

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: P197563

Luminaire Tested: **TT-C2-LED-E1-5CQ-PM-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197563  
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-C2-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: 4424.4 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

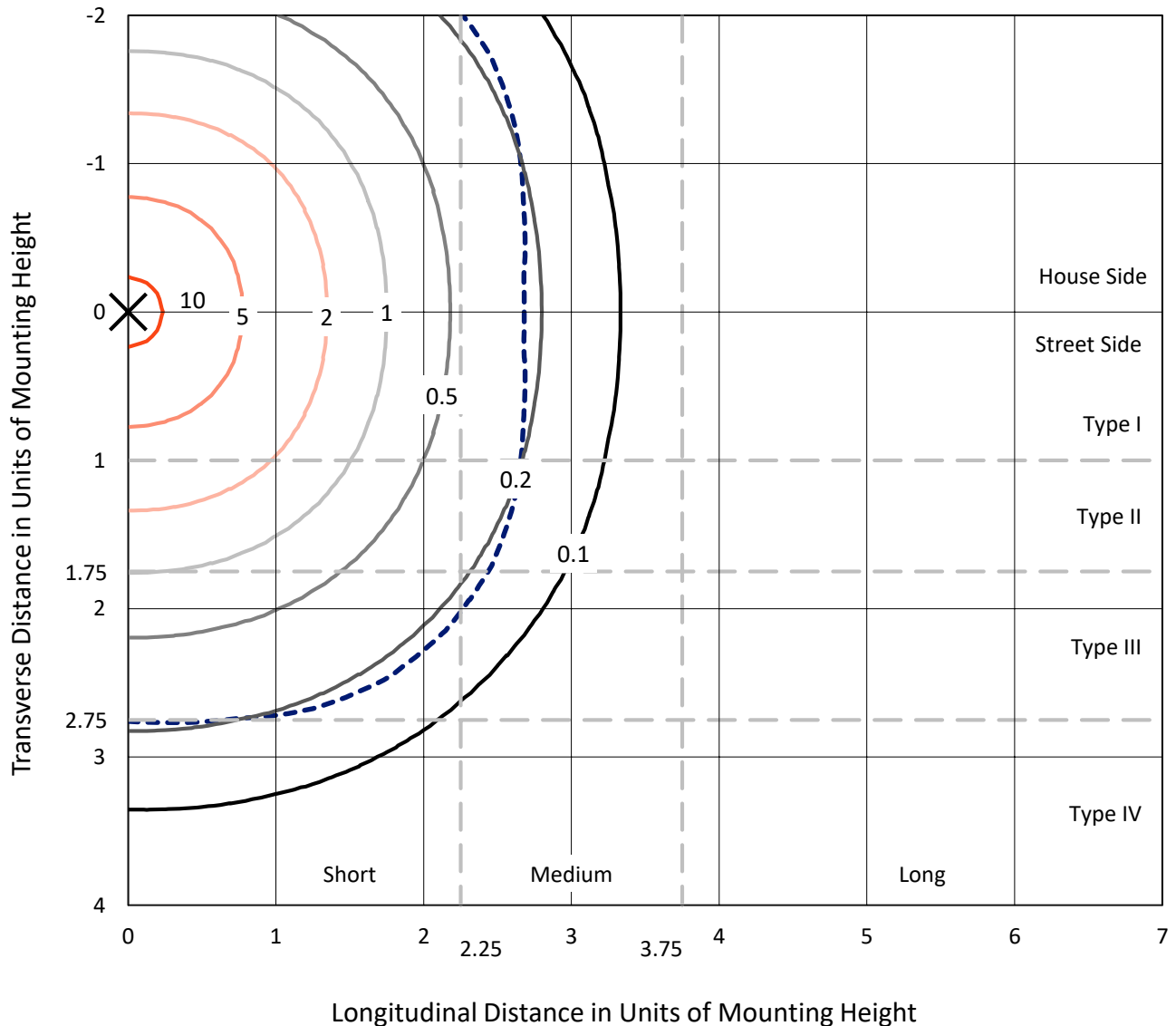
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P197563  
 CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7050

