

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: P197568

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197568
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-C3-LED-E1-5CQ-PM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5685.5 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

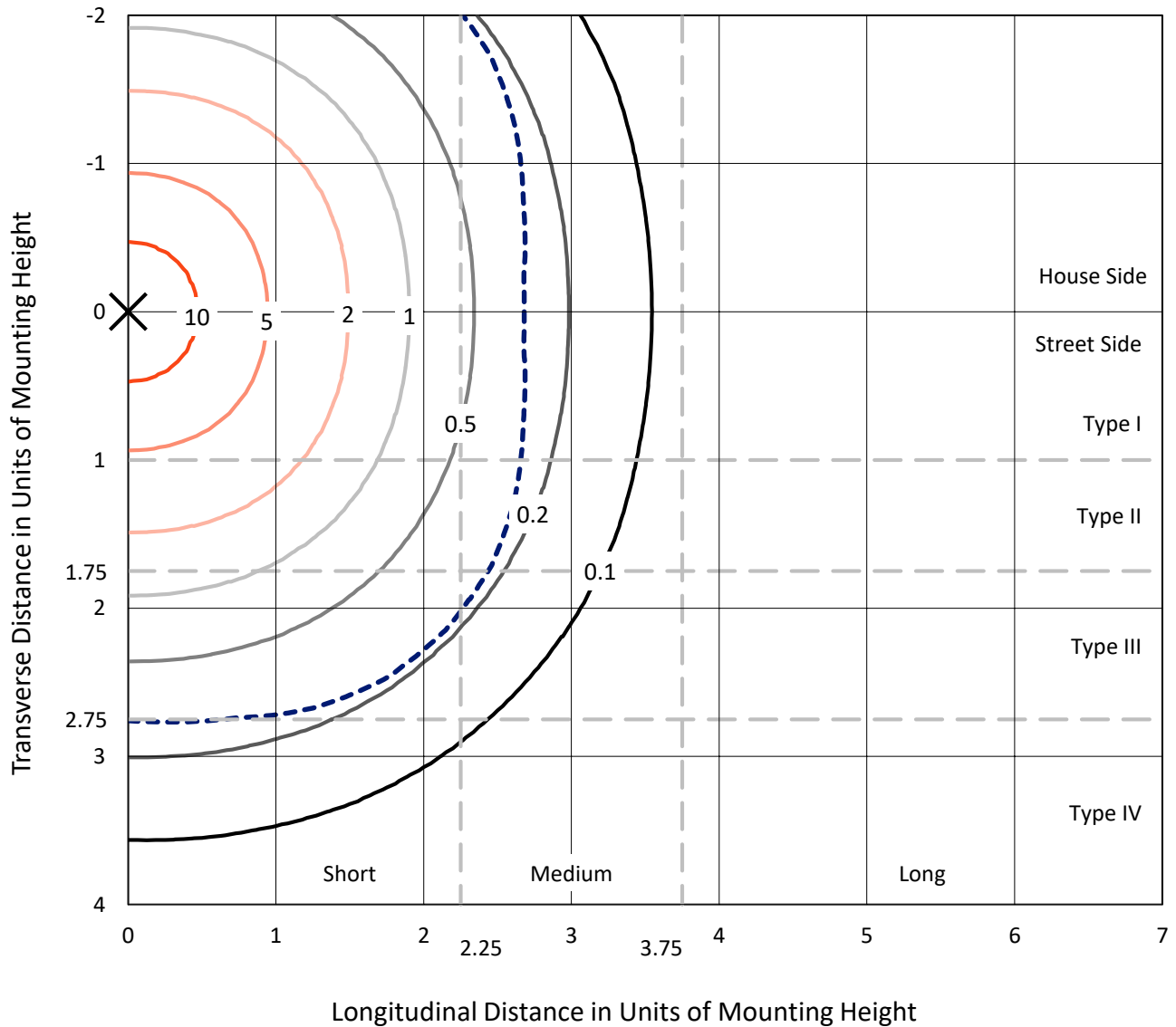
Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

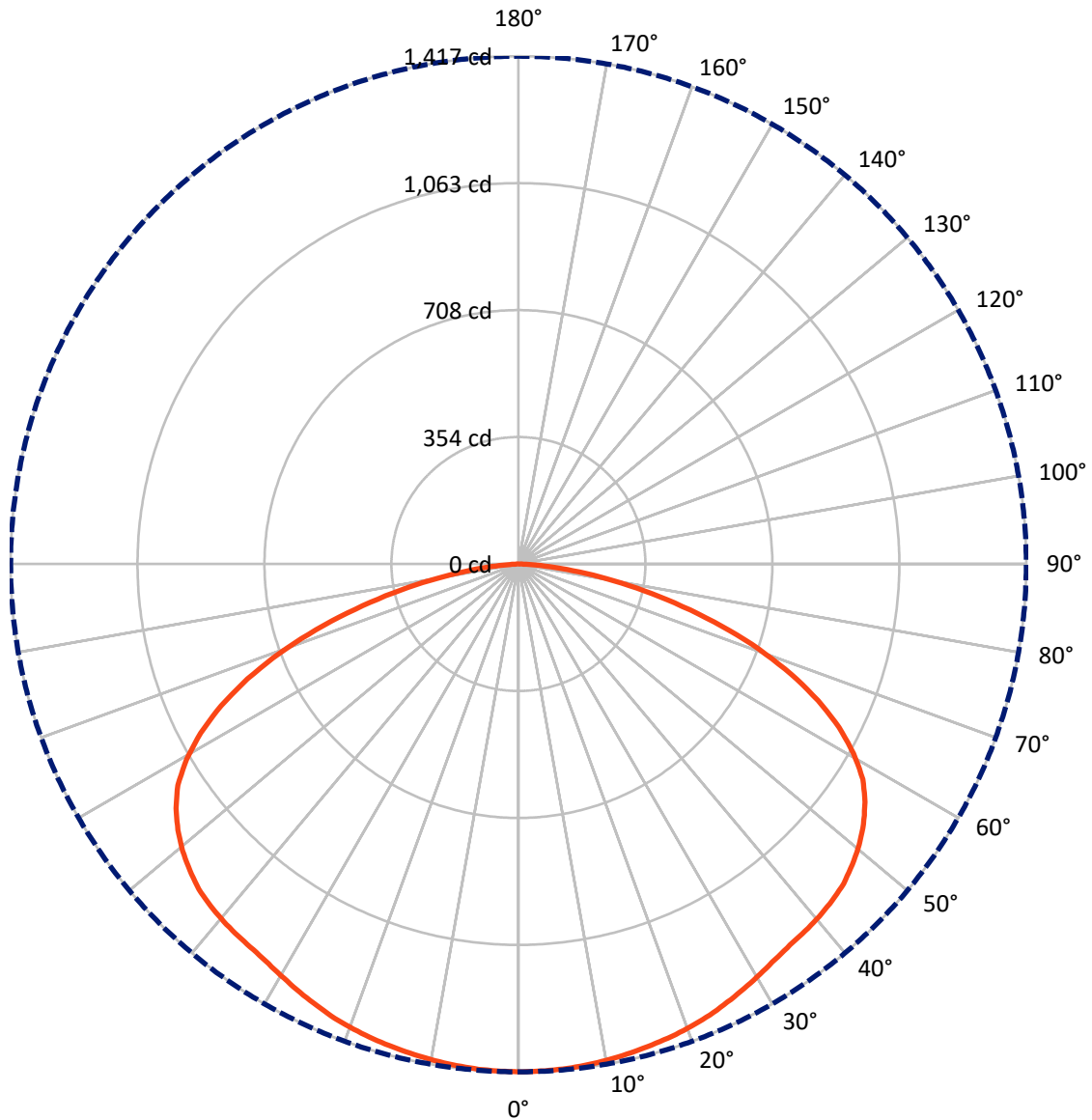
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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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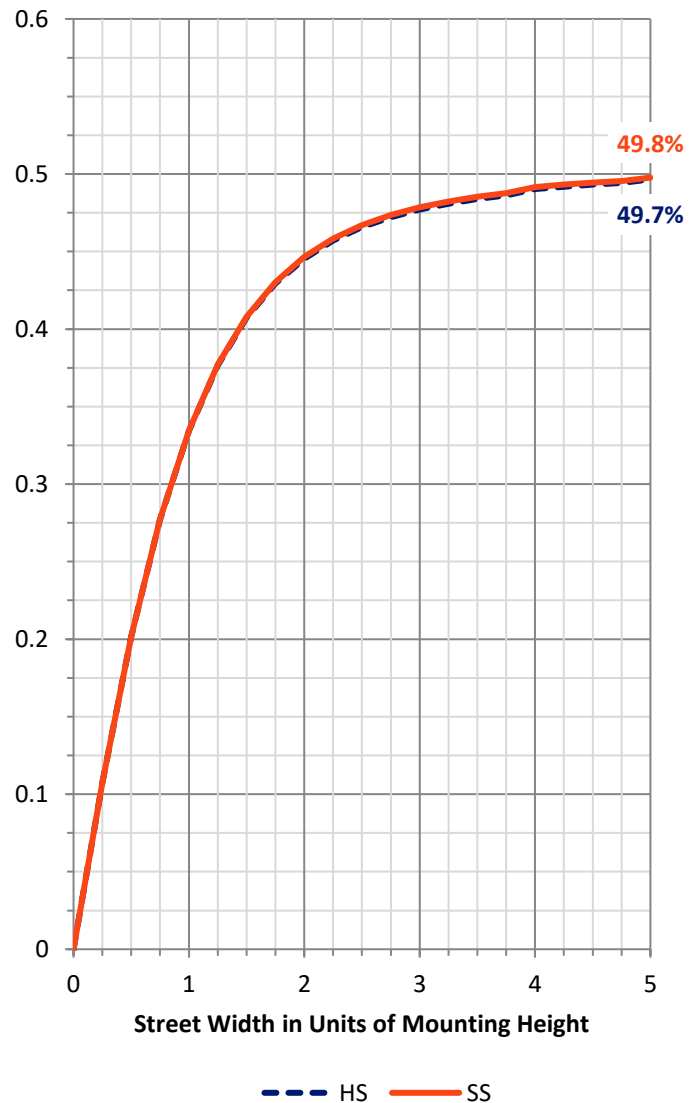
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2842.8	0.0	2842.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2842.8	0.0	2842.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5685.5	0.0	5685.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	2.4
