

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: P197633

Luminaire Tested: **TT-C2-LED-E1-5MQ-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197633
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-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4073.9 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

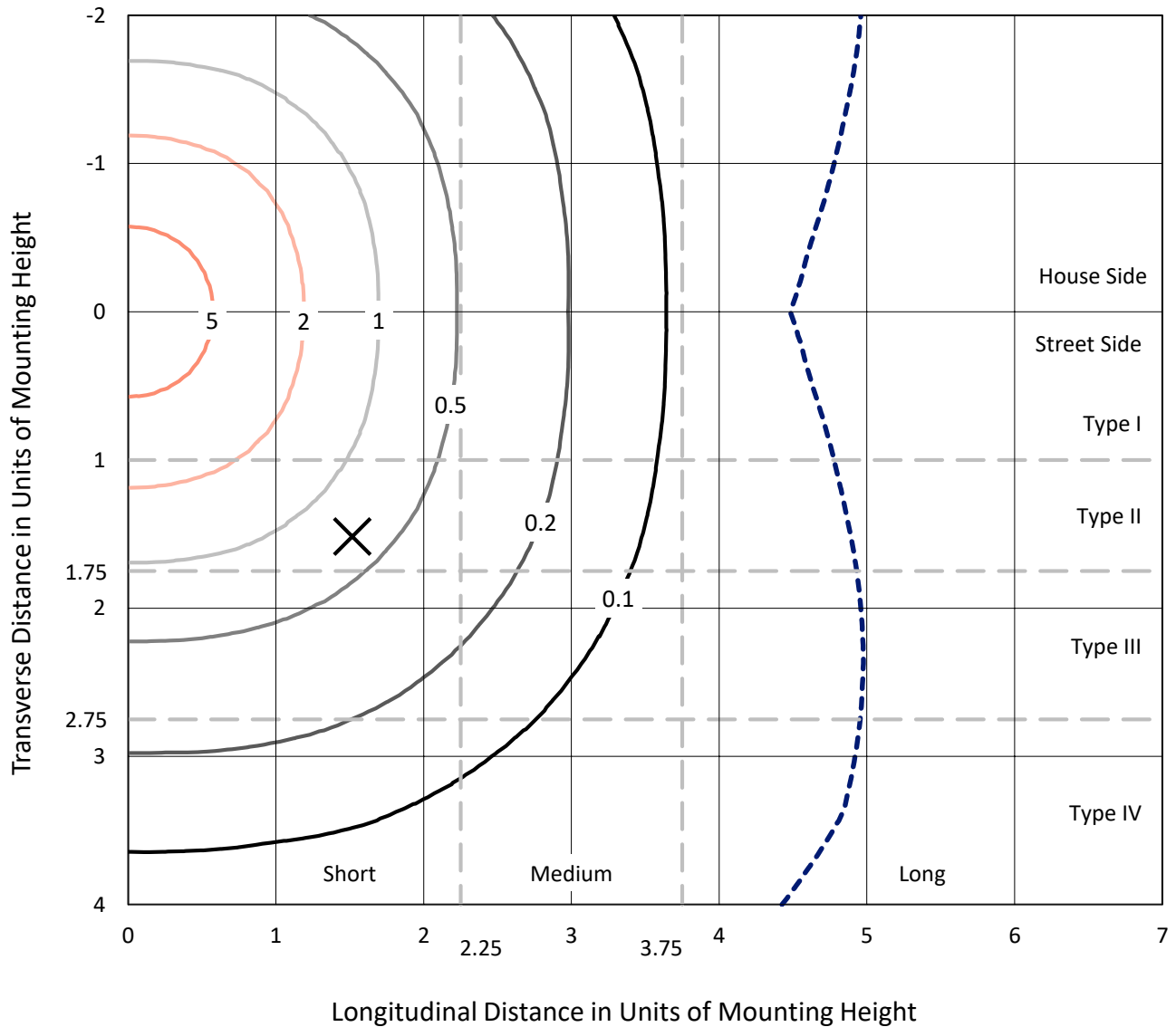
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

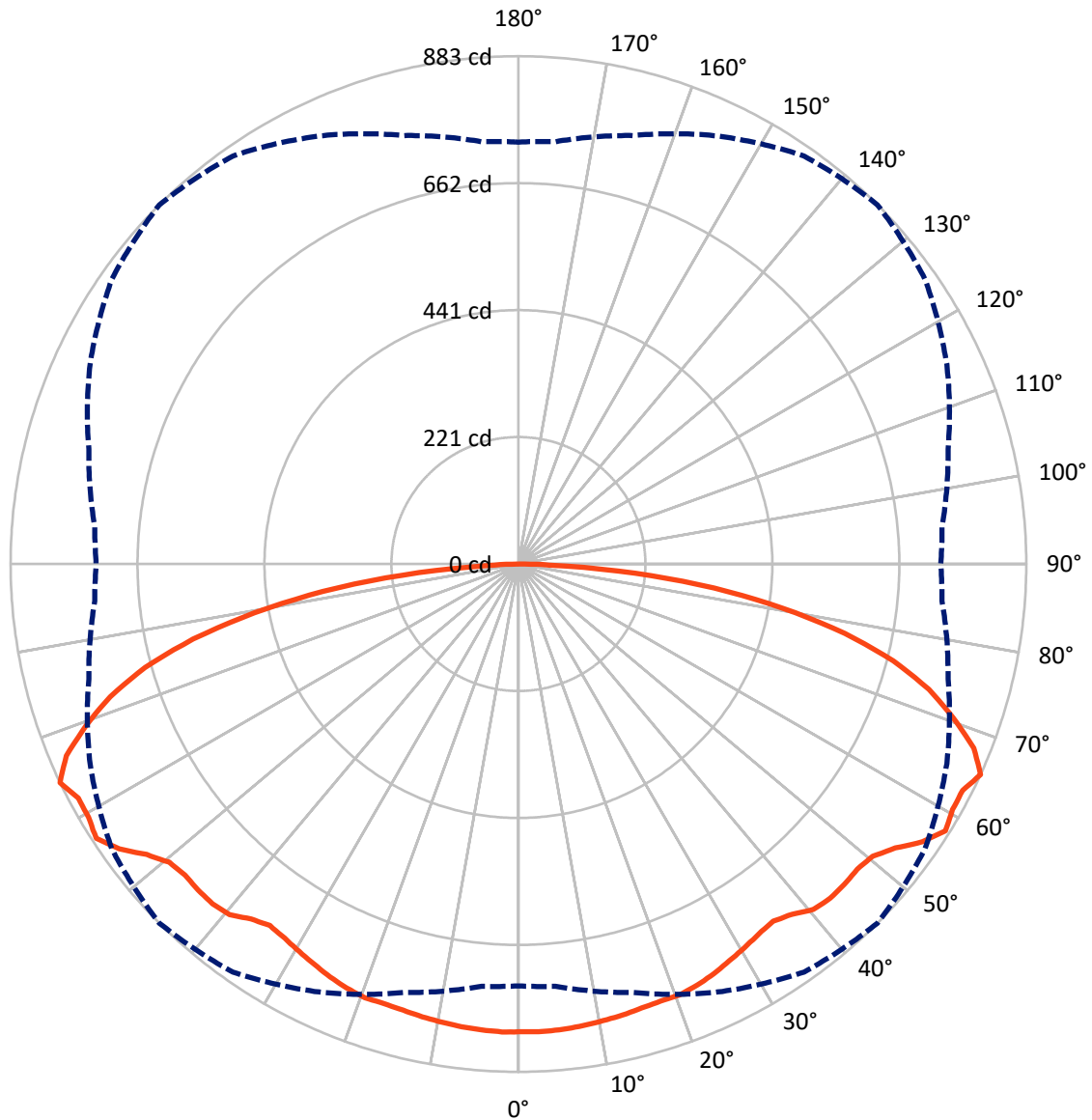
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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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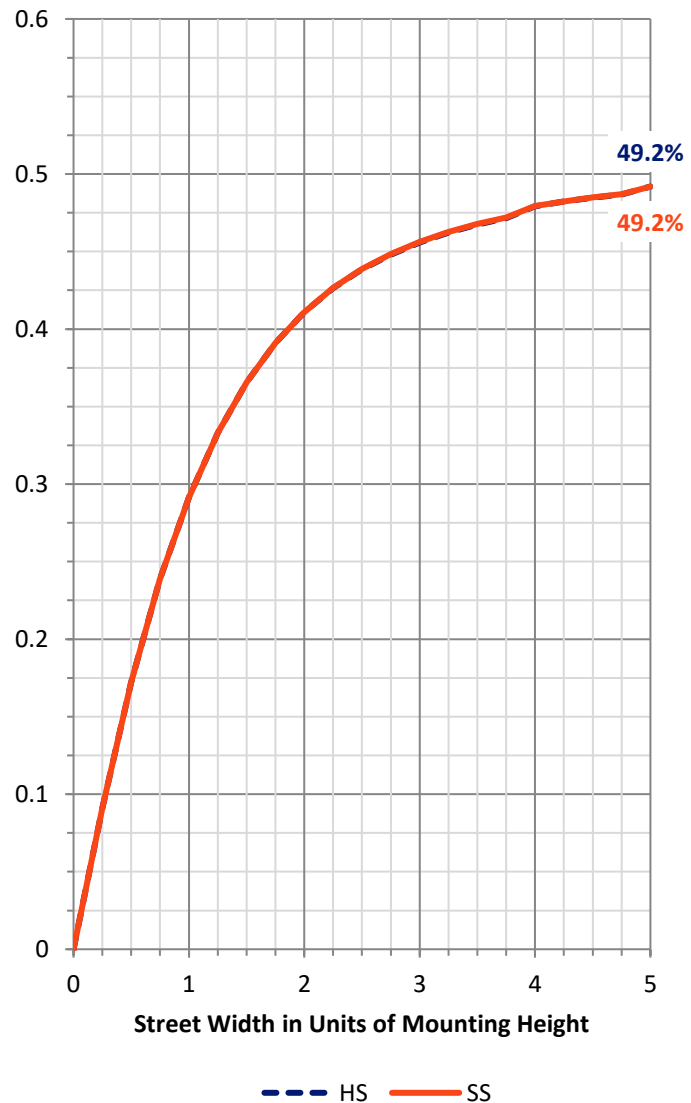
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2037.0	0.0	2037.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2037.0	0.0	2037.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4073.9	0.0	4073.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	1.9
10°-20°	226.9	5.6
20°-30°	363.1	8.9
30°-40°	479.6	11.8
40°-50°	599.5	14.7
50°-60°	719.7	17.7
60°-70°	786.7	19.3
