

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: P197578

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
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-E1-5CQ-PM
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12045.8 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

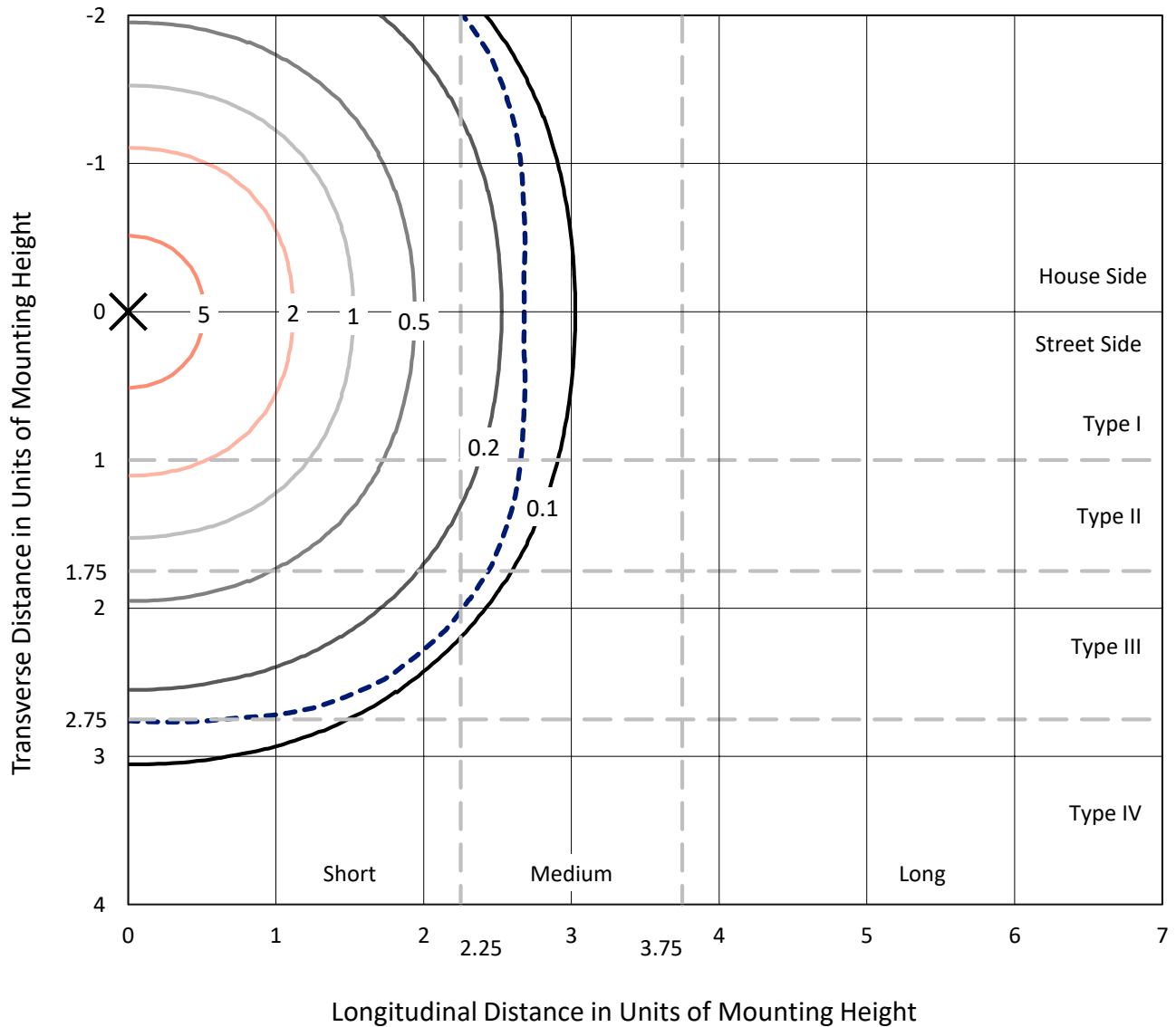
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

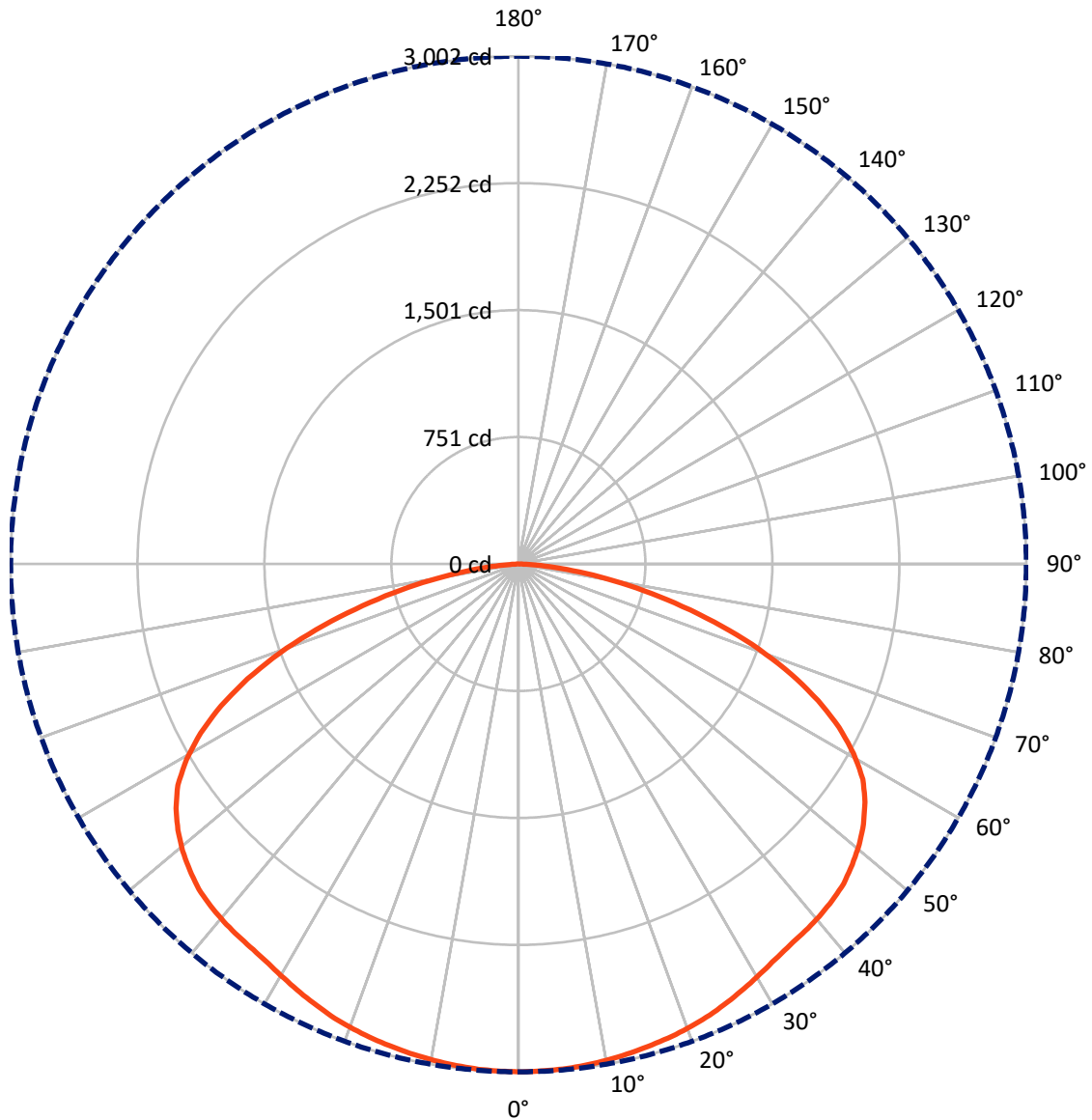
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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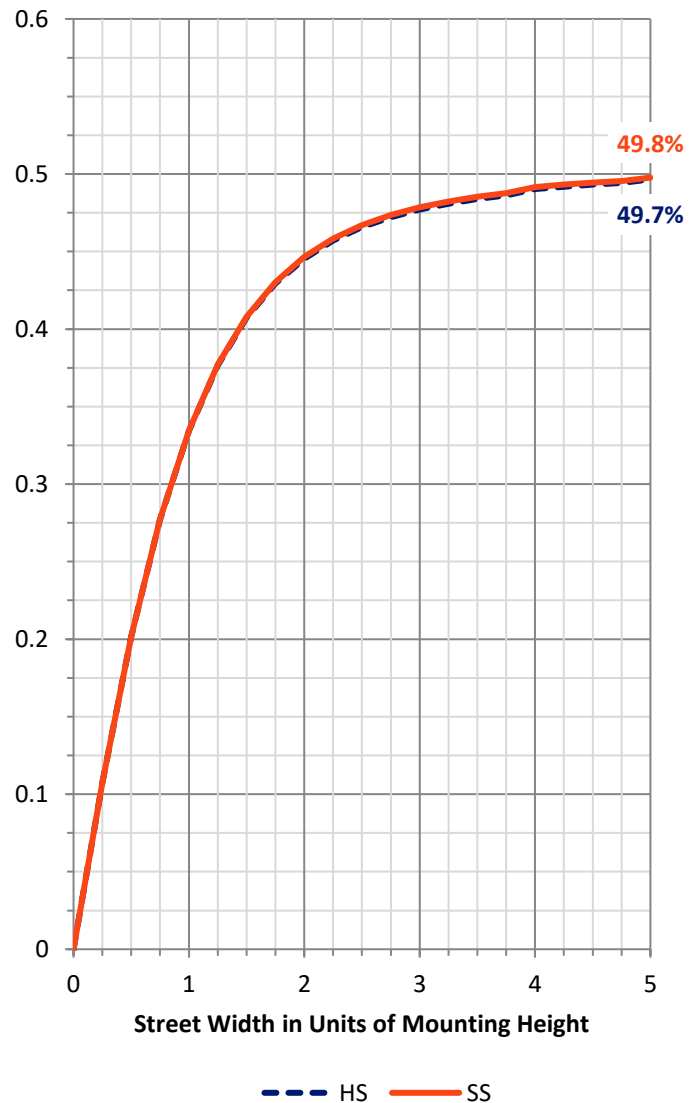
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6022.9	0.0	6022.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6022.9	0.0	6022.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	12045.8	0.0	12045.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.4	2.4
10°-20°	835.4	6.9
20°-30°	1329.0	11.0
