

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: P197560

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197560
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3562.9 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

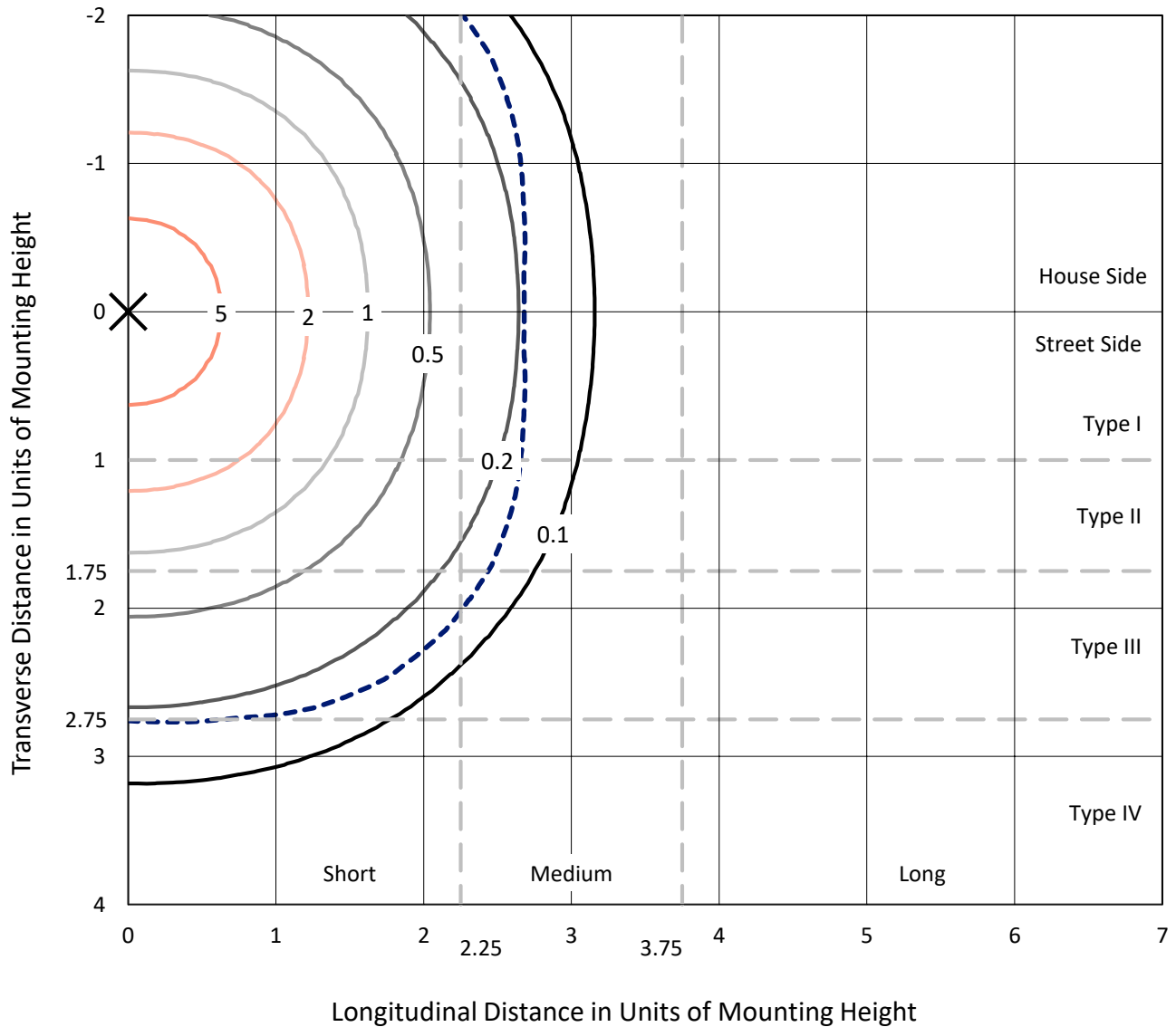
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

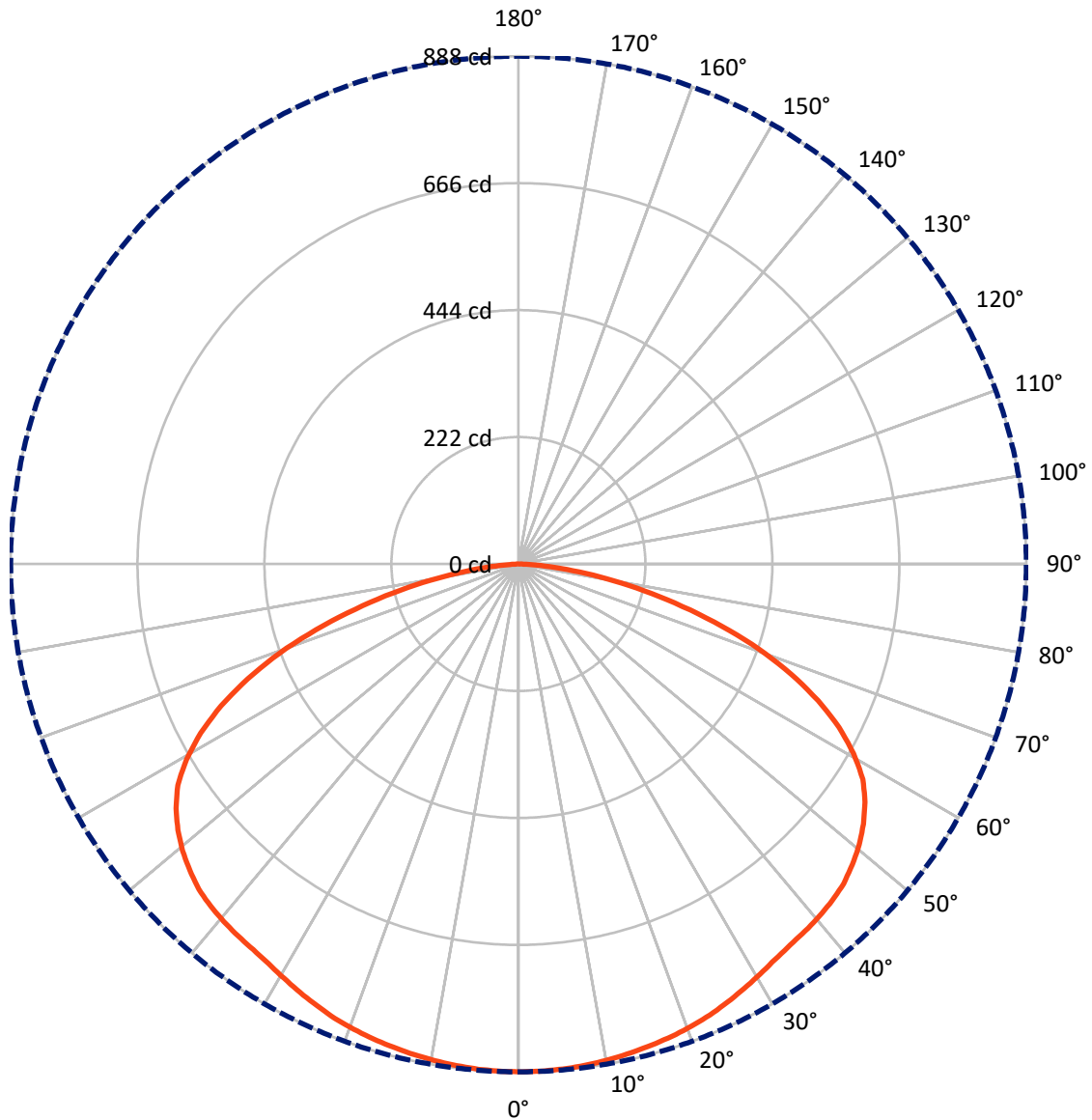
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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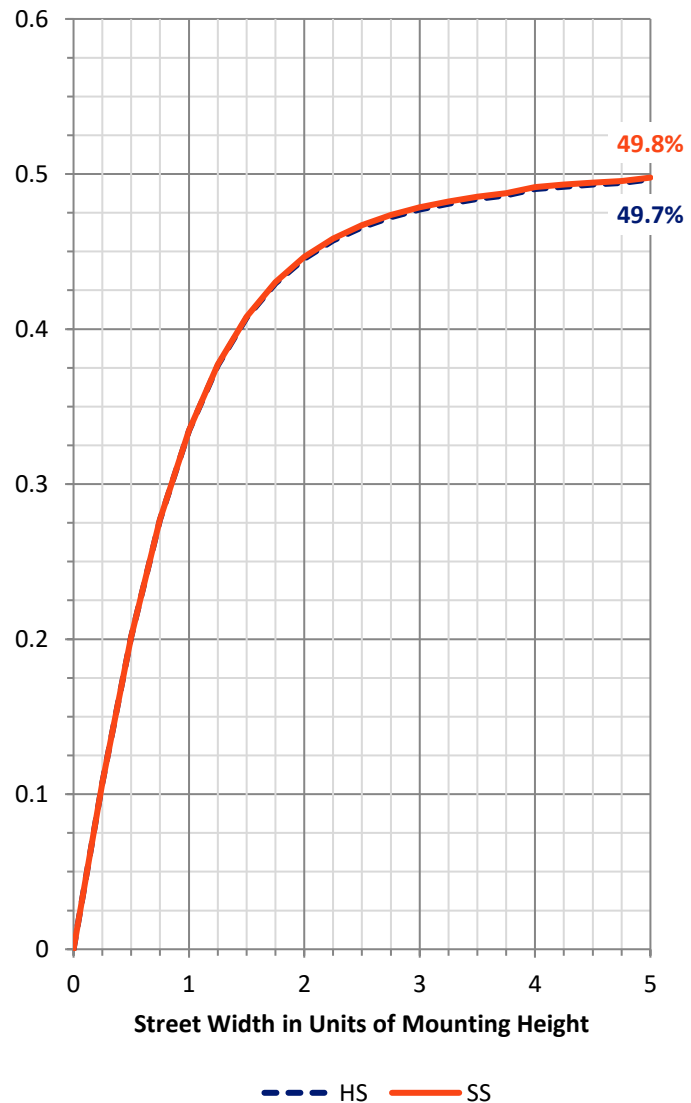
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1781.4	0.0	1781.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1781.4	0.0	1781.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3562.9	0.0	3562.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	2.4
10°-20°	247.1	6.9
20°-30°	393.1	11.0
30°-40°	519.9	14.6
40°-50°	634.4	17.8
50°-60°	685.1	19.2
60°-70°	593.3	16.7
70°-80°	336.4	9.4
80°-90°	69.2	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°	3562.9	100.0
