

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: P197566

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197566  
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  
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: 6140.6 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B2 - U0 - G1

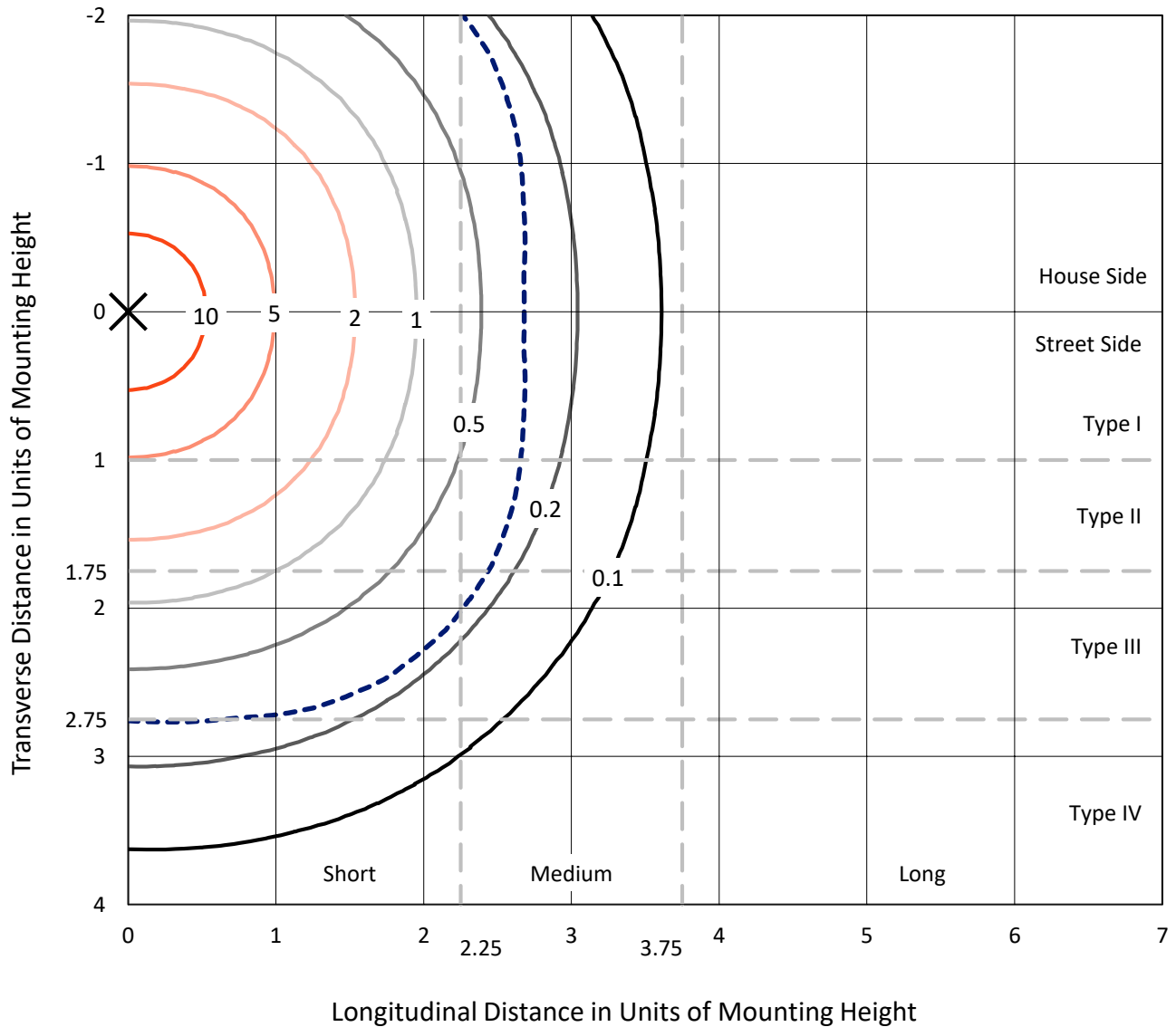
Input Watts (W): 45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P197566  
 CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM

