

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: P197636

Luminaire Tested: **TT-C2-LED-E1-5MQ-PM-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197636  
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-C2-LED-E1-5MQ-PM-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
MEDIUM DISTRIBUTION  
Light Source: (168) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4407.1 lumens  
Efficiency: N/A  
Efficacy: 129.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

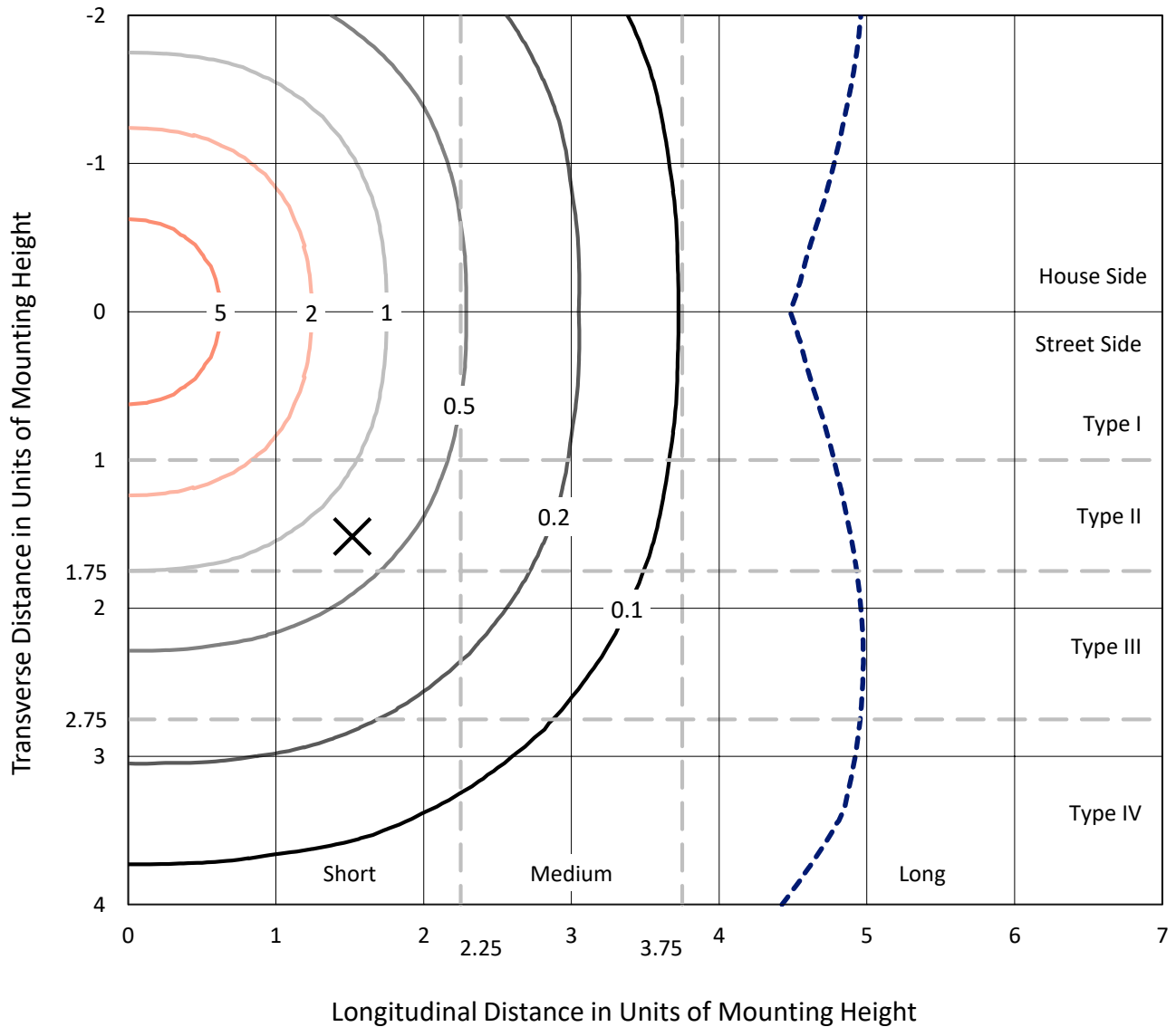
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

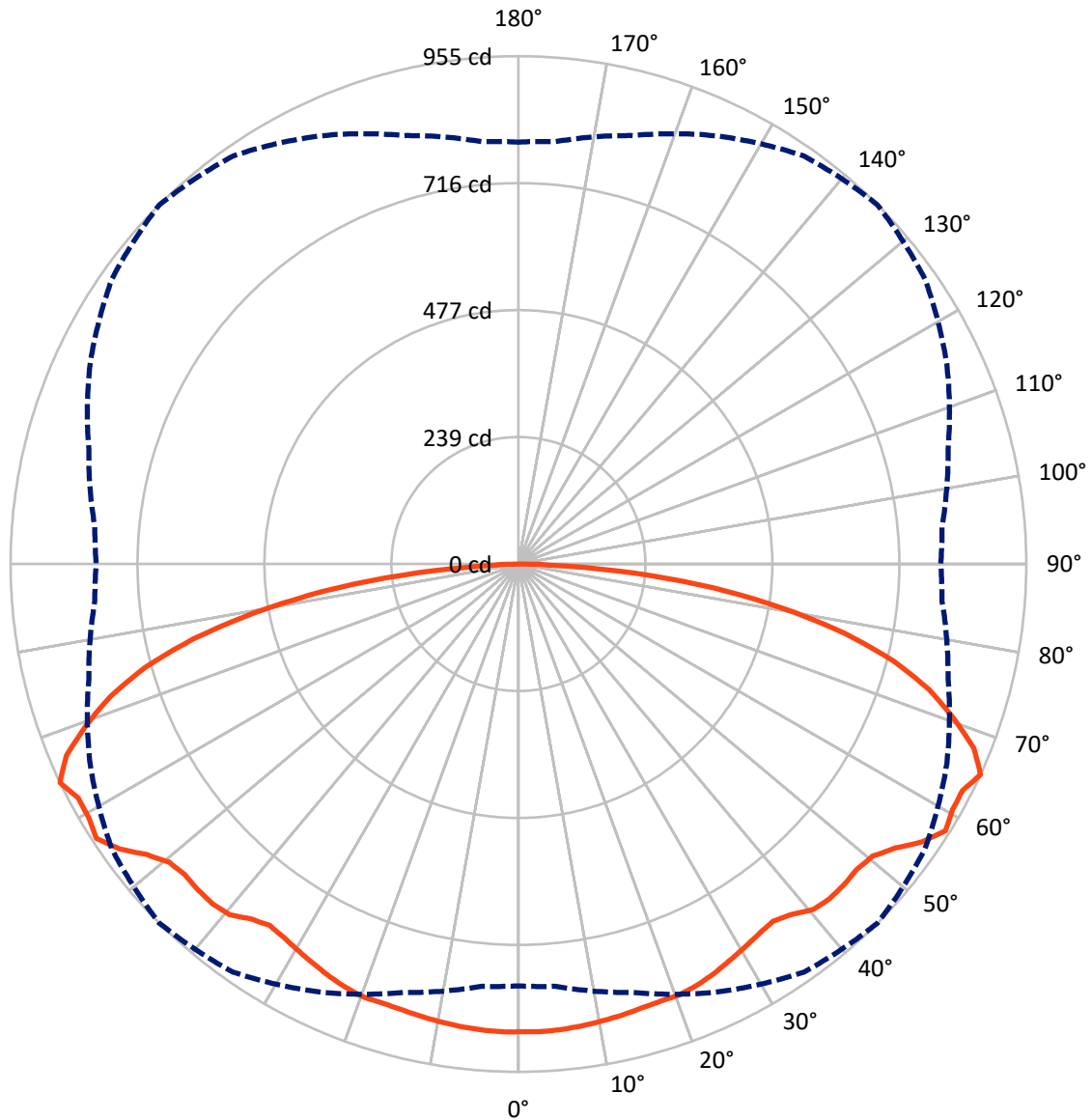
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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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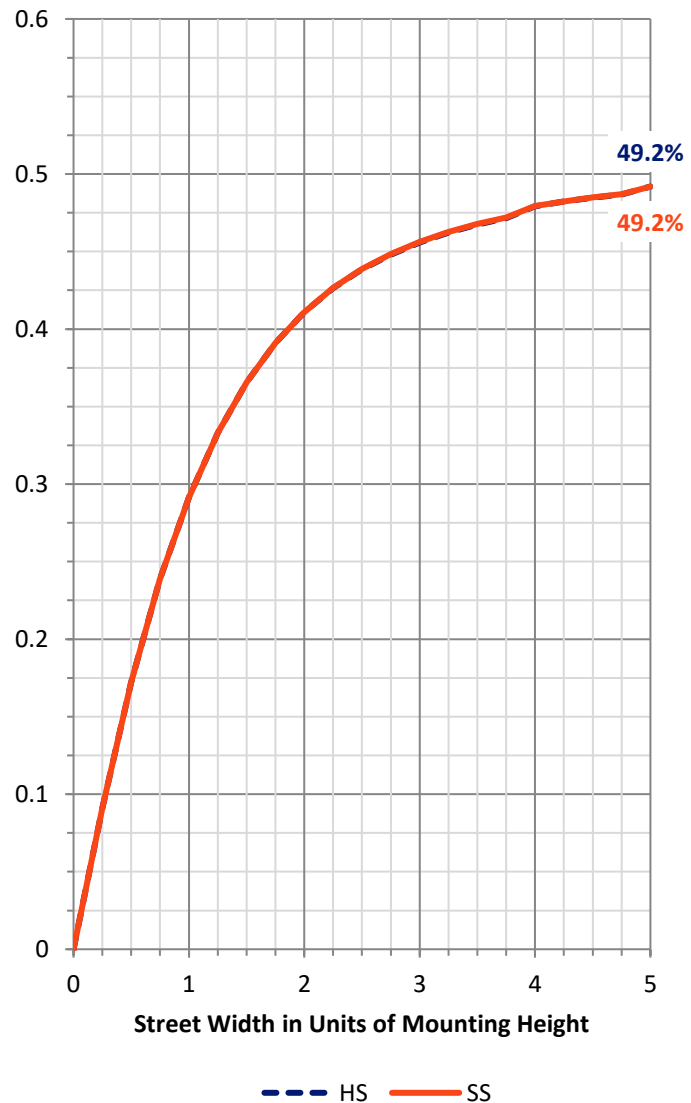
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2203.5	0.0	2203.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2203.5	0.0	2203.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4407.1	0.0	4407.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	1.9
