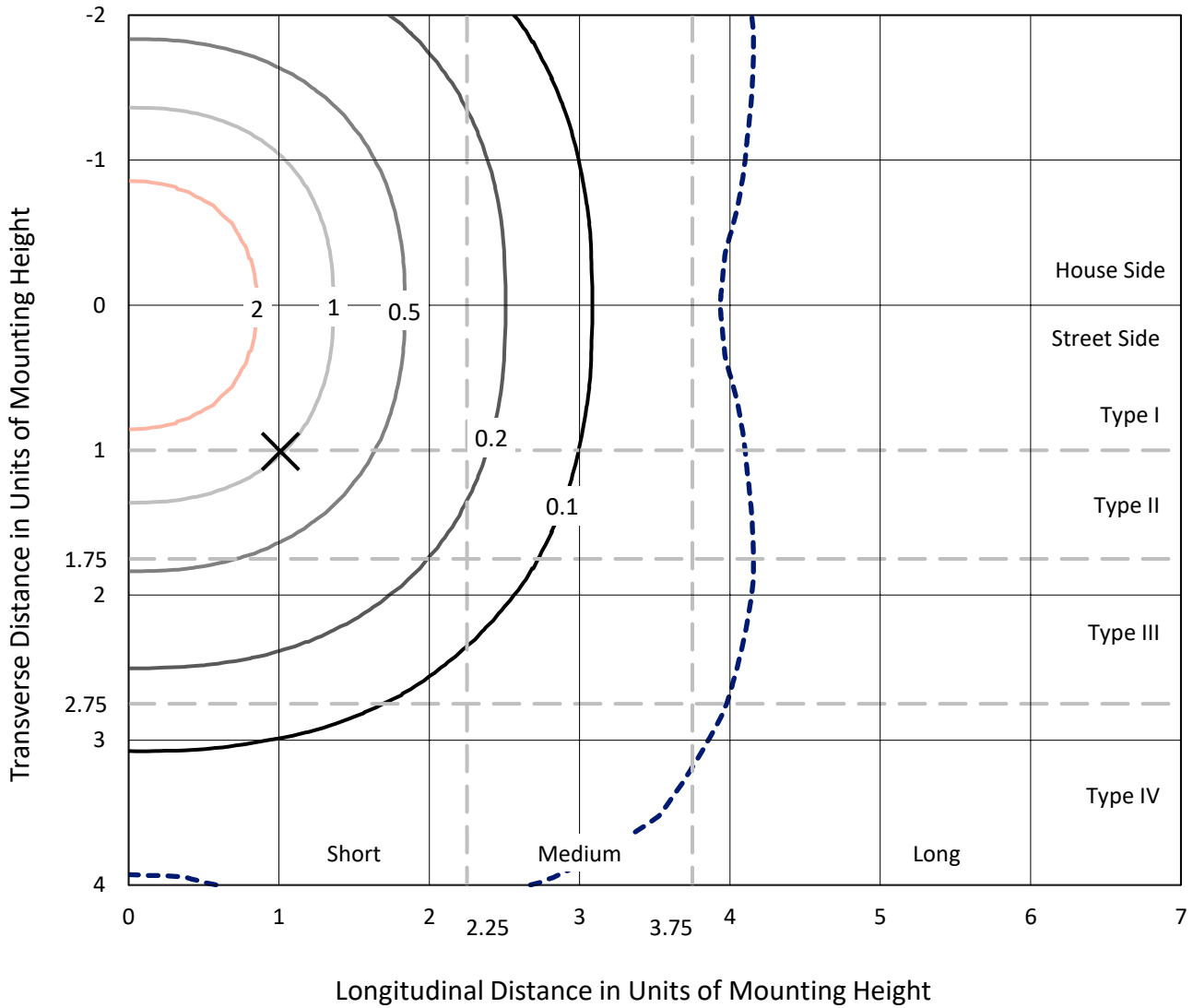
Input Watts (W): 148.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

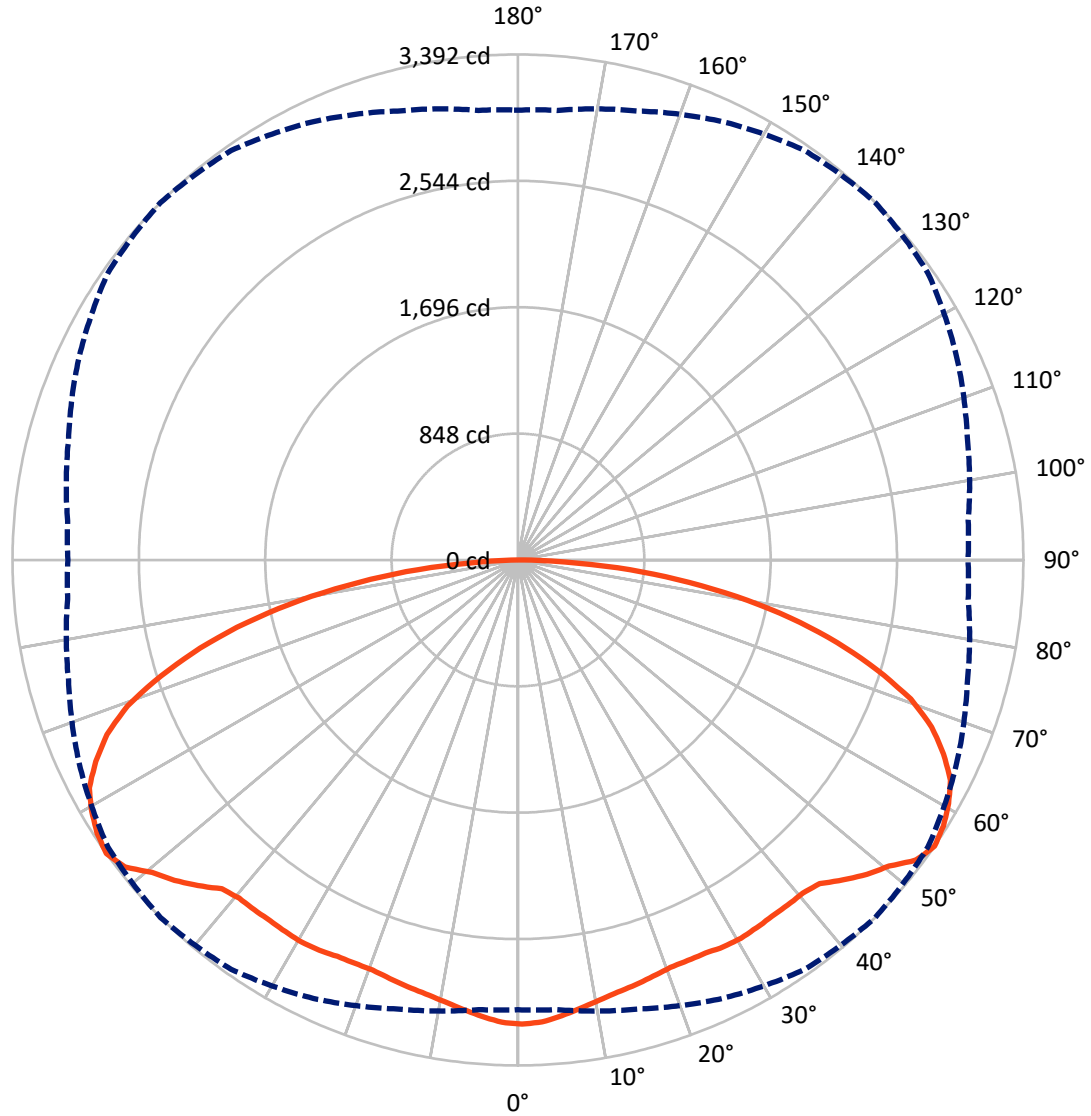
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P543185
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Luminous Intensity Polar Plot



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

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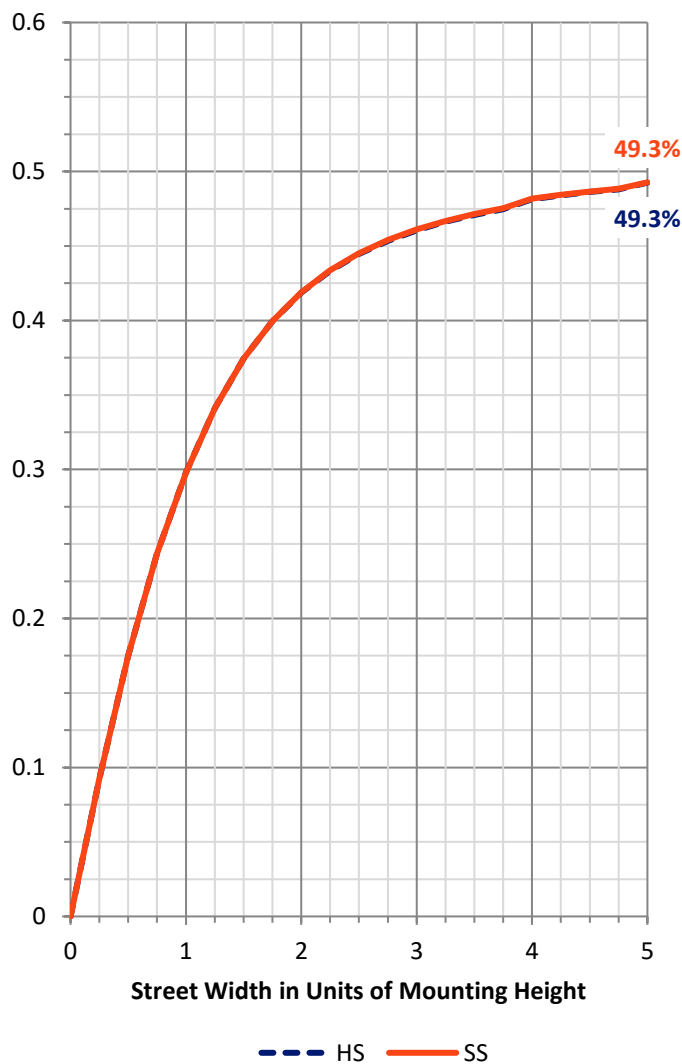
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7526.5	0.0	7526.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7526.5	0.0	7526.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15053.0	0.0	15053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.8	1.9
10°-20°	835.2	5.5
20°-30°	1345.8	8.9
30°-40°	1823.7	12.1
40°-50°	2311.9	15.4
50°-60°	2844.2	18.9
60°-70°	2864.8	19.0
70°-80°	2096.6	13.9
