

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: P197569

Luminaire Tested: **TT-C4-LED-E1-5CQ-PM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197569
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-C4-LED-E1-5CQ-PM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5485.2 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

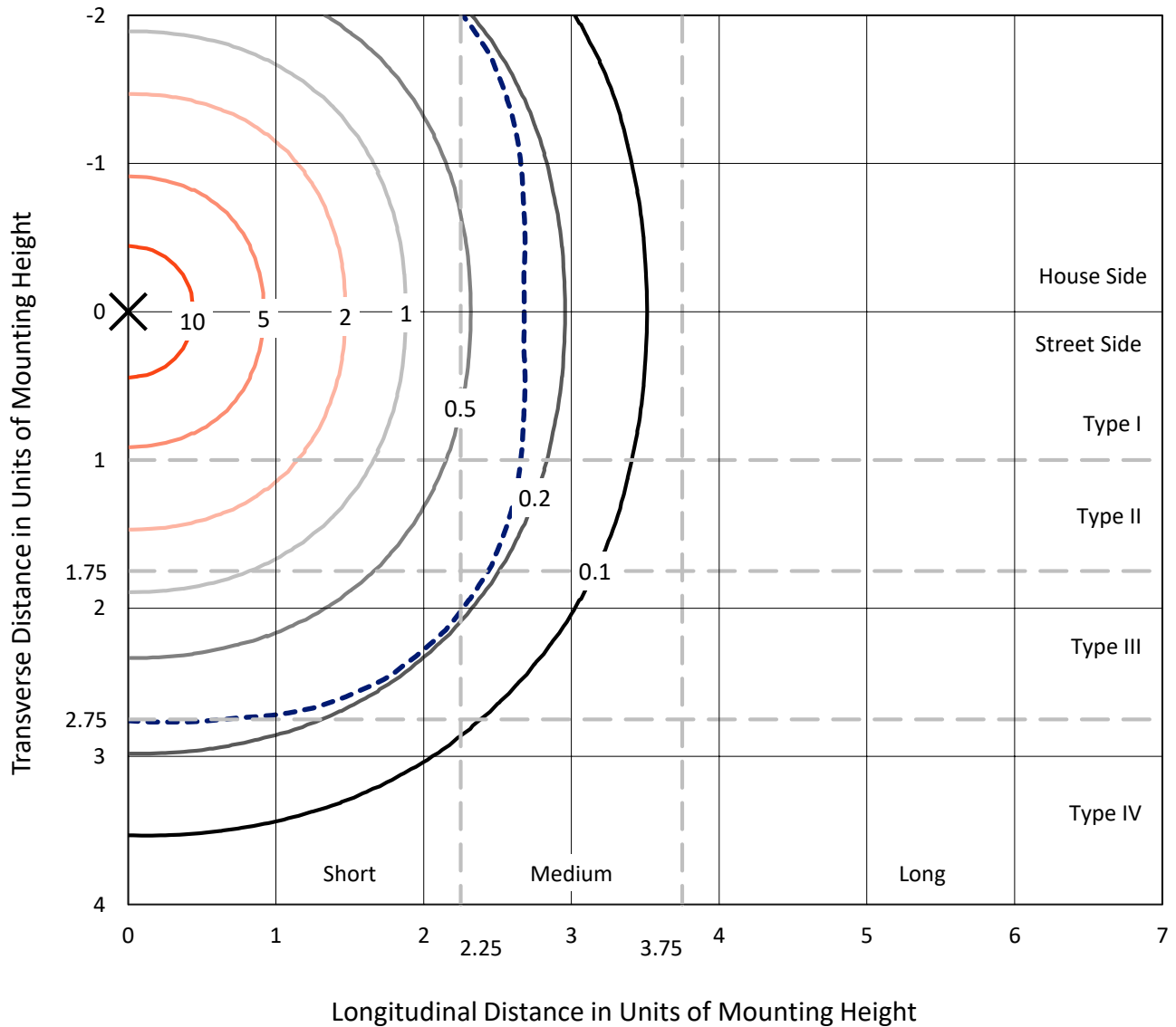
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

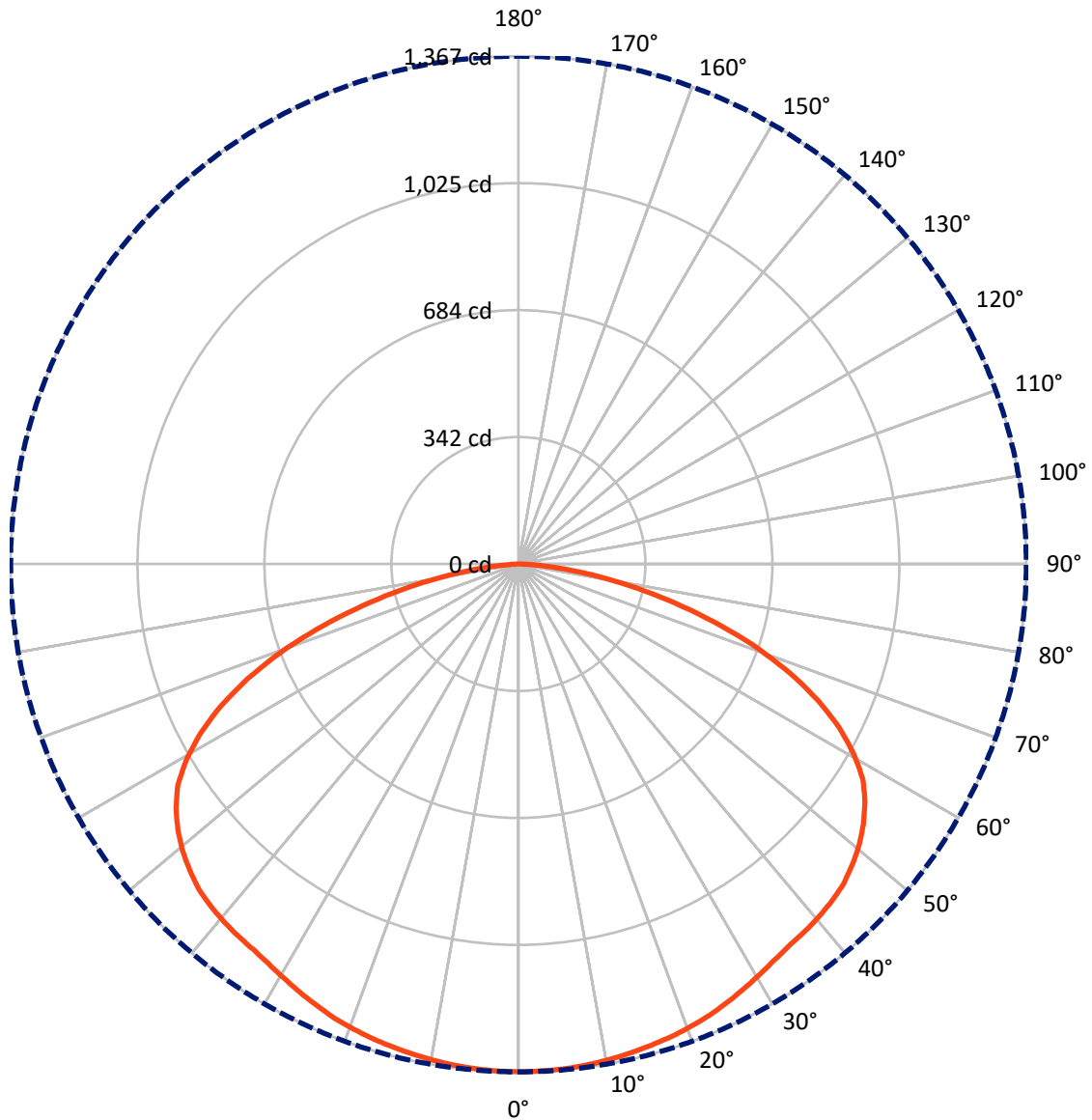
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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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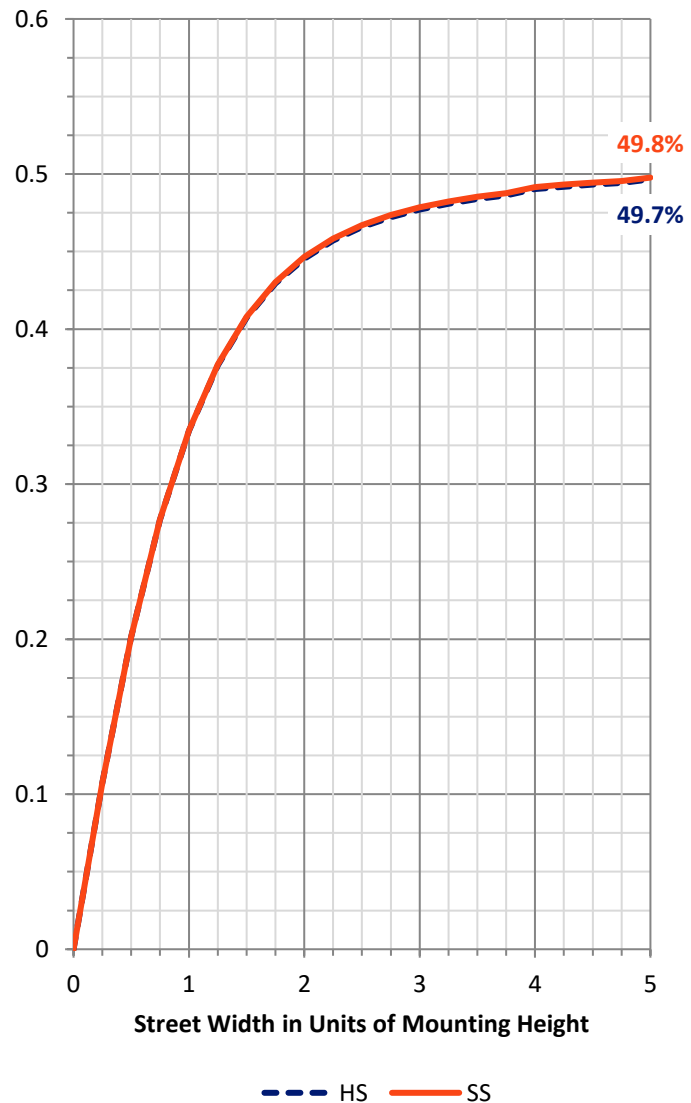
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2742.6	0.0	2742.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2742.6	0.0	2742.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5485.2	0.0	5485.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	2.4
