

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: P197562

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197562
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
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4670.2 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

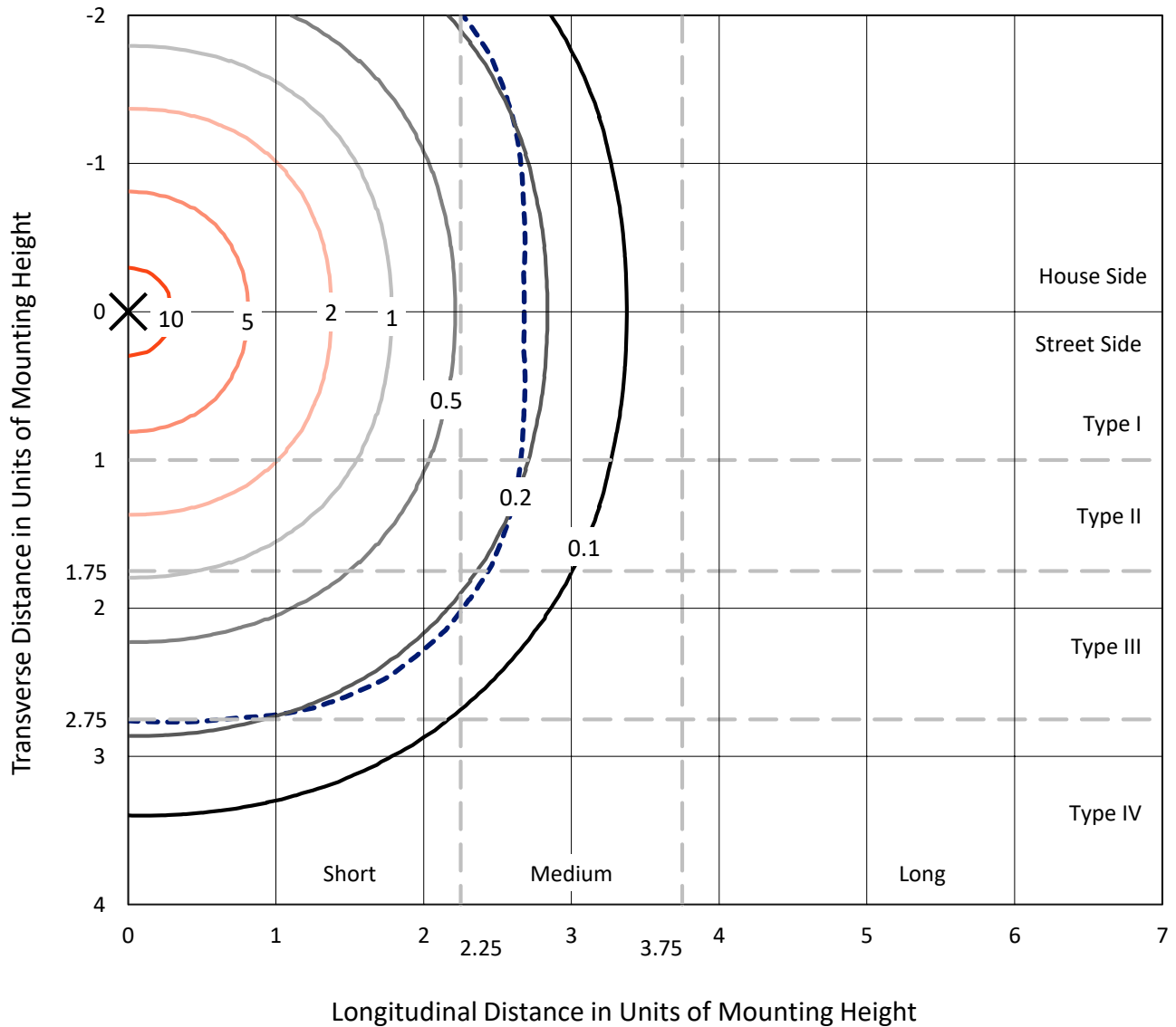
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

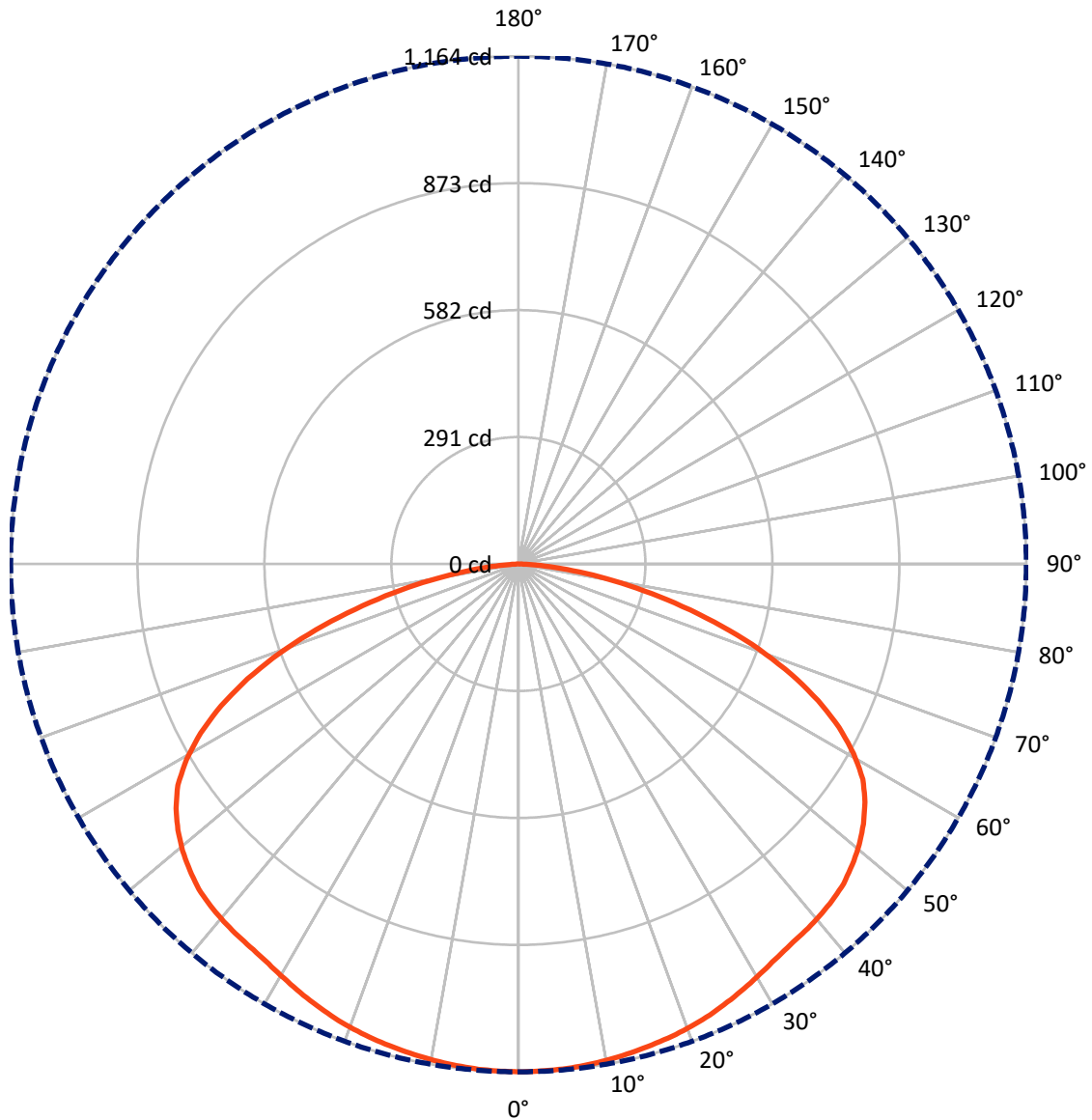
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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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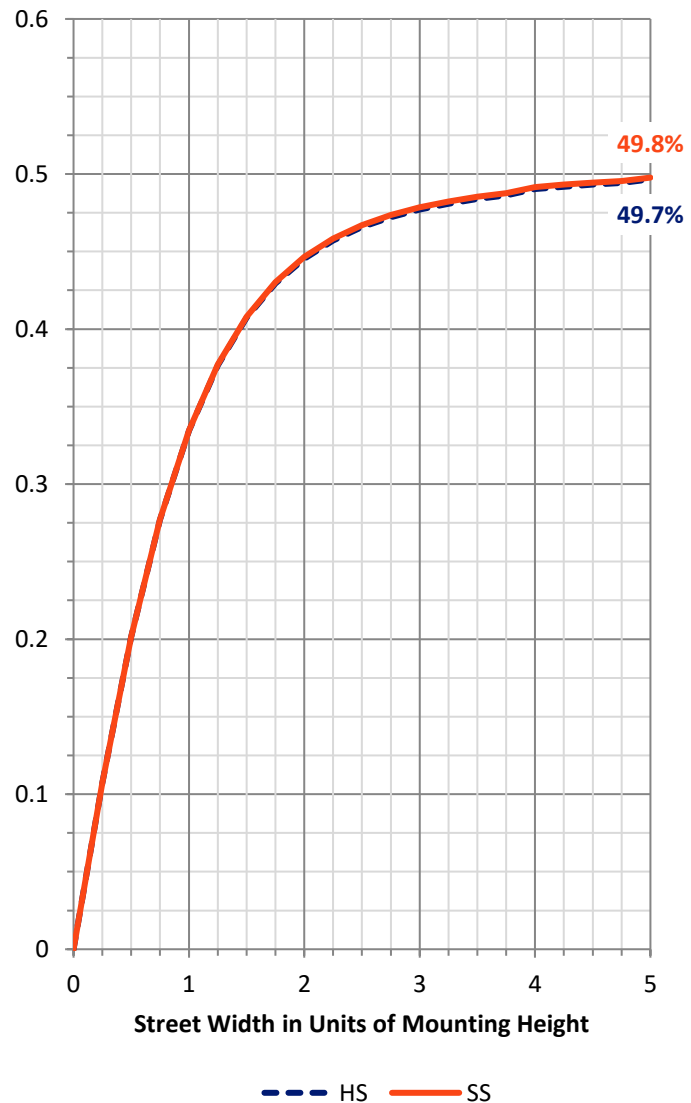
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2335.1	0.0	2335.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2335.1	0.0	2335.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4670.2	0.0	4670.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	2.4
10°-20°	323.9	6.9
20°-30°	515.3	11.0
30°-40°	681.5	14.6
40°-50°	831.6	17.8
50°-60°	898.1	19.2
60°-70°	777.7	16.7
70°-80°	440.9	9.4
80°-90°	90.7	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°	4670.2	100.0
