

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: P543148

Luminaire Tested: **TT-D7-830-U-5CQ-PM**

Issue Date: 6/22/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P543148  
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-D7-830-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: 12307 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

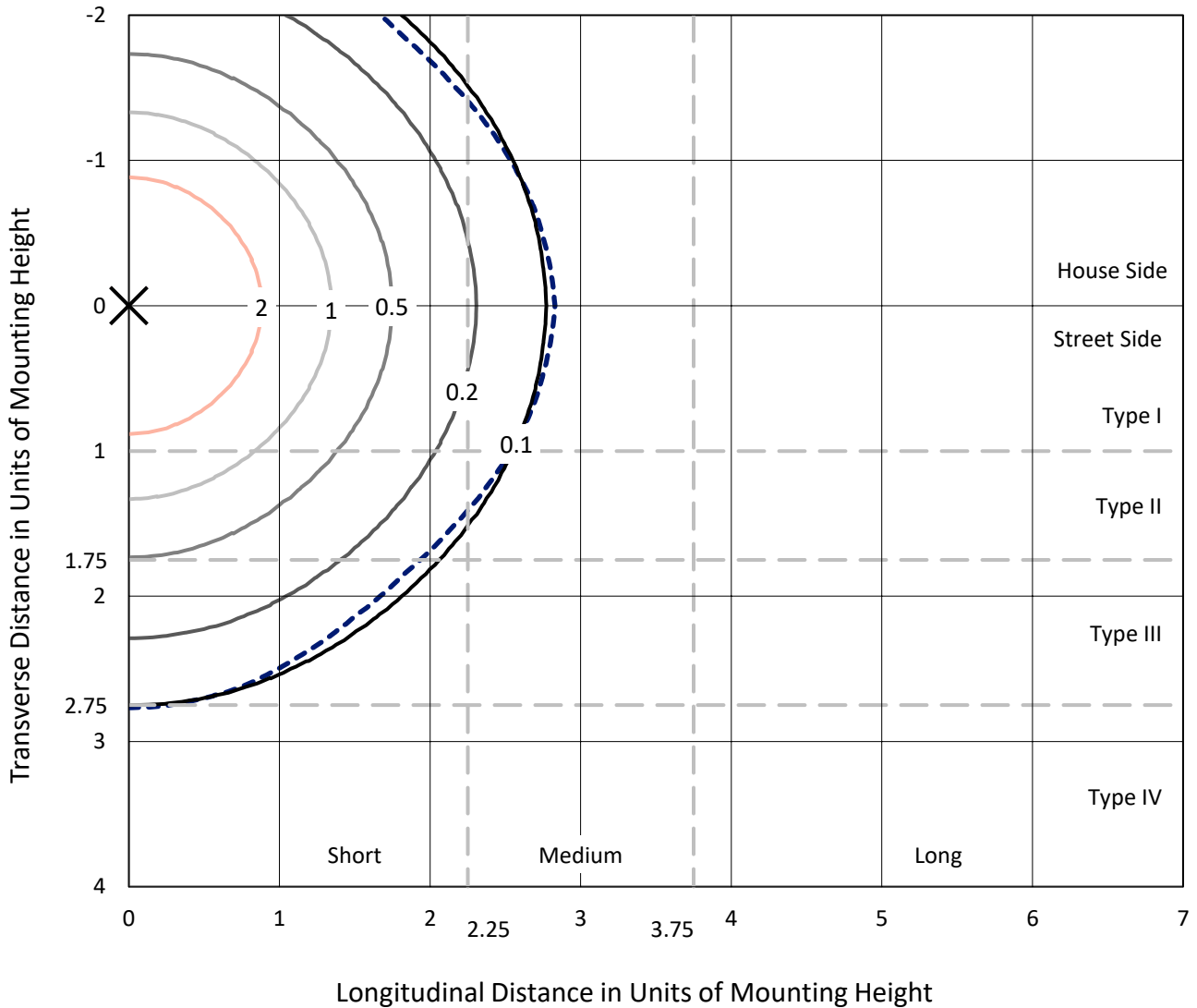
Input Watts (W): 124.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

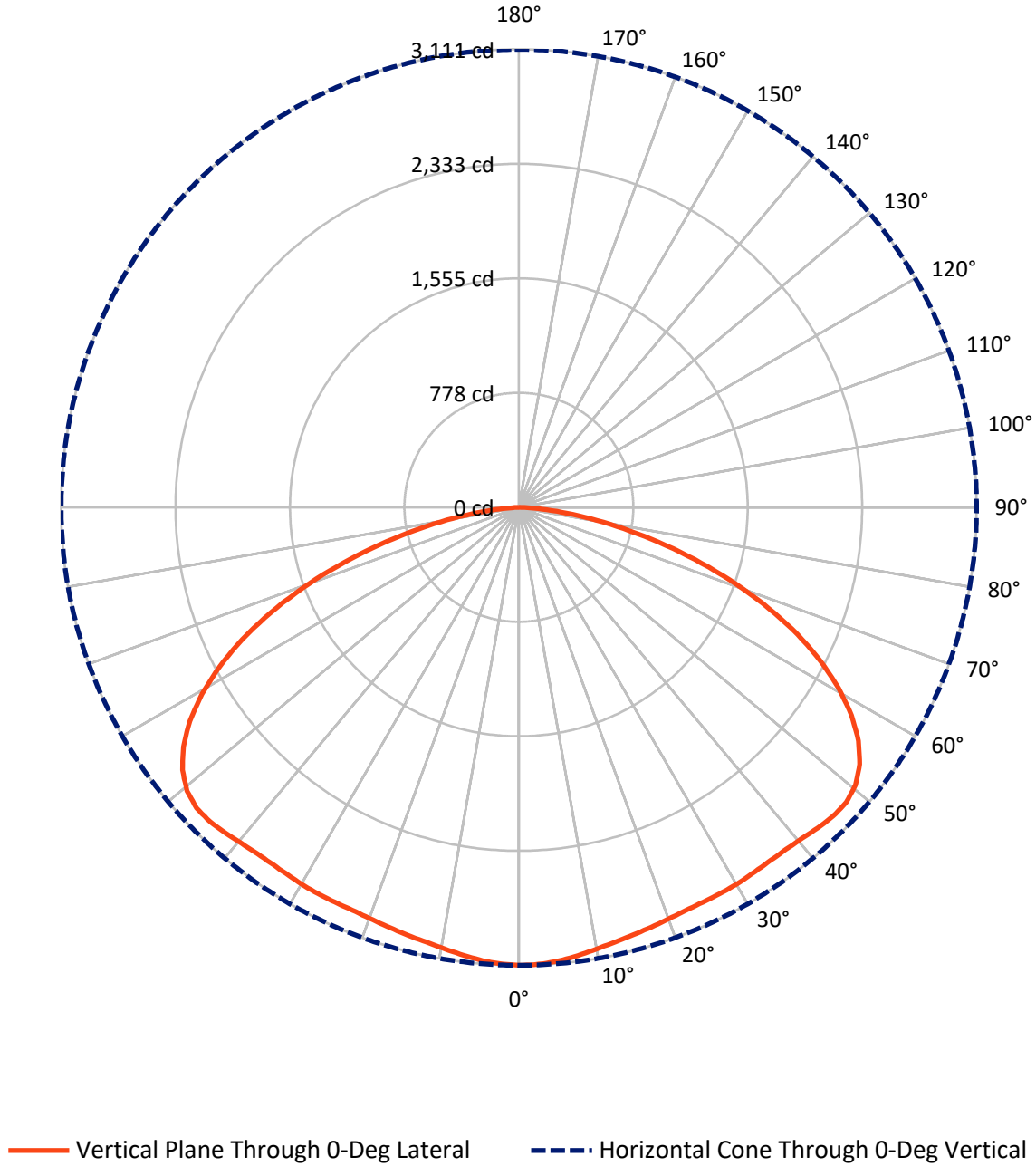
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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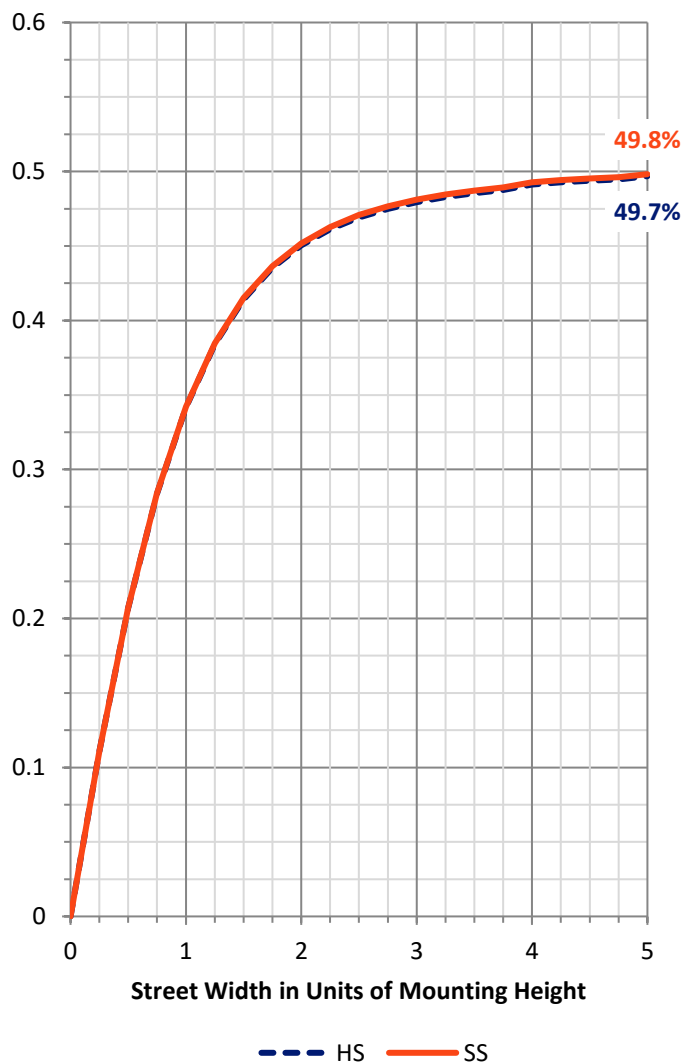
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6153.5	0.0	6153.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6153.5	0.0	6153.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12307.0	0.0	12307.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.1	2.4
