



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VOL48AFAMCT-30-H.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 14449548.04
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 9/7/2022
 [TESTDATE] 9/7/2022
 [MANUFAC] LAMAR LED
 [LUMCAT] VOL48AFAMCT (30K)
 [LUMINAIRE] Formed white steel housing, frosted plastic lens enclosure
 [LAMP] 192 total LEDs 96 yellow LEDs, 96 orange
 [BALLAST] One Keystone KTL D-50-UV-SC1400-56-VDIM-U7
 [OTHER] 24.5 C, 119.948 V, 0.349599 A, 41.6575 W, 0.99341 PF, 60.0072
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5046
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	41.6575
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.46 ft
Luminous Height	0.15 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8339	7243	7318
55	7691	6514	6739
65	6916	5809	6179
75	5400	4972	5582
85	2512	4287	5225

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1551.0	1551.0	1551.0	1551.0	1551.0
0.5	1576.0	1551.0	1544.0	1548.0	1543.0
1.0	1575.0	1552.0	1543.0	1548.0	1543.0
1.5	1575.0	1551.0	1543.0	1548.0	1543.0
2.0	1575.0	1551.0	1542.0	1548.0	1543.0
2.5	1574.0	1550.0	1542.0	1548.0	1543.0
3.0	1574.0	1549.0	1541.0	1548.0	1542.0
3.5	1572.0	1548.0	1540.0	1547.0	1542.0
4.0	1571.0	1547.0	1539.0	1547.0	1542.0
4.5	1570.0	1546.0	1538.0	1546.0	1541.0
5.0	1568.0	1544.0	1537.0	1545.0	1540.0
5.5	1567.0	1543.0	1536.0	1544.0	1539.0
6.0	1566.0	1541.0	1535.0	1543.0	1537.0
6.5	1564.0	1540.0	1533.0	1542.0	1536.0
7.0	1562.0	1538.0	1531.0	1540.0	1535.0
7.5	1559.0	1536.0	1530.0	1538.0	1534.0
8.0	1557.0	1534.0	1528.0	1537.0	1533.0
8.5	1555.0	1531.0	1526.0	1535.0	1531.0
9.0	1552.0	1529.0	1524.0	1533.0	1530.0
9.5	1550.0	1527.0	1522.0	1532.0	1528.0
10.0	1547.0	1524.0	1520.0	1529.0	1526.0
10.5	1544.0	1522.0	1517.0	1527.0	1524.0
11.0	1541.0	1519.0	1515.0	1525.0	1522.0
11.5	1538.0	1515.0	1512.0	1523.0	1520.0
12.0	1534.0	1512.0	1509.0	1521.0	1517.0
12.5	1531.0	1509.0	1507.0	1518.0	1515.0
13.0	1527.0	1505.0	1503.0	1515.0	1512.0
13.5	1523.0	1502.0	1500.0	1513.0	1510.0
14.0	1519.0	1498.0	1497.0	1510.0	1507.0
14.5	1515.0	1494.0	1493.0	1507.0	1505.0
15.0	1510.0	1490.0	1489.0	1504.0	1503.0
15.5	1505.0	1485.0	1486.0	1501.0	1500.0
16.0	1501.0	1481.0	1482.0	1498.0	1497.0
16.5	1496.0	1477.0	1478.0	1494.0	1494.0
17.0	1491.0	1472.0	1474.0	1491.0	1491.0
17.5	1486.0	1467.0	1469.0	1487.0	1488.0
18.0	1480.0	1462.0	1465.0	1483.0	1484.0
18.5	1475.0	1458.0	1461.0	1479.0	1481.0
19.0	1470.0	1452.0	1456.0	1474.0	1476.0
19.5	1464.0	1447.0	1452.0	1470.0	1471.0
20.0	1458.0	1442.0	1447.0	1465.0	1467.0
20.5	1452.0	1436.0	1442.0	1460.0	1462.0
21.0	1447.0	1430.0	1437.0	1455.0	1457.0
21.5	1440.0	1425.0	1432.0	1450.0	1452.0
22.0	1434.0	1419.0	1427.0	1444.0	1446.0
22.5	1427.0	1413.0	1421.0	1439.0	1442.0
23.0	1420.0	1406.0	1415.0	1434.0	1437.0
23.5	1413.0	1400.0	1409.0	1428.0	1431.0
24.0	1406.0	1393.0	1403.0	1422.0	1426.0
24.5	1399.0	1386.0	1397.0	1417.0	1421.0
25.0	1392.0	1380.0	1390.0	1412.0	1415.0
25.5	1384.0	1372.0	1384.0	1406.0	1410.0
26.0	1376.0	1365.0	1378.0	1401.0	1404.0
26.5	1369.0	1357.0	1371.0	1395.0	1399.0

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CANDELA TABULATION - (Cont.)