10°-20°	394.3	6.9
20°-30°	627.3	11.0
30°-40°	829.6	14.6
40°-50°	1012.3	17.8
50°-60°	1093.3	19.2
60°-70°	946.8	16.7
70°-80°	536.8	9.4
80°-90°	110.4	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°	5685.5	100.0
0°-180°	5685.5	100.0



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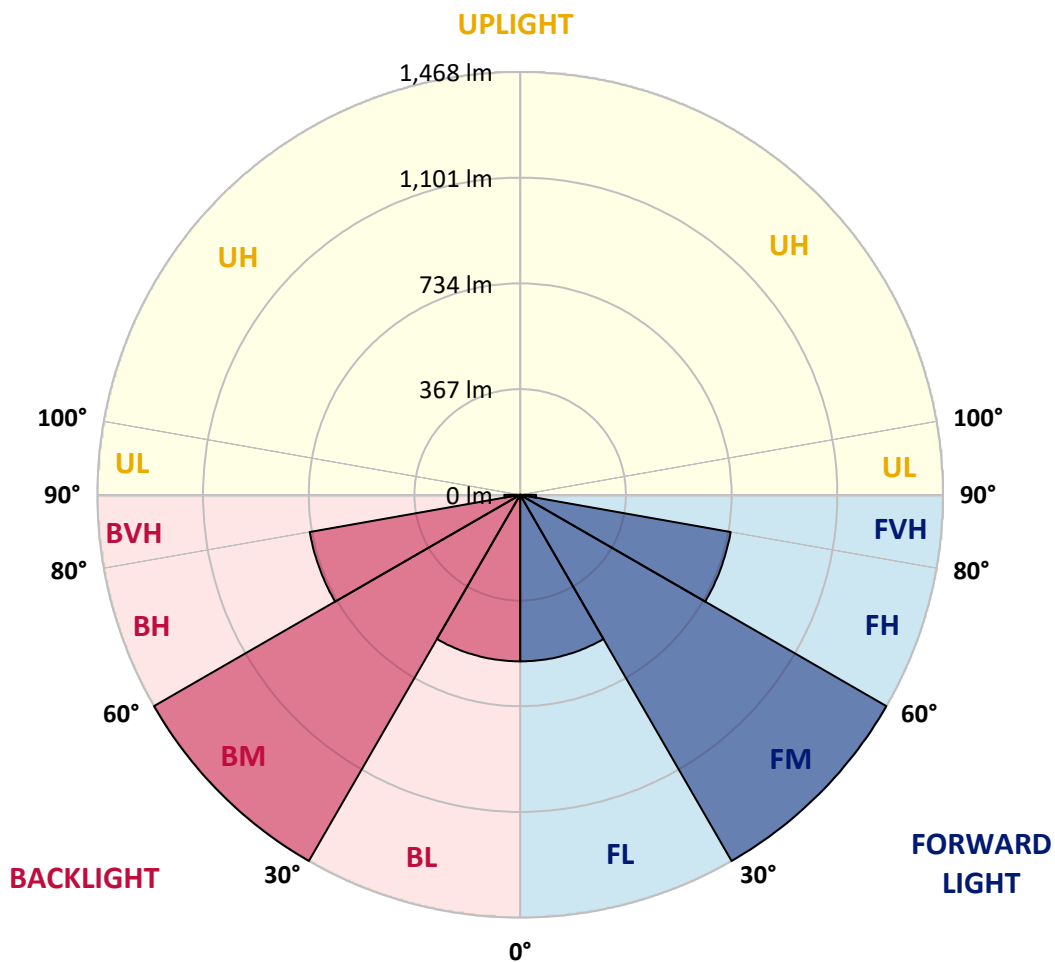
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	578.1	10.2			
FM	(30°-60°)	1467.6	25.8			
FH	(60°-80°)	741.8	13.0			G1/1800
FVH	(80°-90°)	55.2	1.0			G1/100
BL	(0°-30°)	578.1	10.2	B2/1000		
BM	(30°-60°)	1467.6	25.8	B2/2500		
BH	(60°-80°)	741.8	13.0	B2/1000		G1/1800
BVH	(80°-90°)	55.2	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°	1416.9	1416.9	1416.9	1416.9	1416.9	1416.9	1416.9	1416.9	1416.9	1416.9	1416.9
2.5°	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9	1415.9
5°	1414.0	1414.0	1414.0	1414.0	1414.0	1414.0	1414.0	1414.0	1414.0	1414.0	1414.0