10°-20°	848.8	6.9
20°-30°	1364.2	11.1
30°-40°	1836.7	14.9
40°-50°	2272.5	18.5
50°-60°	2437.8	19.8
60°-70°	1986.6	16.1
70°-80°	1059.8	8.6
80°-90°	207.5	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°	12307.0	100.0
0°-180°	12307.0	100.0

**Coefficient of Utilization**

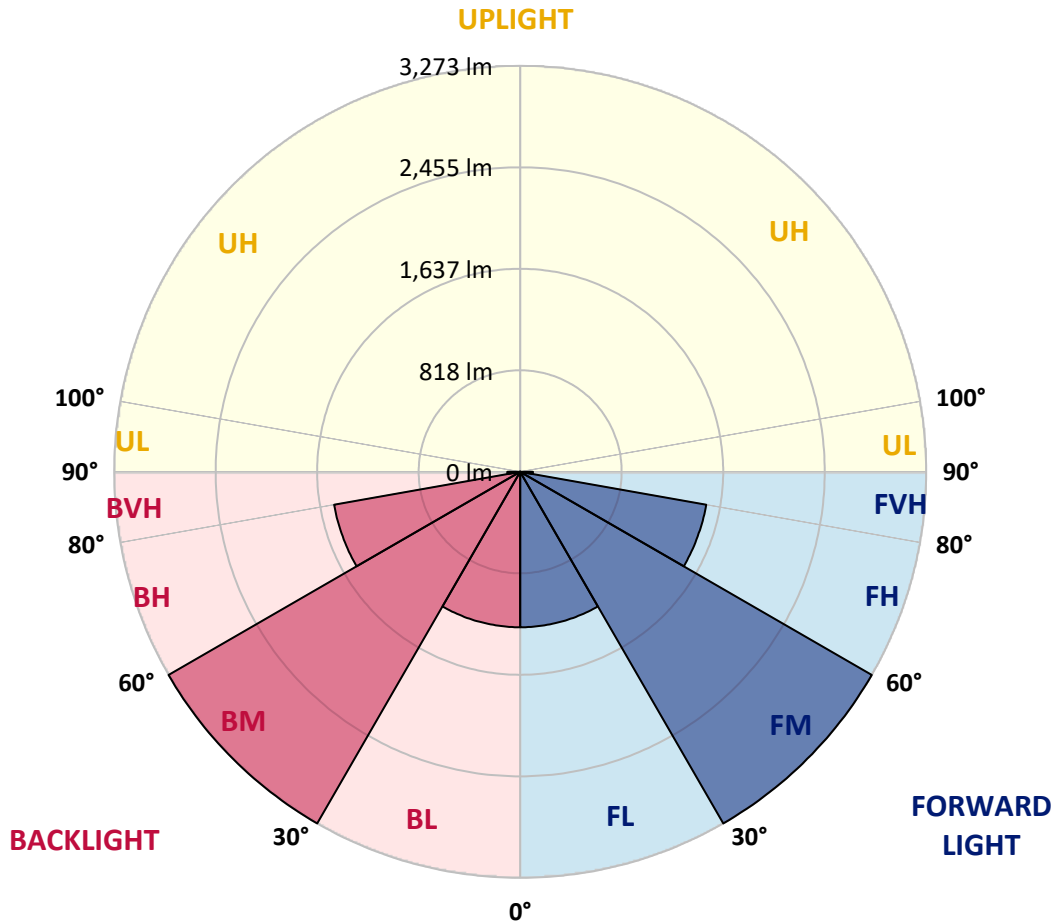


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.0	10.2			
FM (30°-60°)	3273.5	26.6			
FH (60°-80°)	1523.2	12.4			G1/1800
FVH (80°-90°)	103.8	0.8			G2/225
BL (0°-30°)	1253.0	10.2	B3/2500		
BM (30°-60°)	3273.5	26.6	B3/5000		
BH (60°-80°)	1523.2	12.4	B3/2500		G1/1800
BVH (80°-90°)	103.8	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°	3110.8	3110.8	3110.8	3110.8	3110.8	3110.8	3110.8	3110.8	3110.8	3110.8	3110.8
2.5°	3105.1	3105.1	3104.6	3103.5	3101.8	3100.6	3101.2	3102.9	3104.6	3105.1	3105.7
5°	3089.4	3090.5	3088.8	3086.6	3084.9	3084.3	3083.8	3086.0	3087.7	3088.3	3088.8