10°-20°	380.4	6.9
20°-30°	605.2	11.0
30°-40°	800.4	14.6
40°-50°	976.7	17.8
50°-60°	1054.8	19.2
60°-70°	913.4	16.7
70°-80°	517.9	9.4
80°-90°	106.5	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°	5485.2	100.0
0°-180°	5485.2	100.0



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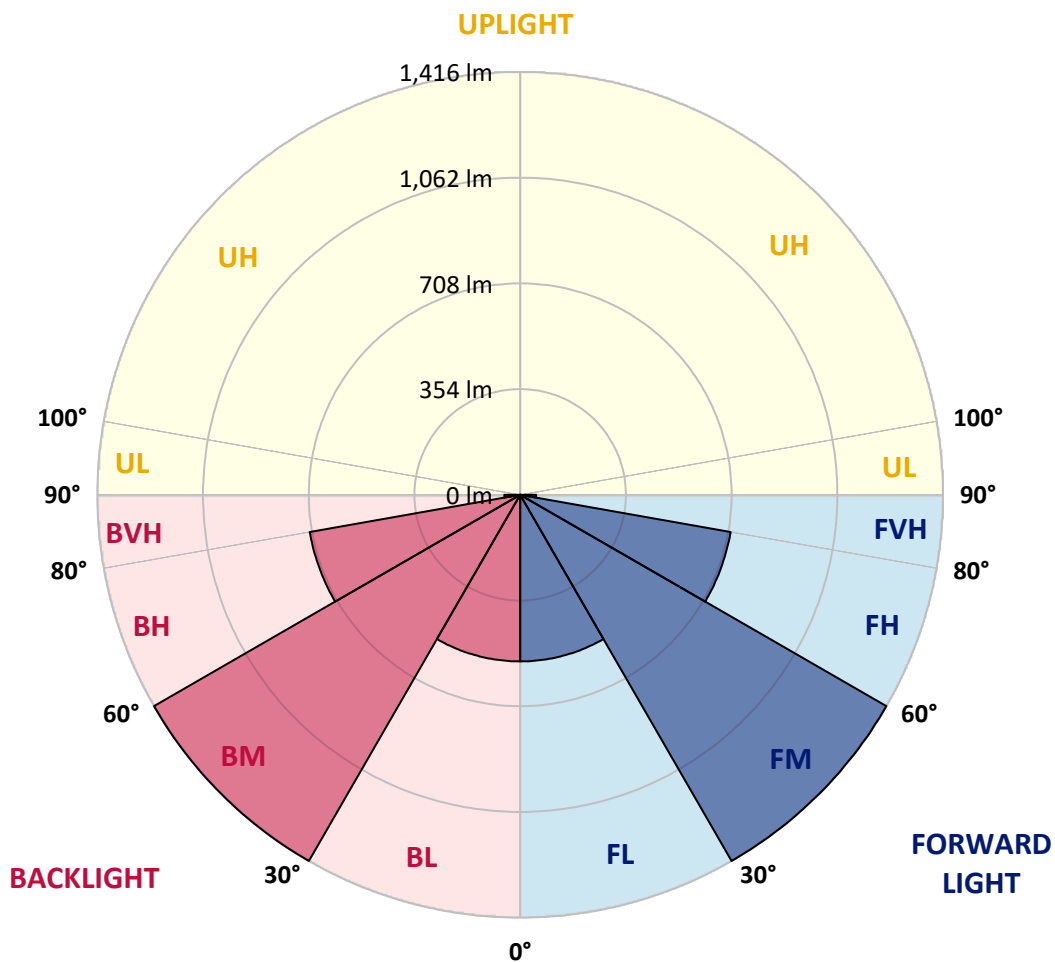
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.8	10.2			
FM (30°-60°)	1415.9	25.8			
FH (60°-80°)	715.7	13.0			G1/1800
FVH (80°-90°)	53.3	1.0			G1/100
BL (0°-30°)	557.8	10.2	B2/1000		
BM (30°-60°)	1415.9	25.8	B2/2500		
BH (60°-80°)	715.7	13.0	B2/1000		G1/1800
BVH (80°-90°)	53.3	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°	1367.0	1367.0	1367.0	1367.0	1367.0	1367.0	1367.0	1367.0	1367.0	1367.0	1367.0
2.5°	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0	1366.0
