

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: P543150

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

Issue Date: 6/22/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P543150  
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-D7-830-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: 12854 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G3

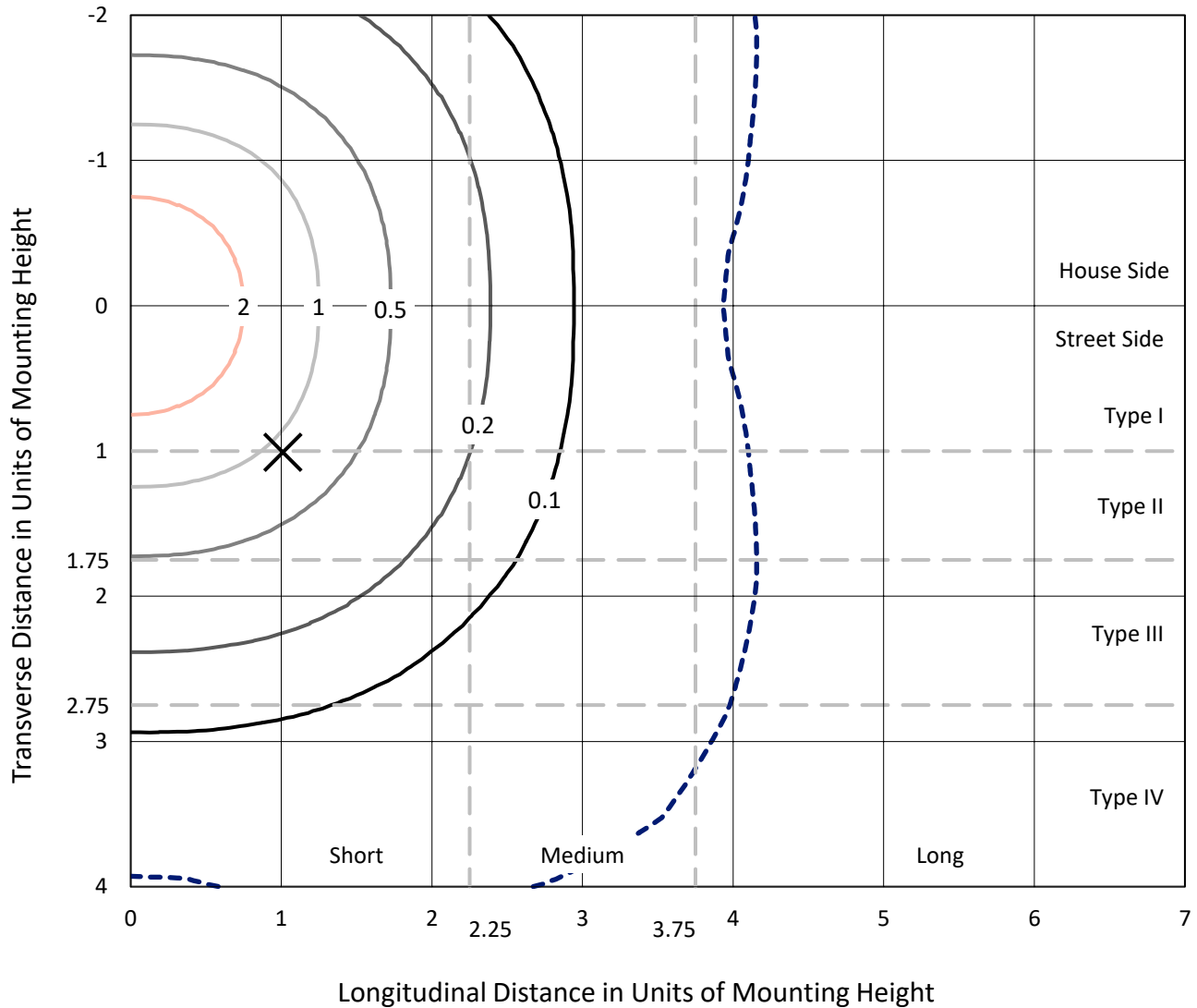
Input Watts (W): 124.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

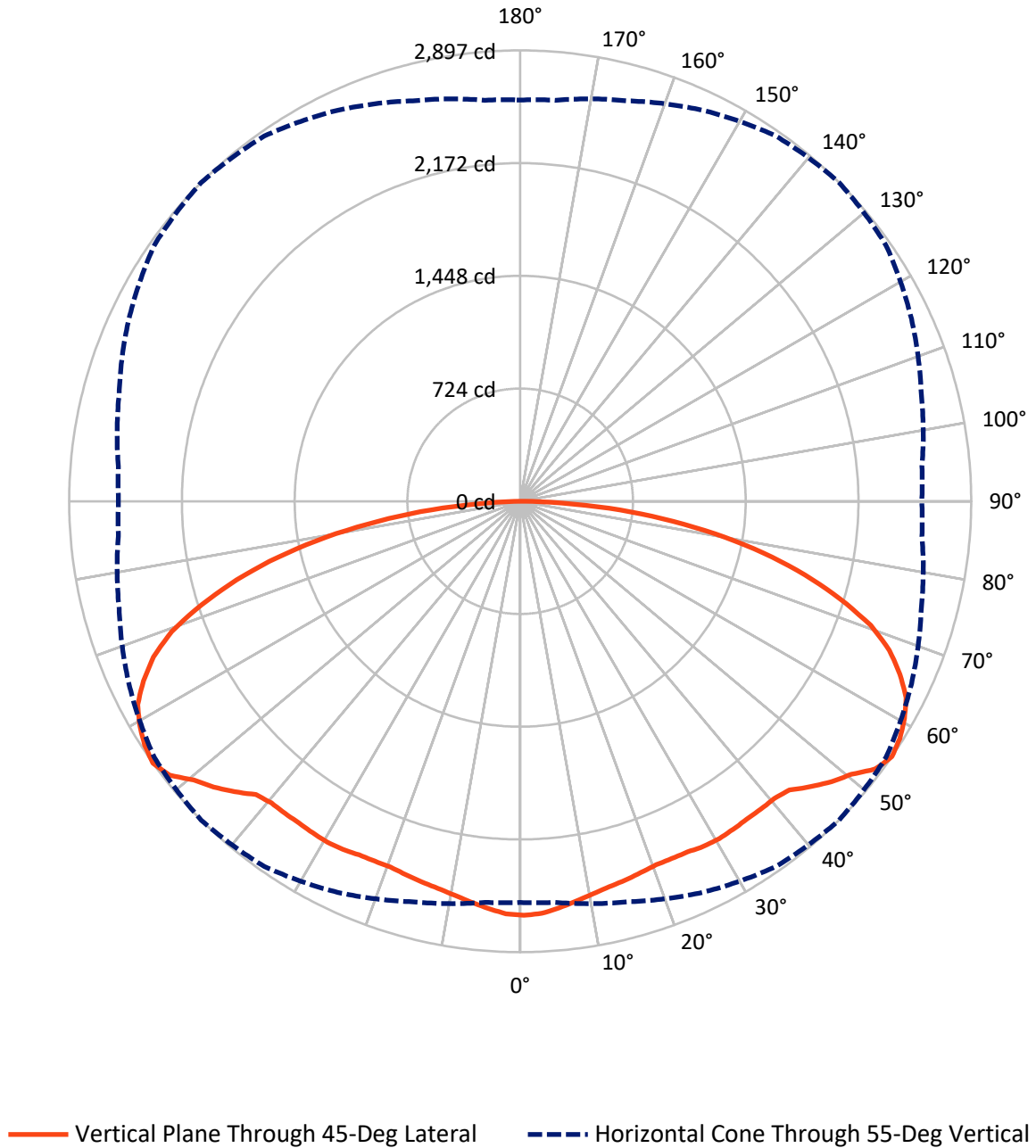
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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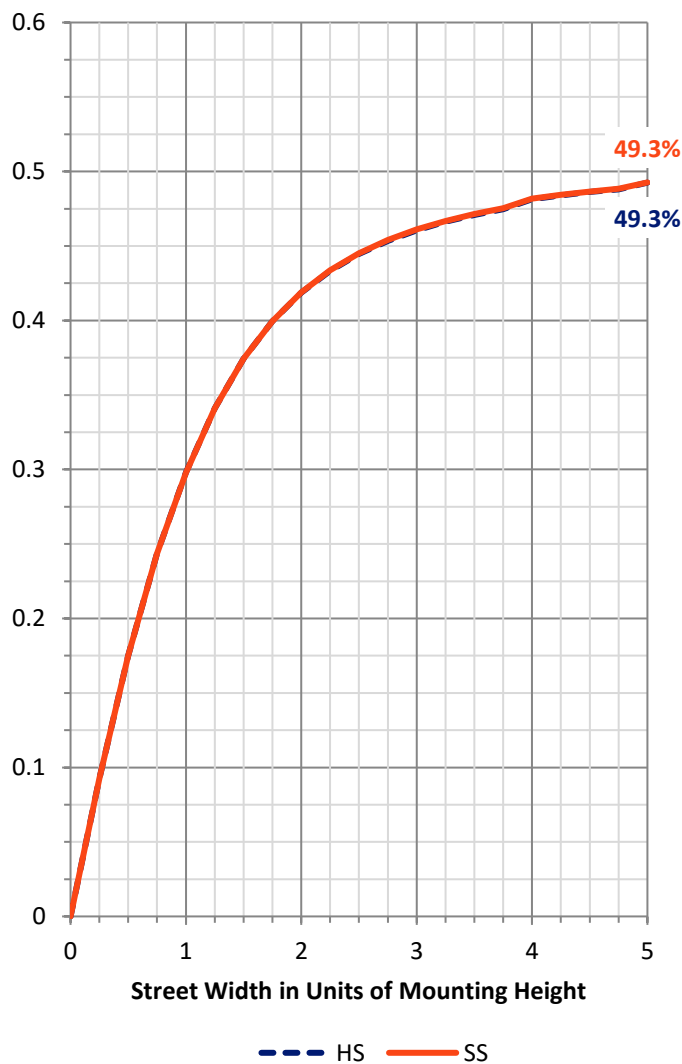
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6427.0	0.0	6427.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6427.0	0.0	6427.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12854.0	0.0	12854.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.3	1.9