30°-40°	1757.7	14.6
40°-50°	2144.8	17.8
50°-60°	2316.3	19.2
60°-70°	2005.9	16.7
70°-80°	1137.3	9.4
80°-90°	233.9	1.9
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°	12045.8	100.0
0°-180°	12045.8	100.0



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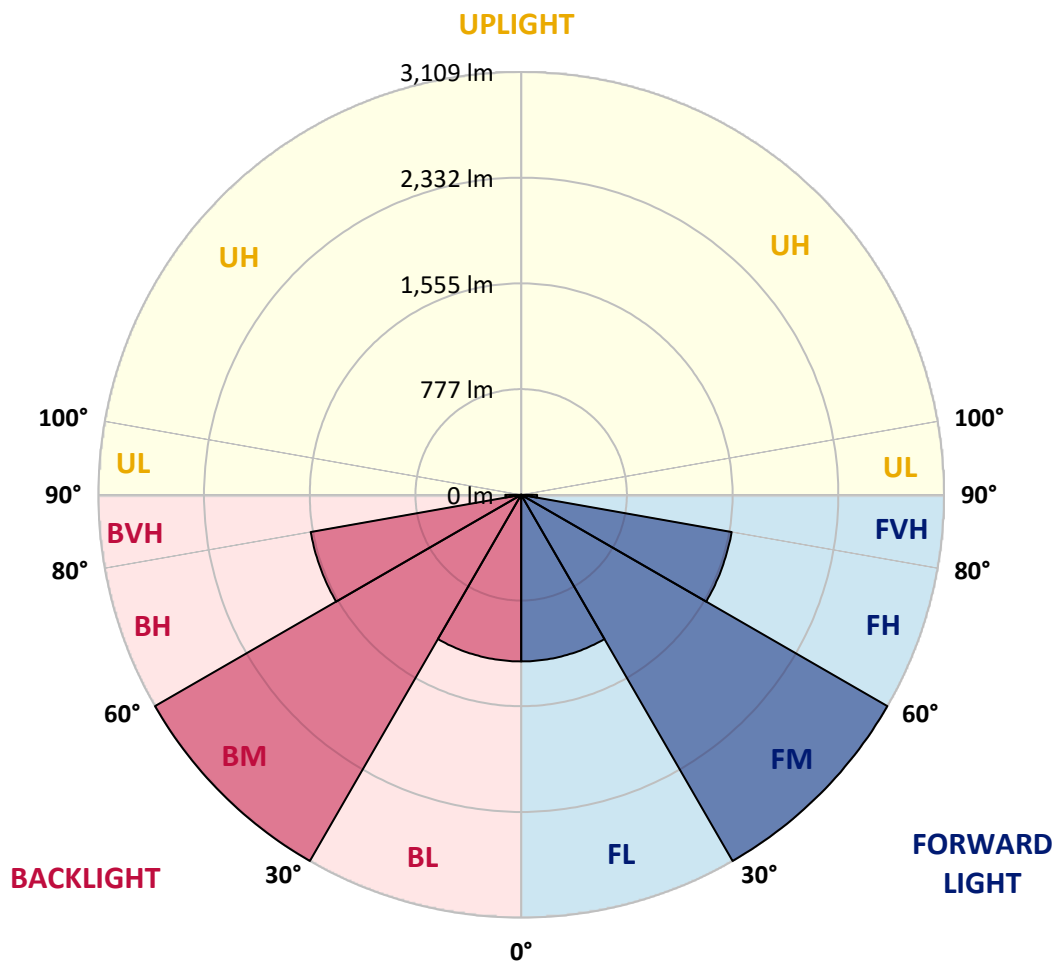
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1224.9	10.2			
FM	(30°-60°)	3109.4	25.8			
FH	(60°-80°)	1571.6	13.0			G1/1800
FVH	(80°-90°)	117.0	1.0			G2/225
BL	(0°-30°)	1224.9	10.2	B3/2500		
BM	(30°-60°)	3109.4	25.8	B3/5000		
BH	(60°-80°)	1571.6	13.0	B3/2500		G1/1800
BVH	(80°-90°)	117.0	1.0			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°	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0	3002.0
2.5°	2999.8	2999.8	2999.8	2999.8	2999.8	2999.8	2999.8	2999.8	2999.8	2999.8	2999.8
5°	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8	2995.8
