

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: P197640

Luminaire Tested: **TT-C3-LED-E1-5MQ-PM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-5MQ-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5794.7 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

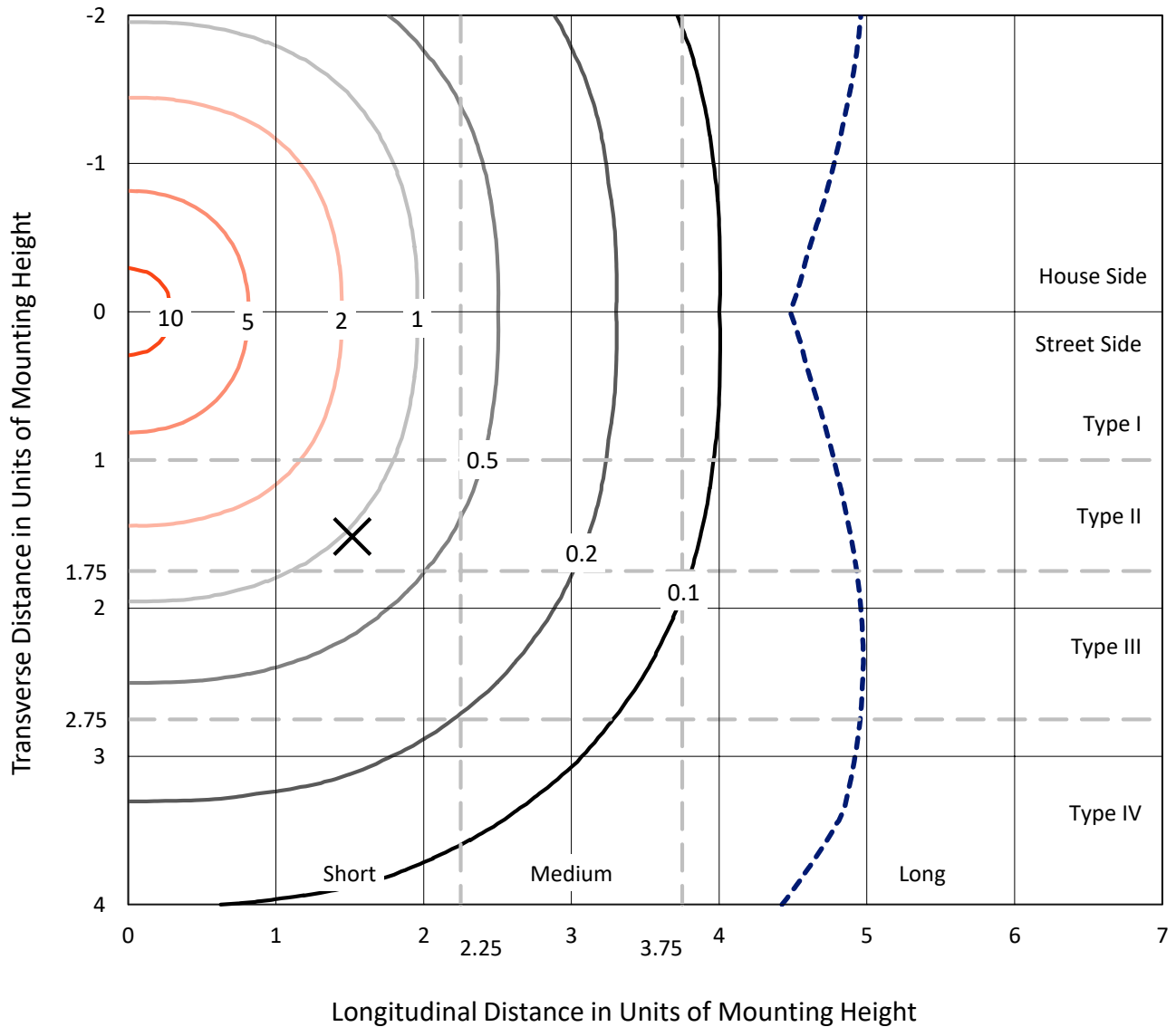
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

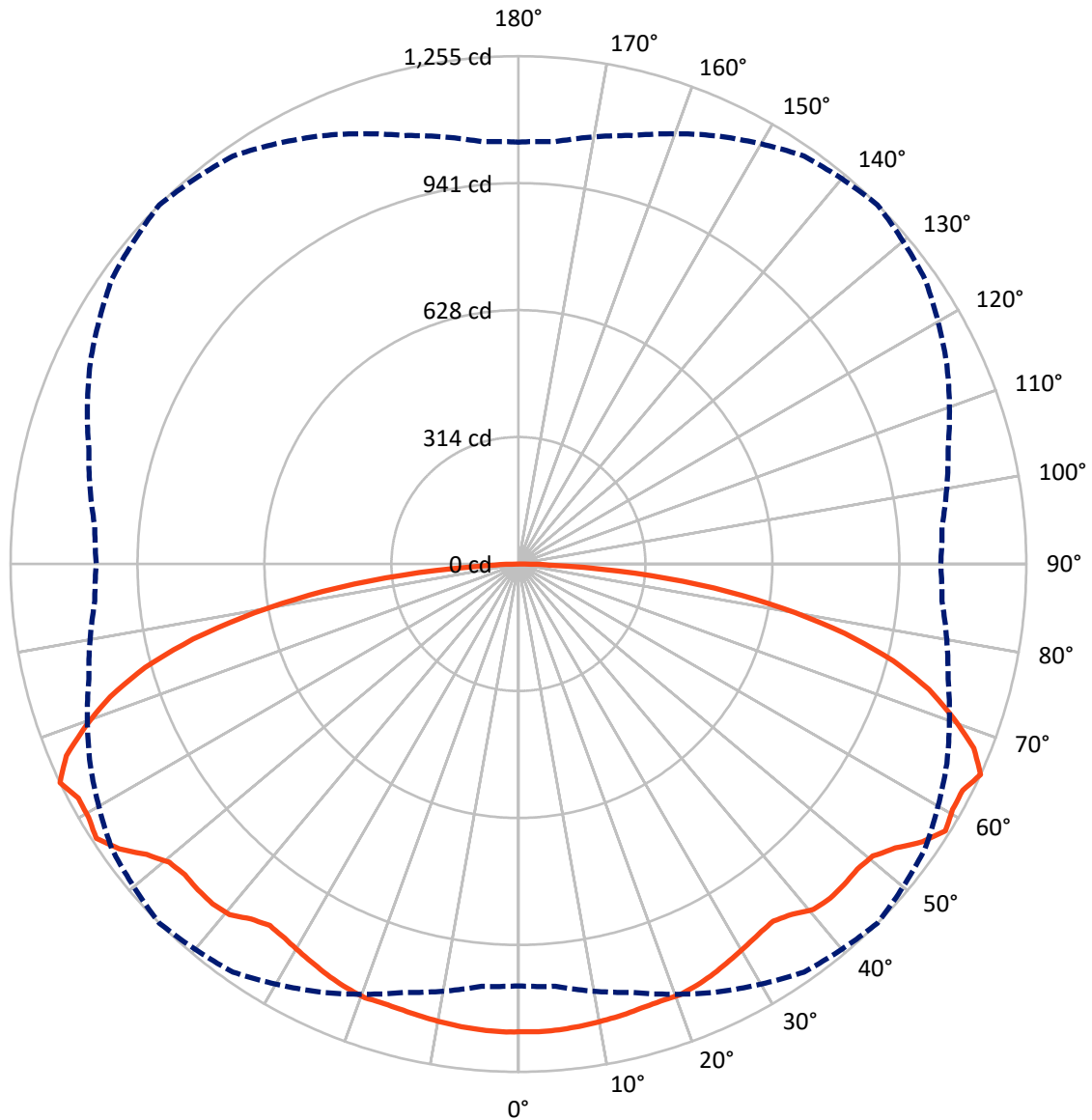
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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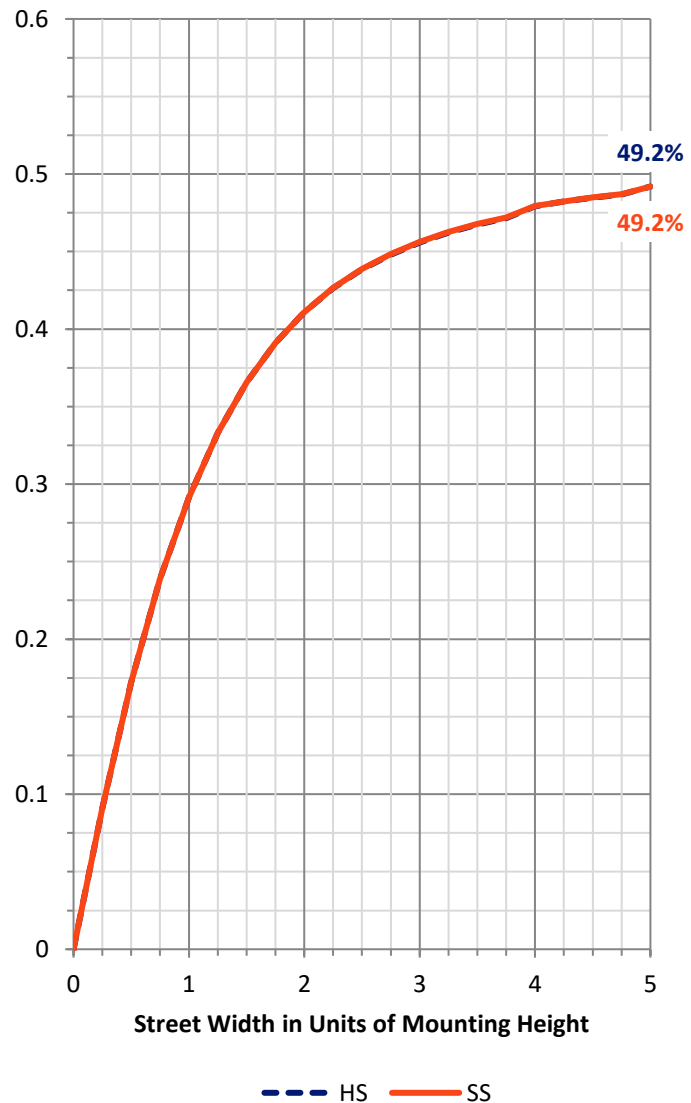
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2897.4	0.0	2897.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2897.4	0.0	2897.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5794.7	0.0	5794.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	1.9
10°-20°	322.8	5.6
20°-30°	516.4	8.9
30°-40°	682.1	11.8
