

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: P197651

Luminaire Tested: **TT-C6-LED-E1-5MQ-PM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197651  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TT-C6-LED-E1-5MQ-PM-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM DISTRIBUTION  
Light Source: (160) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12161 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

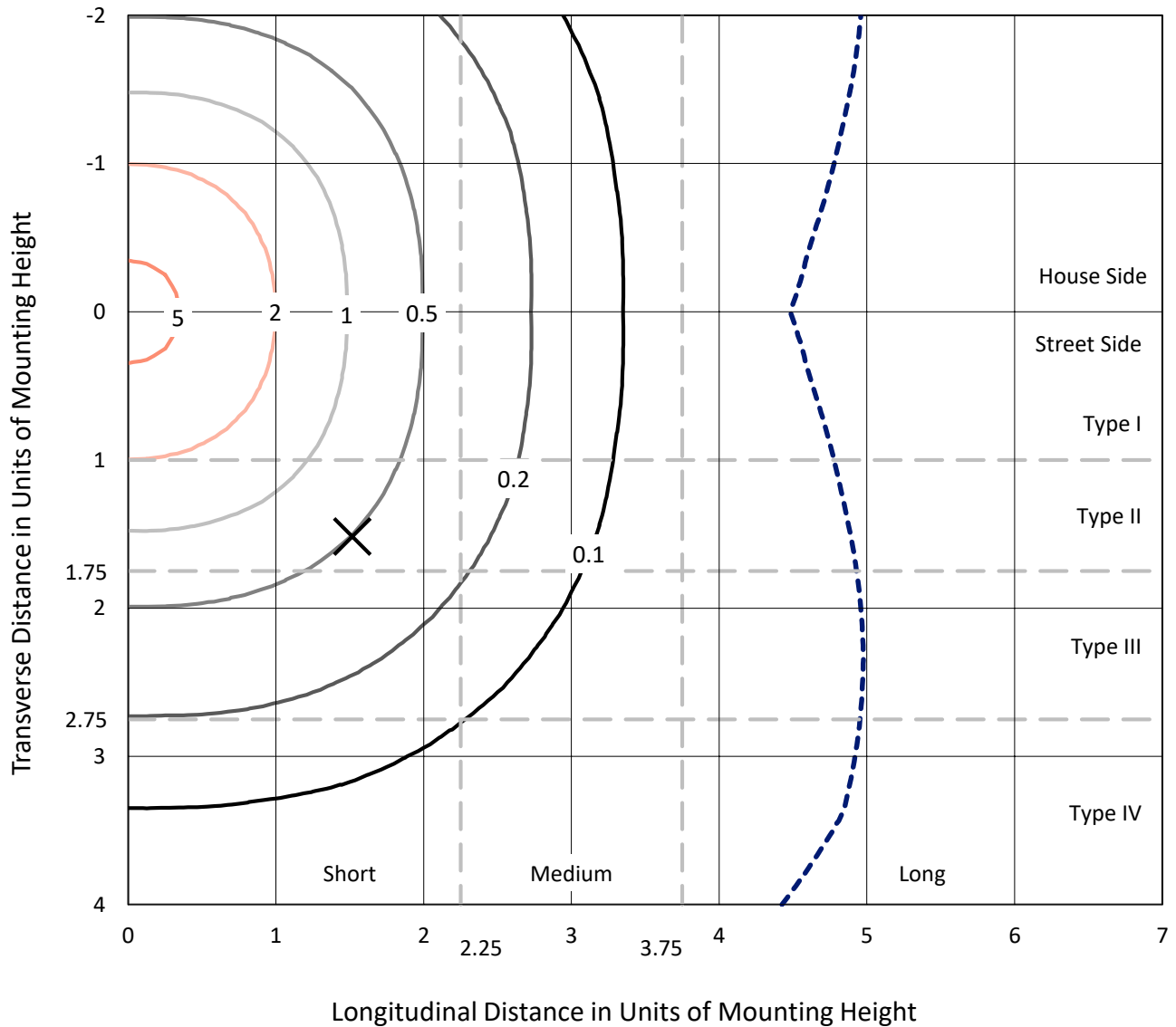
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

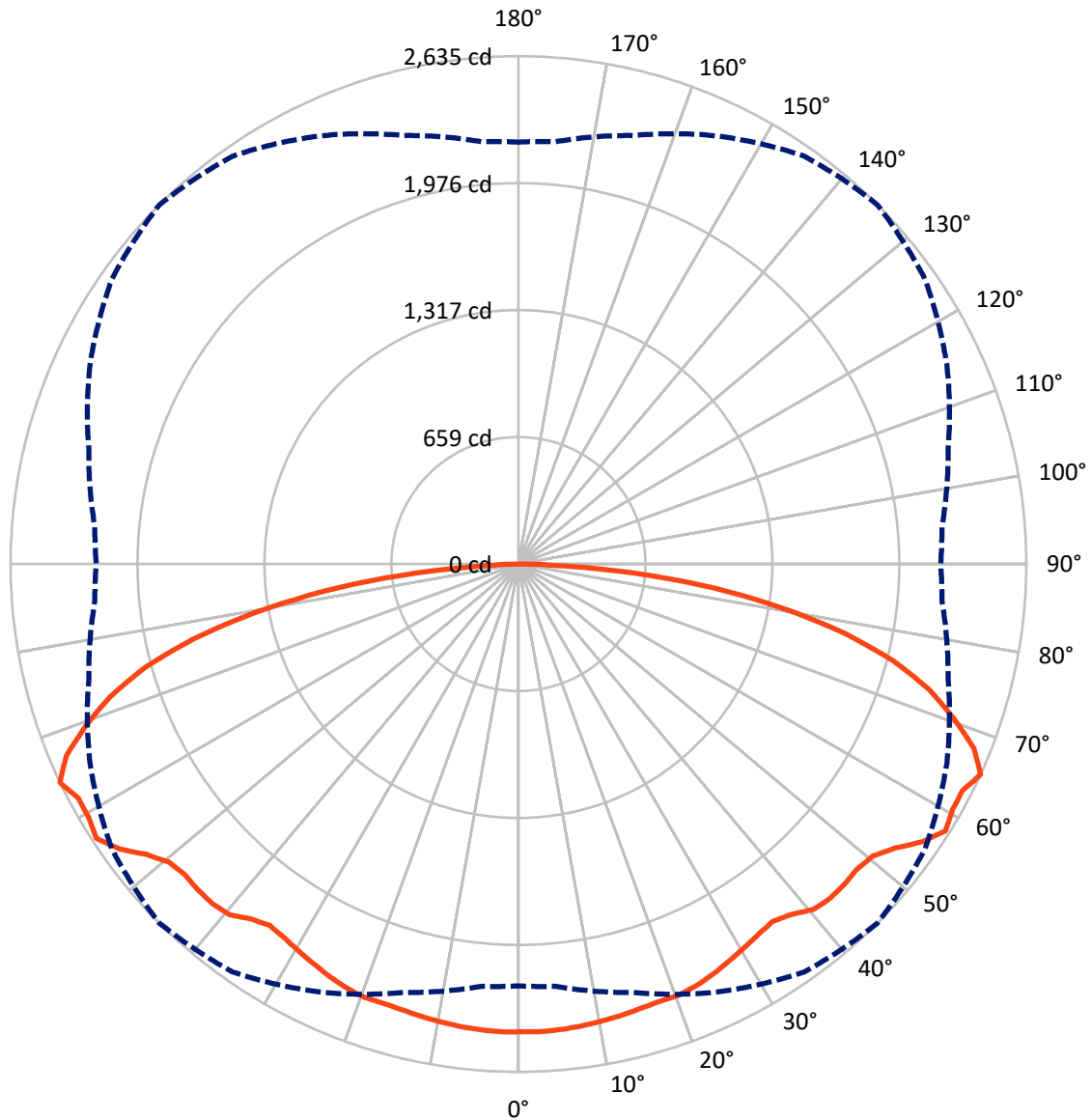
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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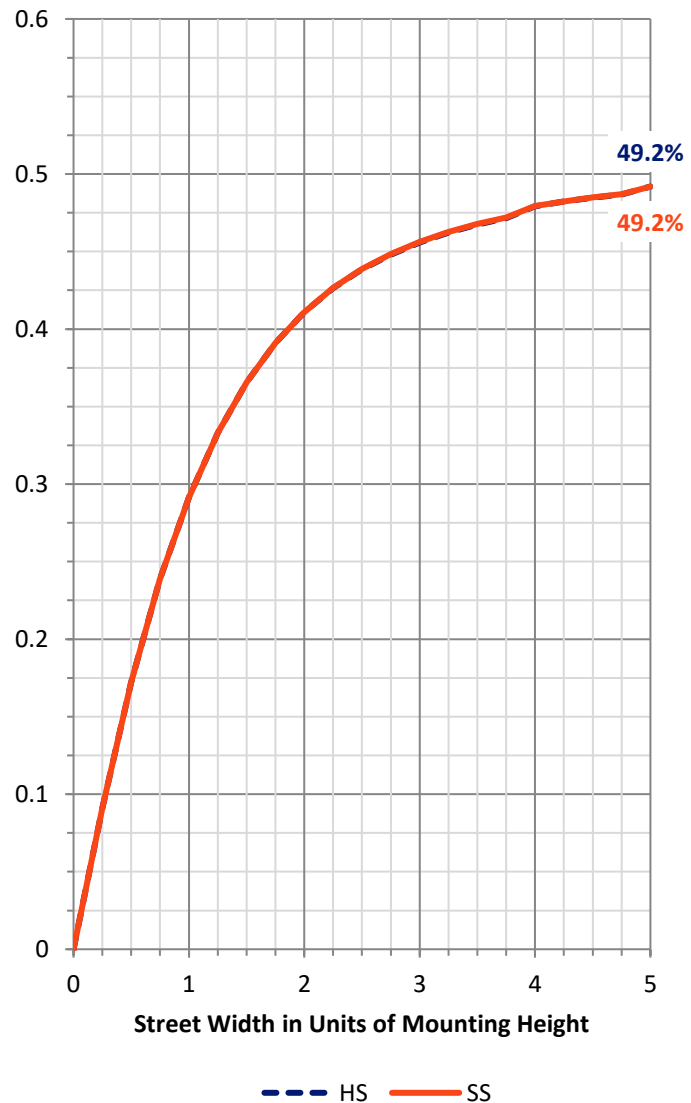
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6080.5	0.0	6080.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6080.5	0.0	6080.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12161.0	0.0	12161.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.9	1.9
