

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: P197559

Luminaire Tested: **TT-C1-LED-E1-5CQ-PM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197559  
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-7050  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION  
Light Source: (168) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3645.6 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

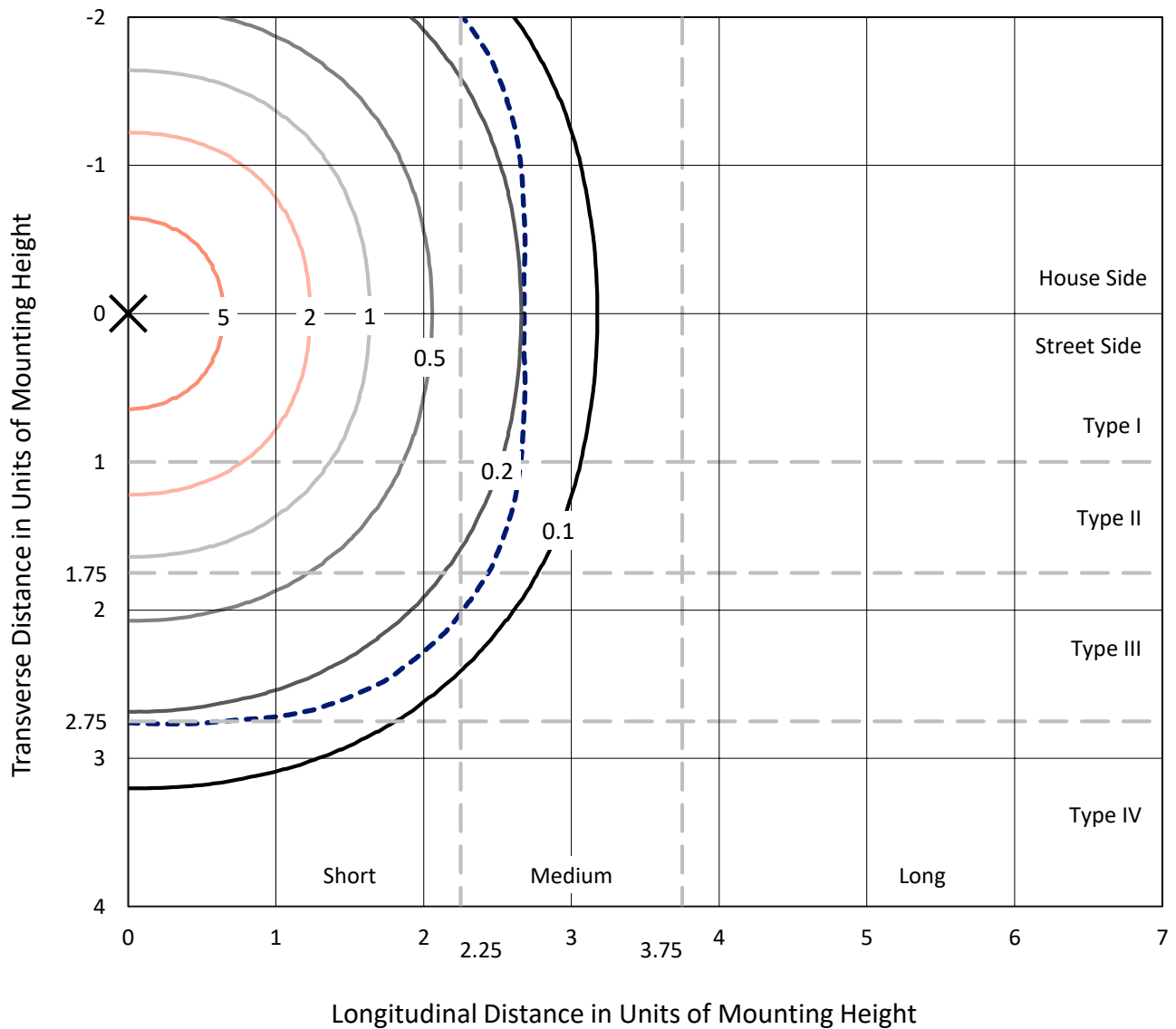
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

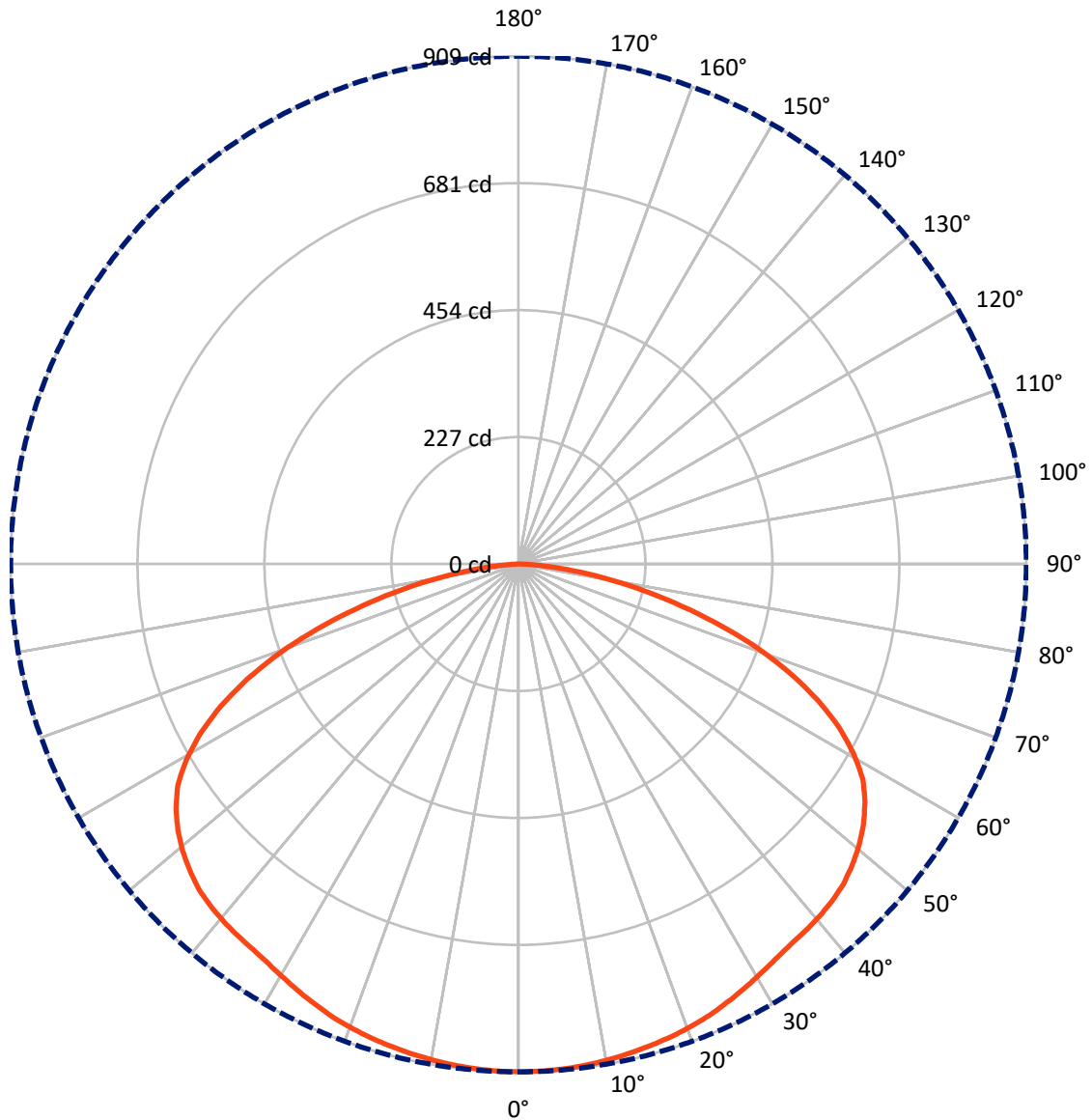
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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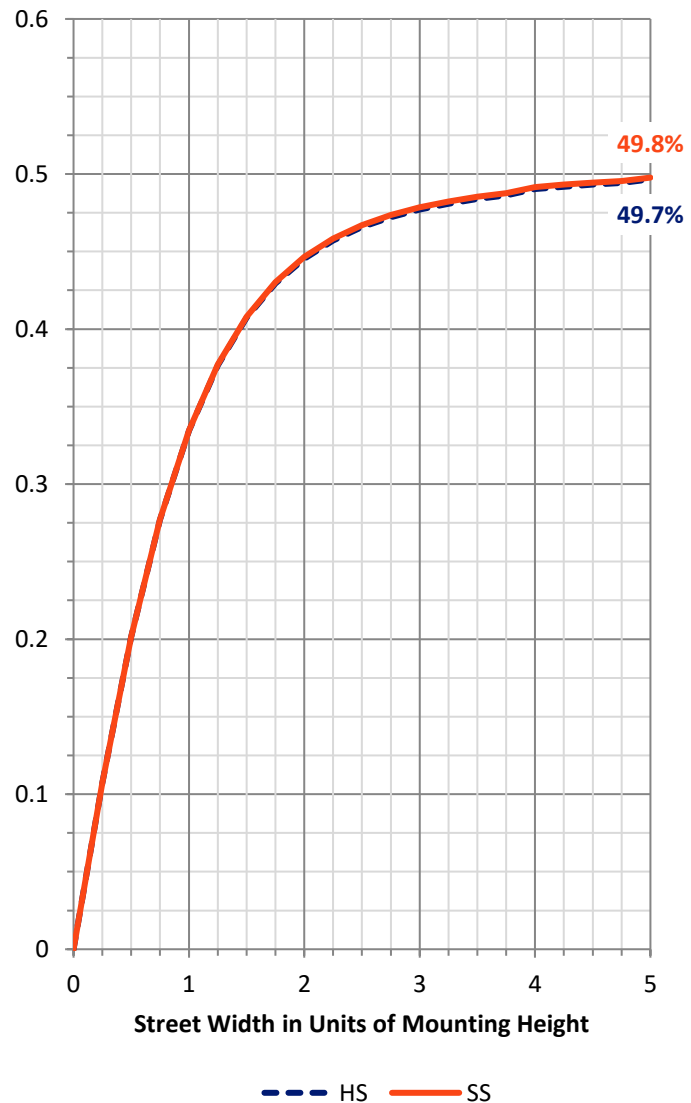
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1822.8	0.0	1822.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1822.8	0.0	1822.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3645.6	0.0	3645.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.4	2.4
10°-20°	252.8	6.9
20°-30°	402.2	11.0
30°-40°	531.9	14.6
40°-50°	649.1	17.8