27.0	1361.0	1350.0	1364.0	1390.0	1394.0
27.5	1352.0	1342.0	1357.0	1384.0	1388.0
28.0	1344.0	1334.0	1350.0	1378.0	1383.0
28.5	1336.0	1326.0	1343.0	1372.0	1377.0
29.0	1327.0	1318.0	1336.0	1366.0	1372.0
29.5	1319.0	1310.0	1329.0	1360.0	1367.0
30.0	1310.0	1301.0	1322.0	1353.0	1360.0
30.5	1301.0	1293.0	1315.0	1347.0	1355.0
31.0	1292.0	1284.0	1307.0	1340.0	1348.0
31.5	1283.0	1276.0	1300.0	1333.0	1342.0
32.0	1274.0	1267.0	1292.0	1325.0	1334.0
32.5	1264.0	1258.0	1284.0	1318.0	1327.0
33.0	1255.0	1249.0	1276.0	1310.0	1320.0
33.5	1245.0	1240.0	1268.0	1302.0	1312.0
34.0	1235.0	1231.0	1259.0	1294.0	1304.0
34.5	1226.0	1221.0	1250.0	1286.0	1296.0
35.0	1216.0	1212.0	1242.0	1278.0	1288.0
35.5	1206.0	1202.0	1233.0	1269.0	1280.0
36.0	1196.0	1192.0	1223.0	1261.0	1272.0
36.5	1186.0	1182.0	1214.0	1253.0	1264.0
37.0	1176.0	1172.0	1204.0	1244.0	1256.0
37.5	1165.0	1162.0	1195.0	1235.0	1247.0
38.0	1155.0	1152.0	1185.0	1227.0	1239.0
38.5	1145.0	1141.0	1176.0	1218.0	1231.0
39.0	1133.0	1131.0	1166.0	1209.0	1222.0
39.5	1122.0	1121.0	1157.0	1200.0	1214.0
40.0	1112.0	1110.0	1147.0	1192.0	1205.0
40.5	1100.0	1100.0	1138.0	1183.0	1196.0
41.0	1089.0	1089.0	1128.0	1173.0	1187.0
41.5	1078.0	1078.0	1118.0	1164.0	1179.0
42.0	1067.0	1067.0	1108.0	1155.0	1169.0
42.5	1055.0	1057.0	1099.0	1146.0	1160.0
43.0	1044.0	1046.0	1088.0	1136.0	1151.0
43.5	1033.0	1035.0	1078.0	1127.0	1142.0
44.0	1022.0	1024.0	1068.0	1117.0	1133.0
44.5	1010.0	1013.0	1058.0	1108.0	1124.0
45.0	999.2	1002.0	1047.0	1098.0	1114.0
45.5	987.6	991.0	1037.0	1088.0	1105.0
46.0	976.3	979.7	1026.0	1079.0	1096.0
46.5	964.6	968.4	1015.0	1069.0	1087.0
47.0	952.7	956.8	1005.0	1059.0	1078.0
47.5	941.2	945.6	994.4	1049.0	1068.0
48.0	929.7	934.1	983.6	1040.0	1058.0
48.5	917.7	922.3	972.9	1030.0	1049.0
49.0	905.8	910.7	961.8	1020.0	1039.0
49.5	893.8	899.2	951.1	1010.0	1030.0
50.0	881.8	887.6	940.3	999.8	1020.0
50.5	869.5	875.7	929.2	989.7	1010.0
51.0	857.4	864.1	918.1	979.5	1000.0
51.5	845.2	852.3	907.1	969.5	989.8
52.0	833.0	840.3	896.0	958.9	979.9
52.5	821.0	828.3	884.9	948.7	969.7
53.0	808.5	816.5	873.7	938.0	959.3
53.5	796.0	804.5	862.7	927.7	949.0
54.0	783.8	792.6	851.8	917.2	938.7
54.5	771.5	780.7	840.8	906.5	928.4

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CANDELA TABULATION - (Cont.)