0°-180°	4670.2	100.0



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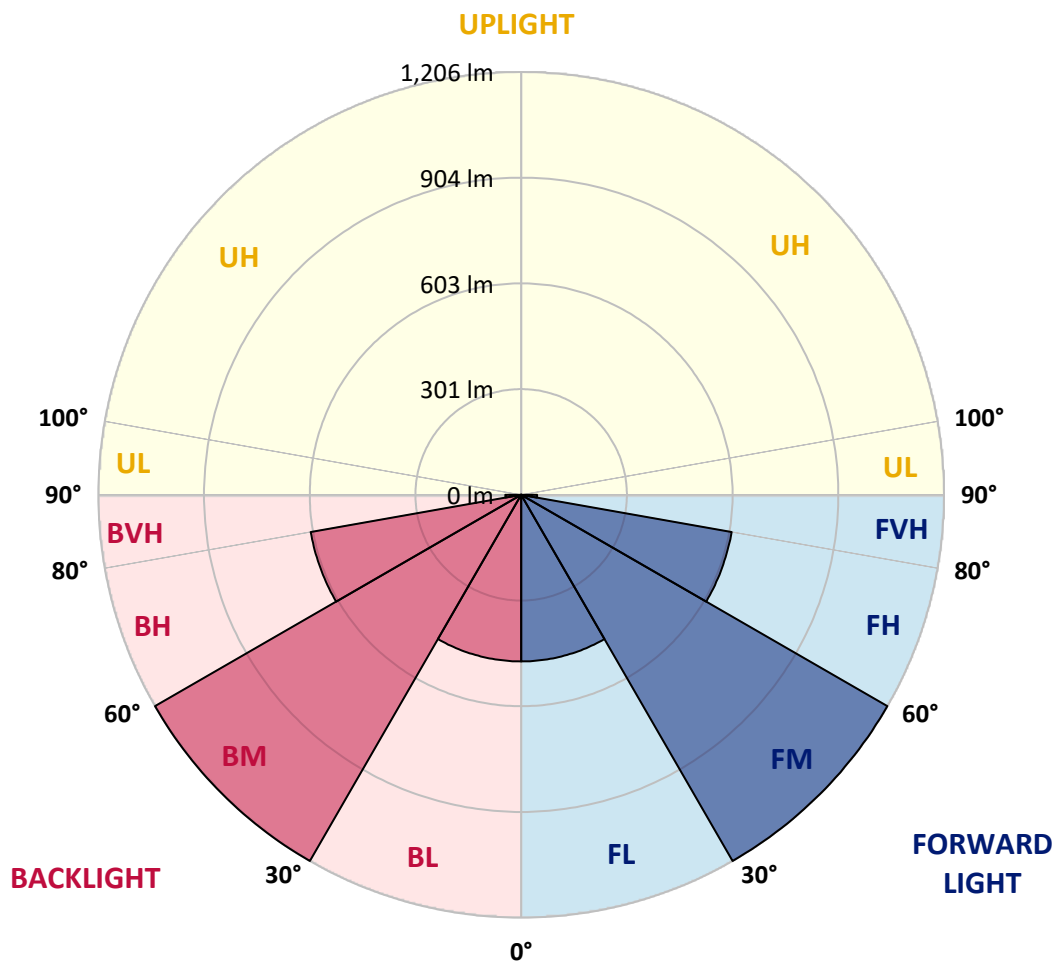
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	474.9	10.2			
FM	(30°-60°)	1205.5	25.8			
FH	(60°-80°)	609.3	13.0			G0/660
FVH	(80°-90°)	45.3	1.0			G1/100
BL	(0°-30°)	474.9	10.2	B1/500		
BM	(30°-60°)	1205.5	25.8	B2/2500		
BH	(60°-80°)	609.3	13.0	B2/1000		G0/660
BVH	(80°-90°)	45.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9	1163.9
2.5°	1163.0	1163.0	1163.0	1163.0	1163.0	1163.0	1163.0	1163.0	1163.0	1163.0	1163.0
5°	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5	1161.5
7.5°	1158.2	1158.2	1158.2	1158.2	1158.2	1159.1	1158.2	1158.2	1158.2	1158.2	1159.1
10°	1154.3	1154.3	1155.0	1155.0	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3	1154.3
12.5°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1148.6	1148.6	1148.6
15°	1143.8	1143.8	1143.8	1144.6	1144.6	1144.6	1144.6	1143.8	1142.9	1142.2	1142.9
17.5°	1138.1	1138.1	1139.0	1139.8	1139.8	1139.8	1139.8	1138.1	1137.3	1136.6	1136.6