### Iso-Footcandle Lines of Horizontal Illumination

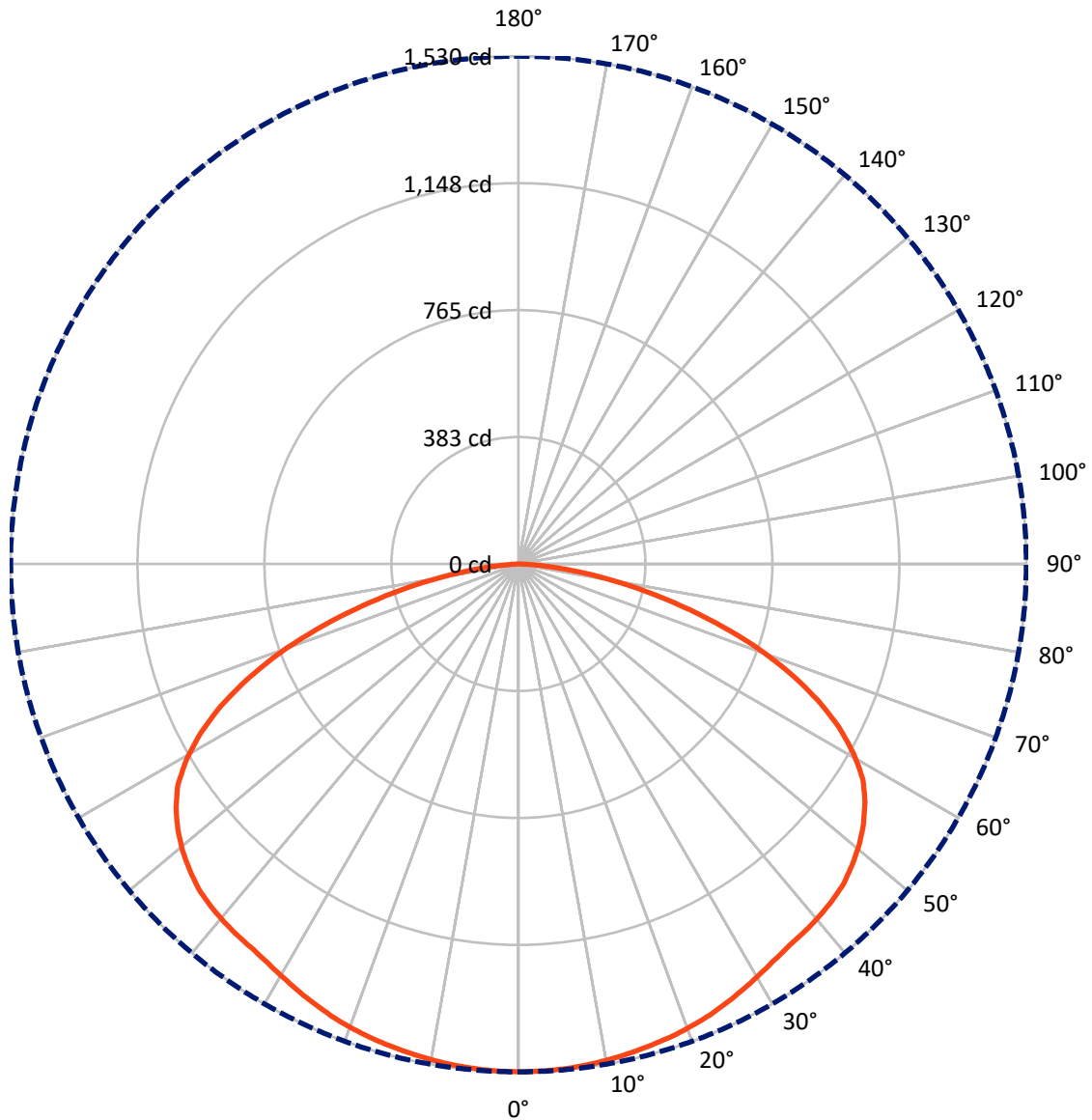
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc  
 Type V - Short - Full Cutoff