55.0	759.3	768.8	829.7	895.9	918.2
55.5	747.1	757.0	818.7	885.5	907.5
56.0	734.8	745.4	807.8	874.5	897.1
56.5	722.7	733.5	796.8	864.1	886.9
57.0	710.4	721.8	785.8	853.8	876.8
57.5	698.4	710.2	774.8	843.1	866.8
58.0	686.2	698.6	763.6	832.6	856.8
58.5	674.2	686.9	752.6	822.3	846.5
59.0	662.1	675.3	741.7	811.6	836.2
59.5	650.0	663.8	730.8	801.2	826.0
60.0	637.9	652.4	720.1	790.8	815.9
60.5	626.0	640.9	709.1	780.3	806.0
61.0	614.0	629.6	698.5	769.9	795.7
61.5	601.9	618.2	688.1	759.5	784.9
62.0	589.8	606.9	677.6	749.3	774.7
62.5	577.6	595.7	667.4	739.1	764.6
63.0	565.4	584.5	657.4	729.4	755.0
63.5	553.2	573.2	647.3	719.8	745.1
64.0	540.9	561.7	637.5	710.3	735.8
64.5	528.5	550.5	627.5	701.3	726.6
65.0	516.1	539.1	617.6	692.0	717.7
65.5	503.7	527.6	607.7	683.1	708.9
66.0	491.1	516.0	597.6	673.9	700.2
66.5	478.6	504.6	587.5	664.6	691.4
67.0	466.1	492.8	577.3	655.2	681.9
67.5	453.3	481.2	566.9	645.2	672.1
68.0	440.3	469.4	556.2	634.8	661.8
68.5	427.7	457.7	545.3	624.1	651.2
69.0	414.9	445.8	534.6	613.2	640.3
69.5	401.9	433.9	523.4	602.2	629.0
70.0	388.9	422.1	512.3	590.9	617.8
70.5	375.8	410.1	501.2	579.8	606.7
71.0	362.7	398.2	490.1	568.9	595.7
71.5	349.6	386.4	479.1	558.1	585.0
72.0	336.6	374.9	468.4	547.8	574.9
72.5	323.7	363.3	457.8	537.5	564.7
73.0	310.7	352.1	447.6	527.6	555.0
73.5	298.0	341.0	437.3	517.8	545.1
74.0	285.4	330.0	427.4	507.9	535.6
74.5	273.0	319.2	417.5	498.4	526.2
75.0	260.6	308.6	407.9	488.9	516.4
75.5	248.5	298.1	398.4	479.4	507.2
76.0	236.5	287.7	389.0	470.2	497.9
76.5	224.6	277.5	379.7	460.8	488.7
77.0	212.8	267.2	370.4	451.7	479.4
77.5	201.2	257.2	361.2	442.5	470.1
78.0	189.6	247.2	352.1	433.2	461.1
78.5	178.1	237.4	343.1	424.3	451.9
79.0	167.1	227.7	334.1	415.3	442.9
79.5	156.2	218.2	325.4	406.5	434.1
80.0	145.2	208.9	316.6	397.6	425.2
80.5	134.6	199.7	308.0	388.9	416.6
81.0	124.2	190.8	299.5	380.5	407.9
81.5	114.2	182.2	291.2	372.2	399.6
82.0	104.3	173.8	283.1	364.2	391.9
82.5	94.6	165.6	275.0	356.1	383.7

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CANDELA TABULATION - (Cont.)

