

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-URDL-835-U10-WA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 13551818.10
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 11/4/2020
 [MANUFAC] Lux Dynamics
 [LUMCAT] 360P-4-URDL-835-xxx-xx-WA (modified from 2' IES file)
 [LUMINAIRE] Gray cylindrical metal housing with diffuse plastic lens
 [LAMP] White 2448 LEDs
 [BALLAST] Two (2) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB
 [OTHER] 25.1 C, 277.018 V, 0.189785 A, 49.7235 W, 0.945781 PF, 59.974
 [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	14450
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	99.446
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.38 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9113	7581	8296
55	8060	7140	8483
65	6847	7087	9012
75	4962	7441	9854
85	1988	8395	11116

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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	1597.60	1597.60	1597.60	1597.60	1597.60
0.5	1594.00	1596.80	1598.40	1599.80	1600.40
1.0	1592.80	1596.00	1598.60	1599.60	1600.20
1.5	1591.00	1596.20	1598.20	1599.00	1600.60
2.0	1593.00	1596.00	1598.60	1600.80	1603.00
2.5	1591.60	1595.20	1598.40	1601.20	1602.60
3.0	1590.20	1595.40	1598.80	1602.20	1604.20
3.5	1591.20	1593.20	1600.00	1601.60	1605.20
4.0	1588.80	1592.80	1599.60	1604.20	1608.40
4.5	1587.20	1591.60	1599.60	1604.80	1607.40
5.0	1582.00	1591.00	1598.00	1605.60	1607.20
5.5	1583.20	1590.00	1597.60	1605.80	1611.40
6.0	1579.60	1588.20	1597.60	1608.40	1613.20
6.5	1578.20	1585.80	1599.60	1609.00	1612.80
7.0	1576.60	1584.20	1599.60	1610.00	1616.40
7.5	1572.80	1583.00	1600.20	1610.00	1615.20
8.0	1571.20	1581.60	1596.20	1610.60	1615.80
8.5	1566.80	1578.80	1597.00	1612.00	1616.60
9.0	1561.80	1576.60	1596.40	1613.00	1620.40
9.5	1559.00	1574.20	1595.80	1613.40	1620.20
10.0	1557.20	1574.40	1596.80	1613.80	1619.40
10.5	1554.80	1569.80	1593.00	1612.80	1619.80
11.0	1550.40	1566.60	1592.80	1613.40	1619.80
11.5	1547.60	1563.40	1591.00	1612.80	1620.40
12.0	1541.00	1561.60	1590.60	1611.40	1619.20
12.5	1538.00	1557.20	1588.00	1610.60	1619.80
13.0	1532.20	1553.80	1587.60	1611.00	1620.40
13.5	1528.20	1550.20	1585.40	1608.80	1619.20
14.0	1522.20	1545.80	1582.60	1609.20	1620.80
14.5	1519.00	1542.40	1579.60	1607.80	1617.40
15.0	1513.20	1538.00	1577.40	1608.40	1617.60
15.5	1507.40	1535.00	1574.60	1607.60	1616.60
16.0	1501.20	1529.40	1571.20	1605.40	1618.20
16.5	1495.20	1525.80	1568.20	1604.60	1616.80
17.0	1488.60	1520.80	1566.20	1602.20	1615.40
17.5	1482.00	1515.00	1563.00	1599.40	1612.80
18.0	1476.00	1510.40	1560.20	1597.60	1612.60
18.5	1469.60	1504.80	1555.60	1595.80	1612.40
19.0	1463.00	1499.00	1552.40	1595.80	1611.40