0°-180°	3562.9	100.0



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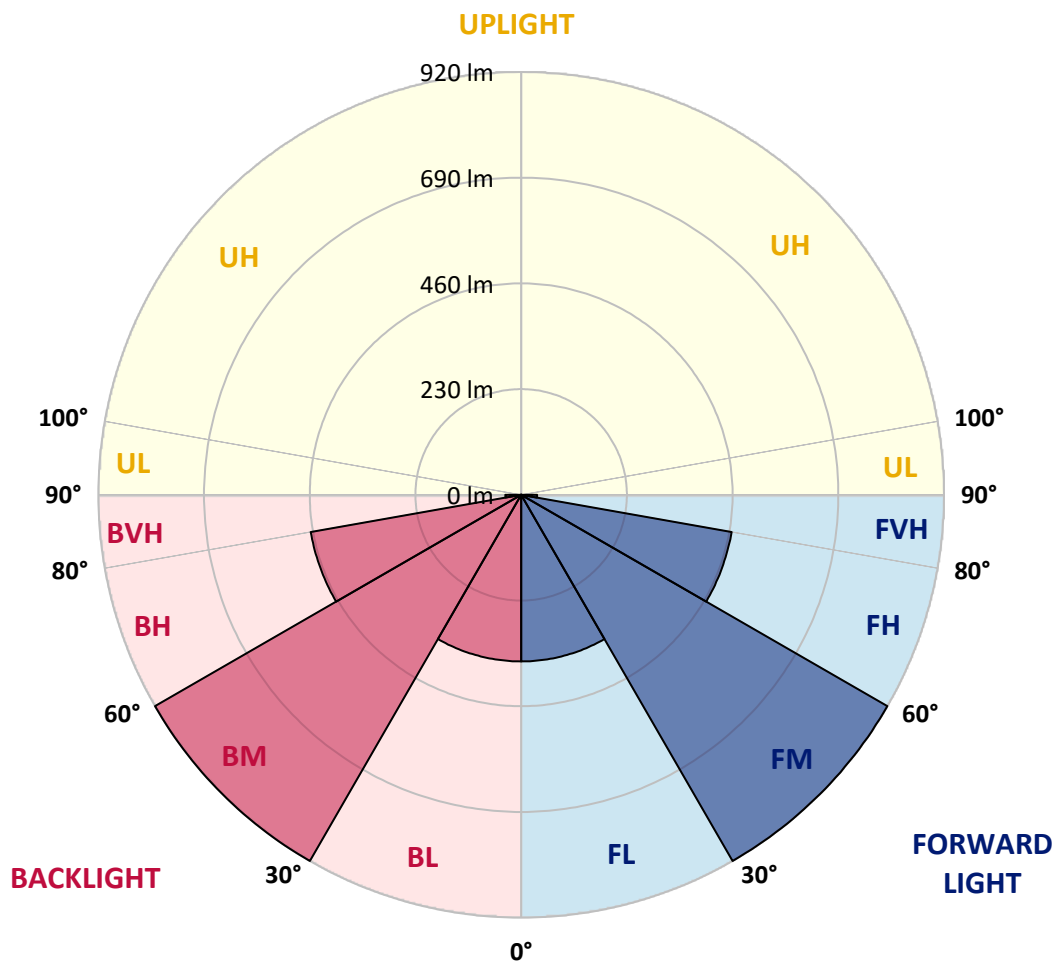
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.3	10.2			
FM	(30°-60°)	919.7	25.8			
FH	(60°-80°)	464.9	13.0			G0/660
FVH	(80°-90°)	34.6	1.0			G1/100
BL	(0°-30°)	362.3	10.2	B1/500		
BM	(30°-60°)	919.7	25.8	B1/1000		
BH	(60°-80°)	464.9	13.0	B1/500		G0/660
BVH	(80°-90°)	34.6	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°	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9
2.5°	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3
5°	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1	886.1
7.5°	883.6	883.6	883.6	883.6	883.6	884.3	883.6	883.6	883.6	883.6	884.3
10°	880.6	880.6	881.2	881.2	880.6	880.6	880.6	880.6	880.6	880.6	880.6
12.5°	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.3	876.3	876.3
15°	872.6	872.6	872.6	873.2	873.2	873.2	873.2	872.6	872.0	871.3	872.0
17.5°	868.3	868.3	868.9	869.5	869.5	869.5	869.5	868.3	867.6	867.1	867.1