10°-20°	713.2	5.5
20°-30°	1149.2	8.9
30°-40°	1557.3	12.1
40°-50°	1974.2	15.4
50°-60°	2428.7	18.9
60°-70°	2446.3	19.0
70°-80°	1790.3	13.9
80°-90°	546.5	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°	12854.0	100.0
0°-180°	12854.0	100.0

**Coefficient of Utilization**



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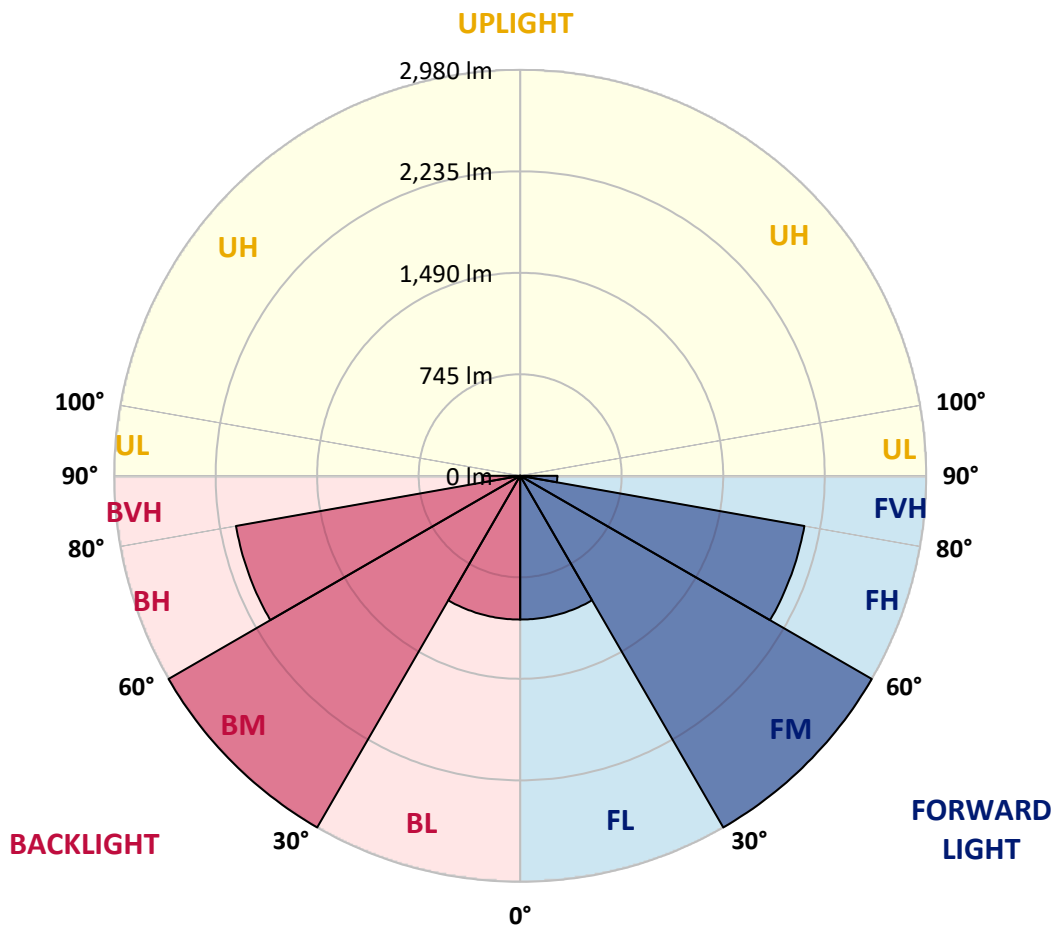
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.3	8.2			
FM (30°-60°)	2980.1	23.2			
FH (60°-80°)	2118.3	16.5			G2/5000
FVH (80°-90°)	273.3	2.1			G3/500
BL (0°-30°)	1055.3	8.2	B3/2500		
BM (30°-60°)	2980.1	23.2	B3/5000		
BH (60°-80°)	2118.3	16.5	B3/2500		G2/5000
BVH (80°-90°)	273.3	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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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2647.8	2649.5	2648.9	2650.0	2650.0	2651.2	2650.0	2651.2	2649.5	2650.0	2650.0