REPORT NUMBER: P197566  
CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P197566

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM

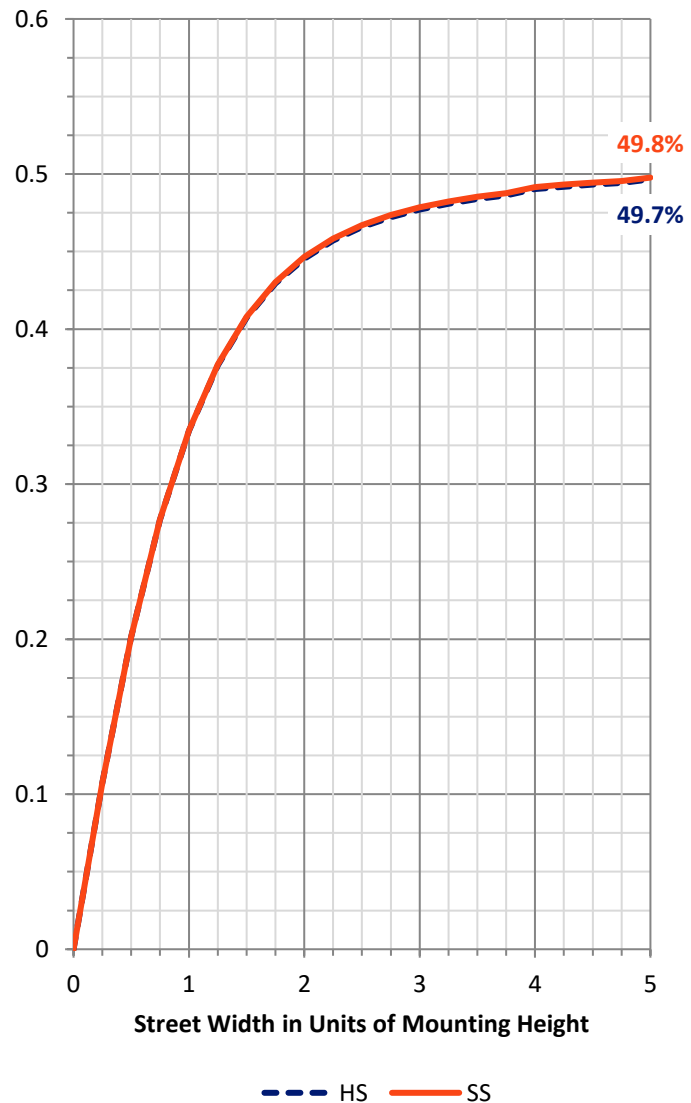
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3070.3	0.0	3070.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3070.3	0.0	3070.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6140.6	0.0	6140.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.5	2.4
10°-20°	425.9	6.9
20°-30°	677.5	11.0
30°-40°	896.0	14.6
40°-50°	1093.4	17.8
50°-60°	1180.8	19.2
60°-70°	1022.6	16.7
70°-80°	579.8	9.4
80°-90°	119.2	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°	6140.6	100.0
0°-180°	6140.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P197566

