

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: P197632

Luminaire Tested: **TT-C1-LED-E1-5MQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197632
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-C1-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: 3631.3 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

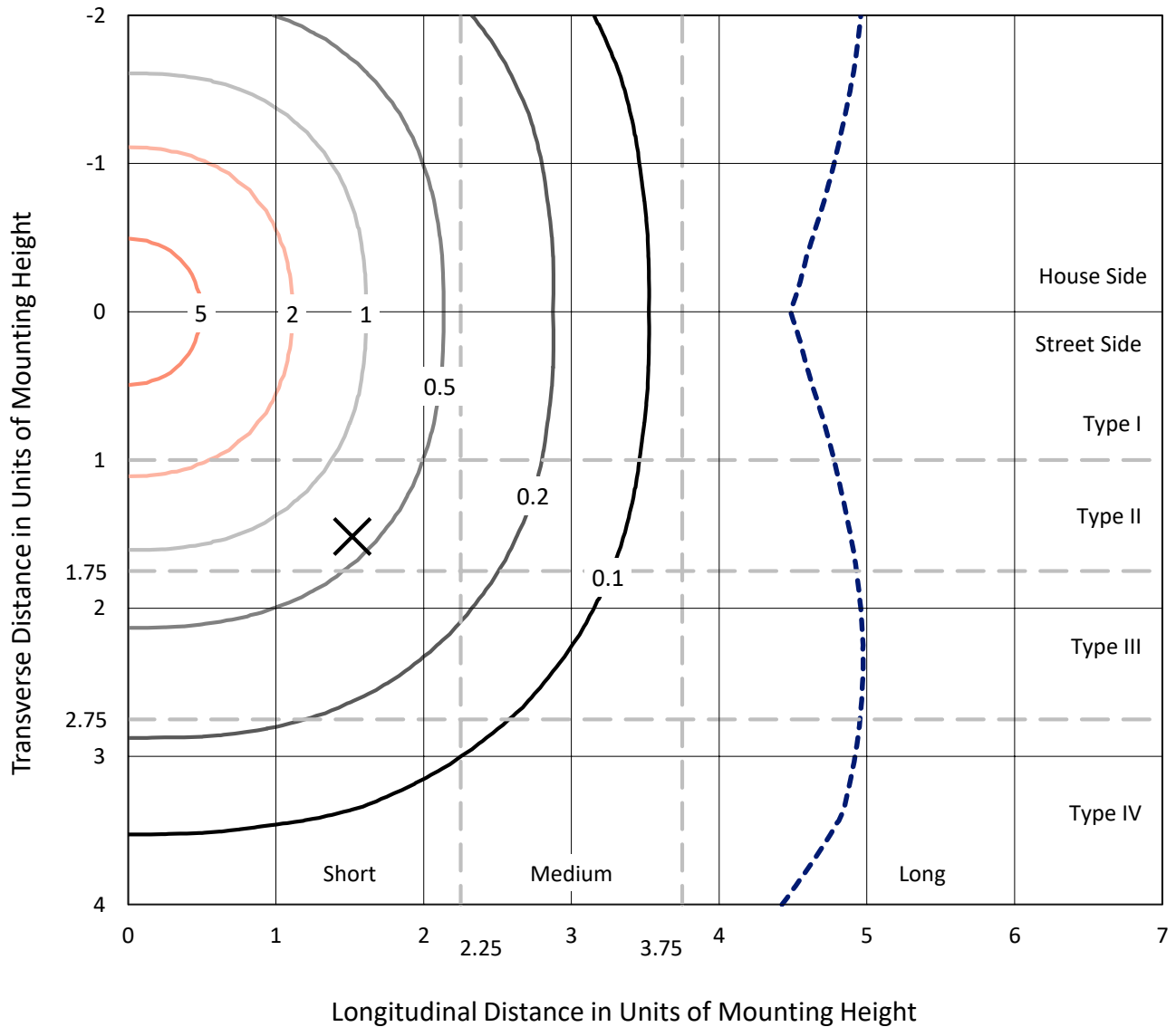
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

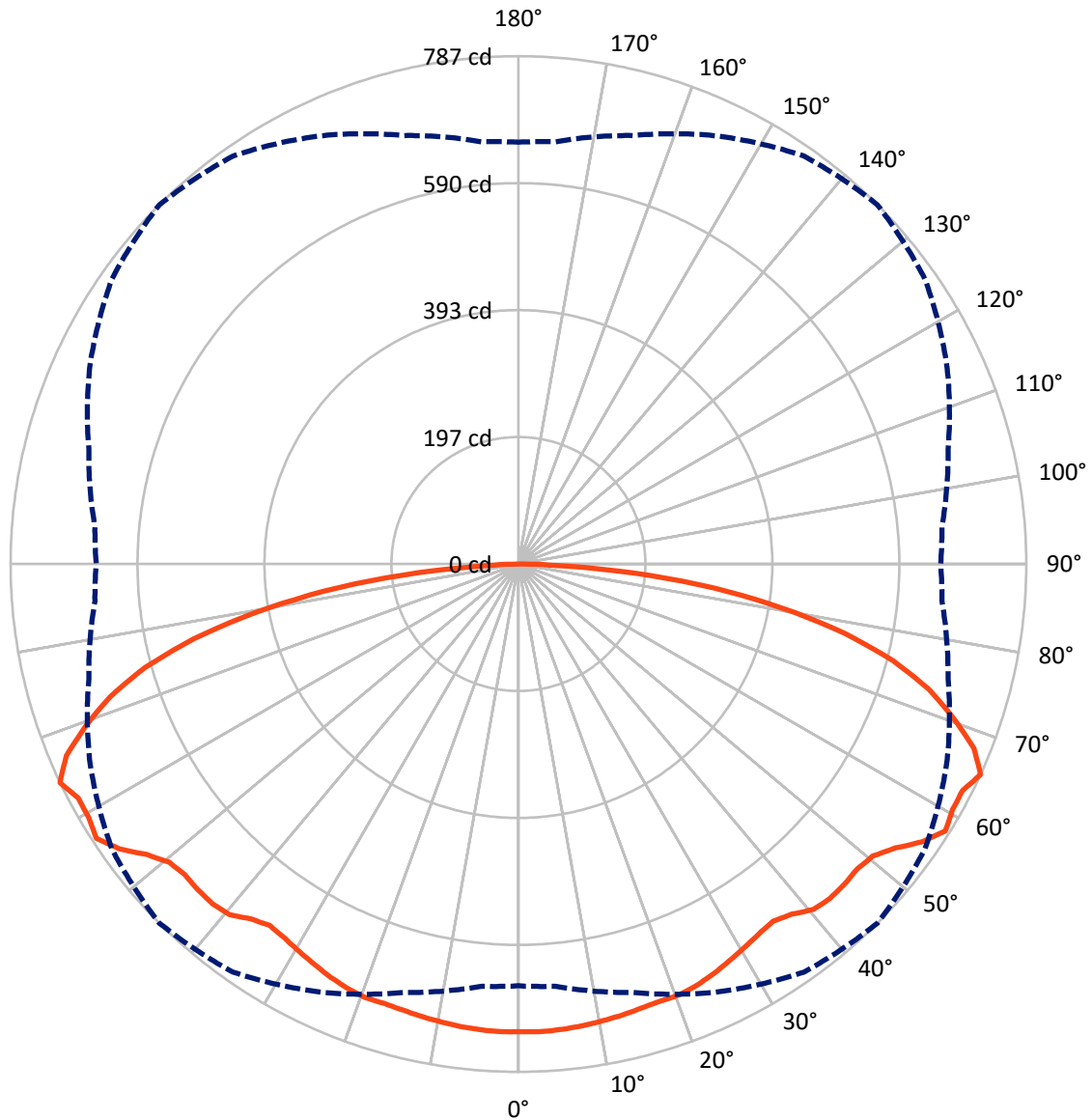
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 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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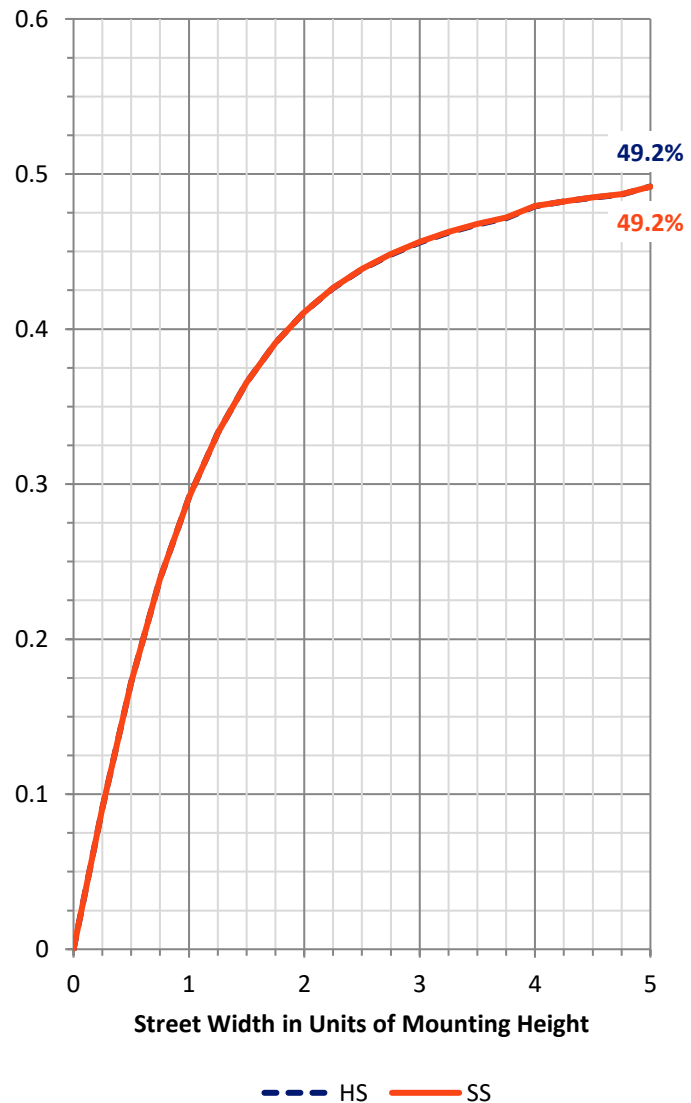
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1815.7	0.0	1815.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1815.7	0.0	1815.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3631.3	0.0	3631.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.9
10°-20°	202.3	5.6
20°-30°	323.6	8.9
30°-40°	427.5	11.8
40°-50°	534.4	14.7
50°-60°	641.5	17.7
60°-70°	701.2	19.3