80°-90°	640.0	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°	15053.0	100.0
0°-180°	15053.0	100.0

Coefficient of Utilization



REPORT NUMBER: P543185

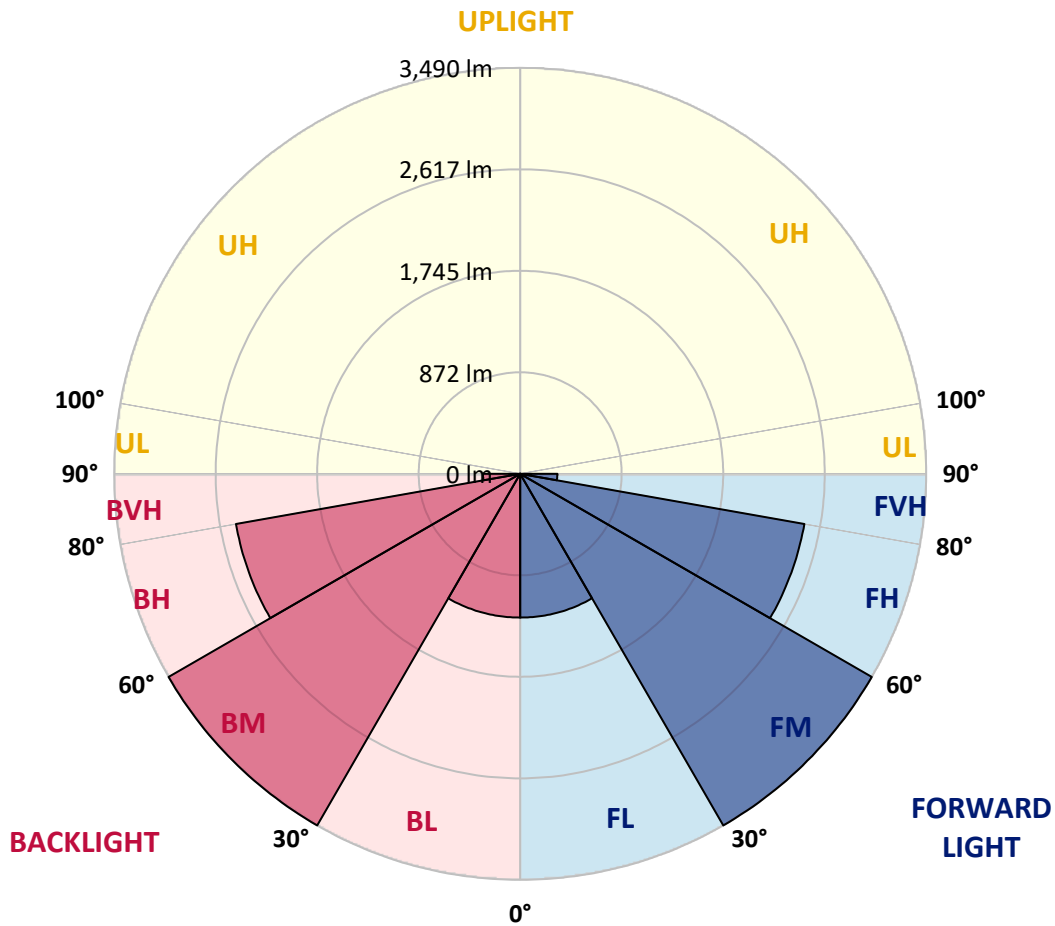
CATALOG NUMBER: TT-D8-830-U-5MQ-PM

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1235.9	8.2			
FM (30°-60°)	3489.9	23.2			
FH (60°-80°)	2480.7	16.5			G2/5000
FVH (80°-90°)	320.0	2.1			G3/500
BL (0°-30°)	1235.9	8.2	B3/2500		
BM (30°-60°)	3489.9	23.2	B3/5000		
BH (60°-80°)	2480.7	16.5	B3/2500		G2/5000
BVH (80°-90°)	320.0	2.1			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CATALOG NUMBER: TT-D8-830-U-5MQ-PM

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6
2.5°	3100.7	3102.7	3102.1	3103.4	3103.4	3104.7	3103.4	3104.7	3102.7	3103.4	3103.4
5°	3067.1	3069.8	3067.8	3071.1	3071.7	3072.4	3070.4	3070.4	3068.4	3068.4	3069.1
7.5°	3030.9	3032.2	3032.2	3035.5	3037.5	3037.5	3035.5	3032.8	3031.5	3029.5	3029.5
