

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: P400582

Luminaire Tested: **TT-D1-735-U-5MQ-PM**

Issue Date: 5/19/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P400582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/19/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TT-D1-735-U-5MQ-PM  
Description: TOPTIER LED SITE LUMINAIRE  
3500K, 70 CRI LEDS AND MEDIUM DISTRIBUTION  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3871 lumens  
Efficiency: N/A  
Efficacy: 138.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

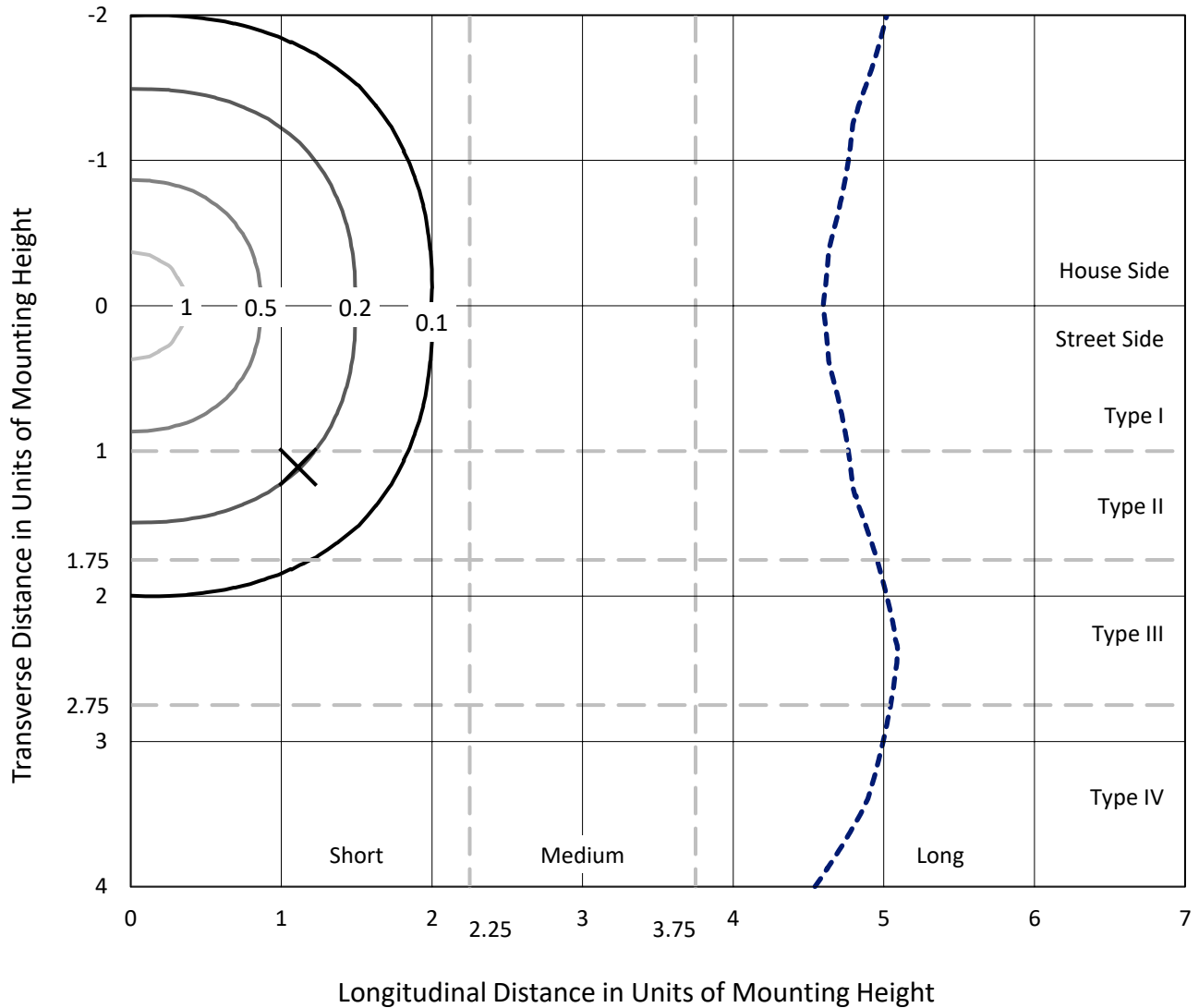
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

