

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: P197579

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197579
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11931.8 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

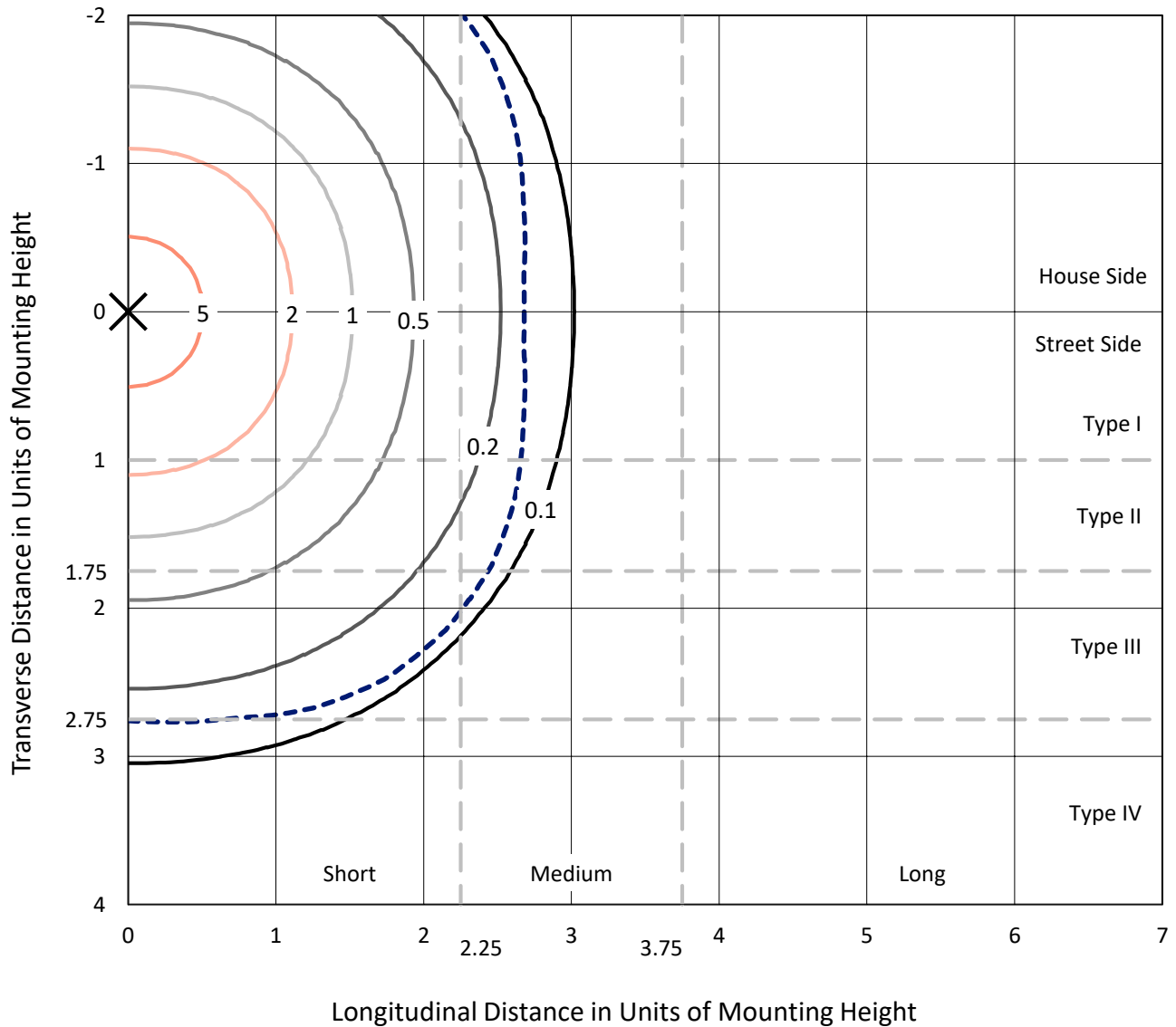
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

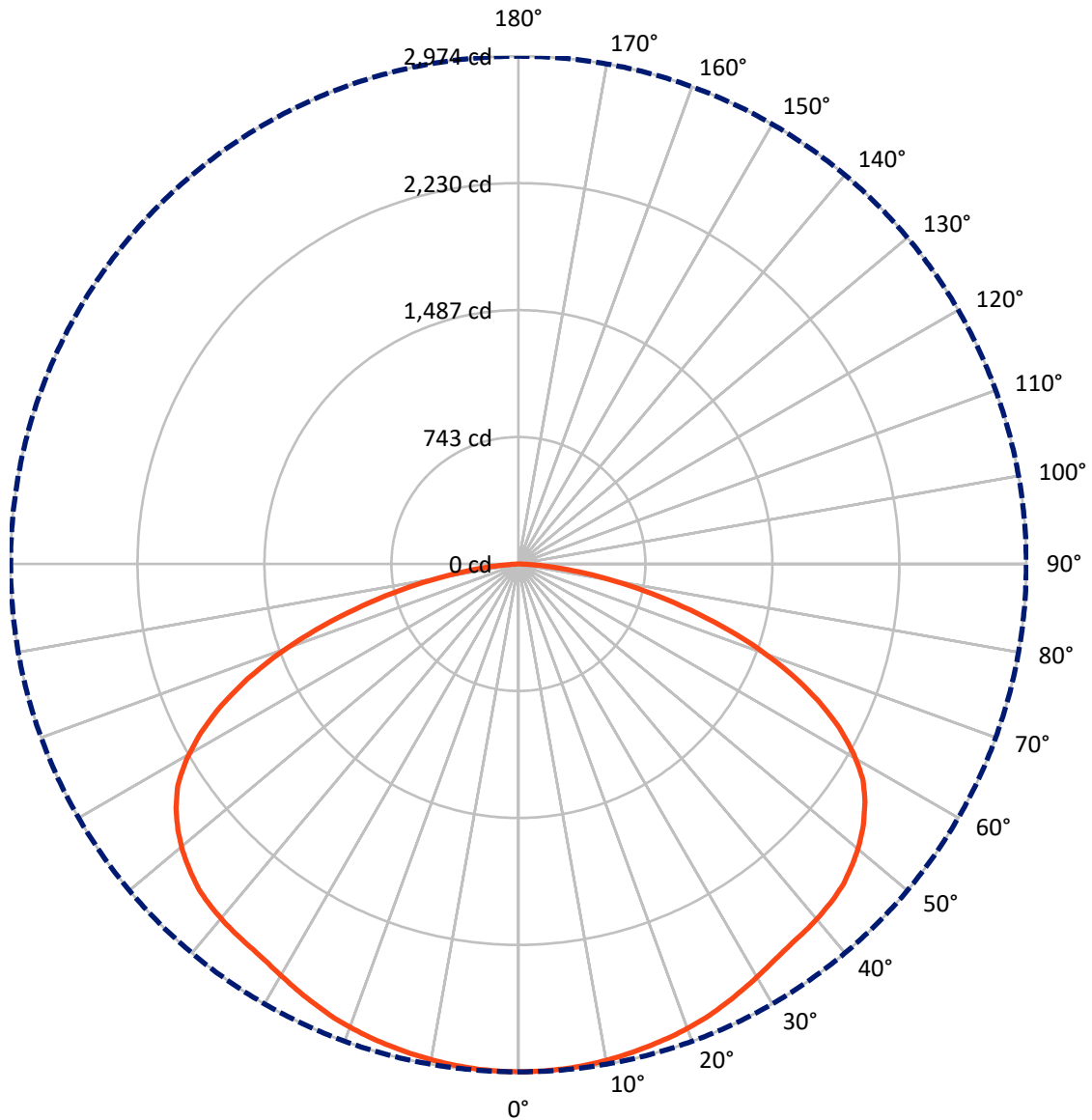
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 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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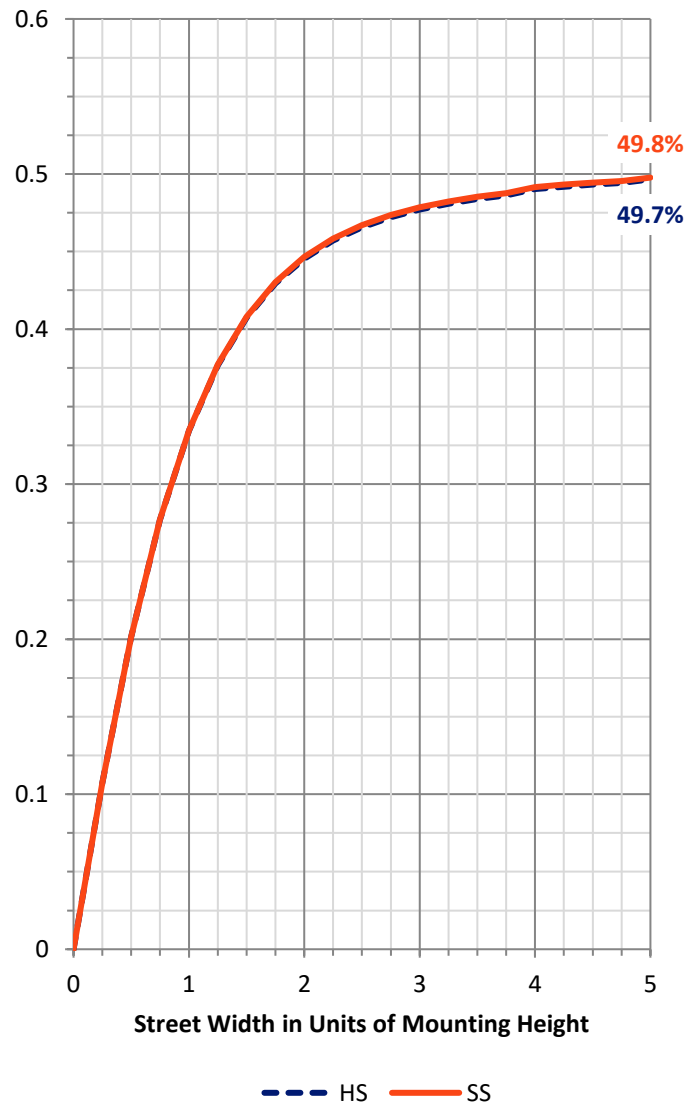
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5965.9	0.0	5965.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5965.9	0.0	5965.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11931.8	0.0	11931.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.7	2.4
10°-20°	827.5	6.9
20°-30°	1316.4	11.0