5°	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1	1364.1
7.5°	1360.3	1360.3	1360.3	1360.3	1360.3	1361.3	1360.3	1360.3	1360.3	1360.3	1361.3
10°	1355.7	1355.7	1356.6	1356.6	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7	1355.7
12.5°	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1350.0	1349.0	1349.0	1349.0
15°	1343.4	1343.4	1343.4	1344.3	1344.3	1344.3	1344.3	1343.4	1342.5	1341.5	1342.5
17.5°	1336.8	1336.8	1337.7	1338.7	1338.7	1338.7	1338.7	1336.8	1335.8	1334.9	1334.9
20°	1328.2	1329.2	1329.2	1330.2	1331.1	1331.1	1331.1	1330.2	1328.2	1326.4	1326.4
22.5°	1318.9	1319.7	1320.7	1321.7	1322.6	1321.7	1321.7	1320.7	1318.9	1317.9	1316.9
25°	1306.6	1306.6	1308.4	1310.4	1311.3	1311.3	1311.3	1309.4	1307.5	1306.6	1305.6
27.5°	1294.3	1294.3	1296.2	1299.1	1299.9	1300.9	1299.1	1298.1	1295.2	1293.4	1293.4
30°	1281.1	1281.1	1283.9	1287.6	1290.5	1291.4	1290.5	1286.8	1283.0	1281.1	1281.1