10°-20°	677.4	5.6
20°-30°	1083.8	8.9
30°-40°	1431.6	11.8
40°-50°	1789.5	14.7
50°-60°	2148.5	17.7
60°-70°	2348.4	19.3
70°-80°	1865.9	15.3
80°-90°	585.1	4.8
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°	12161.0	100.0
0°-180°	12161.0	100.0



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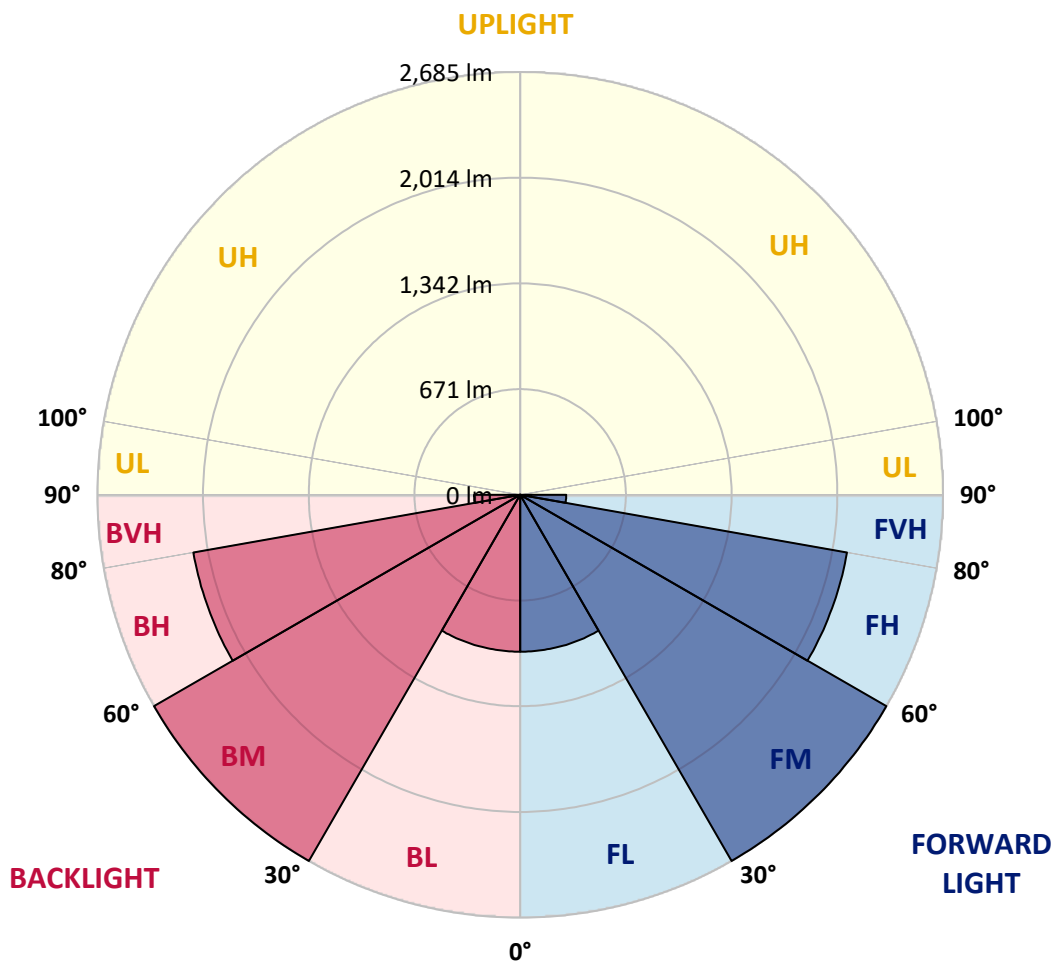
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	996.1	8.2			
FM	(30°-60°)	2684.8	22.1			
FH	(60°-80°)	2107.1	17.3			G2/5000
FVH	(80°-90°)	292.5	2.4			G3/500
BL	(0°-30°)	996.1	8.2	B2/1000		
BM	(30°-60°)	2684.8	22.1	B3/5000		
BH	(60°-80°)	2107.1	17.3	B3/2500		G2/5000
BVH	(80°-90°)	292.5	2.4			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°	2426.3	2426.3	2426.3	2426.3	2426.3	2426.3	2426.3	2426.3	2426.3	2426.3	2426.3
2.5°	2428.4	2428.4	2428.4	2428.4	2426.3	2428.4	2426.3	2426.3	2428.4	2428.4	2428.4