20°	1131.0	1131.7	1131.7	1132.5	1133.4	1133.4	1133.4	1132.5	1131.0	1129.3	1129.3
22.5°	1122.8	1123.7	1124.5	1125.3	1126.1	1125.3	1125.3	1124.5	1122.8	1122.1	1121.3
25°	1112.4	1112.4	1114.0	1115.7	1116.5	1116.5	1116.5	1114.8	1113.3	1112.4	1111.6
27.5°	1102.0	1102.0	1103.6	1106.0	1106.8	1107.6	1106.0	1105.2	1102.8	1101.2	1101.2
30°	1090.7	1090.7	1093.2	1096.4	1098.8	1099.5	1098.8	1095.6	1092.3	1090.7	1090.7
32.5°	1080.3	1081.1	1083.5	1088.3	1092.3	1093.9	1093.2	1089.1	1085.1	1081.9	1081.1
35°	1072.3	1073.1	1077.9	1083.5	1090.0	1092.3	1090.0	1085.9	1079.4	1074.7	1074.7
37.5°	1067.4	1067.4	1073.8	1083.5	1090.7	1093.9	1090.7	1085.1	1076.2	1069.9	1069.9
40°	1061.7	1063.4	1071.4	1083.5	1093.9	1098.8	1094.7	1086.7	1075.5	1067.4	1066.6
42.5°	1054.6	1057.0	1065.8	1081.9	1094.7	1102.0	1098.0	1088.3	1074.7	1065.8	1065.0
45°	1044.9	1045.7	1057.0	1076.2	1093.2	1102.8	1099.5	1087.6	1072.3	1061.7	1060.2
47.5°	1029.7	1031.3	1044.9	1067.4	1088.3	1098.8	1096.4	1082.7	1063.4	1051.3	1048.9
50°	1012.0	1013.6	1029.7	1055.4	1078.7	1090.7	1086.7	1069.9	1048.9	1032.8	1031.3
