

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: P197639

Luminaire Tested: **TT-C3-LED-E1-5MQ-PM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197639
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5929.2 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

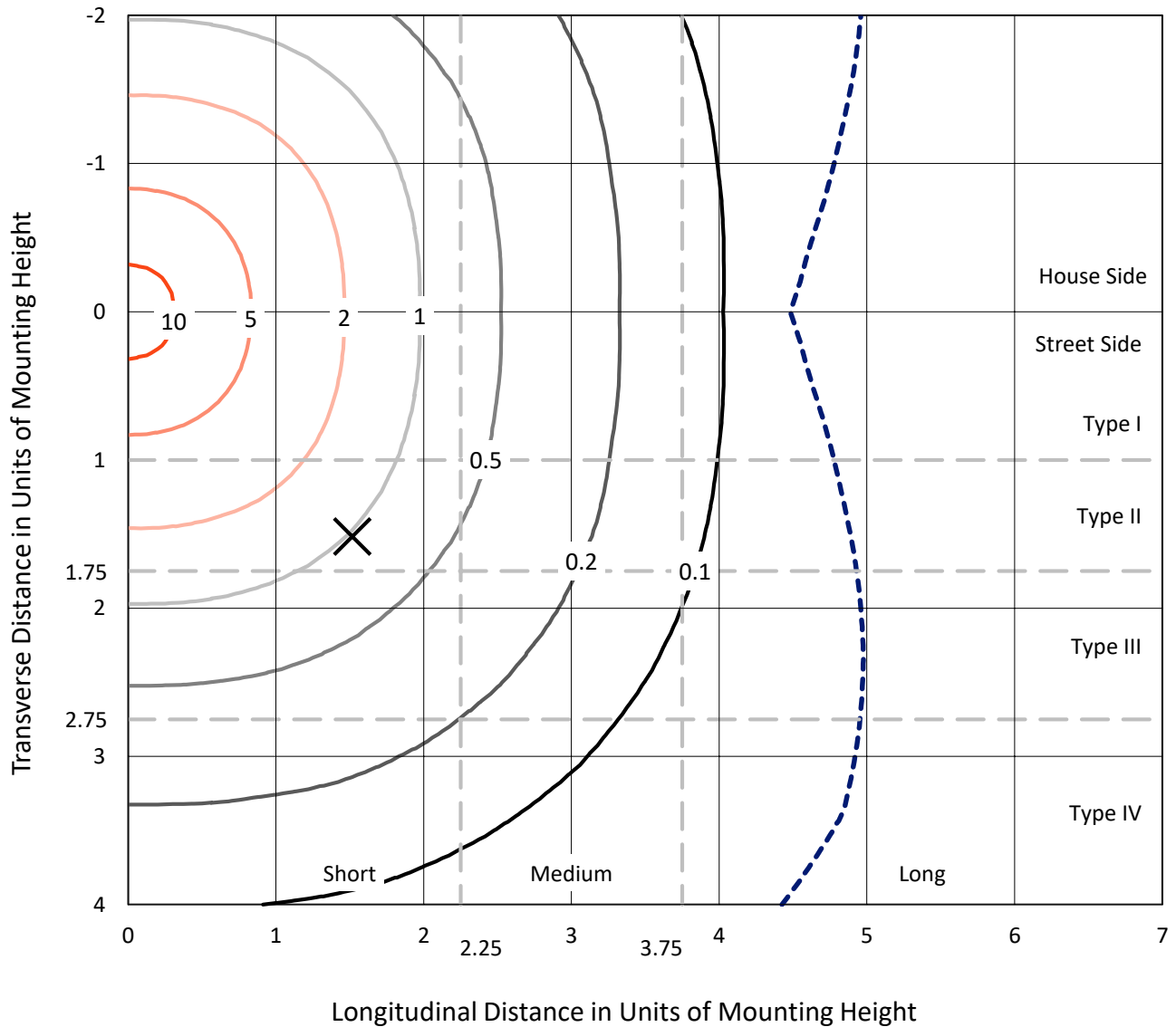
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

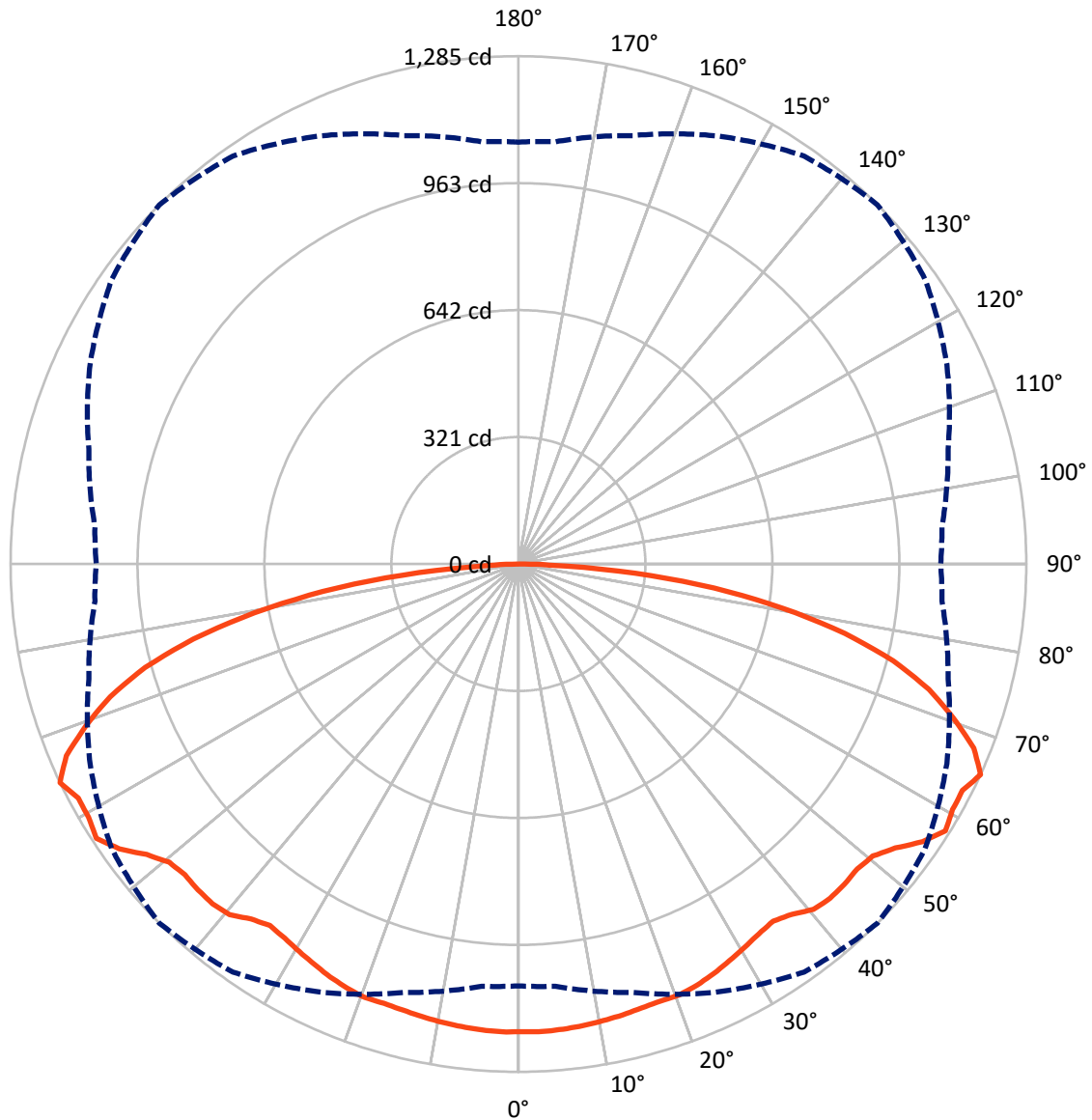
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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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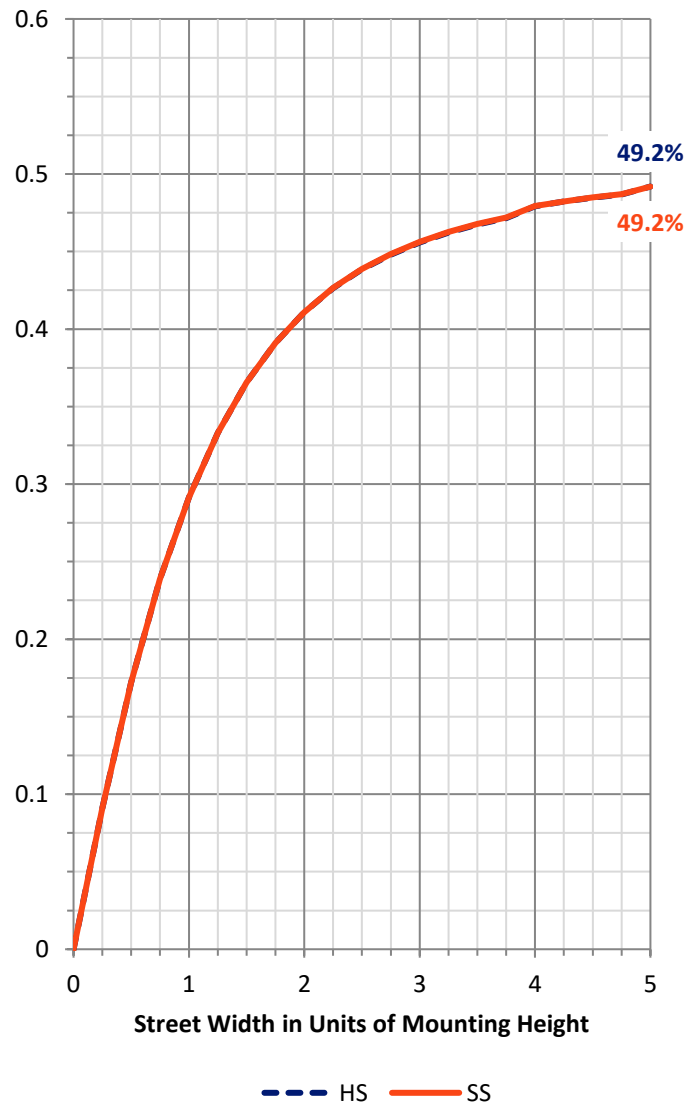
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2964.6	0.0	2964.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2964.6	0.0	2964.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5929.2	0.0	5929.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	1.9