5°	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1	2424.1
7.5°	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8	2417.8
10°	2409.3	2411.4	2411.4	2411.4	2409.3	2409.3	2409.3	2411.4	2411.4	2409.3	2409.3
12.5°	2400.8	2400.8	2402.9	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8	2400.8	2398.6
15°	2388.0	2388.0	2390.1	2390.1	2390.1	2390.1	2390.1	2388.0	2388.0	2385.9	2385.9
17.5°	2377.4	2377.4	2381.6	2381.6	2383.8	2383.8	2383.8	2379.5	2379.5	2375.3	2375.3
20°	2375.3	2375.3	2377.4	2381.6	2383.8	2385.9	2383.8	2379.5	2375.3	2371.0	2371.0
22.5°	2360.4	2362.5	2366.8	2368.9	2373.1	2373.1	2373.1	2366.8	2364.6	2360.4	2360.4
25°	2341.3	2339.2	2345.5	2349.8	2354.0	2354.0	2351.9	2347.7	2345.5	2339.2	2339.2
27.5°	2311.5	2313.7	2317.9	2324.3	2330.7	2330.7	2328.5	2324.3	2320.0	2315.8	2313.7
30°	2286.0	2288.2	2292.4	2298.8	2303.0	2309.4	2303.0	2298.8	2292.4	2290.3	2288.2
32.5°	2258.4	2260.5	2266.9	2277.5	2283.9	2288.2	2283.9	2279.7	2269.0	2262.7	2260.5