10°	2995.9	2997.9	2997.2	3000.5	3003.2	3003.8	3001.2	2996.6	2994.6	2993.3	2993.3
12.5°	2965.6	2967.6	2968.9	2972.8	2976.8	2976.8	2975.5	2970.2	2966.9	2964.9	2964.3
15°	2943.2	2945.1	2945.8	2951.7	2955.7	2957.7	2955.0	2949.8	2945.8	2943.2	2941.9
17.5°	2920.8	2922.1	2925.4	2930.6	2934.6	2937.2	2934.6	2929.3	2924.1	2919.4	2918.1
20°	2899.0	2899.7	2904.3	2911.5	2916.8	2919.4	2916.8	2908.9	2901.0	2897.0	2896.4
22.5°	2889.1	2890.4	2896.4	2906.9	2914.2	2919.4	2912.8	2903.0	2893.7	2887.1	2886.5
25°	2882.5	2883.2	2891.1	2905.6	2918.8	2922.7	2918.1	2904.3	2889.8	2881.2	2880.5
27.5°	2888.4	2891.1	2901.6	2916.1	2933.3	2939.9	2935.3	2915.5	2899.7	2889.8	2887.8
30°	2887.1	2889.1	2901.0	2917.5	2933.3	2946.5	2937.2	2916.1	2897.7	2887.8	2886.5
32.5°	2883.2	2885.8	2896.4	2910.2	2932.6	2941.9	2933.3	2908.9	2893.1	2885.8	2883.2
35°	2866.7	2871.3	2886.5	2906.9	2927.3	2936.6	2926.7	2906.2	2884.5	2872.6	2871.3