10°-20°	330.3	5.6
20°-30°	528.4	8.9
30°-40°	698.0	11.8
40°-50°	872.5	14.7
50°-60°	1047.5	17.7
60°-70°	1145.0	19.3
70°-80°	909.7	15.3
80°-90°	285.2	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°	5929.2	100.0
0°-180°	5929.2	100.0



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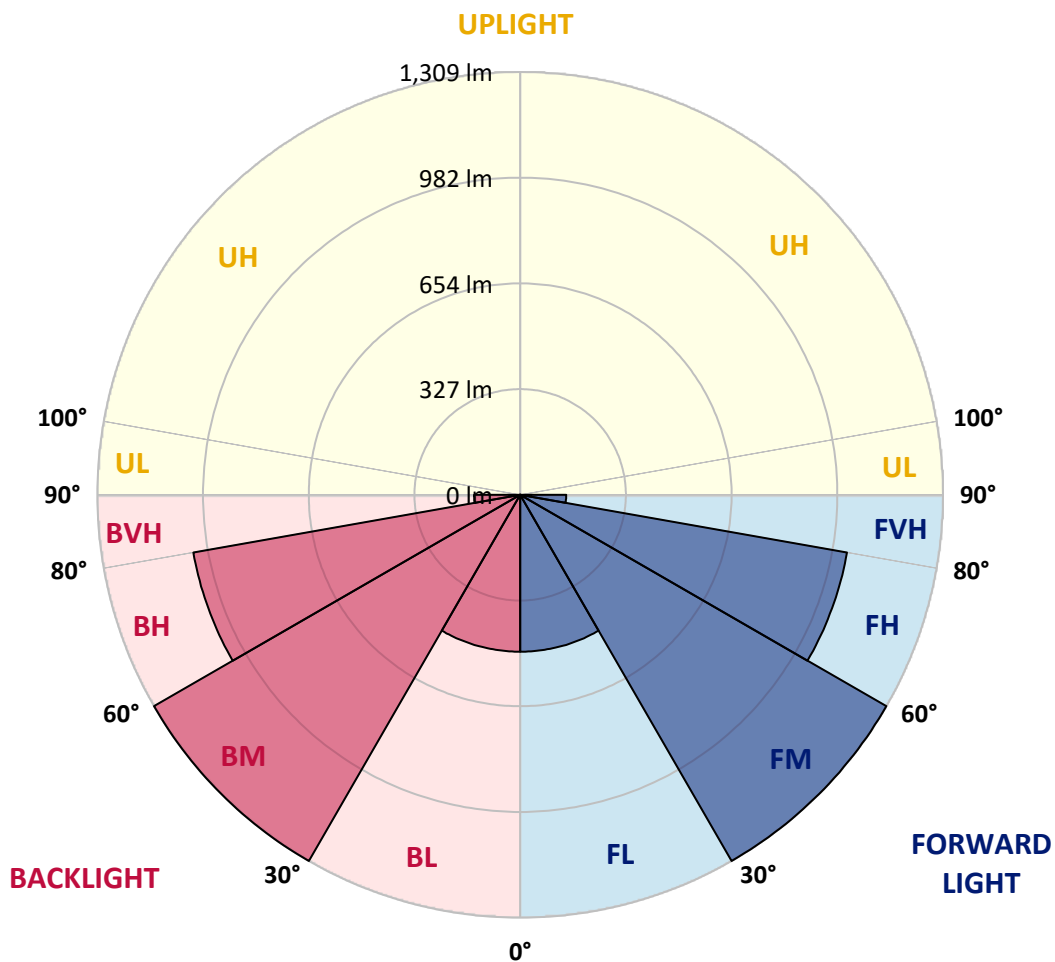
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.6	8.2			
FM	(30°-60°)	1309.0	22.1			
FH	(60°-80°)	1027.3	17.3			G1/1800
FVH	(80°-90°)	142.6	2.4			G2/225
BL	(0°-30°)	485.6	8.2	B1/500		
BM	(30°-60°)	1309.0	22.1	B2/2500		
BH	(60°-80°)	1027.3	17.3	B3/2500		G1/1800
BVH	(80°-90°)	142.6	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°	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9	1182.9
2.5°	1184.0	1184.0	1184.0	1184.0	1182.9	1184.0	1182.9	1182.9	1184.0	1184.0	1184.0
5°	1181.9	1181.9	1181.9	1181.9	1181.9	1181.9	1181.9	1181.9	1181.9	1181.9	1181.9
