

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: P197580

Luminaire Tested: **TT-C6-LED-E1-5CQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197580
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11841.7 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

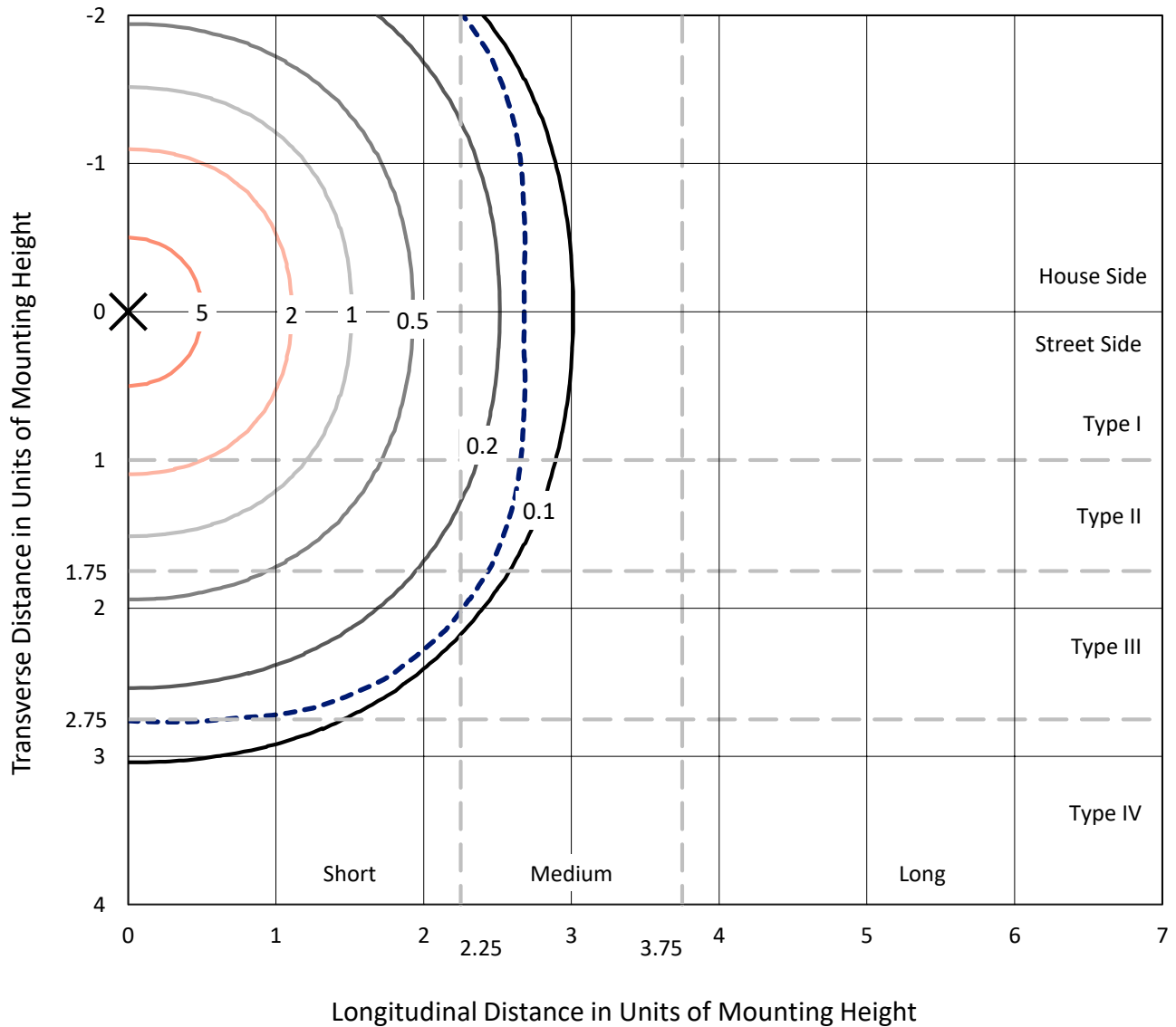
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P197580
 CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-7060