83.0	85.3	157.6	267.2	348.2	375.9
83.5	76.3	149.8	259.4	340.3	368.1
84.0	67.6	142.3	251.8	332.6	360.4
84.5	59.2	135.0	244.2	324.9	353.0
85.0	51.3	127.9	236.9	317.4	345.2
85.5	43.7	121.1	229.6	309.7	337.6
86.0	36.6	114.5	222.5	302.2	330.1
86.5	30.0	108.1	215.4	294.8	322.6
87.0	24.0	101.9	208.5	287.4	315.2
87.5	18.7	95.9	201.8	280.1	307.7
88.0	14.1	90.2	195.1	272.8	300.4
88.5	10.3	84.8	188.6	265.8	293.1
89.0	7.5	79.6	182.3	259.0	286.0
89.5	5.3	74.6	176.1	252.1	279.0
90.0	3.5	69.9	170.0	245.4	272.0
90.5	3.1	65.3	164.1	238.8	265.0
91.0	3.0	61.1	158.3	232.4	258.3
91.5	3.0	57.0	152.7	226.1	251.7
92.0	2.9	53.2	147.3	219.9	245.4
92.5	2.9	49.6	142.0	213.9	239.0
93.0	2.9	46.2	136.8	207.9	232.7
93.5	2.8	43.0	131.9	202.1	226.8
94.0	2.8	39.9	127.0	196.5	220.9
94.5	2.8	37.1	122.3	190.9	215.2
95.0	2.8	34.5	117.6	185.4	209.5
95.5	2.8	32.1	113.2	180.0	203.8
96.0	2.7	29.8	108.8	174.6	198.3
96.5	2.7	27.7	104.5	169.4	192.8
97.0	2.7	25.8	100.3	164.2	187.4
97.5	2.7	24.0	96.3	159.1	182.2
98.0	2.7	22.3	92.4	154.2	176.8
98.5	2.6	20.8	88.7	149.3	171.7
99.0	2.6	19.3	85.1	144.7	166.6
99.5	2.6	18.0	81.5	140.0	161.8
100.0	2.6	16.8	78.2	135.6	156.9
100.5	2.6	15.7	75.0	131.2	152.1
101.0	2.5	14.7	71.8	127.0	147.5
101.5	2.5	13.7	68.8	122.9	143.0
102.0	2.5	12.9	65.9	118.9	138.7
102.5	2.5	12.0	63.1	115.0	134.3
103.0	2.5	11.2	60.4	111.2	130.0
103.5	2.5	10.5	57.8	107.4	125.9
104.0	2.5	9.9	55.2	103.8	121.8
104.5	2.4	9.3	52.8	100.2	117.9
105.0	2.5	8.7	50.5	96.7	114.0
105.5	2.4	8.2	48.3	93.3	110.2
106.0	2.4	7.7	46.1	89.9	106.5
106.5	2.4	7.3	44.0	86.7	102.8
107.0	2.4	6.9	42.0	83.5	99.4
107.5	2.4	6.6	40.0	80.4	96.0
108.0	2.4	6.3	38.2	77.4	92.6
108.5	2.4	6.1	36.4	74.5	89.4
109.0	2.4	5.9	34.7	71.7	86.2
109.5	2.4	5.7	33.1	68.9	83.2
110.0	2.4	5.2	31.5	66.3	80.2
110.5	2.4	4.7	30.1	63.7	77.3

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CANDELA TABULATION - (Cont.)

