

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: P197557

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197557
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-C1-LED-E1-5CQ-PM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3293.6 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

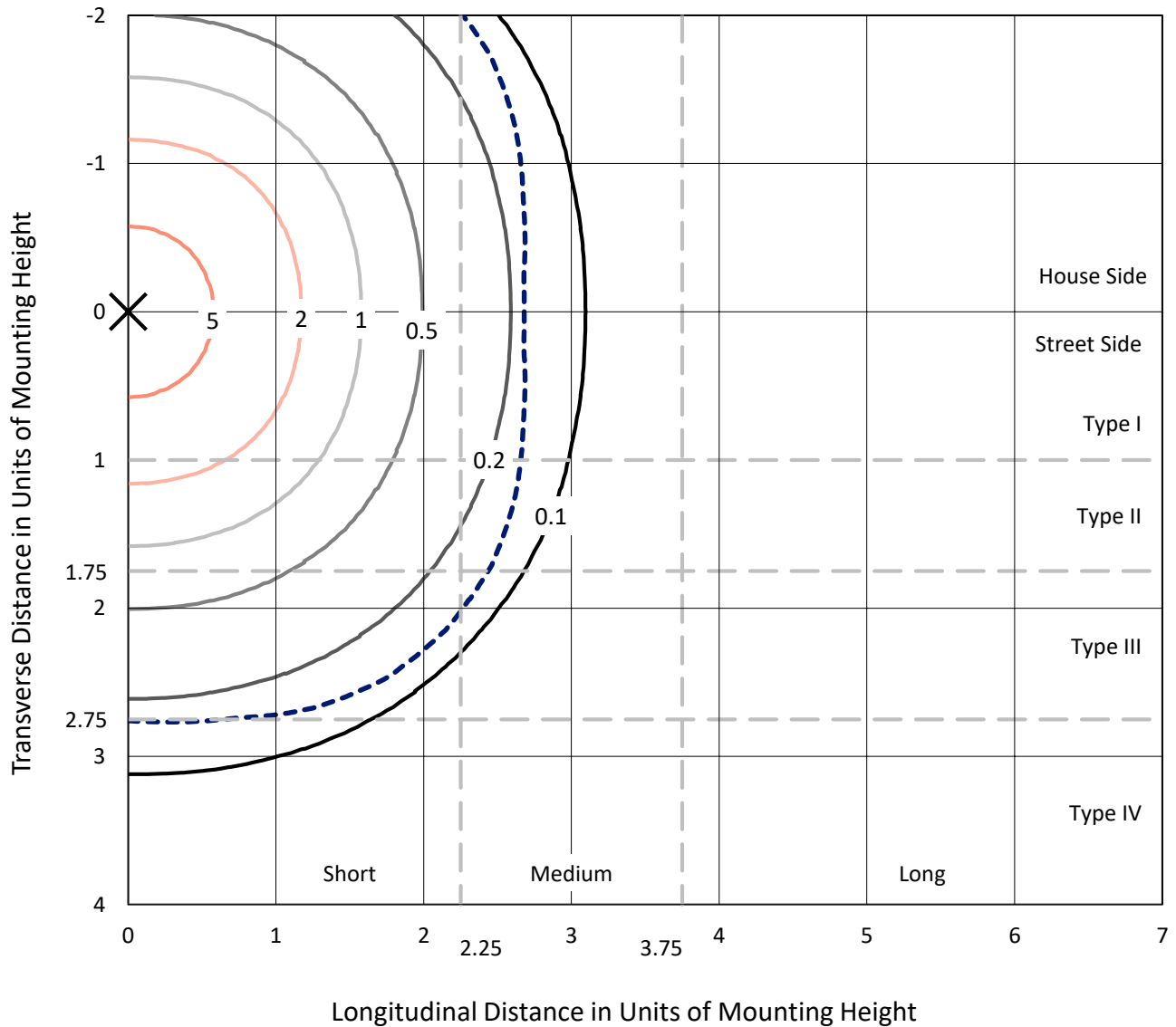
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

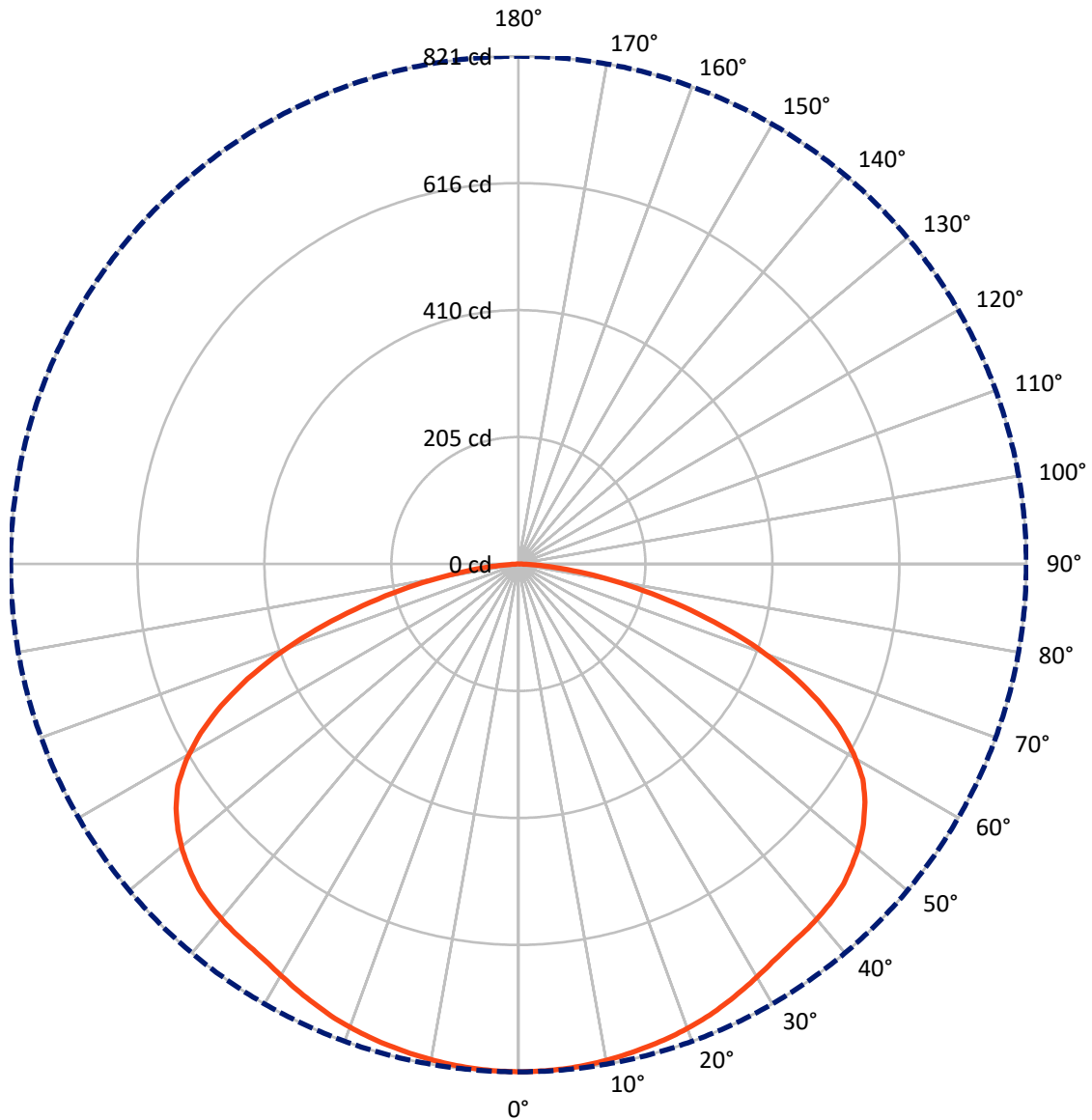
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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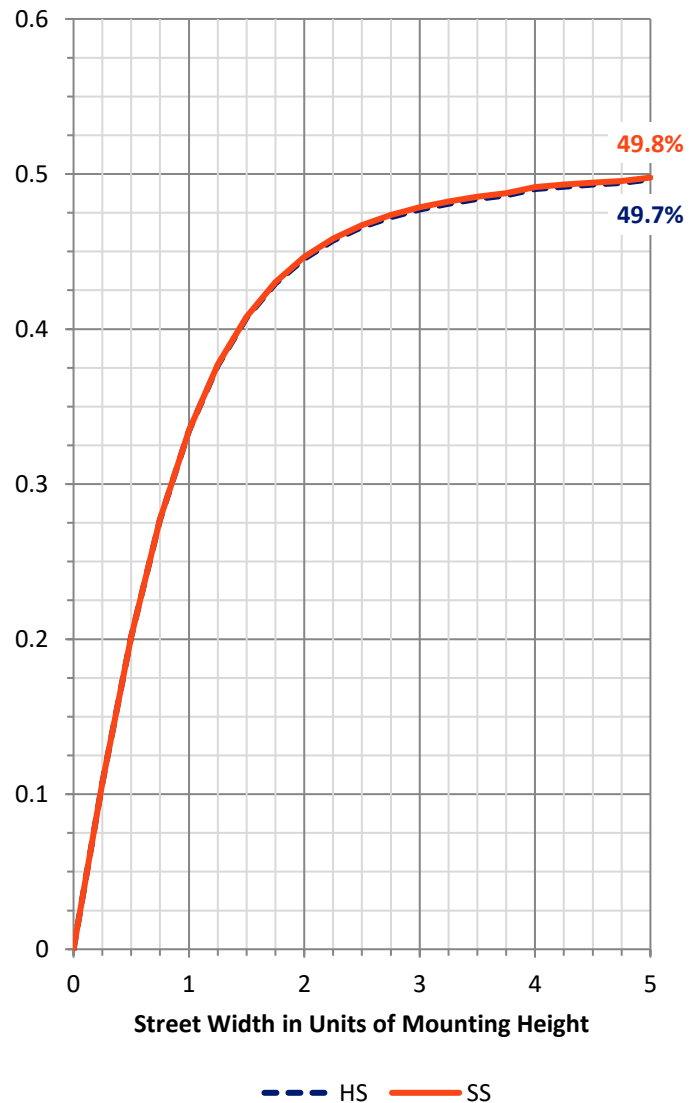
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1646.8	0.0	1646.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1646.8	0.0	1646.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3293.6	0.0	3293.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.4
10°-20°	228.4	6.9
20°-30°	363.4	11.0
30°-40°	480.6	14.6
40°-50°	586.4	17.8
50°-60°	633.3	19.2
60°-70°	548.5	16.7
70°-80°	311.0	9.4