50°-60°	701.0	19.2
60°-70°	607.1	16.7
70°-80°	344.2	9.4
80°-90°	70.8	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°	3645.6	100.0
0°-180°	3645.6	100.0



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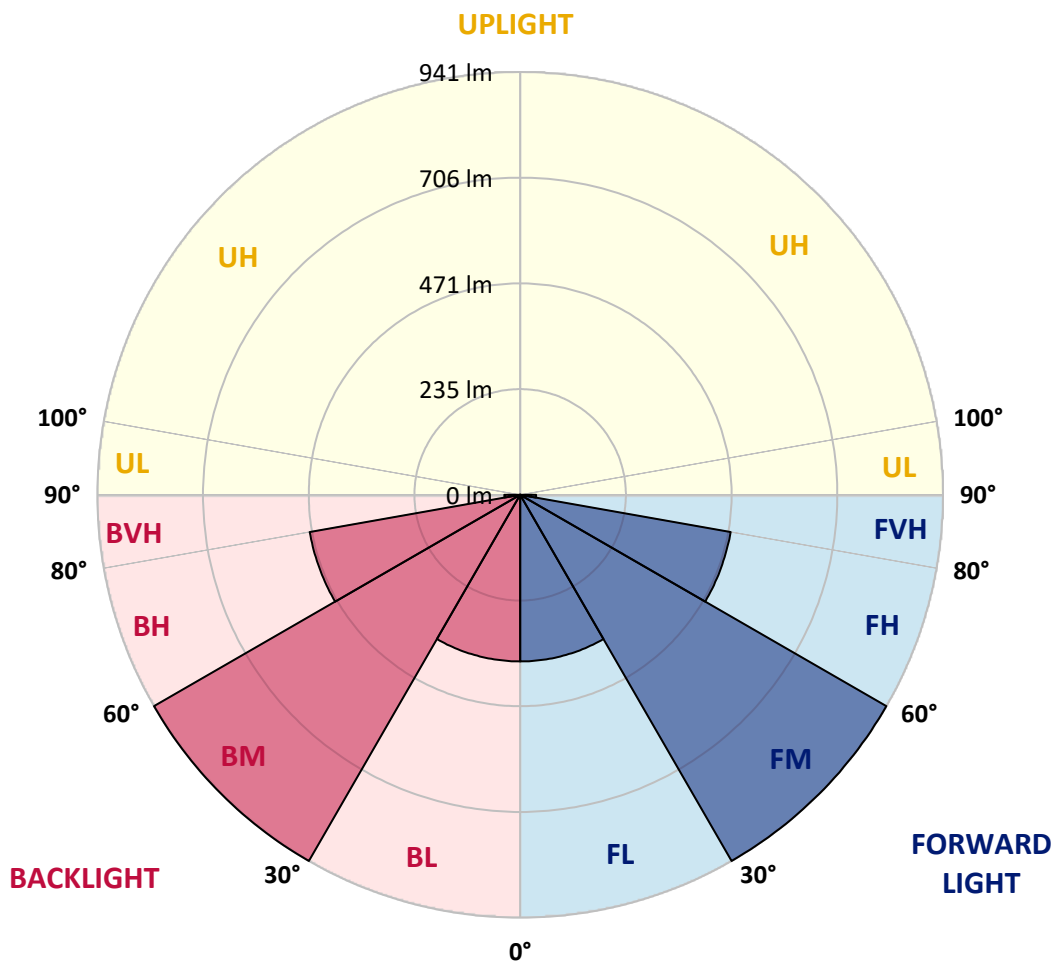
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.7	10.2			
FM	(30°-60°)	941.0	25.8			
FH	(60°-80°)	475.6	13.0			G0/660
FVH	(80°-90°)	35.4	1.0			G1/100
BL	(0°-30°)	370.7	10.2	B1/500		
BM	(30°-60°)	941.0	25.8	B1/1000		
BH	(60°-80°)	475.6	13.0	B1/500		G0/660
BVH	(80°-90°)	35.4	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°	908.5	908.5	908.5	908.5	908.5	908.5	908.5	908.5	908.5	908.5	908.5
2.5°	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9
5°	906.6	906.6	906.6	906.6	906.6	906.6	906.6	906.6	906.6	906.6	906.6
7.5°	904.1	904.1	904.1	904.1	904.1	904.8	904.1	904.1	904.1	904.1	904.8
10°	901.0	901.0	901.6	901.6	901.0	901.0	901.0	901.0	901.0	901.0	901.0
12.5°	897.2	897.2	897.2	897.2	897.2	897.2	897.2	897.2	896.6	896.6	896.6
15°	892.9	892.9	892.9	893.5	893.5	893.5	893.5	892.9	892.2	891.6	892.2