7.5°	3066.3	3068.0	3066.9	3064.6	3062.4	3061.2	3061.2	3062.4	3064.0	3065.7	3065.7
10°	3041.5	3041.5	3041.0	3038.7	3036.5	3034.8	3035.3	3036.5	3038.7	3040.4	3041.0
12.5°	3019.6	3020.1	3018.4	3015.1	3011.7	3010.0	3010.0	3012.8	3016.2	3017.9	3019.0
15°	3002.7	3003.2	3001.5	2996.5	2992.5	2991.4	2992.5	2994.8	2998.2	3000.4	3001.0
17.5°	2986.9	2987.5	2985.2	2979.6	2976.2	2974.5	2974.5	2977.9	2982.4	2984.1	2984.7
20°	2972.3	2971.7	2968.9	2962.7	2958.2	2955.9	2957.1	2961.6	2967.2	2970.0	2970.0
22.5°	2961.6	2961.0	2957.1	2950.3	2945.2	2941.3	2943.6	2949.2	2955.9	2961.0	2961.0
25°	2959.3	2958.2	2952.0	2944.1	2935.7	2932.3	2935.7	2943.6	2952.0	2958.2	2959.3
27.5°	2958.8	2957.1	2950.3	2939.6	2931.2	2928.4	2931.2	2940.7	2951.4	2958.8	2959.3
30°	2955.9	2954.8	2945.8	2934.0	2923.8	2920.5	2924.4	2935.1	2946.9	2953.7	2955.4
32.5°	2949.2	2947.5	2938.5	2925.0	2913.7	2909.2	2913.2	2925.5	2937.4	2946.9	2948.1