7.5°	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8	1178.8
10°	1174.7	1175.7	1175.7	1175.7	1174.7	1174.7	1174.7	1175.7	1175.7	1174.7	1174.7
12.5°	1170.5	1170.5	1171.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1169.5
15°	1164.3	1164.3	1165.3	1165.3	1165.3	1165.3	1165.3	1164.3	1164.3	1163.3	1163.3
17.5°	1159.1	1159.1	1161.2	1161.2	1162.2	1162.2	1162.2	1160.2	1160.2	1158.1	1158.1
20°	1158.1	1158.1	1159.1	1161.2	1162.2	1163.3	1162.2	1160.2	1158.1	1156.0	1156.0
22.5°	1150.8	1151.9	1153.9	1155.0	1157.0	1157.0	1157.0	1153.9	1152.9	1150.8	1150.8
25°	1141.5	1140.5	1143.6	1145.7	1147.7	1147.7	1146.7	1144.6	1143.6	1140.5	1140.5
27.5°	1127.0	1128.0	1130.1	1133.2	1136.3	1136.3	1135.3	1133.2	1131.1	1129.1	1128.0
30°	1114.6	1115.6	1117.7	1120.8	1122.9	1126.0	1122.9	1120.8	1117.7	1116.6	1115.6
32.5°	1101.1	1102.1	1105.3	1110.4	1113.5	1115.6	1113.5	1111.5	1106.3	1103.2	1102.1