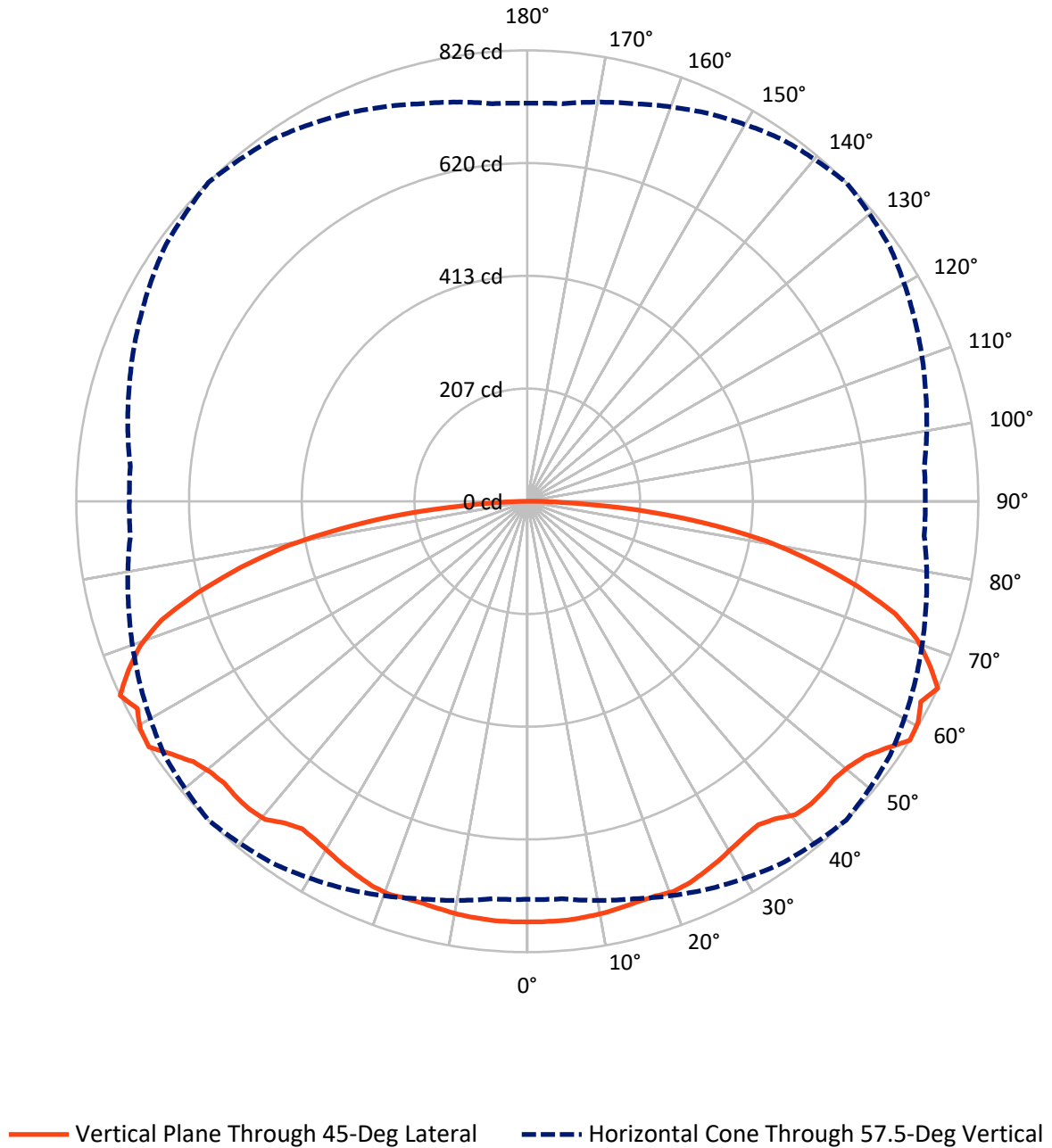
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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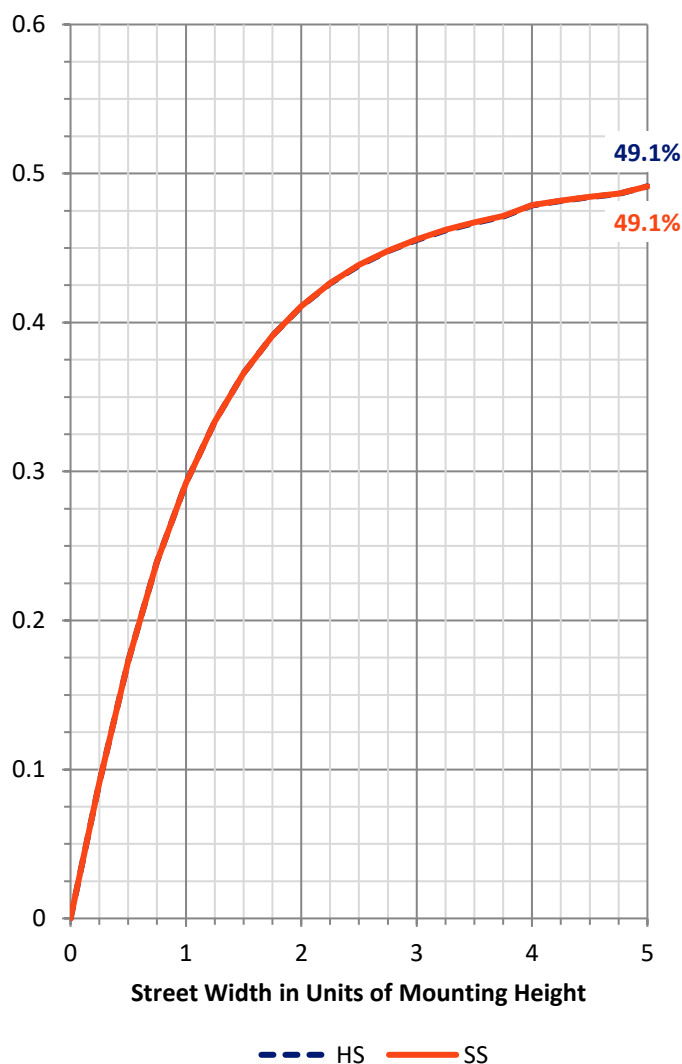
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1935.5	0.0	1935.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1935.5	0.0	1935.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3871.0	0.0	3871.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.5	1.9
10°-20°	216.1	5.6
20°-30°	347.2	9.0
30°-40°	458.4	11.8
40°-50°	573.5	14.8
50°-60°	682.1	17.6
60°-70°	739.9	19.1
70°-80°	588.9	15.2
80°-90°	191.4	4.9
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°	3871.0	100.0
0°-180°	3871.0	100.0