20°	862.8	863.4	863.4	864.0	864.7	864.7	864.7	864.0	862.8	861.6	861.6
22.5°	856.6	857.3	857.9	858.5	859.1	858.5	858.5	857.9	856.6	856.0	855.4
25°	848.7	848.7	849.9	851.1	851.7	851.7	851.7	850.5	849.3	848.7	848.0
27.5°	840.7	840.7	841.9	843.8	844.4	845.0	843.8	843.2	841.4	840.1	840.1
30°	832.1	832.1	833.9	836.4	838.3	838.8	838.3	835.7	833.3	832.1	832.1
32.5°	824.1	824.7	826.6	830.2	833.3	834.6	833.9	830.9	827.8	825.4	824.7
35°	818.1	818.6	822.3	826.6	831.5	833.3	831.5	828.4	823.6	819.9	819.9
37.5°	814.3	814.3	819.2	826.6	832.1	834.6	832.1	827.8	821.1	816.1	816.1
40°	810.0	811.3	817.4	826.6	834.6	838.3	835.2	829.1	820.5	814.3	813.7
42.5°	804.5	806.4	813.1	825.4	835.2	840.7	837.7	830.2	819.9	813.1	812.5
45°	797.2	797.8	806.4	821.1	833.9	841.4	838.8	829.7	818.1	810.0	808.8
47.5°	785.5	786.7	797.2	814.3	830.2	838.3	836.4	826.0	811.3	802.1	800.3
50°	772.0	773.2	785.5	805.1	822.9	832.1	829.1	816.1	800.3	788.0	786.7
52.5°	755.4	757.9	771.4	793.5	812.5	821.1	816.1	799.6	781.2	767.7	766.5