30°-40°	1741.0	14.6
40°-50°	2124.5	17.8
50°-60°	2294.4	19.2
60°-70°	1987.0	16.7
70°-80°	1126.6	9.4
80°-90°	231.7	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°	11931.8	100.0
0°-180°	11931.8	100.0



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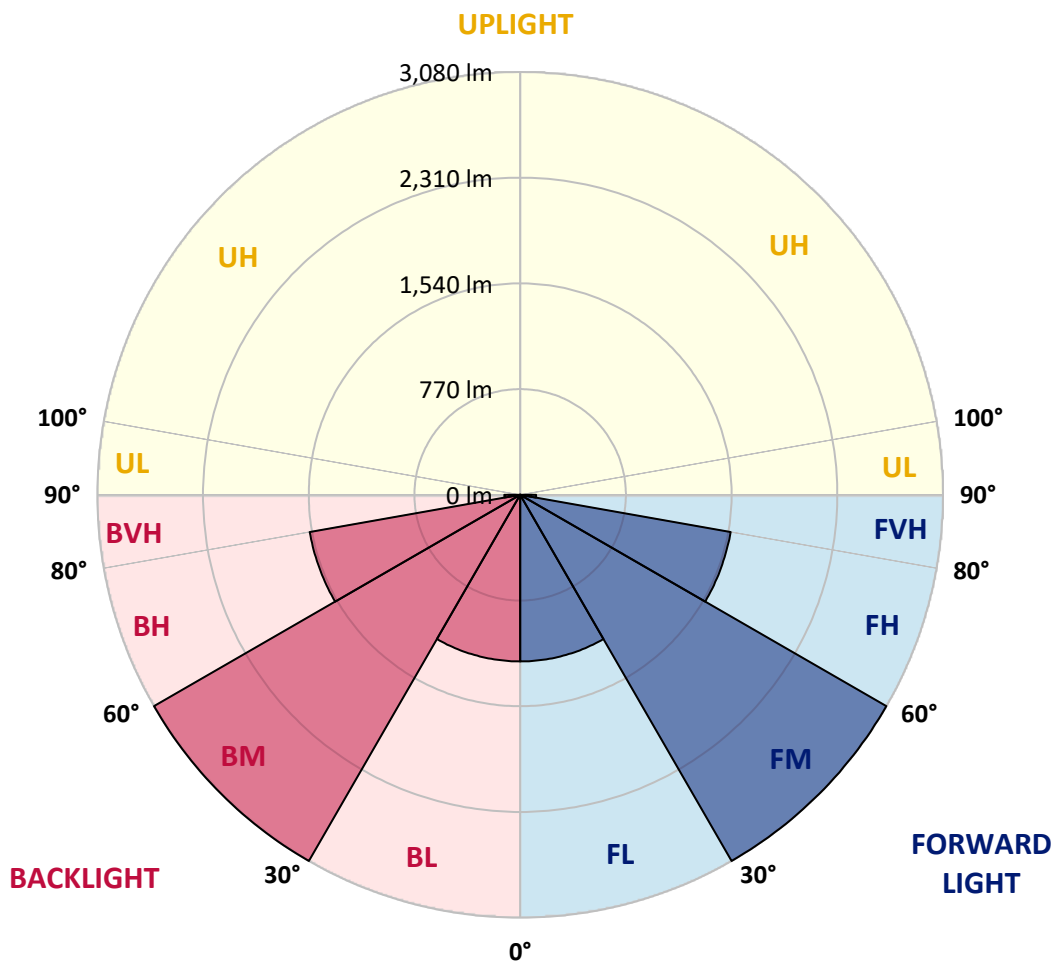
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1213.3	10.2			
FM	(30°-60°)	3080.0	25.8			
FH	(60°-80°)	1556.8	13.0			G1/1800
FVH	(80°-90°)	115.9	1.0			G2/225
BL	(0°-30°)	1213.3	10.2	B3/2500		
BM	(30°-60°)	3080.0	25.8	B3/5000		
BH	(60°-80°)	1556.8	13.0	B3/2500		G1/1800
BVH	(80°-90°)	115.9	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°	2973.5	2973.5	2973.5	2973.5	2973.5	2973.5	2973.5	2973.5	2973.5	2973.5	2973.5
2.5°	2971.5	2971.5	2971.5	2971.5	2971.5	2971.5	2971.5	2971.5	2971.5	2971.5	2971.5
5°	2967.4	2967.4	2967.4	2967.4	2967.4	2967.4	2967.4	2967.4	2967.4	2967.4	2967.4
