

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: P382137

Luminaire Tested: **TT-D6-740-U-5MQ-PM**

Issue Date: 2/12/2020

Test Information

Test Method: LM-79-08
Report Number: P382137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/12/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D6-740-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: 13253 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

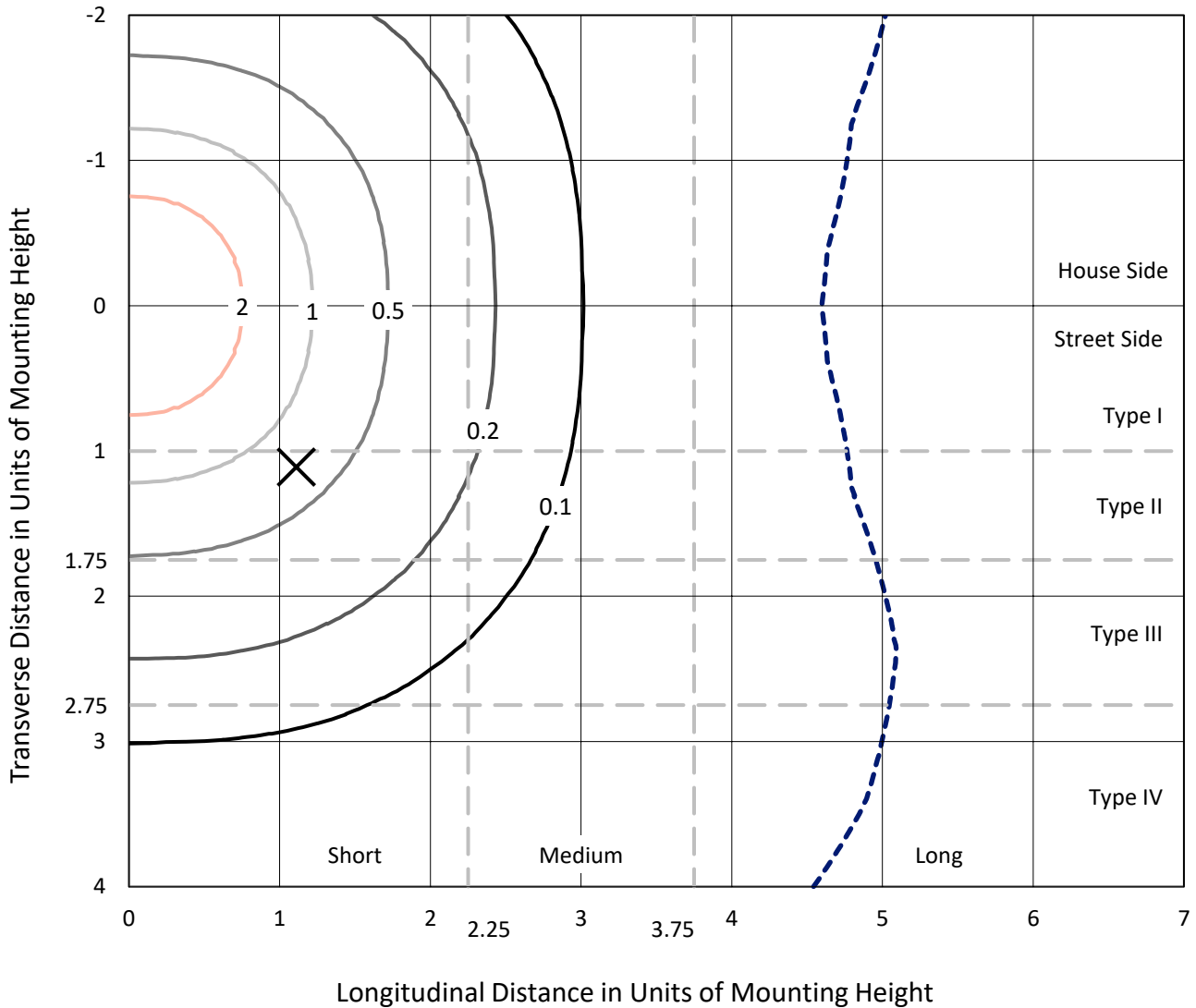
Input Watts (W): 105.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