35°	1091.8	1092.8	1095.9	1103.2	1109.4	1109.4	1109.4	1104.2	1098.0	1092.8	1091.8
37.5°	1092.8	1094.9	1102.1	1112.5	1122.9	1123.9	1122.9	1112.5	1103.2	1094.9	1093.9
40°	1101.1	1103.2	1115.6	1131.1	1144.6	1148.8	1145.7	1131.1	1116.6	1105.3	1102.1
42.5°	1100.1	1103.2	1116.6	1136.3	1149.8	1156.0	1149.8	1136.3	1118.7	1106.3	1102.1
45°	1095.9	1098.0	1112.5	1133.2	1149.8	1156.0	1150.8	1135.3	1115.6	1101.1	1098.0
47.5°	1089.7	1091.8	1103.2	1128.0	1146.7	1152.9	1147.7	1131.1	1106.3	1094.9	1092.8
50°	1081.4	1087.6	1106.3	1132.2	1157.0	1161.2	1158.1	1134.3	1108.4	1091.8	1083.5
52.5°	1089.7	1088.7	1110.4	1157.0	1179.8	1193.3	1182.9	1155.0	1115.6	1093.9	1091.8
55°	1108.4	1116.6	1140.5	1184.0	1221.3	1239.9	1225.4	1187.1	1142.5	1115.6	1110.4
57.5°	1107.3	1117.7	1160.2	1203.7	1260.6	1273.1	1256.5	1208.8	1158.1	1122.9	1109.4
60°	1101.1	1105.3	1137.4	1215.1	1247.2	1261.7	1247.2	1209.9	1145.7	1106.3	1106.3