35°	2239.3	2241.4	2247.8	2262.7	2275.4	2275.4	2275.4	2264.8	2252.0	2241.4	2239.3
37.5°	2241.4	2245.7	2260.5	2281.8	2303.0	2305.2	2303.0	2281.8	2262.7	2245.7	2243.5
40°	2258.4	2262.7	2288.2	2320.0	2347.7	2356.1	2349.8	2320.0	2290.3	2266.9	2260.5
42.5°	2256.3	2262.7	2290.3	2330.7	2358.3	2371.0	2358.3	2330.7	2294.5	2269.0	2260.5
45°	2247.8	2252.0	2281.8	2324.3	2358.3	2371.0	2360.4	2328.5	2288.2	2258.4	2252.0
47.5°	2235.0	2239.3	2262.7	2313.7	2351.9	2364.6	2354.0	2320.0	2269.0	2245.7	2241.4
50°	2218.1	2230.8	2269.0	2322.2	2373.1	2381.6	2375.3	2326.4	2273.3	2239.3	2222.3
52.5°	2235.0	2232.9	2277.5	2373.1	2419.9	2447.5	2426.3	2368.9	2288.2	2243.5	2239.3
55°	2273.3	2290.3	2339.2	2428.4	2504.9	2543.1	2513.4	2434.8	2343.4	2288.2	2277.5
57.5°	2271.2	2292.4	2379.5	2468.8	2585.6	2611.1	2577.1	2479.4	2375.3	2303.0	2275.4
60°	2258.4	2266.9	2332.8	2492.1	2558.0	2587.7	2558.0	2481.5	2349.8	2269.0	2269.0