55°	735.2	737.7	753.0	776.3	795.3	802.1	795.3	775.7	756.1	740.7	737.7
57.5°	710.1	711.9	726.6	751.2	769.5	775.0	766.5	746.2	722.9	706.4	704.6
60°	673.3	675.8	692.9	715.6	734.0	740.7	732.1	707.7	682.5	665.9	665.3
62.5°	629.2	633.4	648.1	672.7	689.2	698.5	686.8	661.7	636.5	617.5	617.5
65°	575.8	578.8	594.8	618.7	634.7	642.6	631.0	607.7	580.1	563.5	561.7
67.5°	514.4	517.0	531.1	555.5	572.7	579.5	566.6	544.5	518.8	501.0	499.2
70°	446.4	450.1	460.5	483.2	498.5	502.3	492.4	471.5	448.2	432.3	431.1
72.5°	372.2	375.2	388.8	406.6	418.8	420.0	413.9	398.5	374.7	361.8	360.0
75°	296.2	301.1	312.7	328.1	337.3	337.3	333.6	322.6	301.7	291.9	291.9
77.5°	224.5	226.9	239.1	249.6	256.9	260.6	256.4	246.5	230.0	223.2	219.5
80°	156.4	158.8	164.3	172.4	179.7	182.1	177.2	169.3	160.1	155.1	152.7
82.5°	95.7	98.1	101.2	105.5	110.4	112.8	109.8	104.9	96.9	96.3	95.7
85°	46.0	47.2	49.7	50.9	53.4	53.9	54.6	52.1	49.7	46.6	47.8
87.5°	14.1	14.1	14.7	15.4	16.5	16.5	16.5	15.9	14.7	14.1	14.1
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)