37.5°	2860.1	2863.4	2878.6	2902.3	2929.3	2939.2	2926.0	2901.6	2877.2	2864.1	2860.8
40°	2849.5	2854.8	2873.3	2901.0	2932.0	2941.2	2930.6	2902.3	2874.6	2852.8	2846.9
42.5°	2849.5	2854.2	2879.9	2918.1	2952.4	2968.9	2952.4	2920.1	2881.2	2850.9	2846.3
45°	2895.0	2901.0	2933.3	2990.0	3043.4	3063.2	3042.7	2993.3	2934.6	2899.7	2890.4
47.5°	2933.9	2942.5	2991.3	3063.2	3129.8	3152.2	3127.8	3064.5	2992.0	2942.5	2933.9
50°	2963.0	2972.8	3036.1	3127.1	3198.3	3228.7	3201.0	3129.1	3037.5	2974.2	2964.3
52.5°	3015.0	3030.2	3105.4	3208.2	3307.8	3346.0	3307.8	3211.5	3105.4	3032.2	3015.0
55°	3019.0	3028.9	3119.2	3246.5	3354.6	3392.2	3359.2	3247.1	3122.5	3033.5	3021.0
57.5°	2973.5	2984.7	3080.3	3226.7	3334.1	3367.1	3334.8	3228.7	3088.9	2991.3	2980.1
60°	2891.7	2903.0	3002.5	3154.8	3270.2	3320.3	3272.8	3158.1	3012.4	2910.9	2898.3