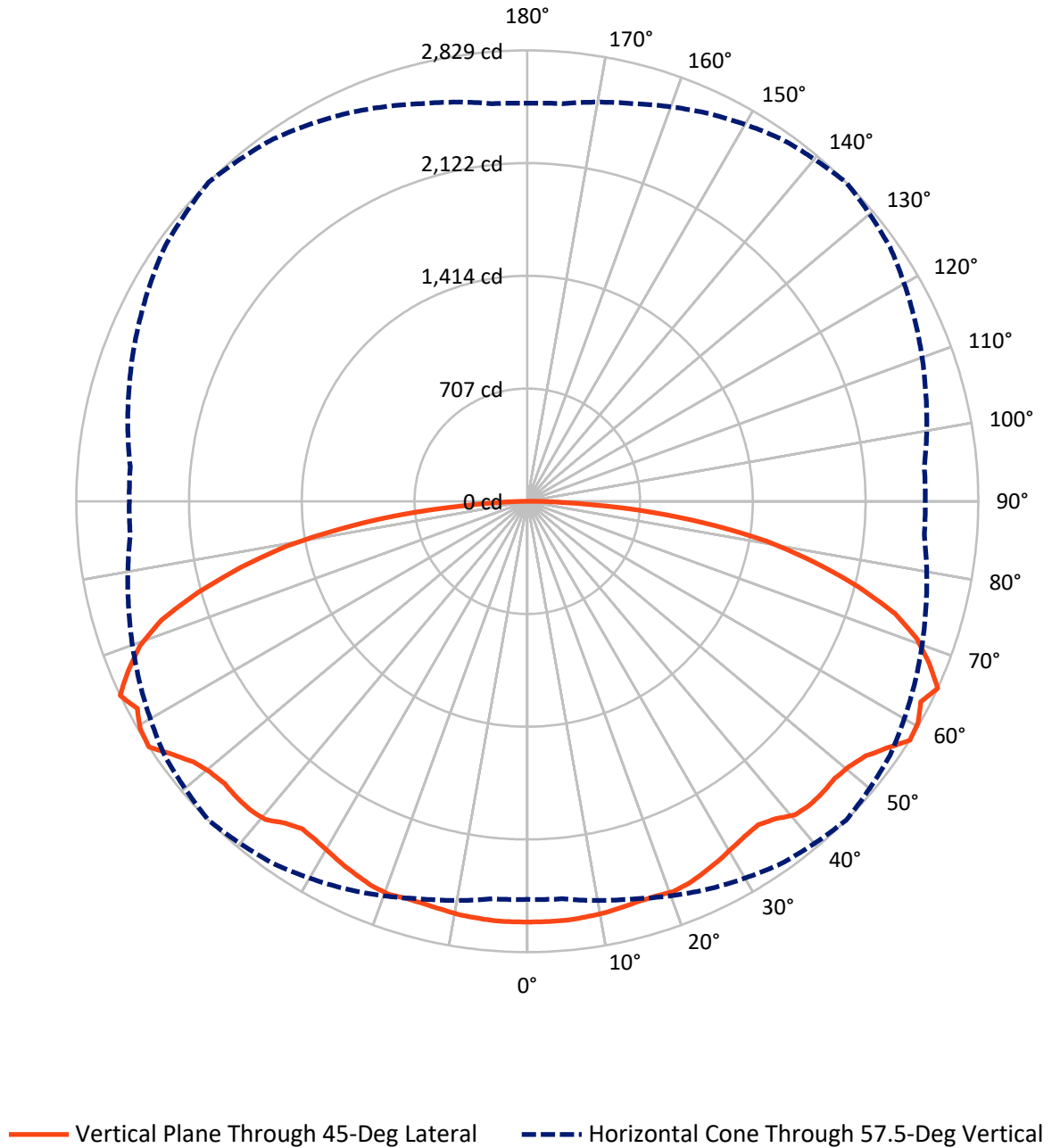
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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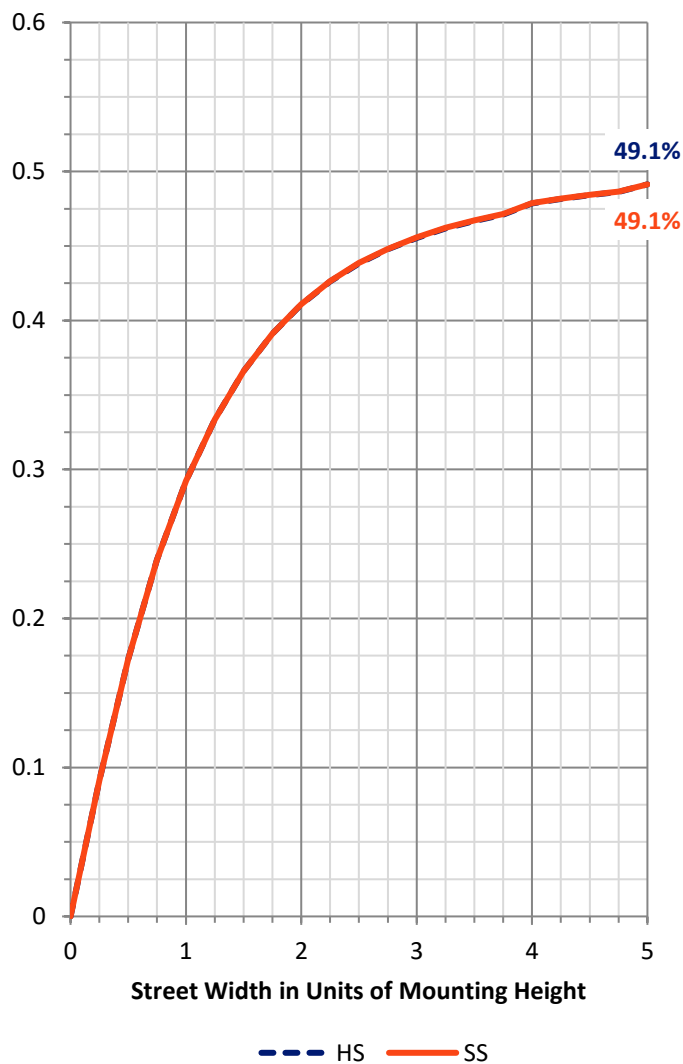
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6626.5	0.0	6626.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6626.5	0.0	6626.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13253.0	0.0	13253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	1.9
10°-20°	739.8	5.6
20°-30°	1188.8	9.0
30°-40°	1569.4	11.8
40°-50°	1963.5	14.8
50°-60°	2335.4	17.6
60°-70°	2533.0	19.1
70°-80°	2016.2	15.2
80°-90°	655.4	4.9
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°	13253.0	100.0
0°-180°	13253.0	100.0