7.5°	2987.5	2987.5	2987.5	2987.5	2987.5	2989.5	2987.5	2987.5	2987.5	2987.5	2989.5
10°	2977.1	2977.1	2979.2	2979.2	2977.1	2977.1	2977.1	2977.1	2977.1	2977.1	2977.1
12.5°	2964.7	2964.7	2964.7	2964.7	2964.7	2964.7	2964.7	2964.7	2962.5	2962.5	2962.5
15°	2950.2	2950.2	2950.2	2952.2	2952.2	2952.2	2952.2	2950.2	2948.0	2946.0	2948.0
17.5°	2935.7	2935.7	2937.7	2939.7	2939.7	2939.7	2939.7	2935.7	2933.5	2931.5	2931.5
20°	2917.0	2919.0	2919.0	2921.1	2923.2	2923.2	2923.2	2921.1	2917.0	2912.8	2912.8
22.5°	2896.2	2898.3	2900.4	2902.4	2904.5	2902.4	2902.4	2900.4	2896.2	2894.2	2892.1
25°	2869.2	2869.2	2873.4	2877.6	2879.7	2879.7	2879.7	2875.5	2871.4	2869.2	2867.2
27.5°	2842.3	2842.3	2846.4	2852.7	2854.7	2856.9	2852.7	2850.6	2844.4	2840.2	2840.2
30°	2813.3	2813.3	2819.6	2827.8	2834.1	2836.1	2834.1	2825.7	2817.4	2813.3	2813.3
32.5°	2786.3	2788.4	2794.6	2807.1	2817.4	2821.6	2819.6	2809.1	2798.8	2790.5	2788.4