10°-20°	245.5	5.6
20°-30°	392.8	8.9
30°-40°	518.8	11.8
40°-50°	648.5	14.7
50°-60°	778.6	17.7
60°-70°	851.0	19.3
70°-80°	676.2	15.3
80°-90°	212.0	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°	4407.1	100.0
0°-180°	4407.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P197636

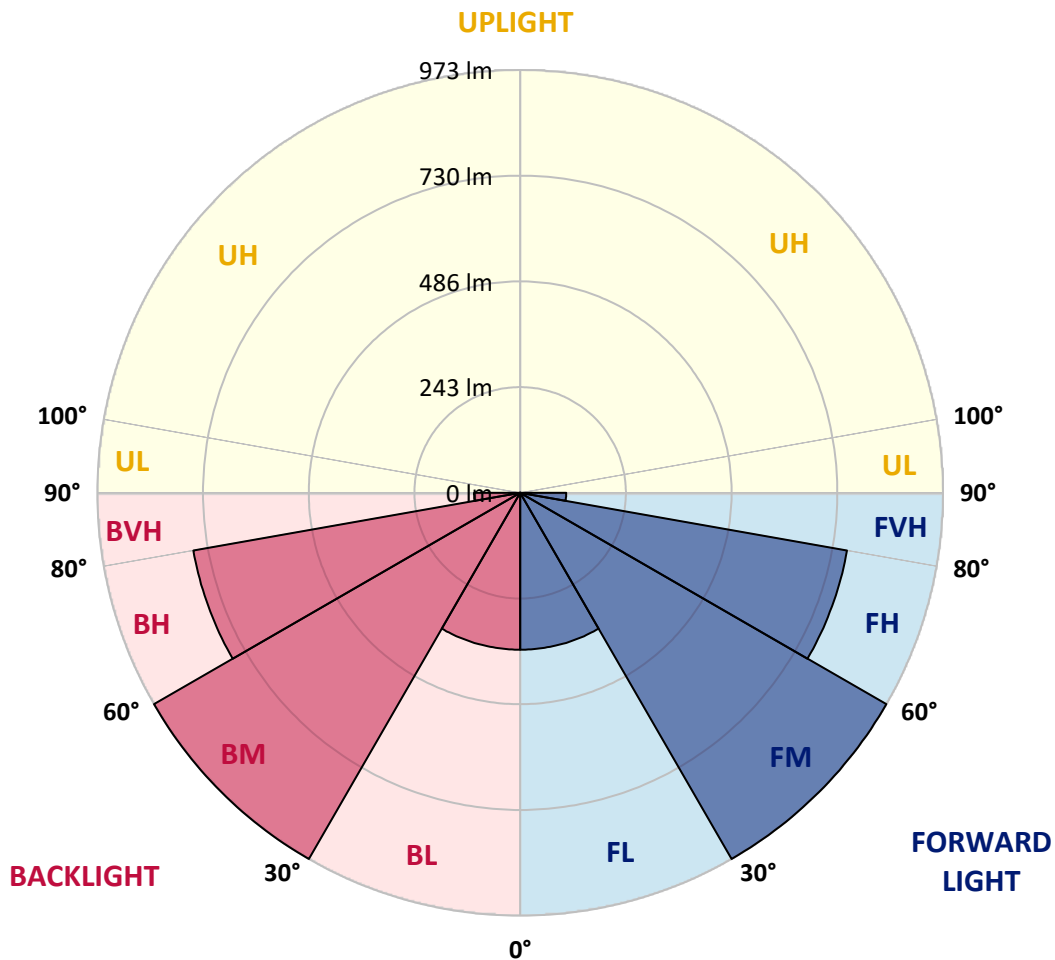
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.0	8.2			
FM	(30°-60°)	972.9	22.1			
FH	(60°-80°)	763.6	17.3			G1/1800
FVH	(80°-90°)	106.0	2.4			G2/225
BL	(0°-30°)	361.0	8.2	B1/500		
BM	(30°-60°)	972.9	22.1	B1/1000		
BH	(60°-80°)	763.6	17.3	B2/1000		G1/1800
BVH	(80°-90°)	106.0	2.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3
2.5°	880.0	880.0	880.0	880.0	879.3	880.0	879.3	879.3	880.0	880.0	880.0
5°	878.5	878.5	878.5	878.5	878.5	878.5	878.5	878.5	878.5	878.5	878.5
7.5°	876.2	876.2	876.2	876.2	876.2	876.2	876.2	876.2	876.2	876.2	876.2
10°	873.1	873.9	873.9	873.9	873.1	873.1	873.1	873.9	873.9	873.1	873.1
12.5°	870.0	870.0	870.8	870.0	870.0	870.0	870.0	870.0	870.0	870.0	869.3