Iso-Footcandle Lines of Horizontal Illumination

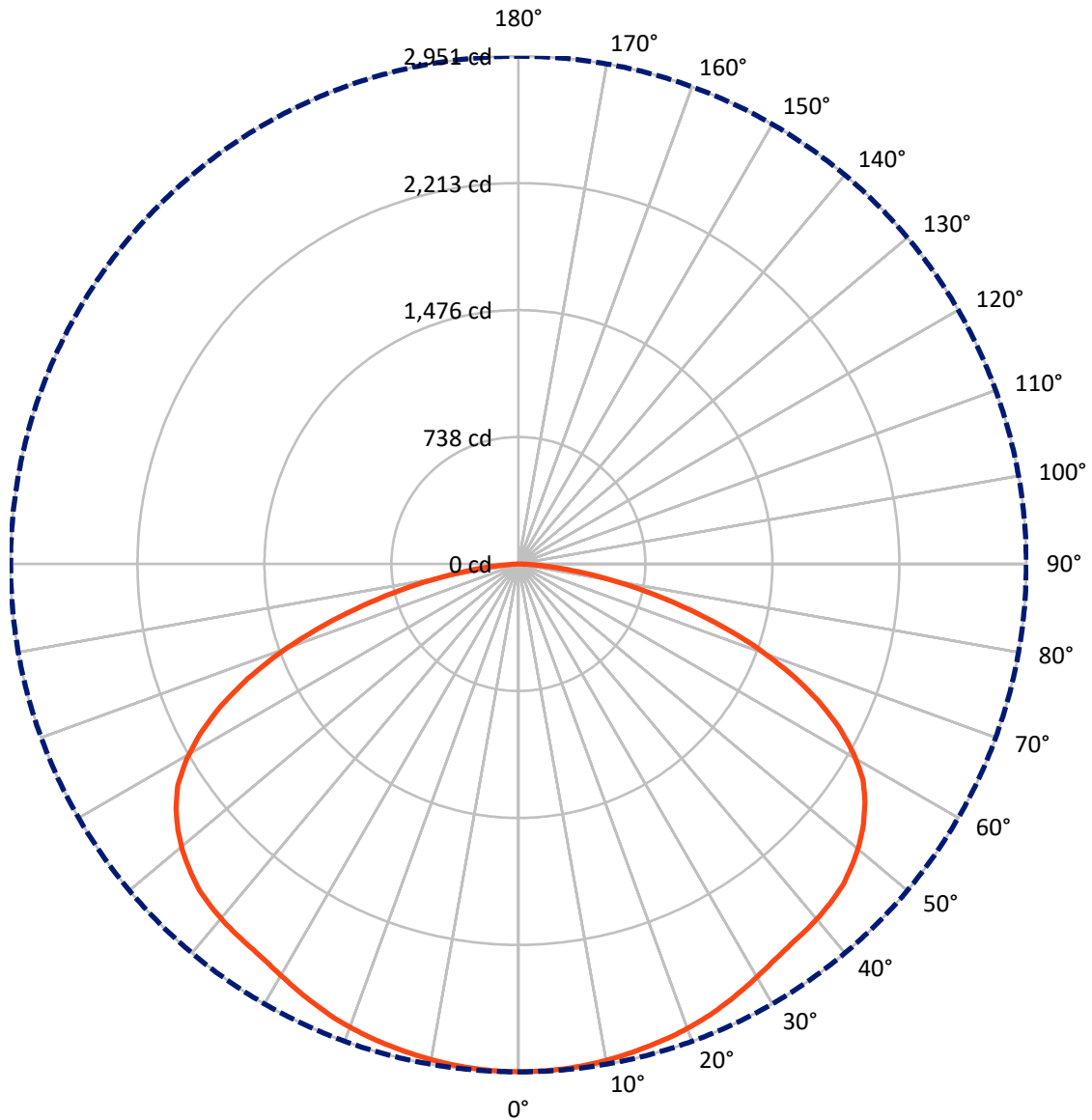
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197580
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-7060