7.5°	1410.0	1410.0	1410.0	1410.0	1410.0	1411.0	1410.0	1410.0	1410.0	1410.0	1411.0
10°	1405.2	1405.2	1406.2	1406.2	1405.2	1405.2	1405.2	1405.2	1405.2	1405.2	1405.2
12.5°	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1399.3	1398.3	1398.3	1398.3
15°	1392.4	1392.4	1392.4	1393.4	1393.4	1393.4	1393.4	1392.4	1391.5	1390.5	1391.5
17.5°	1385.6	1385.6	1386.5	1387.5	1387.5	1387.5	1387.5	1385.6	1384.6	1383.6	1383.6
20°	1376.8	1377.7	1377.7	1378.7	1379.7	1379.7	1379.7	1378.7	1376.8	1374.8	1374.8
22.5°	1367.0	1368.0	1368.9	1369.9	1370.9	1369.9	1369.9	1368.9	1367.0	1366.0	1365.1
25°	1354.2	1354.2	1356.3	1358.2	1359.2	1359.2	1359.2	1357.2	1355.2	1354.2	1353.3
27.5°	1341.6	1341.6	1343.5	1346.4	1347.4	1348.4	1346.4	1345.5	1342.6	1340.6	1340.6
30°	1327.9	1327.9	1330.8	1334.7	1337.6	1338.6	1337.6	1333.8	1329.8	1327.9	1327.9