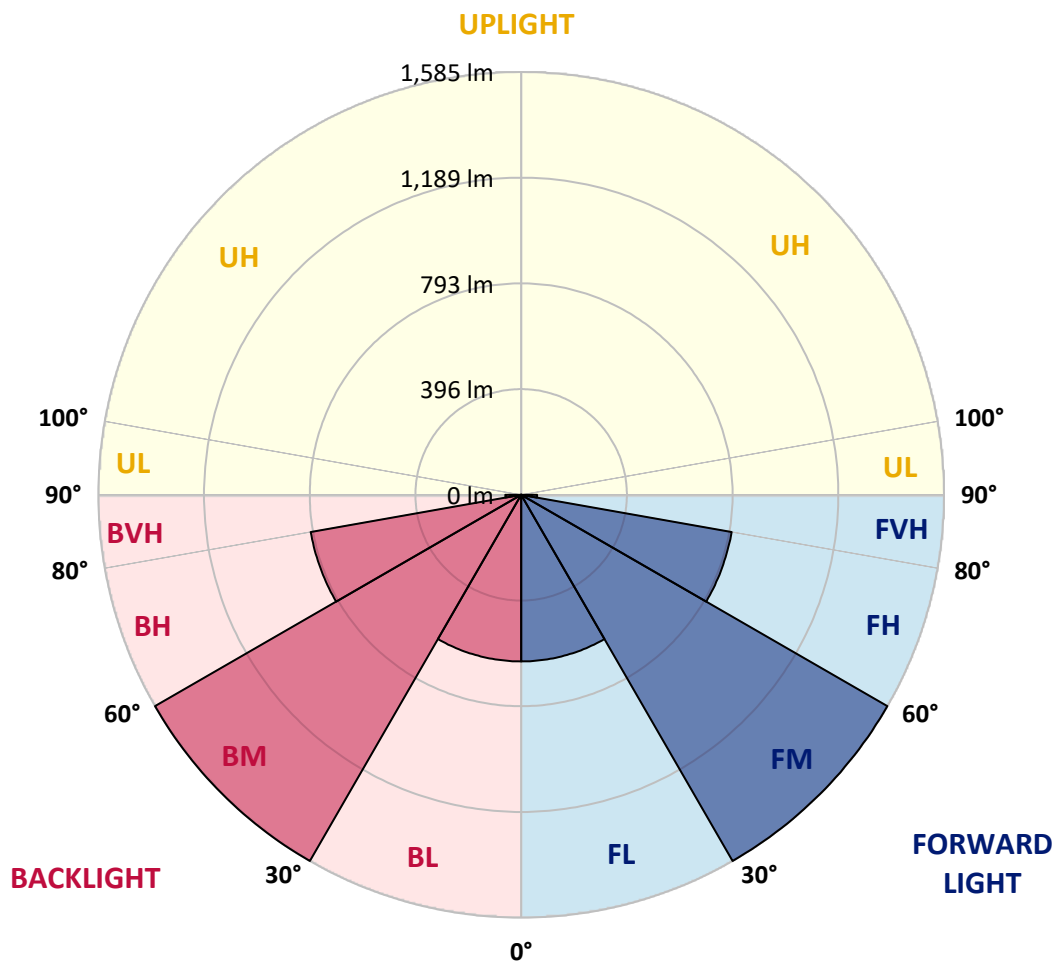
CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.4	10.2			
FM (30°-60°)	1585.1	25.8			
FH (60°-80°)	801.2	13.0			G1/1800
FVH (80°-90°)	59.6	1.0			G1/100
BL (0°-30°)	624.4	10.2	B2/1000		
BM (30°-60°)	1585.1	25.8	B2/2500		
BH (60°-80°)	801.2	13.0	B2/1000		G1/1800
BVH (80°-90°)	59.6	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