70°-80°	625.1	15.3
80°-90°	196.0	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°	4073.9	100.0
0°-180°	4073.9	100.0



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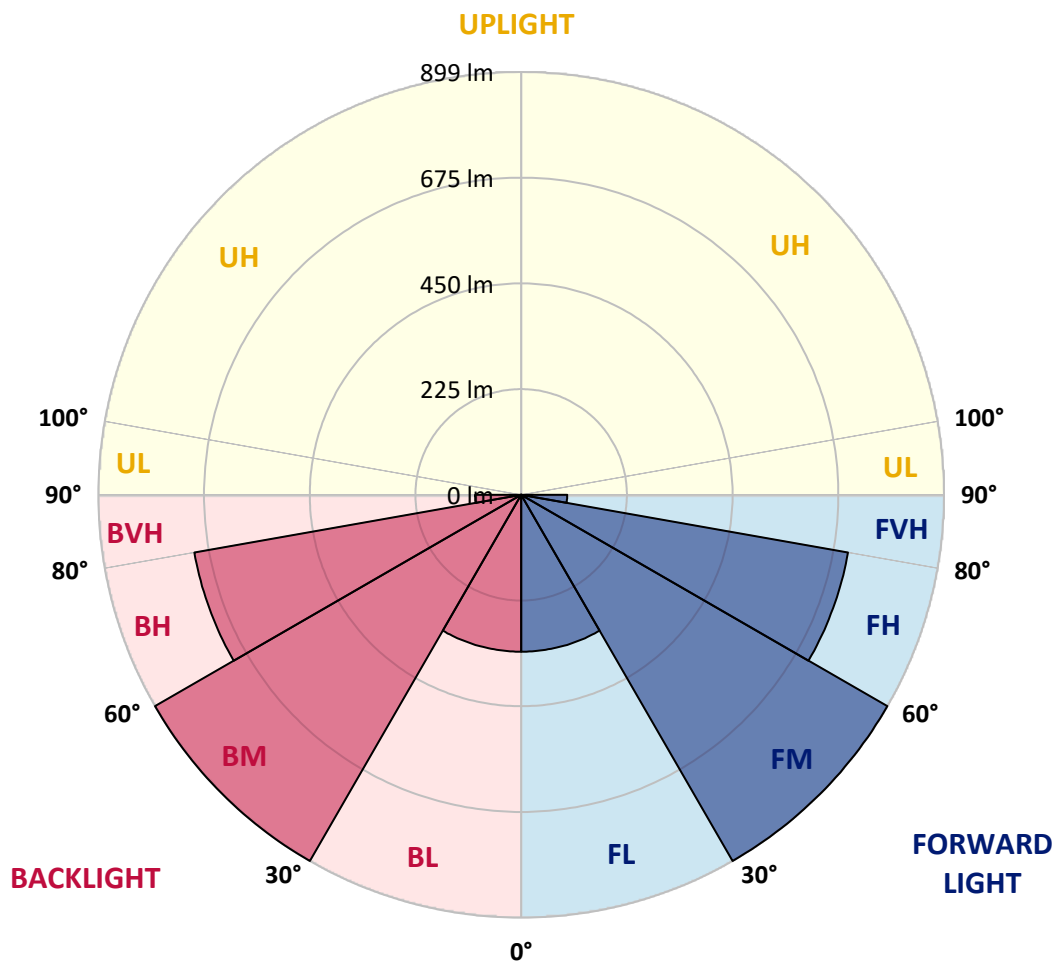
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.7	8.2			
FM	(30°-60°)	899.4	22.1			
FH	(60°-80°)	705.9	17.3			G1/1800
FVH	(80°-90°)	98.0	2.4			G1/100
BL	(0°-30°)	333.7	8.2	B1/500		
BM	(30°-60°)	899.4	22.1	B1/1000		
BH	(60°-80°)	705.9	17.3	B2/1000		G1/1800
BVH	(80°-90°)	98.0	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°	812.8	812.8	812.8	812.8	812.8	812.8	812.8	812.8	812.8	812.8	812.8
2.5°	813.5	813.5	813.5	813.5	812.8	813.5	812.8	812.8	813.5	813.5	813.5
5°	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1	812.1
7.5°	810.0	810.0	810.0	810.0	810.0	810.0	810.0	810.0	810.0	810.0	810.0
10°	807.1	807.8	807.8	807.8	807.1	807.1	807.1	807.8	807.8	807.1	807.1
12.5°	804.3	804.3	805.0	804.3	804.3	804.3	804.3	804.3	804.3	804.3	803.5
15°	800.0	800.0	800.7	800.7	800.7	800.7	800.7	800.0	800.0	799.3	799.3