32.5°	1268.8	1269.8	1272.6	1278.3	1283.0	1284.8	1283.9	1279.1	1274.5	1270.7	1269.8
35°	1259.3	1260.3	1266.0	1272.6	1280.1	1283.0	1280.1	1275.4	1267.8	1262.2	1262.2
37.5°	1253.7	1253.7	1261.3	1272.6	1281.1	1284.8	1281.1	1274.5	1264.1	1256.5	1256.5
40°	1247.0	1249.0	1258.5	1272.6	1284.8	1290.5	1285.8	1276.3	1263.1	1253.7	1252.8
42.5°	1238.6	1241.4	1251.8	1270.7	1285.8	1294.3	1289.6	1278.3	1262.2	1251.8	1250.8
45°	1227.2	1228.2	1241.4	1264.1	1283.9	1295.2	1291.4	1277.3	1259.3	1247.0	1245.2
47.5°	1209.4	1211.2	1227.2	1253.7	1278.3	1290.5	1287.6	1271.6	1249.0	1234.8	1232.0
50°	1188.6	1190.4	1209.4	1239.5	1266.9	1281.1	1276.3	1256.5	1232.0	1213.1	1211.2
52.5°	1163.0	1166.8	1187.6	1221.6	1250.8	1264.1	1256.5	1231.0	1202.7	1182.0	1180.1
55°	1131.9	1135.7	1159.3	1195.1	1224.4	1234.8	1224.4	1194.2	1164.0	1140.4	1135.7
57.5°	1093.2	1096.1	1118.7	1156.5	1184.8	1193.3	1180.1	1148.9	1113.1	1087.6	1084.8