7.5°	2959.1	2959.1	2959.1	2959.1	2959.1	2961.3	2959.1	2959.1	2959.1	2959.1	2961.3
10°	2948.9	2948.9	2950.9	2950.9	2948.9	2948.9	2948.9	2948.9	2948.9	2948.9	2948.9
12.5°	2936.6	2936.6	2936.6	2936.6	2936.6	2936.6	2936.6	2936.6	2934.5	2934.5	2934.5
15°	2922.2	2922.2	2922.2	2924.2	2924.2	2924.2	2924.2	2922.2	2920.2	2918.1	2920.2
17.5°	2907.8	2907.8	2909.9	2912.0	2912.0	2912.0	2912.0	2907.8	2905.8	2903.8	2903.8
20°	2889.4	2891.4	2891.4	2893.5	2895.5	2895.5	2895.5	2893.5	2889.4	2885.3	2885.3
22.5°	2868.9	2870.9	2872.9	2875.0	2877.1	2875.0	2875.0	2872.9	2868.9	2866.7	2864.7
25°	2842.1	2842.1	2846.2	2850.3	2852.4	2852.4	2852.4	2848.3	2844.2	2842.1	2840.1
27.5°	2815.4	2815.4	2819.6	2825.7	2827.8	2829.8	2825.7	2823.6	2817.4	2813.4	2813.4
30°	2786.7	2786.7	2792.9	2801.1	2807.2	2809.3	2807.2	2799.0	2790.8	2786.7	2786.7
32.5°	2760.0	2762.0	2768.2	2780.5	2790.8	2794.9	2792.9	2782.5	2772.3	2764.1	2762.0