5°	2619.1	2621.3	2619.6	2622.4	2623.0	2623.6	2621.9	2621.9	2620.2	2620.2	2620.8
7.5°	2588.1	2589.2	2589.2	2592.0	2593.7	2593.7	2592.0	2589.8	2588.7	2587.0	2587.0
10°	2558.3	2559.9	2559.4	2562.2	2564.5	2565.0	2562.8	2558.8	2557.1	2556.0	2556.0
12.5°	2532.4	2534.1	2535.2	2538.6	2541.9	2541.9	2540.8	2536.3	2533.5	2531.8	2531.2
15°	2513.2	2514.9	2515.5	2520.5	2523.9	2525.6	2523.4	2518.9	2515.5	2513.2	2512.1
17.5°	2494.1	2495.2	2498.0	2502.5	2505.9	2508.2	2505.9	2501.4	2496.9	2493.0	2491.8
20°	2475.5	2476.1	2480.0	2486.2	2490.7	2493.0	2490.7	2483.9	2477.2	2473.8	2473.2
22.5°	2467.1	2468.2	2473.2	2482.3	2488.4	2493.0	2487.3	2478.9	2471.0	2465.4	2464.8
25°	2461.4	2462.0	2468.7	2481.1	2492.4	2495.8	2491.8	2480.0	2467.6	2460.3	2459.7
27.5°	2466.5	2468.7	2477.8	2490.1	2504.8	2510.4	2506.5	2489.6	2476.1	2467.6	2465.9
30°	2465.4	2467.1	2477.2	2491.3	2504.8	2516.0	2508.2	2490.1	2474.4	2465.9	2464.8