REPORT NUMBER: P197566

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1530.4	1530.4	1530.4	1530.4	1530.4	1530.4	1530.4	1530.4	1530.4	1530.4	1530.4
2.5°	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3	1529.3
5°	1527.2	1527.2	1527.2	1527.2	1527.2	1527.2	1527.2	1527.2	1527.2	1527.2	1527.2
7.5°	1522.9	1522.9	1522.9	1522.9	1522.9	1524.0	1522.9	1522.9	1522.9	1522.9	1524.0
10°	1517.6	1517.6	1518.7	1518.7	1517.6	1517.6	1517.6	1517.6	1517.6	1517.6	1517.6
12.5°	1511.3	1511.3	1511.3	1511.3	1511.3	1511.3	1511.3	1511.3	1510.3	1510.3	1510.3
15°	1503.9	1503.9	1503.9	1504.9	1504.9	1504.9	1504.9	1503.9	1502.8	1501.8	1502.8
17.5°	1496.5	1496.5	1497.6	1498.7	1498.7	1498.7	1498.7	1496.5	1495.5	1494.4	1494.4
20°	1487.0	1488.0	1488.0	1489.1	1490.2	1490.2	1490.2	1489.1	1487.0	1484.9	1484.9
22.5°	1476.4	1477.5	1478.6	1479.6	1480.7	1479.6	1479.6	1478.6	1476.4	1475.4	1474.3
25°	1462.7	1462.7	1464.8	1467.0	1468.0	1468.0	1468.0	1465.9	1463.8	1462.7	1461.6
27.5°	1449.0	1449.0	1451.1	1454.2	1455.3	1456.3	1454.2	1453.2	1450.0	1447.9	1447.9
30°	1434.2	1434.2	1437.4	1441.5	1444.7	1445.8	1444.7	1440.5	1436.3	1434.2	1434.2
32.5°	1420.5	1421.5	1424.6	1431.0	1436.3	1438.3	1437.4	1432.1	1426.7	1422.5	1421.5
35°	1409.8	1410.9	1417.3	1424.6	1433.1	1436.3	1433.1	1427.8	1419.4	1413.0	1413.0
37.5°	1403.5	1403.5	1412.0	1424.6	1434.2	1438.3	1434.2	1426.7	1415.1	1406.6	1406.6
40°	1396.1	1398.2	1408.8	1424.6	1438.3	1444.7	1439.4	1428.9	1414.1	1403.5	1402.5
42.5°	1386.6	1389.8	1401.4	1422.5	1439.4	1449.0	1443.7	1431.0	1413.0	1401.4	1400.4
45°	1374.0	1374.9	1389.8	1415.1	1437.4	1450.0	1445.8	1429.9	1409.8	1396.1	1394.0
47.5°	1353.9	1356.0	1374.0	1403.5	1431.0	1444.7	1441.5	1423.6	1398.2	1382.4	1379.2
50°	1330.6	1332.7	1353.9	1387.7	1418.3	1434.2	1428.9	1406.6	1379.2	1358.0	1356.0
52.5°	1302.1	1306.3	1329.5	1367.6	1400.4	1415.1	1406.6	1378.1	1346.4	1323.2	1321.1
55°	1267.2	1271.4	1297.8	1338.0	1370.8	1382.4	1370.8	1336.9	1303.1	1276.7	1271.4
57.5°	1223.9	1227.0	1252.4	1294.6	1326.3	1335.9	1321.1	1286.2	1246.1	1217.5	1214.4
60°	1160.4	1164.7	1194.3	1233.3	1265.0	1276.7	1261.9	1219.6	1176.3	1147.8	1146.7
62.5°	1084.4	1091.7	1117.1	1159.4	1187.9	1203.7	1183.6	1140.3	1097.0	1064.3	1064.3
65°	992.4	997.7	1025.1	1066.4	1093.8	1107.6	1087.6	1047.3	999.8	971.3	968.1
67.5°	886.7	890.9	915.2	957.5	987.1	998.7	976.6	938.5	894.1	863.5	860.3
70°	769.4	775.7	793.7	832.8	859.2	865.6	848.7	812.7	772.5	745.1	743.0
72.5°	641.6	646.8	670.1	700.7	721.9	723.9	713.4	687.0	645.7	623.6	620.4
75°	510.5	518.9	539.0	565.4	581.2	581.2	575.0	555.9	520.0	503.0	503.0
77.5°	386.8	391.0	412.2	430.2	442.8	449.2	441.7	424.8	396.3	384.7	378.3
80°	269.5	273.7	283.2	296.9	309.7	313.9	305.5	291.7	275.9	267.4	263.1
82.5°	164.9	169.1	174.4	181.8	190.2	194.5	189.2	180.8	166.9	166.0	164.9
85°	79.3	81.4	85.6	87.7	91.9	93.0	94.1	89.8	85.6	80.3	82.5
87.5°	24.3	24.3	25.3	26.4	28.5	28.5	28.5	27.5	25.3	24.3	24.3
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)