Luminous Intensity Polar Plot



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

REPORT NUMBER: P197580

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-7060

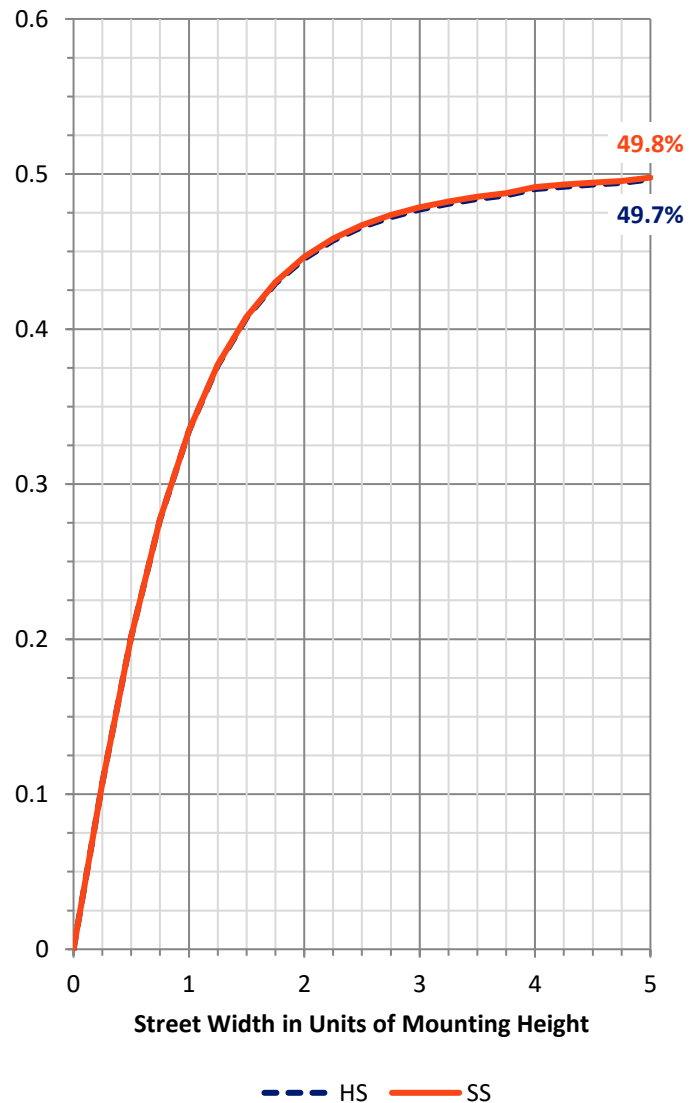
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5920.8	0.0	5920.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5920.8	0.0	5920.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11841.7	0.0	11841.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.5	2.4
10°-20°	821.3	6.9
20°-30°	1306.5	11.0
30°-40°	1727.9	14.6
40°-50°	2108.5	17.8
50°-60°	2277.1	19.2
60°-70°	1972.0	16.7
70°-80°	1118.1	9.4
80°-90°	229.9	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°	11841.7	100.0
0°-180°	11841.7	100.0