### Iso-Footcandle Lines of Horizontal Illumination

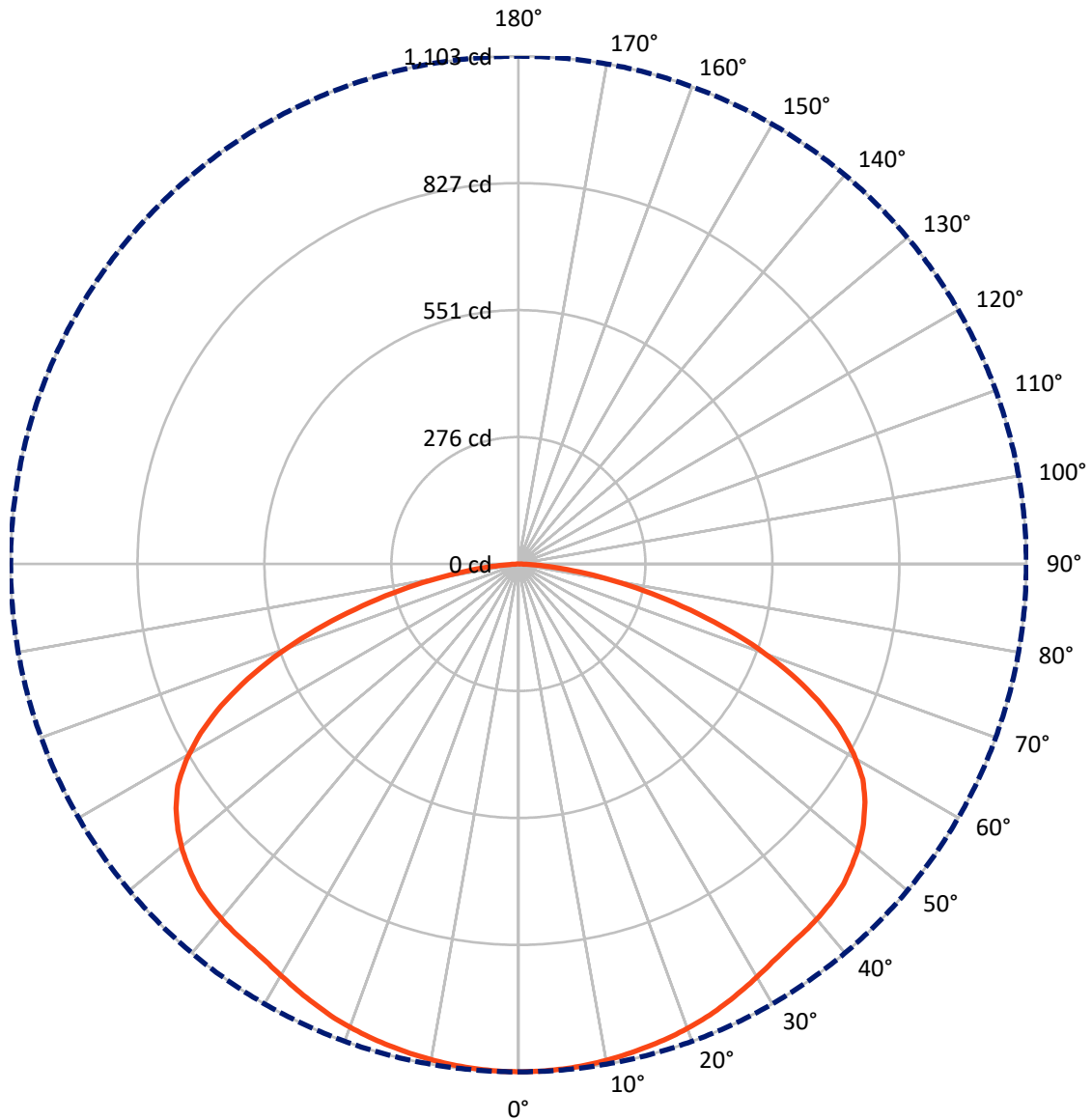
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197563  
CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P197563