70°-80°	557.2	15.3
80°-90°	174.7	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°	3631.3	100.0
0°-180°	3631.3	100.0



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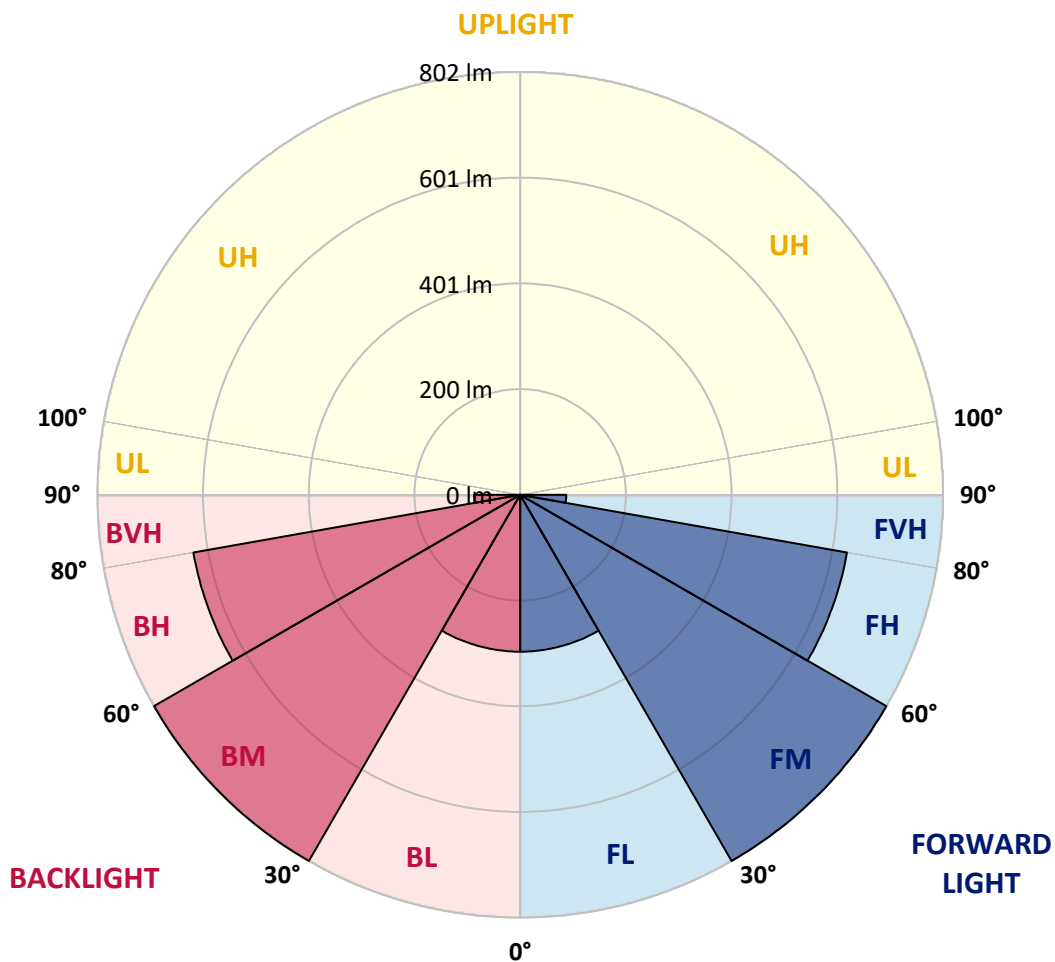
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.4	8.2			
FM (30°-60°)	801.7	22.1			
FH (60°-80°)	629.2	17.3			G0/660
FVH (80°-90°)	87.3	2.4			G1/100
BL (0°-30°)	297.4	8.2	B1/500		
BM (30°-60°)	801.7	22.1	B1/1000		
BH (60°-80°)	629.2	17.3	B2/1000		G0/660
BVH (80°-90°)	87.3	2.4			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°	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5
2.5°	725.1	725.1	725.1	725.1	724.5	725.1	724.5	724.5	725.1	725.1	725.1
5°	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9	723.9
7.5°	722.0	722.0	722.0	722.0	722.0	722.0	722.0	722.0	722.0	722.0	722.0
10°	719.4	720.1	720.1	720.1	719.4	719.4	719.4	720.1	720.1	719.4	719.4
12.5°	716.9	716.9	717.5	716.9	716.9	716.9	716.9	716.9	716.9	716.9	716.2
15°	713.1	713.1	713.7	713.7	713.7	713.7	713.7	713.1	713.1	712.4	712.4