**Coefficient of Utilization**



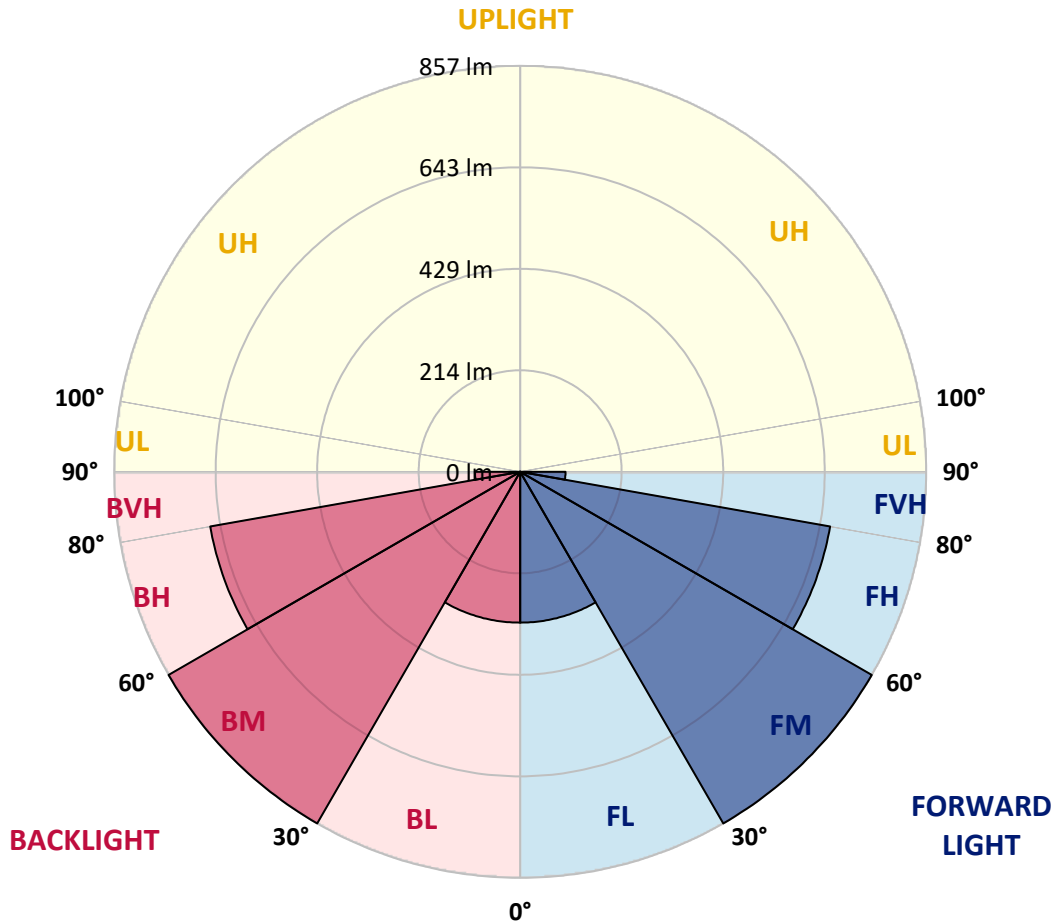
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.4	8.2			
FM (30°-60°)	857.0	22.1			
FH (60°-80°)	664.4	17.2			G1/1800
FVH (80°-90°)	95.7	2.5			G1/100
BL (0°-30°)	318.4	8.2	B1/500		
BM (30°-60°)	857.0	22.1	B1/1000		
BH (60°-80°)	664.4	17.2	B2/1000		G1/1800
BVH (80°-90°)	95.7	2.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	772.1	771.6	772.1	771.6	771.6	771.0	771.6	771.6	771.6	771.6	771.6
5°	771.6	771.0	771.0	771.6	771.0	771.0	771.0	771.0	771.0	771.0	771.0
7.5°	769.3	769.3	769.8	769.3	769.3	769.3	769.3	769.3	769.3	769.8	769.8
10°	767.5	767.0	767.5	767.5	767.0	767.5	767.0	767.5	767.5	767.5	767.5
12.5°	765.2	764.6	765.2	765.2	764.6	764.1	764.6	764.6	765.2	765.2	765.2
15°	761.2	761.2	762.3	761.8	761.8	761.2	762.3	761.8	761.2	761.8	761.8
17.5°	758.3	758.3	759.5	760.6	760.6	760.6	760.6	760.0	758.9	759.5	758.3
20°	758.9	759.5	760.0	761.8	762.9	763.5	763.5	761.8	760.0	760.6	760.0
22.5°	757.2	756.6	757.2	758.3	760.0	760.0	760.0	757.7	757.2	756.6	756.6
25°	750.3	750.3	751.4	752.6	753.7	753.1	753.7	752.6	751.4	750.3	750.3
27.5°	742.2	742.2	743.9	745.1	746.2	746.2	745.6	744.5	743.9	742.8	742.2
30°	734.1	734.1	735.9	737.0	738.7	738.2	738.2	736.4	734.7	733.6	733.6
32.5°	725.5	724.9	726.6	729.5	731.8	731.8	731.8	728.4	726.1	724.9	724.3
35°	718.0	718.0	720.3	725.5	728.4	728.4	727.2	724.9	719.7	718.0	718.0
37.5°	715.7	717.4	723.8	731.3	737.0	738.2	736.4	730.1	723.2	718.0	716.3