40°-50°	852.7	14.7
50°-60°	1023.7	17.7
60°-70°	1119.0	19.3
70°-80°	889.1	15.3
80°-90°	278.8	4.8
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°	5794.7	100.0
0°-180°	5794.7	100.0



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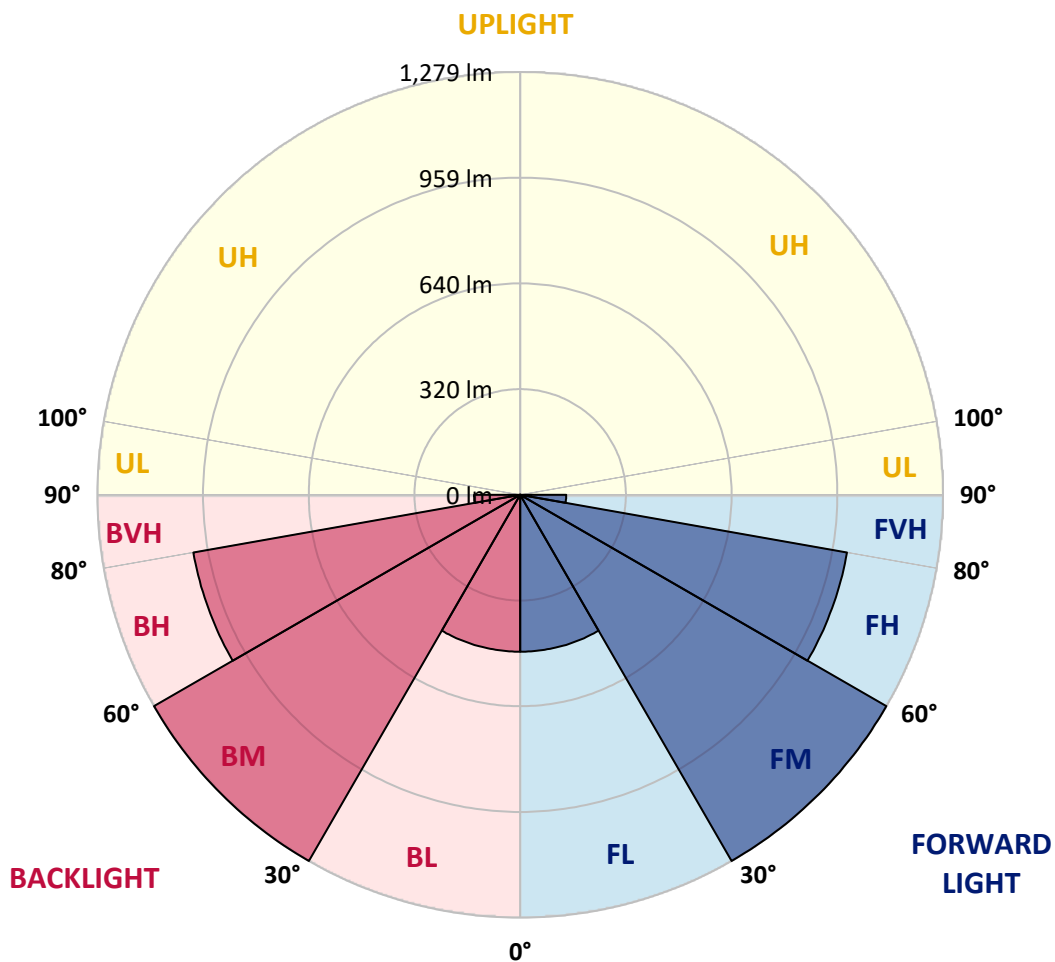
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.6	8.2			
FM (30°-60°)	1279.3	22.1			
FH (60°-80°)	1004.0	17.3			G1/1800
FVH (80°-90°)	139.4	2.4			G2/225
BL (0°-30°)	474.6	8.2	B1/500		
BM (30°-60°)	1279.3	22.1	B2/2500		
BH (60°-80°)	1004.0	17.3	B3/2500		G1/1800
BVH (80°-90°)	139.4	2.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1156.1	1156.1	1156.1	1156.1	1156.1	1156.1	1156.1	1156.1	1156.1	1156.1	1156.1
2.5°	1157.1	1157.1	1157.1	1157.1	1156.1	1157.1	1156.1	1156.1	1157.1	1157.1	1157.1
5°	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1	1155.1