19.5	1456.00	1494.40	1547.60	1592.20	1609.00
20.0	1449.00	1488.00	1544.20	1589.80	1609.00
20.5	1441.80	1482.60	1540.60	1588.40	1608.80
21.0	1434.80	1476.00	1535.80	1587.00	1608.40
21.5	1427.20	1470.20	1531.60	1583.40	1606.00
22.0	1421.00	1464.00	1528.20	1583.00	1607.20
22.5	1413.40	1457.80	1522.40	1581.00	1604.80
23.0	1405.80	1451.20	1518.20	1579.60	1603.00
23.5	1397.20	1444.20	1514.40	1577.60	1600.20
24.0	1389.00	1436.40	1507.80	1573.80	1599.40
24.5	1380.80	1429.40	1504.00	1571.40	1599.80
25.0	1372.00	1422.20	1499.40	1569.40	1599.60
25.5	1362.80	1414.80	1494.80	1567.00	1596.40
26.0	1353.60	1407.20	1490.60	1565.80	1595.40
26.5	1344.40	1399.80	1484.40	1562.60	1594.40

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27.0	1335.40	1392.20	1480.40	1561.60	1594.20
27.5	1325.80	1384.00	1474.40	1559.00	1595.40
28.0	1316.20	1376.00	1469.60	1556.40	1593.20
28.5	1306.60	1367.60	1464.60	1555.40	1593.80
29.0	1296.60	1359.60	1458.60	1553.00	1593.60
29.5	1287.00	1351.00	1453.40	1552.00	1592.60
30.0	1276.80	1343.00	1448.00	1548.80	1593.00
30.5	1267.00	1334.40	1441.80	1546.60	1591.40
31.0	1257.60	1325.40	1436.60	1546.60	1591.40
31.5	1247.40	1317.00	1430.60	1543.00	1589.40
32.0	1238.00	1308.00	1425.00	1541.20	1590.20
32.5	1227.60	1299.40	1418.80	1539.40	1587.40
33.0	1217.60	1290.40	1413.80	1536.60	1587.40
33.5	1207.60	1281.40	1407.60	1534.80	1585.00
34.0	1198.00	1272.60	1402.00	1532.40	1583.20
34.5	1187.80	1263.20	1396.40	1530.20	1585.40
35.0	1177.00	1253.80	1390.80	1528.20	1584.80
35.5	1166.40	1244.60	1385.00	1524.80	1582.40
36.0	1155.60	1235.00	1378.80	1522.20	1582.80
36.5	1144.60	1225.20	1373.60	1522.20	1578.80
37.0	1133.60	1215.40	1367.60	1519.80	1578.40
37.5	1122.40	1206.00	1362.00	1516.60	1577.60
38.0	1111.60	1196.20	1356.40	1514.20	1575.60
38.5	1100.20	1186.00	1351.00	1511.80	1576.00
39.0	1088.80	1176.20	1345.00	1509.80	1576.80
39.5	1077.00	1166.20	1339.20	1507.60	1573.60
40.0	1065.00	1156.40	1333.20	1504.80	1572.20
40.5	1053.00	1146.20	1327.20	1503.00	1571.60
41.0	1041.80	1136.20	1321.20	1500.60	1570.00
41.5	1029.80	1126.20	1315.40	1498.20	1571.60
42.0	1017.80	1116.20	1309.60	1496.20	1571.80
42.5	1006.00	1106.60	1303.60	1492.80	1569.40
43.0	993.60	1096.60	1297.20	1490.00	1570.40
43.5	981.40	1086.40	1291.20	1488.60	1569.60
44.0	969.80	1076.20	1285.20	1486.00	1567.60
44.5	957.80	1066.20	1279.40	1483.60	1569.20
45.0	945.80	1056.20	1273.00	1482.00	1568.60
45.5	933.20	1046.00	1266.80	1480.00	1571.20
46.0	921.20	1035.80	1260.40	1478.80	1566.80
46.5	909.00	1025.60	1254.40	1477.20	1568.80
47.0	896.80	1015.20	1248.20	1475.80	1568.80
47.5	884.60	1004.60	1242.00	1473.80	1567.60
48.0	872.80	994.40	1235.80	1472.20	1568.00
48.5	860.40	984.00	1229.80	1470.60	1569.40
49.0	848.20	973.60	1223.20	1468.60	1569.00