32.5°	2462.0	2464.2	2473.2	2485.1	2504.2	2512.1	2504.8	2483.9	2470.4	2464.2	2462.0
35°	2447.9	2451.9	2464.8	2482.3	2499.7	2507.6	2499.1	2481.7	2463.1	2453.0	2451.9
37.5°	2442.3	2445.1	2458.0	2478.3	2501.4	2509.8	2498.6	2477.8	2456.9	2445.7	2442.8
40°	2433.3	2437.8	2453.5	2477.2	2503.7	2511.5	2502.5	2478.3	2454.7	2436.1	2431.0
42.5°	2433.3	2437.2	2459.2	2491.8	2521.1	2535.2	2521.1	2493.5	2460.3	2434.4	2430.5
45°	2472.1	2477.2	2504.8	2553.2	2598.8	2615.7	2598.2	2556.0	2505.9	2476.1	2468.2
47.5°	2505.3	2512.7	2554.3	2615.7	2672.5	2691.7	2670.9	2616.8	2554.9	2512.7	2505.3
50°	2530.1	2538.6	2592.6	2670.3	2731.1	2757.0	2733.4	2672.0	2593.7	2539.7	2531.2
52.5°	2574.6	2587.5	2651.7	2739.5	2824.6	2857.2	2824.6	2742.4	2651.7	2589.2	2574.6
55°	2578.0	2586.4	2663.5	2772.2	2864.5	2896.6	2868.5	2772.8	2666.4	2590.4	2579.7
57.5°	2539.1	2548.7	2630.3	2755.3	2847.1	2875.2	2847.6	2757.0	2637.6	2554.3	2544.7
60°	2469.3	2478.9	2563.9	2693.9	2792.5	2835.3	2794.7	2696.8	2572.3	2485.6	2474.9