52.5°	990.2	993.5	1011.2	1040.1	1065.0	1076.2	1069.9	1048.1	1024.0	1006.4	1004.7
55°	963.7	966.9	987.0	1017.6	1042.5	1051.3	1042.5	1016.8	991.1	971.0	966.9
57.5°	930.8	933.2	952.5	984.6	1008.8	1016.0	1004.7	978.2	947.7	925.9	923.5
60°	882.5	885.7	908.2	938.0	962.1	971.0	959.7	927.6	894.6	872.9	872.1
62.5°	824.6	830.3	849.6	881.8	903.4	915.5	900.2	867.3	834.3	809.4	809.4
65°	754.7	758.8	779.7	811.0	831.9	842.3	827.0	796.5	760.4	738.7	736.3
67.5°	674.4	677.6	696.1	728.3	750.7	759.6	742.7	713.8	680.0	656.7	654.3
70°	585.2	589.9	603.7	633.3	653.4	658.3	645.4	618.1	587.5	566.6	565.1
72.5°	487.9	491.9	509.6	532.9	548.9	550.6	542.6	522.5	491.1	474.2	471.8
75°	388.2	394.7	409.9	430.1	442.0	442.0	437.3	422.8	395.4	382.6	382.6
77.5°	294.1	297.4	313.5	327.1	336.8	341.6	336.0	323.1	301.4	292.6	287.8
80°	204.9	208.2	215.4	225.9	235.5	238.8	232.3	221.8	209.8	203.4	200.2
82.5°	125.4	128.6	132.6	138.2	144.7	147.9	143.8	137.5	127.0	126.2	125.4
85°	60.3	61.9	65.2	66.7	69.9	70.8	71.5	68.3	65.2	61.1	62.7
87.5°	18.5	18.5	19.3	20.1	21.7	21.7	21.7	20.9	19.3	18.5	18.5
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)