15°	865.4	865.4	866.2	866.2	866.2	866.2	866.2	865.4	865.4	864.6	864.6
17.5°	861.6	861.6	863.1	863.1	863.9	863.9	863.9	862.3	862.3	860.8	860.8
20°	860.8	860.8	861.6	863.1	863.9	864.6	863.9	862.3	860.8	859.2	859.2
22.5°	855.4	856.2	857.7	858.5	860.0	860.0	860.0	857.7	856.9	855.4	855.4
25°	848.5	847.7	850.0	851.5	853.1	853.1	852.3	850.8	850.0	847.7	847.7
27.5°	837.7	838.5	840.0	842.3	844.6	844.6	843.8	842.3	840.8	839.2	838.5
30°	828.4	829.2	830.8	833.1	834.6	836.9	834.6	833.1	830.8	830.0	829.2
32.5°	818.4	819.2	821.5	825.4	827.7	829.2	827.7	826.1	822.3	820.0	819.2
35°	811.5	812.3	814.6	820.0	824.6	824.6	824.6	820.7	816.1	812.3	811.5
37.5°	812.3	813.8	819.2	826.9	834.6	835.4	834.6	826.9	820.0	813.8	813.1
40°	818.4	820.0	829.2	840.8	850.8	853.9	851.5	840.8	830.0	821.5	819.2
42.5°	817.7	820.0	830.0	844.6	854.6	859.2	854.6	844.6	831.5	822.3	819.2
45°	814.6	816.1	826.9	842.3	854.6	859.2	855.4	843.8	829.2	818.4	816.1
47.5°	810.0	811.5	820.0	838.5	852.3	856.9	853.1	840.8	822.3	813.8	812.3
50°	803.8	808.4	822.3	841.5	860.0	863.1	860.8	843.1	823.8	811.5	805.4
52.5°	810.0	809.2	825.4	860.0	877.0	887.0	879.3	858.5	829.2	813.1	811.5