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7050

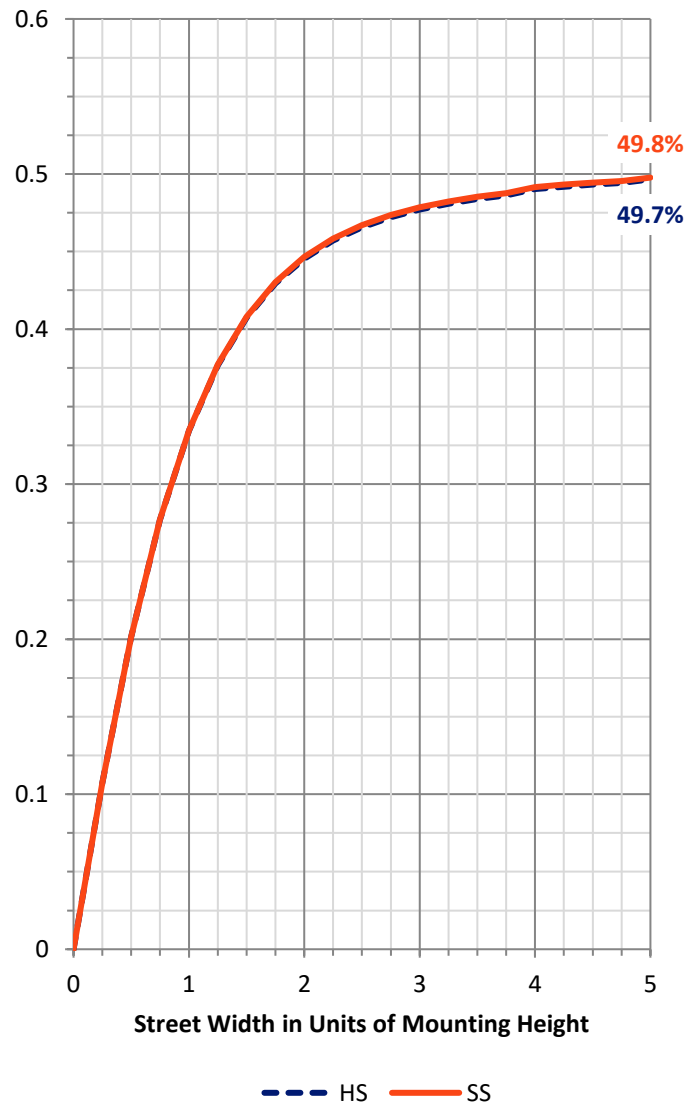
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2212.2	0.0	2212.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2212.2	0.0	2212.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4424.4	0.0	4424.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.8	2.4
10°-20°	306.9	6.9
20°-30°	488.1	11.0
30°-40°	645.6	14.6
40°-50°	787.8	17.8
50°-60°	850.8	19.2
60°-70°	736.8	16.7
70°-80°	417.7	9.4
80°-90°	85.9	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°	4424.4	100.0
0°-180°	4424.4	100.0