62.5°	2393.3	2411.3	2509.3	2638.8	2736.7	2781.8	2741.2	2641.0	2514.9	2418.1	2401.7
65°	2273.4	2281.3	2386.5	2526.7	2647.2	2679.9	2647.8	2530.7	2404.6	2288.0	2281.8
67.5°	2151.8	2166.4	2253.7	2410.2	2526.7	2557.7	2526.2	2409.6	2264.9	2170.9	2160.2
70°	1949.7	1966.6	2089.3	2223.8	2334.2	2388.2	2337.6	2225.5	2108.4	1973.3	1964.3
72.5°	1762.7	1780.2	1864.6	2016.1	2128.1	2151.2	2135.4	2018.9	1882.1	1792.6	1780.2
75°	1518.4	1524.6	1633.3	1761.6	1865.2	1890.0	1870.3	1759.9	1653.5	1538.7	1520.7
77.5°	1264.5	1276.9	1353.4	1463.2	1552.7	1597.2	1551.6	1469.4	1361.3	1277.4	1265.1
80°	974.0	987.5	1066.9	1166.5	1235.8	1271.2	1237.5	1163.7	1074.2	988.6	982.4
82.5°	686.9	687.4	766.2	831.5	900.8	921.1	901.9	845.1	771.9	693.6	694.7
85°	389.0	393.0	447.0	506.7	546.7	573.7	552.3	510.1	452.7	398.0	393.0
87.5°	88.4	87.8	116.0	150.3	194.8	194.2	190.3	155.4	119.4	86.7	85.6
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)