17.5°	796.4	796.4	797.9	797.9	798.6	798.6	798.6	797.1	797.1	795.7	795.7
20°	795.7	795.7	796.4	797.9	798.6	799.3	798.6	797.1	795.7	794.3	794.3
22.5°	790.7	791.4	792.9	793.6	795.0	795.0	795.0	792.9	792.2	790.7	790.7
25°	784.3	783.6	785.8	787.2	788.6	788.6	787.9	786.5	785.8	783.6	783.6
27.5°	774.4	775.1	776.5	778.6	780.8	780.8	780.1	778.6	777.2	775.8	775.1
30°	765.8	766.5	768.0	770.1	771.5	773.7	771.5	770.1	768.0	767.2	766.5
32.5°	756.6	757.3	759.4	763.0	765.1	766.5	765.1	763.7	760.1	758.0	757.3
35°	750.2	750.9	753.0	758.0	762.3	762.3	762.3	758.7	754.4	750.9	750.2
37.5°	750.9	752.3	757.3	764.4	771.5	772.2	771.5	764.4	758.0	752.3	751.6
40°	756.6	758.0	766.5	777.2	786.5	789.3	787.2	777.2	767.2	759.4	757.3
42.5°	755.9	758.0	767.2	780.8	790.0	794.3	790.0	780.8	768.7	760.1	757.3
45°	753.0	754.4	764.4	778.6	790.0	794.3	790.7	780.1	766.5	756.6	754.4
47.5°	748.7	750.2	758.0	775.1	787.9	792.2	788.6	777.2	760.1	752.3	750.9
50°	743.0	747.3	760.1	777.9	795.0	797.9	795.7	779.3	761.6	750.2	744.5
52.5°	748.7	748.0	763.0	795.0	810.7	819.9	812.8	793.6	766.5	751.6	750.2