40°	723.2	724.9	733.0	745.1	753.7	755.4	753.7	744.5	732.4	724.3	723.8
42.5°	724.3	725.5	735.3	749.1	757.2	760.0	757.2	748.0	734.7	724.9	724.3
45°	720.3	720.9	732.4	746.8	756.6	760.0	756.6	745.6	731.8	720.9	720.3
47.5°	715.1	716.3	729.0	743.9	756.0	758.3	755.4	743.3	727.8	716.9	715.1
50°	711.1	714.6	726.1	742.8	757.2	764.1	757.2	741.0	725.5	713.4	711.1
52.5°	713.4	714.6	729.5	753.1	772.7	775.6	772.1	753.1	728.4	714.6	712.8
55°	720.3	725.5	741.6	775.6	793.4	798.6	791.1	774.4	742.2	725.5	720.3
57.5°	729.5	731.3	754.3	784.2	810.7	826.3	811.3	783.7	756.0	730.1	729.0
60°	722.0	716.9	745.6	780.8	816.5	822.8	814.2	781.3	744.5	716.3	721.5
62.5°	701.9	705.3	729.0	777.3	802.1	809.0	799.8	777.3	727.8	708.2	700.2
65°	685.8	706.5	732.4	767.0	806.7	826.3	807.3	765.8	733.6	703.0	684.0
67.5°	663.3	667.3	705.9	748.5	784.2	794.0	783.7	749.1	702.5	664.5	667.3
70°	625.3	619.6	658.7	708.2	742.2	757.7	743.3	705.9	657.0	618.4	623.6
72.5°	562.5	566.0	602.3	654.7	689.8	704.8	690.4	650.6	601.1	569.5	566.0
75°	496.9	500.9	536.1	583.9	619.6	625.9	621.9	581.0	537.2	500.4	496.9
77.5°	422.1	426.1	454.9	507.3	528.6	538.4	529.7	510.2	453.7	425.5	420.9
80°	339.1	338.0	363.3	408.2	434.7	445.7	434.7	409.4	362.2	340.3	332.8
82.5°	242.4	243.6	267.2	298.3	323.6	327.0	321.9	301.1	264.9	246.4	236.1
85°	134.7	139.9	157.2	180.2	196.9	202.7	194.0	174.5	156.6	142.2	137.6
87.5°	32.2	35.1	40.9	51.8	58.2	63.9	58.2	54.1	38.6	35.1	32.2
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)