62.5°	2802.7	2823.8	2938.6	3090.2	3204.9	3257.7	3210.2	3092.8	2945.1	2831.7	2812.6
65°	2662.3	2671.5	2794.8	2959.0	3100.1	3138.3	3100.7	2963.6	2815.9	2679.4	2672.2
67.5°	2519.9	2537.0	2639.2	2822.5	2959.0	2995.3	2958.3	2821.9	2652.4	2542.3	2529.8
70°	2283.2	2303.0	2446.7	2604.3	2733.5	2796.8	2737.5	2606.3	2469.1	2310.9	2300.3
72.5°	2064.3	2084.7	2183.6	2361.0	2492.2	2519.2	2500.8	2364.3	2204.1	2099.3	2084.7
75°	1778.2	1785.4	1912.7	2063.0	2184.3	2213.3	2190.2	2061.0	1936.4	1801.9	1780.8
77.5°	1480.8	1495.3	1585.0	1713.6	1818.4	1870.5	1817.1	1720.8	1594.2	1496.0	1481.5
80°	1140.6	1156.4	1249.4	1366.1	1447.2	1488.7	1449.2	1362.8	1258.0	1157.8	1150.5
82.5°	804.4	805.0	897.3	973.8	1054.9	1078.6	1056.2	989.6	903.9	812.3	813.6
85°	455.6	460.2	523.5	593.4	640.2	671.8	646.8	597.3	530.1	466.1	460.2
87.5°	103.5	102.9	135.8	176.0	228.1	227.5	222.8	182.0	139.8	101.5	100.2
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)