80°-90°	64.0	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°	3293.6	100.0
0°-180°	3293.6	100.0



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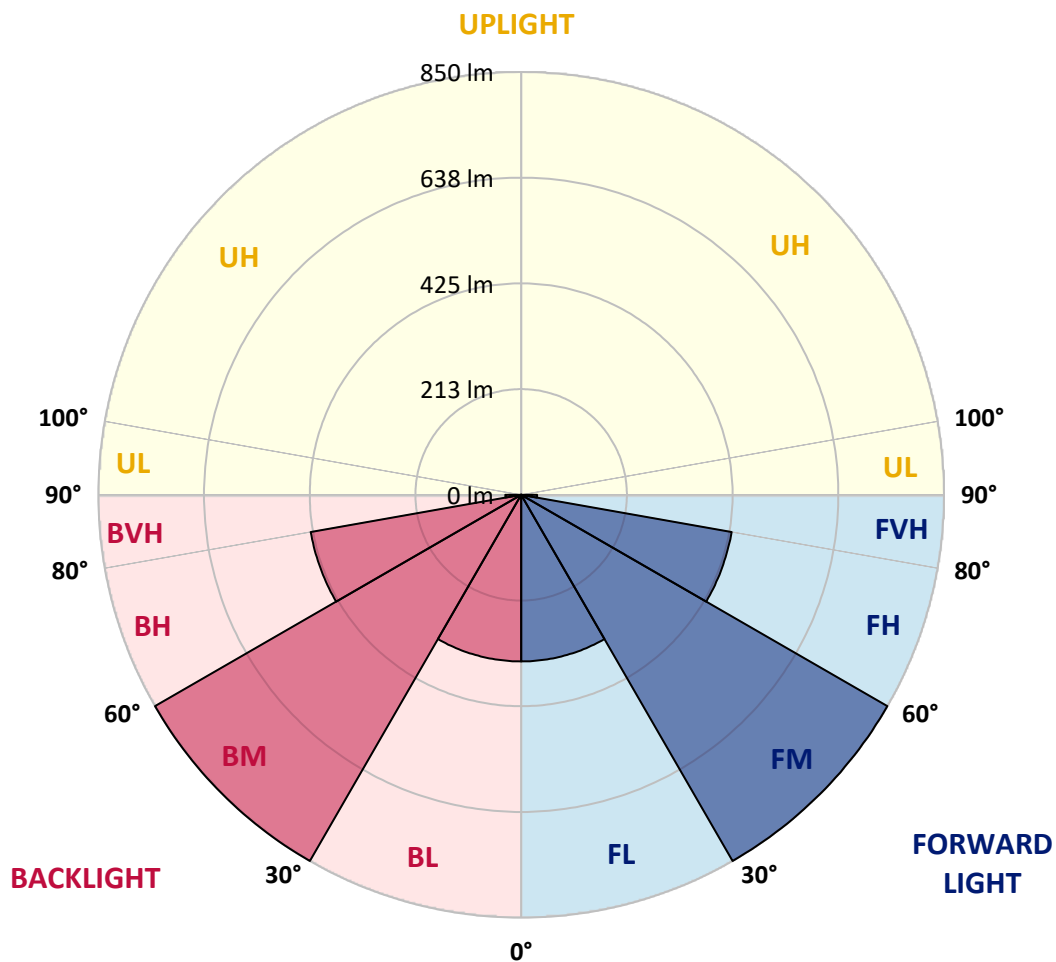
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	334.9	10.2			
FM	(30°-60°)	850.2	25.8			
FH	(60°-80°)	429.7	13.0			G0/660
FVH	(80°-90°)	32.0	1.0			G1/100
BL	(0°-30°)	334.9	10.2	B1/500		
BM	(30°-60°)	850.2	25.8	B1/1000		
BH	(60°-80°)	429.7	13.0	B1/500		G0/660
BVH	(80°-90°)	32.0	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8
2.5°	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2
5°	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1	819.1
7.5°	816.8	816.8	816.8	816.8	816.8	817.4	816.8	816.8	816.8	816.8	817.4
10°	814.0	814.0	814.6	814.6	814.0	814.0	814.0	814.0	814.0	814.0	814.0
12.5°	810.6	810.6	810.6	810.6	810.6	810.6	810.6	810.6	810.0	810.0	810.0
15°	806.7	806.7	806.7	807.2	807.2	807.2	807.2	806.7	806.1	805.5	806.1
17.5°	802.7	802.7	803.3	803.8	803.8	803.8	803.8	802.7	802.1	801.5	801.5