32.5°	1315.1	1316.1	1319.1	1325.0	1329.8	1331.7	1330.8	1325.9	1321.0	1317.1	1316.1
35°	1305.3	1306.3	1312.2	1319.1	1326.9	1329.8	1326.9	1322.0	1314.1	1308.2	1308.2
37.5°	1299.4	1299.4	1307.3	1319.1	1327.9	1331.7	1327.9	1321.0	1310.3	1302.4	1302.4
40°	1292.7	1294.6	1304.4	1319.1	1331.7	1337.6	1332.8	1322.9	1309.3	1299.4	1298.5
42.5°	1283.8	1286.8	1297.5	1317.1	1332.8	1341.6	1336.7	1325.0	1308.2	1297.5	1296.5
45°	1272.1	1273.1	1286.8	1310.3	1330.8	1342.6	1338.6	1323.9	1305.3	1292.7	1290.6
47.5°	1253.5	1255.5	1272.1	1299.4	1325.0	1337.6	1334.7	1318.1	1294.6	1279.9	1277.0
50°	1232.0	1233.9	1253.5	1284.8	1313.2	1327.9	1322.9	1302.4	1277.0	1257.4	1255.5
52.5°	1205.6	1209.4	1231.0	1266.2	1296.5	1310.3	1302.4	1276.0	1246.7	1225.1	1223.2
55°	1173.3	1177.2	1201.6	1238.8	1269.2	1279.9	1269.2	1237.9	1206.5	1182.1	1177.2
57.5°	1133.1	1136.1	1159.6	1198.7	1228.0	1236.8	1223.2	1190.9	1153.7	1127.3	1124.3