35°	2945.8	2944.7	2933.4	2916.5	2903.6	2896.8	2902.5	2915.4	2929.5	2940.7	2942.4
37.5°	2948.6	2946.9	2934.5	2914.8	2897.4	2890.1	2895.1	2910.3	2927.8	2940.7	2943.0
40°	2959.3	2957.1	2941.9	2918.2	2895.7	2887.3	2893.4	2912.6	2935.1	2949.7	2953.7
42.5°	2977.9	2975.6	2955.4	2925.5	2897.4	2887.3	2897.4	2922.7	2952.0	2971.1	2974.0
45°	2993.7	2991.4	2968.3	2931.7	2899.6	2887.8	2901.9	2936.2	2975.1	3000.4	3003.8
47.5°	2994.8	2991.4	2963.8	2922.7	2886.7	2876.0	2896.8	2939.6	2988.6	3021.3	3025.2
50°	2965.5	2962.1	2929.5	2883.9	2845.6	2835.5	2867.0	2919.9	2977.3	3014.5	3019.6
52.5°	2900.2	2896.8	2862.5	2811.2	2770.7	2762.8	2801.7	2861.9	2924.4	2966.1	2971.7
55°	2800.0	2794.9	2761.1	2705.4	2659.8	2655.8	2696.4	2760.6	2828.1	2868.7	2878.2
57.5°	2666.0	2660.3	2624.3	2564.6	2519.6	2514.5	2555.6	2621.5	2693.0	2731.9	2742.0
60°	2497.6	2497.1	2456.5	2396.3	2353.5	2346.2	2382.8	2450.3	2519.6	2560.7	2570.3