35°	2739.4	2741.5	2753.8	2768.2	2784.7	2790.8	2784.7	2774.3	2757.9	2745.6	2745.6
37.5°	2727.2	2727.2	2743.6	2768.2	2786.7	2794.9	2786.7	2772.3	2749.7	2733.2	2733.2
40°	2712.8	2716.9	2737.4	2768.2	2794.9	2807.2	2796.9	2776.5	2747.6	2727.2	2725.0
42.5°	2694.3	2700.5	2723.0	2764.1	2796.9	2815.4	2805.2	2780.5	2745.6	2723.0	2721.0
45°	2669.6	2671.7	2700.5	2749.7	2792.9	2817.4	2809.3	2778.5	2739.4	2712.8	2708.7
47.5°	2630.6	2634.7	2669.6	2727.2	2780.5	2807.2	2801.1	2766.1	2716.9	2686.1	2679.9
50°	2585.4	2589.5	2630.6	2696.3	2755.9	2786.7	2776.5	2733.2	2679.9	2638.8	2634.7
52.5°	2530.0	2538.2	2583.4	2657.3	2721.0	2749.7	2733.2	2677.9	2616.3	2571.0	2567.0
55°	2462.2	2470.4	2521.7	2599.8	2663.5	2686.1	2663.5	2597.7	2532.1	2480.7	2470.4
57.5°	2378.0	2384.2	2433.5	2515.7	2577.2	2595.7	2567.0	2499.2	2421.1	2365.7	2359.5
60°	2254.8	2263.0	2320.5	2396.5	2458.1	2480.7	2452.0	2369.8	2285.6	2230.2	2228.1