35°	2765.6	2767.7	2780.1	2794.6	2811.2	2817.4	2811.2	2800.9	2784.3	2771.8	2771.8
37.5°	2753.2	2753.2	2769.8	2794.6	2813.3	2821.6	2813.3	2798.8	2776.0	2759.4	2759.4
40°	2738.7	2742.8	2763.5	2794.6	2821.6	2834.1	2823.6	2802.9	2773.9	2753.2	2751.1
42.5°	2720.0	2726.2	2749.0	2790.5	2823.6	2842.3	2831.9	2807.1	2771.8	2749.0	2747.0
45°	2695.2	2697.2	2726.2	2776.0	2819.6	2844.4	2836.1	2805.0	2765.6	2738.7	2734.5
47.5°	2655.7	2659.9	2695.2	2753.2	2807.1	2834.1	2827.8	2792.6	2742.8	2711.7	2705.5
50°	2610.1	2614.3	2655.7	2722.1	2782.2	2813.3	2802.9	2759.4	2705.5	2664.0	2659.9
52.5°	2554.1	2562.4	2608.1	2682.7	2747.0	2776.0	2759.4	2703.4	2641.2	2595.6	2591.4
55°	2485.8	2494.0	2545.8	2624.6	2688.9	2711.7	2688.9	2622.6	2556.3	2504.4	2494.0
57.5°	2400.7	2407.0	2456.7	2539.6	2601.9	2620.5	2591.4	2523.1	2444.3	2388.3	2382.1
60°	2276.3	2284.6	2342.7	2419.4	2481.6	2504.4	2475.3	2392.4	2307.4	2251.5	2249.3