Coefficient of Utilization



REPORT NUMBER: P197580

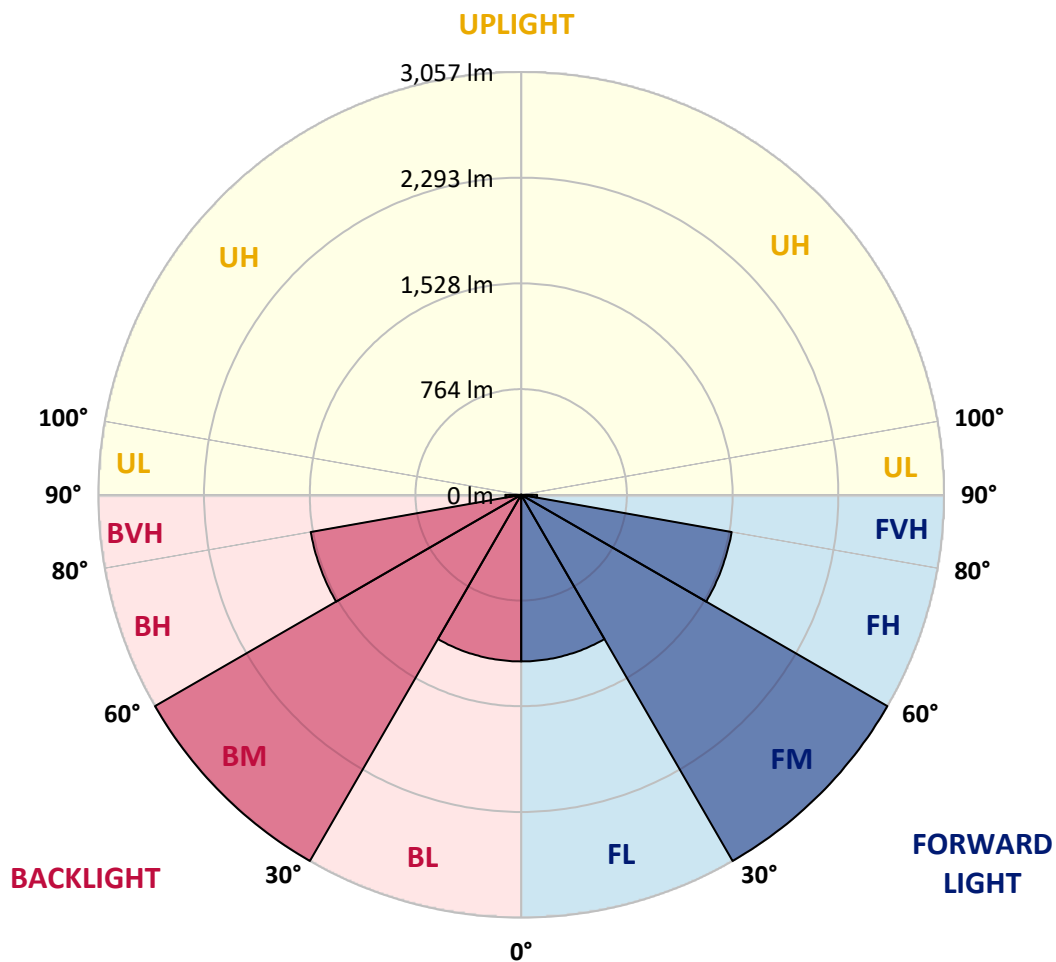
CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1204.1	10.2			
FM	(30°-60°)	3056.7	25.8			
FH	(60°-80°)	1545.0	13.0			G1/1800
FVH	(80°-90°)	115.0	1.0			G2/225
BL	(0°-30°)	1204.1	10.2	B3/2500		
BM	(30°-60°)	3056.7	25.8	B3/5000		
BH	(60°-80°)	1545.0	13.0	B3/2500		G1/1800
BVH	(80°-90°)	115.0	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