60°	1036.5	1040.4	1066.8	1101.7	1130.0	1140.4	1127.2	1089.4	1050.7	1025.2	1024.3
62.5°	968.6	975.2	997.9	1035.6	1061.1	1075.3	1057.3	1018.6	980.0	950.7	950.7
65°	886.5	891.1	915.7	952.5	977.1	989.3	971.5	935.5	893.1	867.6	864.7
67.5°	792.1	795.8	817.6	855.3	881.8	892.1	872.3	838.4	798.6	771.3	768.5
70°	687.3	693.0	709.0	743.9	767.5	773.2	758.0	725.9	690.1	665.5	663.7
72.5°	573.0	577.8	598.5	625.9	644.7	646.7	637.2	613.6	576.8	557.0	554.2
75°	456.0	463.5	481.5	505.1	519.3	519.3	513.6	496.6	464.5	449.4	449.4
77.5°	345.5	349.3	368.2	384.2	395.5	401.2	394.6	379.5	354.0	343.6	337.9
80°	240.7	244.5	253.0	265.2	276.6	280.4	272.8	260.6	246.4	238.9	235.1
82.5°	147.3	151.1	155.7	162.4	169.9	173.7	169.0	161.4	149.2	148.2	147.3
85°	70.8	72.7	76.5	78.4	82.2	83.0	84.0	80.2	76.5	71.7	73.7
87.5°	21.7	21.7	22.6	23.6	25.5	25.5	25.5	24.6	22.6	21.7	21.7
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)