111.0	2.4	4.0	28.6	61.3	74.6
111.5	2.4	3.2	27.3	58.9	71.8
112.0	2.4	2.6	26.0	56.7	69.2
112.5	2.4	2.4	24.7	54.4	66.7
113.0	2.4	2.3	23.6	52.3	64.2
113.5	2.5	2.3	22.4	50.2	61.8
114.0	2.4	2.3	21.3	48.3	59.5
114.5	2.5	2.3	20.2	46.3	57.2
115.0	2.4	2.3	19.3	44.4	55.0
115.5	2.4	2.3	18.3	42.6	52.8
116.0	2.4	2.3	17.4	40.8	50.7
116.5	2.4	2.3	16.5	39.1	48.7
117.0	2.4	2.3	15.7	37.4	46.7
117.5	2.4	2.3	14.9	35.8	44.8
118.0	2.4	2.3	14.1	34.2	43.0
118.5	2.4	2.4	13.5	32.7	41.2
119.0	2.4	2.4	12.8	31.2	39.5
119.5	2.5	2.3	12.3	29.8	37.8
120.0	2.5	2.4	11.7	28.4	36.2
120.5	2.5	2.3	11.2	27.1	34.5
121.0	2.5	2.4	10.8	25.9	33.1
121.5	2.5	2.4	10.5	24.6	31.6
122.0	2.5	2.4	10.1	23.4	30.1
122.5	2.5	2.4	9.8	22.3	28.7
123.0	2.5	2.4	9.5	21.2	27.4
123.5	2.5	2.4	9.0	20.1	26.1
124.0	2.6	2.4	8.3	19.1	24.9
124.5	2.6	2.4	7.5	18.2	23.6
125.0	2.6	2.5	6.5	17.3	22.5
125.5	2.6	2.5	5.4	16.5	21.4
126.0	2.6	2.5	4.3	15.6	20.3
126.5	2.6	2.5	3.3	14.9	19.3
127.0	2.6	2.5	2.5	14.3	18.3
127.5	2.7	2.5	2.2	13.7	17.4
128.0	2.7	2.6	2.2	13.1	16.6
128.5	2.7	2.6	2.2	12.6	15.8
129.0	2.6	2.6	2.2	12.2	15.1
129.5	2.7	2.6	2.2	11.8	14.4
130.0	2.7	2.6	2.2	11.4	13.8
130.5	2.8	2.6	2.2	10.9	13.3
131.0	2.8	2.7	2.2	10.3	12.9
131.5	2.8	2.7	2.2	9.5	12.4
132.0	2.8	2.7	2.3	8.5	12.0
132.5	2.8	2.7	2.3	7.3	11.5
133.0	2.8	2.7	2.3	6.0	10.9
133.5	2.9	2.8	2.3	4.7	10.2
134.0	2.9	2.8	2.3	3.4	9.2
134.5	2.9	2.8	2.4	2.4	8.1
135.0	3.0	2.8	2.4	2.0	6.8
135.5	3.0	2.8	2.4	1.9	5.4
136.0	3.0	2.9	2.4	1.9	4.0
136.5	3.0	2.9	2.4	1.9	2.8
137.0	3.0	2.9	2.5	1.9	2.0
137.5	3.1	2.9	2.5	1.9	1.6
138.0	3.1	2.9	2.5	1.9	1.7
138.5	3.1	2.9	2.5	2.0	1.7

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VOL48AFAMCT-30-H.IES

CANDELA TABULATION - (Cont.)

139.0	3.1	3.0	2.5	2.0	1.7
139.5	3.1	3.0	2.6	2.0	1.7
140.0	3.2	3.0	2.6	2.0	1.7
140.5	3.2	3.0	2.6	2.0	1.7
141.0	3.2	3.1	2.6	2.0	1.7
141.5	3.2	3.1	2.6	2.0	1.7
142.0	3.3	3.1	2.6	2.1	1.7
142.5	3.3	3.1	2.7	2.1	1.8
143.0	3.3	3.1	2.7	2.1	1.8
143.5	3.3	3.1	2.7	2.1	1.8
144.0	3.3	3.2	2.7	2.1	1.8
144.5	3.3	3.2	2.7	2.1	1.8
145.0	3.4	3.2	2.7	2.2	1.9
145.5	3.3	3.2	2.8	2.2	1.9
146.0	3.4	3.3	2.8	2.2	1.9
146.5	3.4	3.3	2.8	2.2	1.9
147.0	3.4	3.3	2.8	2.2	1.9
147.5	3.5	3.3	2.9	2.3	2.0
148.0	3.5	3.4	2.9	2.3	2.0
148.5	3.5	3.3	2.9	2.3	2.0
149.0	3.5	3.4	2.9	2.3	2.0
149.5	3.6	3.4	3.0	2.4	2.1
150.0	3.6	3.4	3.0	2.4	2.0
150.5	3.6	3.4	3.0	2.4	2.1
151.0	3.6	3.5	3.0	2.4	2.1
151.5	3.6	3.5	3.0	2.5	2.1
152.0	3.7	3.5	3.1	2.5	2.1
152.5	3.7	3.5	3.1	2.5	2.1
153.0	3.7	3.5	3.1	2.5	2.2
153.5	3.7	3.6	3.1	2.5	2.2
154.0	3.7	3.5	3.1	2.6	2.2
154.5	3.7	3.6	3.1	2.6	2.2
155.0	3.8	3.6	3.2	2.6	2.2
155.5	3.7	3.6	3.2	2.6	2.2
156.0	3.8	3.6	3.2	2.6	2.3
156.5	3.8	3.6	3.2	2.6	2.3
157.0	3.9	3.7	3.2	2.6	2.3
157.5	3.8	3.7	3.2	2.7	2.3
158.0	3.8	3.7	3.2	2.7	2.3
158.5	3.8	3.7	3.2	2.7	2.2
159.0	3.9	3.7	3.3	2.7	2.3
159.5	3.9	3.7	3.2	2.7	2.3
160.0	3.9	3.7	3.3	2.7	2.3
160.5	3.9	3.7	3.3	2.7	2.3
161.0	3.9	3.7	3.3	2.7	2.3
161.5	3.9	3.8	3.3	2.7	2.3
162.0	3.9	3.8	3.3	2.7	2.3
162.5	3.9	3.8	3.3	2.7	2.4
163.0	3.9	3.8	3.3	2.7	2.3
163.5	3.9	3.8	3.3	2.7	2.4
164.0	4.0	3.8	3.4	2.7	2.4
164.5	4.0	3.8	3.4	2.7	2.4
165.0	4.0	3.8	3.4	2.8	2.4
165.5	4.0	3.8	3.4	2.8	2.4
166.0	4.0	3.9	3.4	2.8	2.4
166.5	4.0	3.9	3.4	2.8	2.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VOL48AFAMCT-30-H.IES