REPORT NUMBER: P197580

CATALOG NUMBER: TT-C6-LED-E1-5CQ-PM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2951.1	2951.1	2951.1	2951.1	2951.1	2951.1	2951.1	2951.1	2951.1	2951.1	2951.1
2.5°	2949.1	2949.1	2949.1	2949.1	2949.1	2949.1	2949.1	2949.1	2949.1	2949.1	2949.1
5°	2945.0	2945.0	2945.0	2945.0	2945.0	2945.0	2945.0	2945.0	2945.0	2945.0	2945.0
7.5°	2936.8	2936.8	2936.8	2936.8	2936.8	2938.8	2936.8	2936.8	2936.8	2936.8	2938.8
10°	2926.7	2926.7	2928.7	2928.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7	2926.7
12.5°	2914.4	2914.4	2914.4	2914.4	2914.4	2914.4	2914.4	2914.4	2912.4	2912.4	2912.4
15°	2900.2	2900.2	2900.2	2902.2	2902.2	2902.2	2902.2	2900.2	2898.1	2896.1	2898.1
17.5°	2885.9	2885.9	2887.9	2889.9	2889.9	2889.9	2889.9	2885.9	2883.8	2881.8	2881.8
20°	2867.5	2869.5	2869.5	2871.7	2873.7	2873.7	2873.7	2871.7	2867.5	2863.4	2863.4
22.5°	2847.2	2849.2	2851.3	2853.3	2855.3	2853.3	2853.3	2851.3	2847.2	2845.1	2843.1
25°	2820.6	2820.6	2824.8	2828.8	2830.9	2830.9	2830.9	2826.8	2822.8	2820.6	2818.6
27.5°	2794.1	2794.1	2798.2	2804.4	2806.4	2808.4	2804.4	2802.4	2796.2	2792.1	2792.1
30°	2765.6	2765.6	2771.7	2779.9	2786.0	2788.1	2786.0	2777.9	2769.7	2765.6	2765.6
32.5°	2739.1	2741.2	2747.3	2759.5	2769.7	2773.7	2771.7	2761.6	2751.4	2743.2	2741.2
35°	2718.7	2720.8	2733.0	2747.3	2763.6	2769.7	2763.6	2753.4	2737.1	2724.8	2724.8
37.5°	2706.6	2706.6	2722.8	2747.3	2765.6	2773.7	2765.6	2751.4	2729.0	2712.7	2712.7
40°	2692.3	2696.3	2716.7	2747.3	2773.7	2786.0	2775.9	2755.5	2727.0	2706.6	2704.5
42.5°	2673.9	2680.1	2702.5	2743.2	2775.9	2794.1	2784.0	2759.5	2724.8	2702.5	2700.4
45°	2649.4	2651.5	2680.1	2729.0	2771.7	2796.2	2788.1	2757.5	2718.7	2692.3	2688.2
47.5°	2610.8	2614.8	2649.4	2706.6	2759.5	2786.0	2779.9	2745.2	2696.3	2665.8	2659.7
50°	2565.9	2570.0	2610.8	2675.9	2735.1	2765.6	2755.5	2712.7	2659.7	2618.9	2614.8
52.5°	2510.9	2519.0	2563.9	2637.3	2700.4	2729.0	2712.7	2657.7	2596.5	2551.6	2547.6
55°	2443.6	2451.8	2502.7	2580.1	2643.3	2665.8	2643.3	2578.1	2512.9	2462.0	2451.8
57.5°	2360.0	2366.2	2415.1	2496.6	2557.8	2576.1	2547.6	2480.3	2402.8	2347.8	2341.8
60°	2237.7	2246.0	2303.0	2378.4	2439.6	2462.0	2433.4	2351.9	2268.4	2213.3	2211.3
62.5°	2091.0	2105.3	2154.2	2235.7	2290.8	2321.4	2282.6	2199.1	2115.5	2052.3	2052.3
65°	1913.7	1923.9	1977.0	2056.4	2109.4	2135.9	2097.2	2019.7	1928.0	1872.9	1866.9
67.5°	1710.0	1718.1	1765.0	1846.5	1903.6	1925.9	1883.2	1809.8	1724.2	1665.1	1658.9
70°	1483.7	1496.0	1530.6	1606.0	1656.9	1669.2	1636.6	1567.3	1489.8	1436.8	1432.7
72.5°	1237.1	1247.2	1292.1	1351.3	1391.9	1396.1	1375.7	1324.8	1245.2	1202.5	1196.3
75°	984.4	1000.7	1039.4	1090.4	1120.9	1120.9	1108.7	1072.0	1002.7	970.1	970.1
77.5°	745.9	754.1	794.9	829.5	853.9	866.2	851.9	819.3	764.3	741.9	729.6
80°	519.7	527.9	546.2	572.7	597.2	605.3	589.0	562.5	531.9	515.6	507.5
82.5°	317.9	326.0	336.3	350.5	366.8	375.0	364.8	348.5	322.0	320.0	317.9
85°	152.8	156.9	165.1	169.2	177.3	179.3	181.3	173.2	165.1	154.9	159.0
87.5°	46.9	46.9	48.9	50.9	55.0	55.0	55.0	53.0	48.9	46.9	46.9
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)