Coefficient of Utilization



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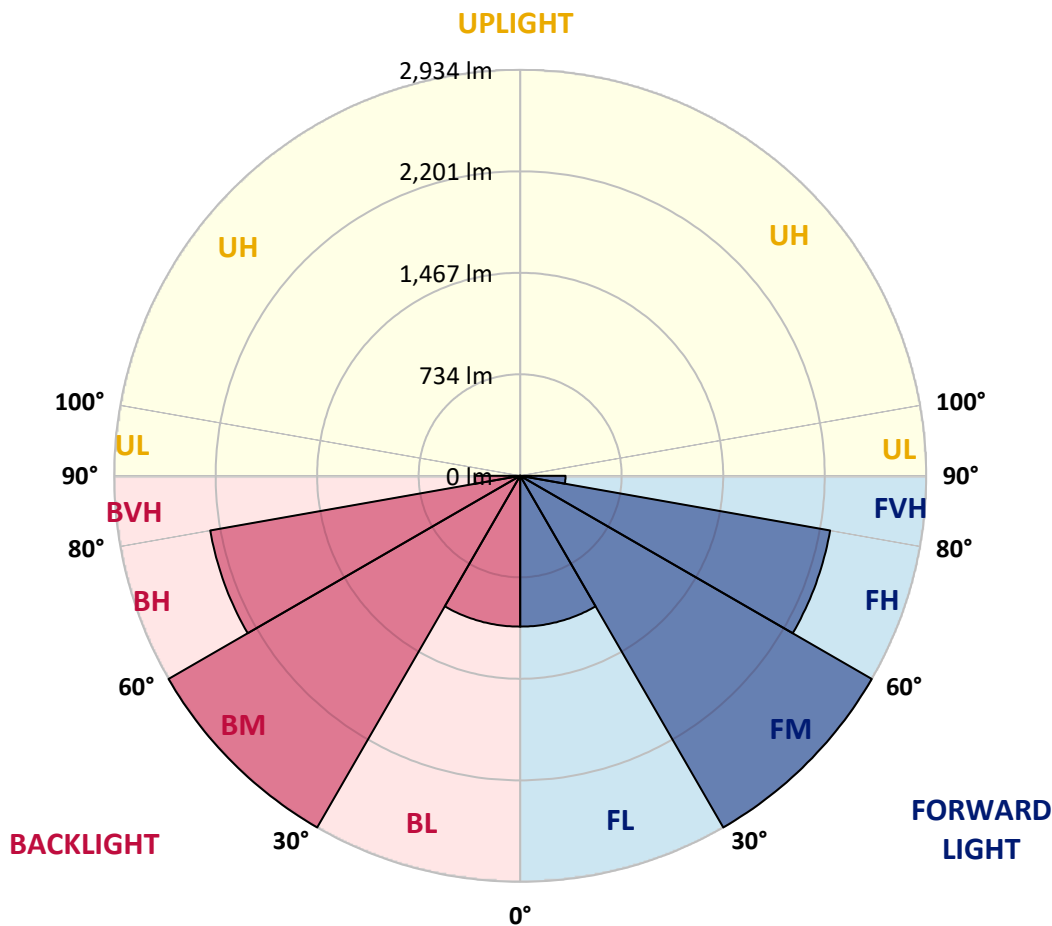
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1090.1	8.2			
FM (30°-60°)	2934.2	22.1			
FH (60°-80°)	2274.6	17.2			G2/5000
FVH (80°-90°)	327.7	2.5			G3/500
BL (0°-30°)	1090.1	8.2	B3/2500		
BM (30°-60°)	2934.2	22.1	B3/5000		
BH (60°-80°)	2274.6	17.2	B3/2500		G2/5000
BVH (80°-90°)	327.7	2.5			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°	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6
2.5°	2643.5	2641.6	2643.5	2641.6	2641.6	2639.6	2641.6	2641.6	2641.6	2641.6	2641.6
5°	2641.6	2639.6	2639.6	2641.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6	2639.6
7.5°	2633.7	2633.7	2635.6	2633.7	2633.7	2633.7	2633.7	2633.7	2633.7	2635.6	2635.6
10°	2627.8	2625.8	2627.8	2627.8	2625.8	2627.8	2625.8	2627.8	2627.8	2627.8	2627.8
12.5°	2619.9	2617.9	2619.9	2619.9	2617.9	2615.9	2617.9	2617.9	2619.9	2619.9	2619.9
15°	2606.1	2606.1	2610.0	2608.0	2608.0	2606.1	2610.0	2608.0	2606.1	2608.0	2608.0
17.5°	2596.2	2596.2	2600.2	2604.1	2604.1	2604.1	2604.1	2602.1	2598.2	2600.2	2596.2
20°	2598.2	2600.2	2602.1	2608.0	2612.0	2614.0	2614.0	2608.0	2602.1	2604.1	2602.1
22.5°	2592.3	2590.3	2592.3	2596.2	2602.1	2602.1	2602.1	2594.2	2592.3	2590.3	2590.3
25°	2568.6	2568.6	2572.6	2576.5	2580.4	2578.5	2580.4	2576.5	2572.6	2568.6	2568.6
27.5°	2541.0	2541.0	2546.9	2550.9	2554.8	2554.8	2552.9	2548.9	2546.9	2543.0	2541.0
30°	2513.4	2513.4	2519.3	2523.3	2529.2	2527.2	2527.2	2521.3	2515.4	2511.5	2511.5
32.5°	2483.9	2481.9	2487.8	2497.7	2505.5	2505.5	2505.5	2493.7	2485.8	2481.9	2479.9
35°	2458.2	2458.2	2466.1	2483.9	2493.7	2493.7	2489.8	2481.9	2464.1	2458.2	2458.2