CANDELA TABULATION - (Cont.)

167.0	4.1	3.9	3.4	2.8	2.5
167.5	4.1	3.9	3.4	2.8	2.4
168.0	4.1	3.9	3.5	2.8	2.5
168.5	4.1	3.9	3.5	2.9	2.5
169.0	4.1	4.0	3.5	2.9	2.5
169.5	4.2	4.0	3.5	2.9	2.5
170.0	4.2	4.0	3.5	2.9	2.5
170.5	4.2	4.0	3.5	2.9	2.5
171.0	4.2	4.0	3.5	2.9	2.6
171.5	4.2	4.0	3.5	2.9	2.6
172.0	4.2	4.0	3.5	2.9	2.6
172.5	4.2	4.0	3.5	3.0	2.6
173.0	4.2	4.0	3.6	2.9	2.5
173.5	4.2	4.0	3.6	2.9	2.6
174.0	4.2	4.1	3.6	2.9	2.6
174.5	4.2	4.1	3.6	3.0	2.6
175.0	4.2	4.1	3.6	2.9	2.6
175.5	4.3	4.1	3.6	2.9	2.6
176.0	4.3	4.1	3.6	2.9	2.6
176.5	4.2	4.1	3.6	2.9	2.6
177.0	4.2	4.1	3.6	2.9	2.6
177.5	4.2	4.1	3.6	3.0	2.6
178.0	4.2	4.1	3.6	3.0	2.6
178.5	4.3	4.1	3.6	2.9	2.6
179.0	4.3	4.1	3.6	3.0	2.6
179.5	4.3	4.1	3.6	3.0	2.6
180.0	3.5	3.5	3.5	3.5	3.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VOL48AFAMCT-30-H.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	569.66	N.A.	11.30
0-30	1213.32	N.A.	24.00
0-40	1992.36	N.A.	39.50
0-60	3548.95	N.A.	70.30
0-80	4581.79	N.A.	90.80
0-90	4824.81	N.A.	95.60
10-90	4677.88	N.A.	92.70
20-40	1422.71	N.A.	28.20
20-50	2233.6	N.A.	44.30
40-70	2166.58	N.A.	42.90
60-80	1032.84	N.A.	20.50
70-80	422.84	N.A.	8.40
80-90	243.02	N.A.	4.80
90-110	181.13	N.A.	3.60
90-120	205.40	N.A.	4.10
90-130	214.45	N.A.	4.20
90-150	219.00	N.A.	4.30
90-180	221.68	N.A.	4.40
110-180	40.56	N.A.	0.80
0-180	5046.49	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.93
10-20	422.73
20-30	643.67
30-40	779.04
40-50	810.89
50-60	745.70
60-70	609.99
70-80	422.84
80-90	243.02
90-100	123.17
100-110	57.96
110-120	24.28
120-130	9.05
130-140	2.87
140-150	1.68
150-160	1.42
160-170	0.93
170-180	0.33