49.5	836.20	963.40	1216.60	1467.20	1569.40
50.0	824.00	953.00	1210.40	1465.00	1571.00
50.5	812.00	943.00	1204.00	1463.20	1571.00
51.0	800.60	932.80	1198.00	1462.20	1570.80
51.5	788.60	922.40	1192.40	1460.60	1571.20
52.0	776.40	912.80	1186.20	1460.60	1576.40
52.5	764.40	902.40	1180.60	1459.40	1575.80
53.0	752.00	892.20	1175.00	1458.80	1576.40
53.5	740.00	882.20	1170.00	1458.00	1577.20
54.0	727.80	872.40	1165.00	1457.80	1578.00
54.5	716.40	862.60	1159.60	1457.60	1579.60

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55.0	704.40	853.00	1154.60	1457.20	1579.60
55.5	692.80	843.20	1149.20	1457.00	1581.60
56.0	680.60	833.60	1144.20	1457.00	1582.20
56.5	668.40	823.60	1139.00	1456.60	1584.60
57.0	656.60	813.80	1134.20	1456.00	1584.80
57.5	644.80	804.20	1129.20	1455.60	1586.40
58.0	633.00	794.60	1124.60	1455.20	1587.40
58.5	621.00	784.80	1119.80	1454.60	1587.80
59.0	609.20	775.20	1115.20	1453.80	1589.00
59.5	597.00	765.00	1110.80	1453.20	1590.00
60.0	585.40	755.20	1106.60	1452.40	1590.40
60.5	573.40	745.40	1102.20	1452.00	1591.80
61.0	562.20	735.80	1098.20	1451.40	1593.80
61.5	550.20	726.20	1094.20	1450.80	1594.40
62.0	538.60	716.60	1090.60	1450.60	1594.00
62.5	526.20	707.00	1086.60	1449.80	1594.60
63.0	514.60	697.60	1082.60	1449.20	1594.20
63.5	502.40	688.00	1078.60	1448.60	1593.20
64.0	491.40	678.60	1074.80	1447.60	1598.60
64.5	479.80	669.40	1070.80	1447.20	1598.80
65.0	468.00	659.80	1067.00	1446.60	1601.20
65.5	456.20	650.40	1063.00	1446.20	1602.80
66.0	444.20	640.80	1059.00	1445.60	1602.40
66.5	432.20	631.80	1055.20	1445.20	1602.60
67.0	420.40	622.60	1051.40	1444.80	1604.40
67.5	408.60	614.40	1047.80	1444.80	1603.40
68.0	397.00	606.20	1044.20	1444.80	1604.60
68.5	385.40	597.80	1040.80	1444.60	1607.20
69.0	373.40	590.00	1037.60	1444.60	1607.00
69.5	361.60	581.80	1034.00	1444.20	1608.20
70.0	349.80	573.60	1030.80	1444.20	1608.60
70.5	337.60	566.00	1027.60	1443.60	1608.00
71.0	326.20	558.40	1024.40	1444.00	1610.40
71.5	314.20	551.40	1021.40	1443.60	1610.40
72.0	302.40	543.80	1018.60	1443.20	1611.00
72.5	290.80	536.80	1016.00	1443.00	1613.20
73.0	278.80	530.00	1013.40	1442.60	1614.00
73.5	267.40	523.60	1010.80	1442.80	1612.80
74.0	256.20	517.40	1008.20	1442.60	1612.60
74.5	245.40	511.20	1005.80	1442.00	1615.00
75.0	234.40	505.20	1003.40	1441.80	1613.60
75.5	223.40	499.40	1000.60	1441.60	1616.20
76.0	212.40	493.40	998.80	1441.60	1617.40
76.5	201.60	487.80	996.20	1441.20	1617.00
77.0	190.90	482.40	994.00	1441.20	1617.60
77.5	180.38	477.00	992.00	1441.20	1617.80
78.0	170.28	471.80	990.00	1440.80	1617.80
78.5	160.00	466.80	988.00	1440.20	1618.00
79.0	150.08	461.80	986.20	1439.60	1618.40
79.5	140.20	457.40	984.40	1439.00	1617.80
80.0	130.66	453.20	982.80	1438.60	1618.20