7.5°	1152.1	1152.1	1152.1	1152.1	1152.1	1152.1	1152.1	1152.1	1152.1	1152.1	1152.1
10°	1148.0	1149.0	1149.0	1149.0	1148.0	1148.0	1148.0	1149.0	1149.0	1148.0	1148.0
12.5°	1144.0	1144.0	1145.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1144.0	1143.0
15°	1137.9	1137.9	1138.9	1138.9	1138.9	1138.9	1138.9	1137.9	1137.9	1136.9	1136.9
17.5°	1132.8	1132.8	1134.9	1134.9	1135.9	1135.9	1135.9	1133.8	1133.8	1131.8	1131.8
20°	1131.8	1131.8	1132.8	1134.9	1135.9	1136.9	1135.9	1133.8	1131.8	1129.8	1129.8
22.5°	1124.7	1125.7	1127.8	1128.8	1130.8	1130.8	1130.8	1127.8	1126.8	1124.7	1124.7
25°	1115.6	1114.6	1117.6	1119.7	1121.7	1121.7	1120.7	1118.7	1117.6	1114.6	1114.6
27.5°	1101.4	1102.5	1104.5	1107.5	1110.6	1110.6	1109.5	1107.5	1105.5	1103.5	1102.5
30°	1089.3	1090.3	1092.3	1095.4	1097.4	1100.4	1097.4	1095.4	1092.3	1091.3	1090.3
32.5°	1076.1	1077.1	1080.2	1085.2	1088.3	1090.3	1088.3	1086.3	1081.2	1078.2	1077.1