17.5°	888.4	888.4	889.1	889.7	889.7	889.7	889.7	888.4	887.8	887.2	887.2
20°	882.8	883.4	883.4	884.1	884.7	884.7	884.7	884.1	882.8	881.6	881.6
22.5°	876.5	877.1	877.8	878.4	879.1	878.4	878.4	877.8	876.5	875.9	875.3
25°	868.3	868.3	869.6	870.8	871.5	871.5	871.5	870.3	869.0	868.3	867.7
27.5°	860.2	860.2	861.5	863.4	864.0	864.7	863.4	862.7	860.9	859.6	859.6
30°	851.4	851.4	853.3	855.9	857.7	858.4	857.7	855.2	852.7	851.4	851.4
32.5°	843.3	843.9	845.8	849.6	852.7	853.9	853.3	850.2	847.1	844.5	843.9
35°	837.0	837.6	841.4	845.8	850.8	852.7	850.8	847.6	842.6	838.8	838.8
37.5°	833.2	833.2	838.3	845.8	851.4	853.9	851.4	847.1	840.1	835.1	835.1
40°	828.9	830.1	836.3	845.8	853.9	857.7	854.6	848.3	839.5	833.2	832.6
42.5°	823.2	825.1	832.0	844.5	854.6	860.2	857.1	849.6	838.8	832.0	831.3
45°	815.6	816.3	825.1	840.1	853.3	860.9	858.4	848.9	837.0	828.9	827.6
47.5°	803.8	805.0	815.6	833.2	849.6	857.7	855.9	845.1	830.1	820.7	818.8
50°	789.9	791.2	803.8	823.9	842.0	851.4	848.3	835.1	818.8	806.3	805.0
52.5°	773.0	775.5	789.4	811.9	831.3	840.1	835.1	818.2	799.3	785.6	784.3