80.5	121.08	448.80	981.00	1437.80	1617.80
81.0	111.92	445.00	978.80	1437.60	1618.80
81.5	103.10	441.00	977.00	1436.80	1619.40
82.0	94.44	437.40	975.20	1435.80	1618.80
82.5	85.96	434.00	973.60	1435.00	1615.80

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83.0	78.00	431.00	972.00	1433.80	1616.00
83.5	70.20	428.20	970.60	1432.80	1615.60
84.0	62.66	425.40	969.00	1431.60	1613.00
84.5	55.72	423.00	967.20	1430.00	1614.00
85.0	49.06	420.40	965.80	1428.20	1610.00
85.5	42.78	418.20	964.00	1426.40	1610.60
86.0	36.96	416.40	962.00	1425.20	1608.20
86.5	31.66	415.00	960.00	1423.80	1608.60
87.0	26.90	413.00	958.20	1422.40	1607.00
87.5	22.88	411.40	956.60	1421.40	1606.20
88.0	19.62	410.20	955.20	1420.40	1605.40
88.5	17.12	408.80	953.80	1419.60	1605.80
89.0	15.38	407.80	953.00	1419.20	1604.60
89.5	14.46	407.20	952.80	1418.80	1602.60
90.0	14.26	406.80	952.40	1418.60	1602.40
90.5	13.56	409.00	953.00	1418.00	1602.60
91.0	14.50	409.60	953.60	1419.00	1602.80
91.5	16.00	410.40	954.40	1419.40	1603.40
92.0	17.96	411.60	955.40	1419.60	1603.40
92.5	20.62	413.20	956.20	1421.40	1605.20
93.0	23.92	415.00	958.00	1422.00	1606.40
93.5	27.64	416.40	959.00	1422.60	1607.00
94.0	32.06	418.60	961.20	1423.80	1607.00
94.5	37.44	421.00	963.00	1425.40	1608.40
95.0	43.32	423.20	964.80	1427.00	1609.60
95.5	49.56	426.00	966.60	1428.20	1611.00
96.0	56.30	428.40	968.40	1429.80	1612.00
96.5	63.30	431.60	970.40	1430.60	1612.80
97.0	70.62	434.80	972.20	1432.00	1613.80
97.5	78.30	438.20	974.00	1432.60	1614.60
98.0	86.20	441.60	975.60	1433.60	1615.20
98.5	94.40	445.40	977.80	1435.60	1615.60
99.0	102.80	449.60	979.60	1437.00	1615.80
99.5	111.52	454.20	981.80	1438.00	1617.20
100.0	120.56	458.60	984.00	1437.60	1617.20
100.5	129.82	463.20	986.20	1438.20	1617.20
101.0	139.28	468.00	988.40	1439.20	1618.00
101.5	149.06	473.00	990.80	1440.40	1618.00
102.0	159.02	478.00	992.80	1442.20	1618.60
102.5	169.14	483.20	995.60	1441.60	1618.40
103.0	179.50	488.20	998.00	1444.40	1618.60
103.5	189.90	493.60	1000.60	1443.40	1618.80
104.0	200.40	499.20	1003.20	1444.40	1618.00
104.5	211.20	504.40	1006.00	1442.80	1618.20
105.0	222.00	509.80	1008.40	1444.00	1617.40
105.5	233.00	515.00	1011.60	1445.20	1617.00
106.0	243.00	520.60	1014.00	1447.60	1616.60
106.5	253.80	526.00	1017.20	1446.20	1616.40
107.0	265.00	531.40	1019.80	1448.40	1616.20
107.5	276.00	537.00	1022.60	1448.20	1615.80
108.0	287.40	543.00	1025.20	1448.40	1615.20
108.5	299.00	548.80	1028.20	1449.00	1615.00
109.0	310.20	554.80	1031.40	1449.20	1614.40
109.5	321.40	561.40	1034.20	1447.60	1613.60
110.0	332.60	568.00	1037.60	1448.80	1612.60
110.5	344.40	574.80	1040.40	1449.40	1612.00

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CANDELA TABULATION - (Cont.)