20°	797.6	798.1	798.1	798.7	799.2	799.2	799.2	798.7	797.6	796.4	796.4
22.5°	791.9	792.4	793.0	793.6	794.2	793.6	793.6	793.0	791.9	791.3	790.8
25°	784.5	784.5	785.7	786.7	787.3	787.3	787.3	786.3	785.1	784.5	783.9
27.5°	777.2	777.2	778.3	780.0	780.6	781.1	780.0	779.4	777.8	776.6	776.6
30°	769.2	769.2	770.9	773.2	774.9	775.4	774.9	772.6	770.3	769.2	769.2
32.5°	761.8	762.4	764.1	767.5	770.3	771.5	770.9	768.1	765.3	763.0	762.4
35°	756.2	756.8	760.2	764.1	768.7	770.3	768.7	765.9	761.3	757.8	757.8
37.5°	752.8	752.8	757.4	764.1	769.2	771.5	769.2	765.3	759.0	754.5	754.5
40°	748.8	749.9	755.6	764.1	771.5	774.9	772.0	766.3	758.4	752.8	752.2
42.5°	743.7	745.4	751.7	763.0	772.0	777.2	774.3	767.5	757.8	751.7	751.1
45°	736.9	737.4	745.4	759.0	770.9	777.8	775.4	766.9	756.2	748.8	747.7
47.5°	726.1	727.3	736.9	752.8	767.5	774.9	773.2	763.5	749.9	741.4	739.8
50°	713.7	714.8	726.1	744.3	760.7	769.2	766.3	754.5	739.8	728.4	727.3
52.5°	698.4	700.6	713.1	733.5	751.1	759.0	754.5	739.2	722.2	709.7	708.5