REPORT NUMBER: P197563

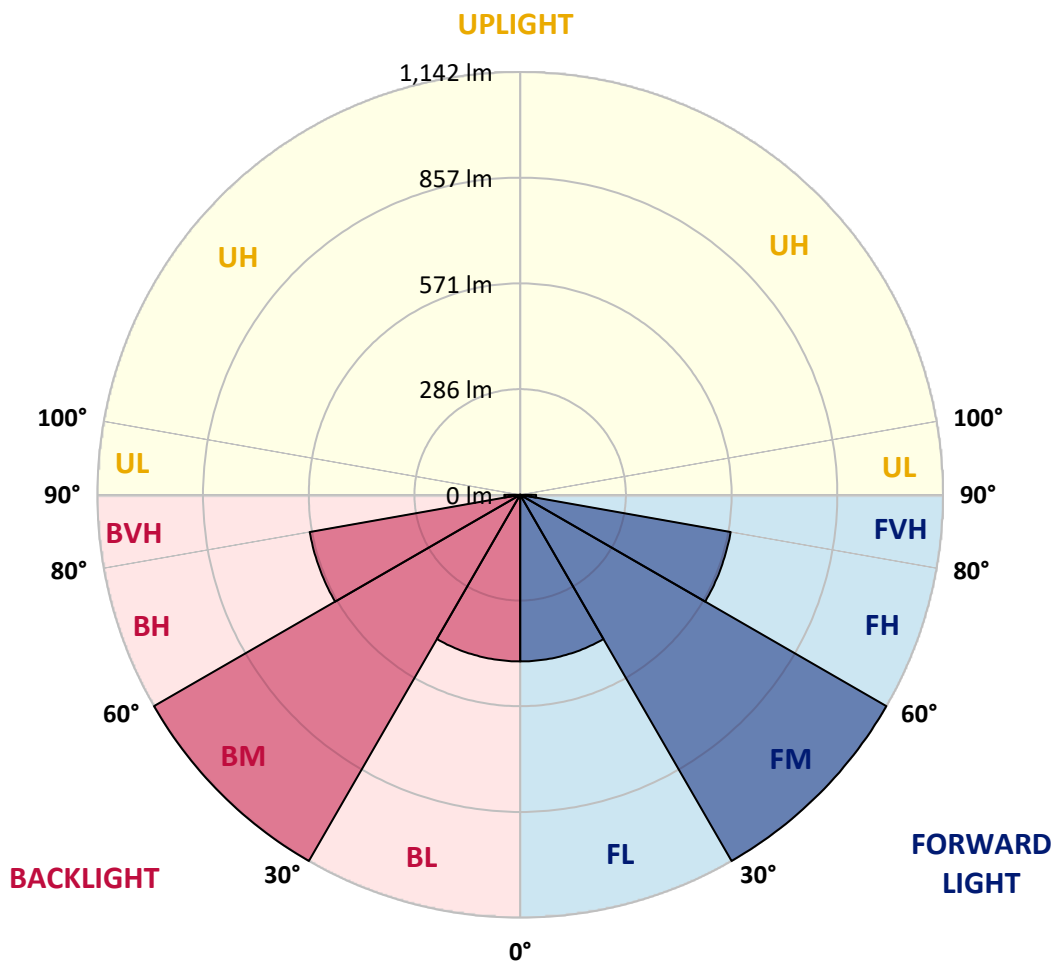
CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	449.9	10.2			
FM	(30°-60°)	1142.1	25.8			
FH	(60°-80°)	577.3	13.0			G0/660
FVH	(80°-90°)	43.0	1.0			G1/100
BL	(0°-30°)	449.9	10.2	B1/500		
BM	(30°-60°)	1142.1	25.8	B2/2500		
BH	(60°-80°)	577.3	13.0	B2/1000		G0/660
BVH	(80°-90°)	43.0	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