17.5°	709.9	709.9	711.2	711.2	711.8	711.8	711.8	710.5	710.5	709.3	709.3
20°	709.3	709.3	709.9	711.2	711.8	712.4	711.8	710.5	709.3	708.0	708.0
22.5°	704.8	705.5	706.7	707.4	708.6	708.6	708.6	706.7	706.1	704.8	704.8
25°	699.1	698.5	700.4	701.7	702.9	702.9	702.3	701.0	700.4	698.5	698.5
27.5°	690.2	690.9	692.1	694.0	695.9	695.9	695.3	694.0	692.8	691.5	690.9
30°	682.6	683.3	684.5	686.4	687.7	689.6	687.7	686.4	684.5	683.9	683.3
32.5°	674.4	675.0	676.9	680.1	682.0	683.3	682.0	680.7	677.5	675.6	675.0
35°	668.7	669.3	671.2	675.6	679.5	679.5	679.5	676.3	672.5	669.3	668.7
37.5°	669.3	670.6	675.0	681.4	687.7	688.3	687.7	681.4	675.6	670.6	669.9
40°	674.4	675.6	683.3	692.8	701.0	703.6	701.7	692.8	683.9	676.9	675.0
42.5°	673.7	675.6	683.9	695.9	704.2	708.0	704.2	695.9	685.2	677.5	675.0
45°	671.2	672.5	681.4	694.0	704.2	708.0	704.8	695.3	683.3	674.4	672.5
47.5°	667.4	668.7	675.6	690.9	702.3	706.1	702.9	692.8	677.5	670.6	669.3
50°	662.3	666.1	677.5	693.4	708.6	711.2	709.3	694.7	678.8	668.7	663.6
52.5°	667.4	666.8	680.1	708.6	722.6	730.8	724.5	707.4	683.3	669.9	668.7