62.5°	2107.0	2121.4	2170.6	2252.7	2308.2	2339.1	2300.0	2215.8	2131.6	2067.9	2067.9
65°	1928.3	1938.6	1991.9	2072.1	2125.4	2152.1	2113.1	2035.0	1942.6	1887.2	1881.1
67.5°	1722.9	1731.1	1778.4	1860.6	1918.0	1940.6	1897.5	1823.5	1737.3	1677.8	1671.6
70°	1495.0	1507.3	1542.3	1618.2	1669.6	1681.8	1649.0	1579.2	1501.2	1447.7	1443.7
72.5°	1246.5	1256.8	1302.0	1361.5	1402.6	1406.7	1386.1	1334.8	1254.7	1211.6	1205.5
75°	991.9	1008.3	1047.3	1098.7	1129.4	1129.4	1117.1	1080.2	1010.3	977.5	977.5
77.5°	751.6	759.8	800.9	835.8	860.4	872.8	858.4	825.5	770.1	747.5	735.2
80°	523.6	531.8	550.4	577.1	601.7	609.9	593.5	566.7	536.0	519.6	511.3
82.5°	320.3	328.6	338.8	353.2	369.6	377.9	367.6	351.2	324.5	322.4	320.3
85°	154.0	158.1	166.4	170.4	178.6	180.8	182.8	174.6	166.4	156.1	160.2
87.5°	47.3	47.3	49.3	51.3	55.5	55.5	55.5	53.4	49.3	47.3	47.3
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)