37.5°	2450.3	2456.3	2477.9	2503.6	2523.3	2527.2	2521.3	2499.6	2476.0	2458.2	2452.3
40°	2476.0	2481.9	2509.5	2550.9	2580.4	2586.4	2580.4	2548.9	2507.5	2479.9	2477.9
42.5°	2479.9	2483.9	2517.4	2564.7	2592.3	2602.1	2592.3	2560.7	2515.4	2481.9	2479.9
45°	2466.1	2468.1	2507.5	2556.8	2590.3	2602.1	2590.3	2552.9	2505.5	2468.1	2466.1
47.5°	2448.4	2452.3	2495.7	2546.9	2588.3	2596.2	2586.4	2545.0	2491.7	2454.3	2448.4
50°	2434.6	2446.4	2485.8	2543.0	2592.3	2615.9	2592.3	2537.1	2483.9	2442.5	2434.6
52.5°	2442.5	2446.4	2497.7	2578.5	2645.5	2655.4	2643.5	2578.5	2493.7	2446.4	2440.5
55°	2466.1	2483.9	2539.1	2655.4	2716.5	2734.2	2708.6	2651.4	2541.0	2483.9	2466.1
57.5°	2497.7	2503.6	2582.4	2684.9	2775.6	2828.8	2777.6	2683.0	2588.3	2499.6	2495.7
60°	2472.0	2454.3	2552.9	2673.1	2795.3	2817.0	2787.4	2675.1	2548.9	2452.3	2470.1
62.5°	2403.0	2414.9	2495.7	2661.3	2746.0	2769.7	2738.2	2661.3	2491.7	2424.7	2397.1
65°	2347.8	2418.8	2507.5	2625.8	2761.8	2828.8	2763.8	2621.8	2511.5	2407.0	2341.9
67.5°	2271.0	2284.8	2416.8	2562.7	2684.9	2718.4	2683.0	2564.7	2405.0	2274.9	2284.8
70°	2140.8	2121.1	2255.2	2424.7	2541.0	2594.2	2545.0	2416.8	2249.3	2117.2	2134.9
72.5°	1926.0	1937.8	2062.0	2241.4	2361.6	2412.9	2363.6	2227.6	2058.1	1949.6	1937.8
75°	1701.2	1715.0	1835.3	1998.9	2121.1	2142.8	2129.0	1989.1	1839.2	1713.1	1701.2
77.5°	1445.0	1458.8	1557.3	1736.7	1809.7	1843.2	1813.6	1746.6	1553.4	1456.8	1441.0
80°	1161.1	1157.2	1243.9	1397.7	1488.3	1525.8	1488.3	1401.6	1240.0	1165.0	1139.4
82.5°	829.9	833.9	914.7	1021.1	1107.9	1119.7	1102.0	1031.0	906.8	843.7	808.2
85°	461.3	479.0	538.2	617.0	674.2	693.9	664.3	597.3	536.2	486.9	471.1
87.5°	110.4	120.3	140.0	177.4	199.1	218.8	199.1	185.3	132.1	120.3	110.4
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)