62.5°	1080.4	1087.6	1138.4	1192.3	1237.8	1260.6	1243.0	1196.4	1137.4	1094.9	1081.4
65°	1066.9	1072.1	1121.8	1194.3	1259.6	1284.5	1255.5	1195.4	1124.9	1075.2	1068.0
67.5°	1024.5	1033.8	1080.4	1159.1	1222.3	1242.0	1230.6	1157.0	1080.4	1034.8	1023.4
70°	951.9	957.1	1021.3	1095.9	1153.9	1167.4	1150.8	1103.2	1015.1	964.4	948.8
72.5°	862.9	870.1	929.2	1012.0	1068.0	1085.6	1065.9	1015.1	924.0	878.4	863.9
75°	772.7	780.0	818.3	908.4	955.1	979.9	957.1	902.2	820.4	775.9	769.6
77.5°	643.3	654.7	713.7	773.8	818.3	844.2	824.5	773.8	709.6	656.7	637.0
80°	505.5	513.8	568.7	621.5	661.9	678.5	669.2	621.5	569.7	515.9	506.5
82.5°	354.3	359.4	407.1	449.6	499.3	499.3	488.9	457.8	406.1	359.4	361.5
85°	189.6	195.8	232.0	265.2	296.3	296.3	286.9	267.2	231.0	194.7	190.6
87.5°	38.3	42.5	55.9	61.1	72.5	77.7	70.4	64.2	55.9	44.5	44.5
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)