55°	752.3	754.8	770.5	794.4	813.8	820.7	813.8	793.7	773.6	757.9	754.8
57.5°	726.6	728.5	743.5	768.6	787.4	793.1	784.3	763.5	739.8	722.8	720.9
60°	688.9	691.4	709.0	732.2	751.1	757.9	749.1	724.1	698.3	681.4	680.8
62.5°	643.8	648.1	663.2	688.3	705.3	714.6	702.7	677.0	651.3	631.8	631.8
65°	589.2	592.3	608.6	633.0	649.4	657.6	645.6	621.8	593.5	576.6	574.8
67.5°	526.4	528.9	543.3	568.5	586.1	592.9	579.8	557.2	530.8	512.6	510.8
70°	456.7	460.5	471.2	494.4	510.1	513.9	503.8	482.5	458.7	442.3	441.1
72.5°	380.9	383.9	397.8	415.9	428.5	429.8	423.5	407.8	383.4	370.2	368.3
75°	303.0	308.1	320.0	335.7	345.1	345.1	341.3	330.0	308.7	298.7	298.7
77.5°	229.7	232.2	244.7	255.4	262.9	266.7	262.2	252.2	235.3	228.4	224.6
80°	160.0	162.5	168.2	176.3	183.9	186.4	181.3	173.1	163.7	158.7	156.2
82.5°	97.9	100.4	103.5	107.9	112.9	115.4	112.3	107.3	99.2	98.5	97.9
85°	47.1	48.3	50.8	52.1	54.6	55.2	55.9	53.4	50.8	47.7	48.9
87.5°	14.4	14.4	15.1	15.7	16.9	16.9	16.9	16.3	15.1	14.4	14.4
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)