35°	1067.0	1068.0	1071.1	1078.2	1084.2	1084.2	1084.2	1079.2	1073.1	1068.0	1067.0
37.5°	1068.0	1070.1	1077.1	1087.3	1097.4	1098.4	1097.4	1087.3	1078.2	1070.1	1069.0
40°	1076.1	1078.2	1090.3	1105.5	1118.7	1122.7	1119.7	1105.5	1091.3	1080.2	1077.1
42.5°	1075.1	1078.2	1091.3	1110.6	1123.7	1129.8	1123.7	1110.6	1093.3	1081.2	1077.1
45°	1071.1	1073.1	1087.3	1107.5	1123.7	1129.8	1124.7	1109.5	1090.3	1076.1	1073.1
47.5°	1065.0	1067.0	1078.2	1102.5	1120.7	1126.8	1121.7	1105.5	1081.2	1070.1	1068.0
50°	1056.9	1063.0	1081.2	1106.5	1130.8	1134.9	1131.8	1108.5	1083.2	1067.0	1058.9
52.5°	1065.0	1064.0	1085.2	1130.8	1153.1	1166.2	1156.1	1128.8	1090.3	1069.0	1067.0
55°	1083.2	1091.3	1114.6	1157.1	1193.6	1211.8	1197.6	1160.2	1116.6	1090.3	1085.2
57.5°	1082.2	1092.3	1133.8	1176.4	1232.0	1244.2	1228.0	1181.4	1131.8	1097.4	1084.2
60°	1076.1	1080.2	1111.6	1187.5	1218.9	1233.1	1218.9	1182.4	1119.7	1081.2	1081.2