62.5°	2127.1	2141.6	2191.4	2274.3	2330.3	2361.4	2321.9	2237.0	2151.9	2087.7	2087.7
65°	1946.7	1957.0	2011.0	2091.8	2145.7	2172.7	2133.3	2054.5	1961.2	1905.2	1899.0
67.5°	1739.4	1747.7	1795.3	1878.3	1936.4	1959.2	1915.6	1840.9	1754.0	1693.8	1687.5
70°	1509.3	1521.7	1557.0	1633.7	1685.5	1697.9	1664.7	1594.3	1515.5	1461.5	1457.5
72.5°	1258.5	1268.8	1314.4	1374.5	1416.0	1420.2	1399.4	1347.6	1266.7	1223.2	1217.0
75°	1001.3	1018.0	1057.3	1109.1	1140.2	1140.2	1127.8	1090.5	1020.0	986.8	986.8
77.5°	758.8	767.1	808.6	843.8	868.6	881.1	866.6	833.4	777.5	754.6	742.2
80°	528.6	537.0	555.6	582.6	607.4	615.7	599.1	572.1	541.1	524.5	516.2
82.5°	323.4	331.7	342.1	356.6	373.2	381.4	371.1	354.6	327.6	325.5	323.4
85°	155.5	159.6	167.9	172.1	180.4	182.4	184.5	176.2	167.9	157.6	161.7
87.5°	47.7	47.7	49.8	51.8	56.0	56.0	56.0	53.9	49.8	47.7	47.7
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)