60°	1074.4	1078.4	1105.7	1142.0	1171.3	1182.1	1168.4	1129.2	1089.1	1062.7	1061.6
62.5°	1003.9	1010.8	1034.3	1073.4	1099.8	1114.5	1096.0	1055.8	1015.7	985.4	985.4
65°	918.9	923.7	949.1	987.3	1012.7	1025.5	1006.9	969.7	925.6	899.3	896.4
67.5°	821.0	824.9	847.4	886.5	913.9	924.7	904.2	868.9	827.8	799.5	796.5
70°	712.4	718.2	734.8	771.1	795.5	801.4	785.8	752.5	715.3	689.9	687.9
72.5°	594.0	598.8	620.4	648.8	668.3	670.3	660.5	636.0	597.9	577.4	574.4
75°	472.6	480.4	499.1	523.5	538.2	538.2	532.3	514.7	481.5	465.8	465.8
77.5°	358.1	362.1	381.6	398.3	410.0	415.8	409.0	393.3	366.9	356.2	350.3
80°	249.5	253.5	262.2	275.0	286.7	290.7	282.8	270.1	255.4	247.6	243.7
82.5°	152.6	156.6	161.4	168.3	176.1	180.1	175.2	167.3	154.6	153.6	152.6
85°	73.4	75.3	79.3	81.2	85.2	86.1	87.1	83.1	79.3	74.3	76.4
87.5°	22.5	22.5	23.5	24.5	26.4	26.4	26.4	25.4	23.5	22.5	22.5
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)