62.5°	2302.8	2302.8	2262.3	2208.2	2159.8	2152.5	2186.8	2253.3	2317.5	2358.0	2370.4
65°	2081.0	2076.5	2045.5	1989.2	1940.8	1935.2	1968.9	2021.9	2087.7	2126.0	2137.8
67.5°	1833.8	1828.7	1806.8	1753.3	1711.6	1699.8	1728.5	1782.6	1840.0	1877.2	1885.0
70°	1570.3	1568.1	1545.5	1497.7	1458.8	1449.8	1476.3	1522.5	1570.9	1601.3	1614.2
72.5°	1299.5	1300.6	1277.0	1237.6	1210.5	1201.5	1219.0	1251.1	1305.1	1324.8	1335.5
75°	1032.0	1030.9	1016.3	982.5	957.2	945.9	963.9	995.4	1020.8	1046.1	1058.5
77.5°	775.3	773.6	765.7	737.6	720.7	712.2	721.8	743.8	765.2	787.1	790.5
80°	538.3	538.8	529.8	512.4	494.3	493.2	501.1	512.4	529.8	544.5	546.7
82.5°	328.8	329.9	322.6	315.9	300.7	300.7	306.3	316.4	325.4	337.3	333.9
85°	156.5	156.5	154.8	149.2	144.1	142.4	145.3	149.2	153.1	158.8	159.3
87.5°	38.3	38.8	39.4	37.2	34.3	33.2	34.9	36.6	38.8	42.2	40.5
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)