55°	761.6	767.2	783.6	813.5	839.1	851.9	842.0	815.6	785.0	766.5	763.0
57.5°	760.8	768.0	797.1	827.0	866.2	874.7	863.3	830.6	795.7	771.5	762.3
60°	756.6	759.4	781.5	834.9	856.9	866.9	856.9	831.3	787.2	760.1	760.1
62.5°	742.3	747.3	782.2	819.2	850.5	866.2	854.1	822.1	781.5	752.3	743.0
65°	733.1	736.6	770.8	820.6	865.5	882.5	862.6	821.3	772.9	738.8	733.8
67.5°	703.9	710.3	742.3	796.4	839.8	853.4	845.5	795.0	742.3	711.0	703.2
70°	654.1	657.6	701.8	753.0	792.9	802.1	790.7	758.0	697.5	662.6	651.9
72.5°	592.9	597.9	638.4	695.4	733.8	745.9	732.4	697.5	634.9	603.5	593.6
75°	531.0	535.9	562.3	624.2	656.2	673.3	657.6	619.9	563.7	533.1	528.8
77.5°	442.0	449.8	490.4	531.7	562.3	580.1	566.5	531.7	487.5	451.2	437.7
80°	347.3	353.0	390.7	427.0	454.8	466.2	459.8	427.0	391.5	354.4	348.0
82.5°	243.4	247.0	279.7	308.9	343.1	343.1	335.9	314.6	279.0	247.0	248.4
85°	130.2	134.5	159.4	182.2	203.6	203.6	197.1	183.6	158.7	133.8	131.0
87.5°	26.3	29.2	38.4	42.0	49.8	53.4	48.4	44.1	38.4	30.6	30.6
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)