55°	678.8	683.9	698.5	725.1	748.0	759.4	750.5	727.0	699.8	683.3	680.1
57.5°	678.2	684.5	710.5	737.2	772.1	779.7	769.5	740.4	709.3	687.7	679.5
60°	674.4	676.9	696.6	744.2	763.8	772.7	763.8	741.0	701.7	677.5	677.5
62.5°	661.7	666.1	697.2	730.2	758.1	772.1	761.3	732.7	696.6	670.6	662.3
65°	653.4	656.6	687.1	731.5	771.4	786.7	768.9	732.1	689.0	658.5	654.1
67.5°	627.4	633.1	661.7	709.9	748.6	760.7	753.7	708.6	661.7	633.8	626.8
70°	583.0	586.2	625.5	671.2	706.7	715.0	704.8	675.6	621.7	590.6	581.1
72.5°	528.5	532.9	569.1	619.8	654.1	664.9	652.8	621.7	565.9	538.0	529.1
75°	473.3	477.7	501.2	556.4	584.9	600.1	586.2	552.6	502.5	475.2	471.4
77.5°	394.0	400.9	437.1	473.9	501.2	517.0	505.0	473.9	434.6	402.2	390.2
80°	309.6	314.7	348.3	380.6	405.4	415.5	409.8	380.6	348.9	315.9	310.2
82.5°	217.0	220.1	249.3	275.3	305.8	305.8	299.4	280.4	248.7	220.1	221.4
85°	116.1	119.9	142.1	162.4	181.4	181.4	175.7	163.7	141.5	119.3	116.7
87.5°	23.5	26.0	34.3	37.4	44.4	47.6	43.1	39.3	34.3	27.3	27.3
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)