62.5°	1055.9	1063.0	1112.6	1165.2	1209.8	1232.0	1214.8	1169.3	1111.6	1070.1	1056.9
65°	1042.7	1047.8	1096.4	1167.2	1231.0	1255.3	1227.0	1168.3	1099.4	1050.8	1043.7
67.5°	1001.2	1010.3	1055.9	1132.8	1194.6	1213.8	1202.7	1130.8	1055.9	1011.3	1000.2
70°	930.4	935.4	998.2	1071.1	1127.8	1140.9	1124.7	1078.2	992.1	942.5	927.3
72.5°	843.3	850.4	908.1	989.1	1043.7	1061.0	1041.7	992.1	903.0	858.5	844.3
75°	755.2	762.3	799.8	887.8	933.4	957.7	935.4	881.8	801.8	758.3	752.2
77.5°	628.7	639.8	697.5	756.2	799.8	825.1	805.8	756.2	693.5	641.8	622.6
80°	494.0	502.1	555.8	607.4	646.9	663.1	654.0	607.4	556.8	504.2	495.0
82.5°	346.2	351.3	397.9	439.4	488.0	488.0	477.8	447.5	396.8	351.3	353.3
85°	185.3	191.3	226.8	259.2	289.5	289.5	280.4	261.2	225.8	190.3	186.3
87.5°	37.5	41.5	54.7	59.7	70.9	75.9	68.8	62.8	54.7	43.5	43.5
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)