62.5°	2215.9	2230.8	2334.9	2445.4	2538.9	2585.6	2549.5	2453.9	2332.8	2245.7	2218.1
65°	2188.3	2198.9	2300.9	2449.6	2583.5	2634.5	2575.0	2451.8	2307.3	2205.3	2190.4
67.5°	2101.2	2120.3	2215.9	2377.4	2507.0	2547.4	2524.0	2373.1	2215.9	2122.4	2099.1
70°	1952.5	1963.1	2094.8	2247.8	2366.8	2394.4	2360.4	2262.7	2082.1	1978.0	1946.1
72.5°	1769.8	1784.6	1905.7	2075.7	2190.4	2226.5	2186.2	2082.1	1895.1	1801.6	1771.9
75°	1584.9	1599.8	1678.4	1863.2	1958.9	2009.8	1963.1	1850.5	1682.7	1591.3	1578.6
77.5°	1319.4	1342.7	1463.8	1587.1	1678.4	1731.5	1691.2	1587.1	1455.3	1347.0	1306.6
80°	1036.8	1053.8	1166.4	1274.7	1357.6	1391.6	1372.5	1274.7	1168.5	1058.0	1038.9
82.5°	726.6	737.2	835.0	922.1	1024.0	1024.0	1002.8	939.1	832.8	737.2	741.5
85°	388.8	401.5	475.9	543.9	607.6	607.6	588.5	548.1	473.8	399.4	390.9
87.5°	78.6	87.1	114.7	125.3	148.7	159.3	144.5	131.7	114.7	91.4	91.4
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)