55°	679.6	682.0	696.1	717.6	735.2	741.4	735.2	717.0	699.0	684.8	682.0
57.5°	656.4	658.1	671.7	694.4	711.4	716.5	708.5	689.9	668.3	653.1	651.3
60°	622.4	624.6	640.6	661.6	678.5	684.8	676.8	654.1	630.9	615.6	615.1
62.5°	581.6	585.6	599.1	621.8	637.1	645.6	634.9	611.6	588.4	570.8	570.8
65°	532.2	535.1	549.8	572.0	586.6	594.1	583.3	561.7	536.3	520.9	519.3
67.5°	475.6	477.9	490.9	513.6	529.4	535.7	523.8	503.3	479.5	463.1	461.4
70°	412.7	416.0	425.7	446.7	460.9	464.3	455.2	436.0	414.4	399.6	398.5
72.5°	344.1	346.9	359.4	375.8	387.1	388.3	382.6	368.5	346.3	334.5	332.7
75°	273.7	278.3	289.1	303.2	311.7	311.7	308.4	298.2	278.9	269.8	269.8
77.5°	207.4	209.8	221.1	230.7	237.5	240.9	236.9	227.8	212.6	206.4	202.9
80°	144.5	146.8	152.0	159.3	166.1	168.4	163.8	156.5	148.0	143.4	141.1
82.5°	88.4	90.7	93.6	97.5	102.1	104.3	101.5	97.0	89.6	89.0	88.4
85°	42.5	43.7	45.9	47.1	49.3	49.9	50.5	48.1	45.9	43.1	44.2
87.5°	13.0	13.0	13.6	14.2	15.3	15.3	15.3	14.7	13.6	13.0	13.0
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)