55°	823.8	830.0	847.7	880.0	907.8	921.6	910.8	882.3	849.2	829.2	825.4
57.5°	823.1	830.8	862.3	894.7	937.0	946.2	933.9	898.5	860.8	834.6	824.6
60°	818.4	821.5	845.4	903.1	927.0	937.8	927.0	899.3	851.5	822.3	822.3
62.5°	803.0	808.4	846.2	886.2	920.1	937.0	923.9	889.3	845.4	813.8	803.8
65°	793.0	796.9	833.8	887.7	936.2	954.7	933.2	888.5	836.1	799.2	793.8
67.5°	761.5	768.4	803.0	861.6	908.5	923.2	914.7	860.0	803.0	769.2	760.7
70°	707.6	711.4	759.2	814.6	857.7	867.7	855.4	820.0	754.5	716.8	705.3
72.5°	641.4	646.7	690.6	752.2	793.8	806.9	792.3	754.5	686.8	652.9	642.1
75°	574.4	579.8	608.2	675.2	709.9	728.4	711.4	670.6	609.8	576.7	572.1
77.5°	478.1	486.6	530.5	575.1	608.2	627.5	612.9	575.1	527.4	488.1	473.5
80°	375.7	381.9	422.7	462.0	492.0	504.3	497.4	462.0	423.5	383.4	376.5
82.5°	263.3	267.2	302.6	334.2	371.1	371.1	363.4	340.3	301.8	267.2	268.7
85°	140.9	145.5	172.5	197.1	220.2	220.2	213.3	198.6	171.7	144.7	141.7
87.5°	28.5	31.6	41.6	45.4	53.9	57.7	52.4	47.7	41.6	33.1	33.1
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)