REPORT NUMBER: P197563

CATALOG NUMBER: TT-C2-LED-E1-5CQ-PM-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1102.6	1102.6	1102.6	1102.6	1102.6	1102.6	1102.6	1102.6	1102.6	1102.6	1102.6
2.5°	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9	1101.9
5°	1100.3	1100.3	1100.3	1100.3	1100.3	1100.3	1100.3	1100.3	1100.3	1100.3	1100.3
7.5°	1097.3	1097.3	1097.3	1097.3	1097.3	1098.0	1097.3	1097.3	1097.3	1097.3	1098.0
10°	1093.5	1093.5	1094.2	1094.2	1093.5	1093.5	1093.5	1093.5	1093.5	1093.5	1093.5
12.5°	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.1	1088.1	1088.1
15°	1083.6	1083.6	1083.6	1084.4	1084.4	1084.4	1084.4	1083.6	1082.8	1082.0	1082.8
17.5°	1078.3	1078.3	1079.0	1079.7	1079.7	1079.7	1079.7	1078.3	1077.5	1076.7	1076.7
20°	1071.4	1072.2	1072.2	1073.0	1073.6	1073.6	1073.6	1073.0	1071.4	1069.9	1069.9
22.5°	1063.8	1064.5	1065.3	1066.1	1066.8	1066.1	1066.1	1065.3	1063.8	1063.0	1062.2
25°	1053.9	1053.9	1055.4	1056.9	1057.7	1057.7	1057.7	1056.1	1054.6	1053.9	1053.1
27.5°	1044.0	1044.0	1045.5	1047.8	1048.5	1049.3	1047.8	1047.1	1044.7	1043.2	1043.2
30°	1033.3	1033.3	1035.6	1038.6	1041.0	1041.7	1041.0	1037.9	1034.9	1033.3	1033.3
32.5°	1023.4	1024.1	1026.5	1031.0	1034.9	1036.3	1035.6	1031.8	1028.0	1024.9	1024.1
35°	1015.8	1016.6	1021.1	1026.5	1032.6	1034.9	1032.6	1028.8	1022.7	1018.1	1018.1
37.5°	1011.2	1011.2	1017.3	1026.5	1033.3	1036.3	1033.3	1028.0	1019.6	1013.5	1013.5
40°	1005.9	1007.4	1015.1	1026.5	1036.3	1041.0	1037.1	1029.5	1018.8	1011.2	1010.5
42.5°	999.0	1001.3	1009.7	1024.9	1037.1	1044.0	1040.2	1031.0	1018.1	1009.7	1009.0
45°	989.9	990.7	1001.3	1019.6	1035.6	1044.7	1041.7	1030.2	1015.8	1005.9	1004.4
47.5°	975.4	977.0	989.9	1011.2	1031.0	1041.0	1038.6	1025.7	1007.4	996.0	993.7
50°	958.7	960.3	975.4	999.8	1021.9	1033.3	1029.5	1013.5	993.7	978.5	977.0
52.5°	938.1	941.2	957.9	985.4	1009.0	1019.6	1013.5	992.9	970.1	953.4	951.8
55°	913.0	916.1	935.1	964.0	987.6	996.0	987.6	963.2	938.9	919.8	916.1
57.5°	881.8	884.1	902.3	932.8	955.6	962.5	951.8	926.7	897.8	877.2	874.9
60°	836.1	839.1	860.5	888.6	911.4	919.8	909.2	878.8	847.5	827.0	826.2
62.5°	781.2	786.6	804.9	835.4	855.9	867.4	852.9	821.6	790.4	766.8	766.8
65°	715.0	718.8	738.6	768.3	788.1	798.0	783.6	754.6	720.3	699.7	697.5
67.5°	638.8	641.9	659.4	689.9	711.2	719.6	703.6	676.2	644.2	622.1	619.8
70°	554.4	558.9	571.9	600.1	619.0	623.7	611.5	585.6	556.7	536.9	535.3
72.5°	462.2	466.0	482.7	504.9	520.0	521.6	514.0	494.9	465.2	449.3	447.0
75°	367.8	373.9	388.4	407.4	418.8	418.8	414.2	400.6	374.7	362.5	362.5
77.5°	278.7	281.8	296.9	309.9	319.1	323.6	318.3	306.1	285.5	277.1	272.6
80°	194.2	197.2	204.1	214.0	223.1	226.2	220.1	210.1	198.7	192.6	189.7
82.5°	118.8	121.8	125.7	131.0	137.1	140.1	136.3	130.2	120.3	119.6	118.8
85°	57.1	58.7	61.7	63.2	66.2	67.0	67.8	64.8	61.7	57.9	59.4
87.5°	17.5	17.5	18.3	19.0	20.6	20.6	20.6	19.8	18.3	17.5	17.5
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)