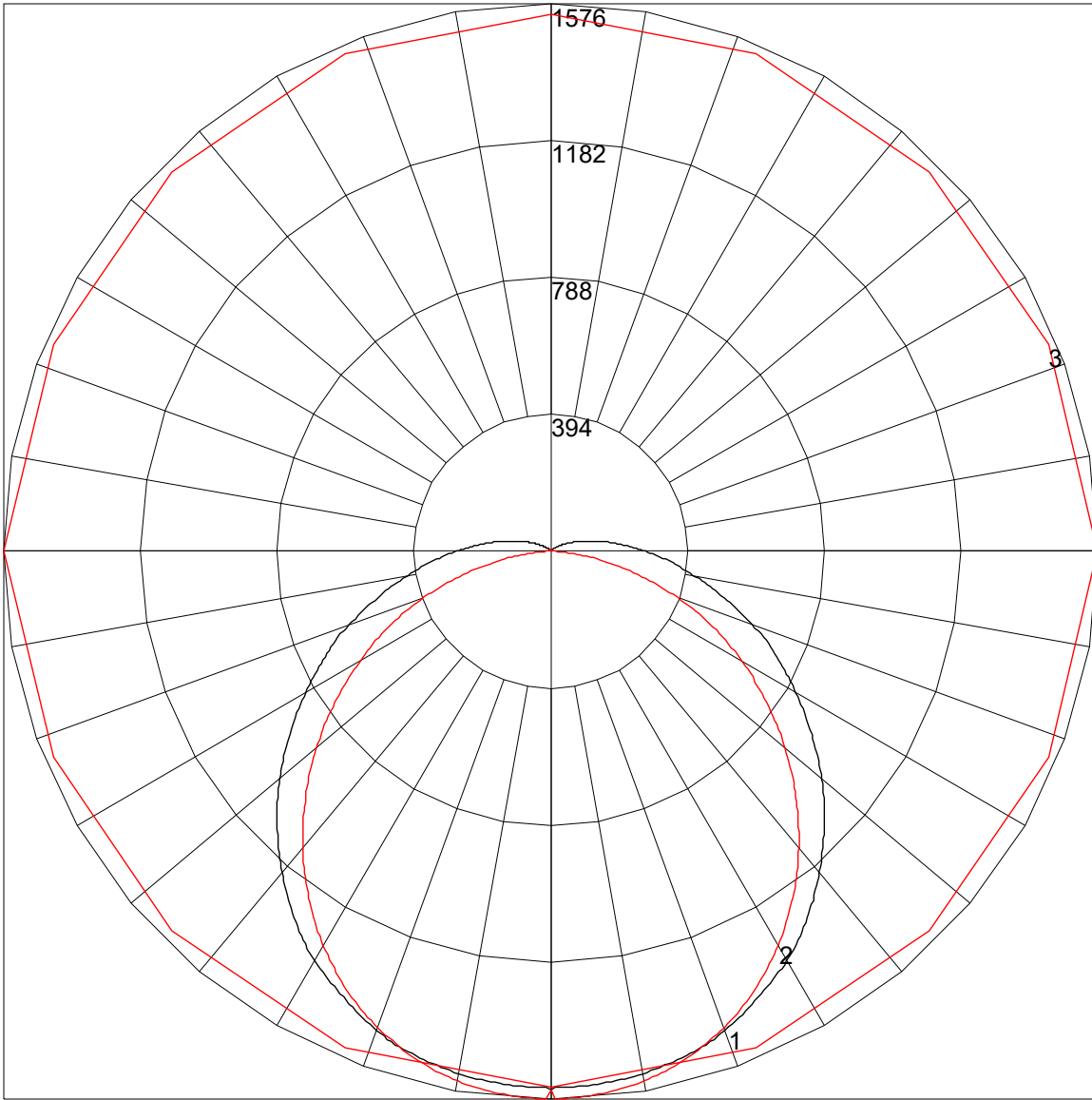
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VOL48AFAMCT-30-H.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	92		103	98	94	90	93	89	86	88	85	83	84	82	79	77
2	96	87	80	74		93	85	78	72	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61		84	74	66	60	71	64	58	67	61	57	64	59	55	53
4	80	67	58	51		77	66	57	50	63	55	49	60	53	48	57	51	47	45
5	73	60	51	44		71	59	50	43	56	48	42	53	47	42	51	45	41	38
6	68	54	45	38		65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34		61	48	39	33	46	38	33	44	37	32	42	36	32	29
8	58	44	36	30		56	44	35	30	42	34	29	40	34	29	39	33	28	26
9	54	41	32	27		53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24		49	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1576 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)