111.0	355.60	582.00	1043.80	1450.60	1611.40
111.5	367.20	589.00	1046.80	1449.80	1610.40
112.0	379.60	596.40	1050.20	1449.80	1609.60
112.5	391.40	604.00	1053.60	1450.40	1609.20
113.0	403.00	612.20	1057.20	1450.80	1608.40
113.5	414.80	620.80	1060.80	1451.00	1607.20
114.0	426.80	629.60	1064.80	1452.80	1606.40
114.5	438.60	638.00	1068.40	1453.40	1605.40
115.0	450.80	647.60	1072.00	1453.80	1605.20
115.5	463.00	656.60	1075.60	1453.80	1605.20
116.0	475.00	665.40	1079.60	1454.20	1603.80
116.5	487.00	675.20	1083.60	1455.00	1603.40
117.0	498.80	684.40	1087.40	1456.00	1602.80
117.5	511.60	694.20	1090.80	1457.60	1602.40
118.0	523.40	703.40	1094.60	1459.00	1600.80
118.5	535.60	713.20	1098.20	1458.20	1600.40
119.0	548.00	723.00	1101.80	1459.00	1600.60
119.5	560.40	732.40	1105.80	1461.20	1599.80
120.0	572.80	742.20	1109.20	1460.80	1599.40
120.5	584.60	751.80	1113.00	1462.80	1599.40
121.0	596.80	761.40	1116.00	1463.00	1598.20
121.5	608.60	771.00	1119.60	1462.80	1597.80
122.0	621.20	780.80	1123.20	1463.40	1596.40
122.5	633.00	790.80	1126.80	1462.20	1596.40
123.0	645.00	800.40	1131.40	1465.00	1595.00
123.5	657.20	810.40	1135.60	1465.60	1594.60
124.0	669.00	820.20	1140.20	1465.80	1594.00
124.5	681.00	830.00	1144.60	1465.20	1593.00
125.0	692.80	840.00	1149.00	1466.20	1592.20
125.5	704.80	850.00	1153.60	1465.60	1590.20
126.0	717.00	859.80	1158.60	1466.00	1588.80
126.5	728.60	870.00	1163.20	1466.80	1587.40
127.0	740.00	879.80	1168.00	1464.20	1586.00
127.5	751.80	889.80	1172.80	1465.80	1584.20
128.0	763.80	900.20	1178.20	1463.40	1583.60
128.5	775.80	910.20	1183.80	1464.20	1581.20
129.0	787.40	920.40	1189.40	1464.40	1578.20
129.5	799.40	930.60	1195.40	1463.20	1577.20
130.0	811.40	940.60	1201.20	1463.80	1575.80
130.5	823.20	951.00	1207.20	1464.40	1573.80
131.0	835.60	961.20	1213.40	1465.20	1571.60
131.5	847.40	971.40	1219.00	1465.00	1570.00
132.0	858.80	981.60	1224.80	1466.80	1569.00
132.5	871.20	991.60	1231.40	1467.80	1567.00
133.0	883.00	1002.00	1237.00	1468.00	1567.40
133.5	895.60	1012.00	1243.20	1468.80	1566.40
134.0	907.40	1022.40	1249.20	1470.40	1565.80
134.5	919.60	1032.80	1255.60	1472.00	1564.80
135.0	931.40	1042.60	1261.60	1472.40	1563.60
135.5	943.60	1053.00	1267.80	1475.00	1563.60
136.0	955.40	1063.40	1274.20	1478.00	1564.00
136.5	967.00	1073.40	1280.20	1480.20	1563.60
137.0	979.40	1083.60	1286.40	1482.60	1561.60
137.5	991.40	1093.80	1292.00	1485.20	1562.80
138.0	1002.60	1103.80	1298.20	1488.00	1565.00
138.5	1014.80	1114.00	1304.20	1490.00	1565.20

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	1026.00	1124.40	1310.20	1492.60	1567.20
139.5	1037.60	1134.20	1316.60	1496.00	1568.60
140.0	1049.00	1144.40	1322.80	1499.00	1569.40
140.5	1060.40	1154.80	1328.80	1501.20	1569.80
141.0	1071.60	1164.80	1335.00	1502.60	1571.20
141.5	1083.00	1174.60	1341.00	1505.00	1572.80
142.0	1094.60	1184.60	1347.00	1508.80	1573.60
142.5	1105.80	1194.60	1353.40	1512.00	1574.80
143.0	1116.60	1204.00	1358.80	1514.80	1575.60
143.5	1127.80	1213.80	1364.80	1516.60	1577.20
144.0	1138.80	1224.00	1371.40	1520.80	1577.40
144.5	1150.00	1233.60	1377.60	1521.40	1579.00
145.0	1161.20	1243.20	1383.80	1522.20	1580.60
145.5	1172.00	1253.00	1389.80	1524.80	1581.20
146.0	1182.40	1262.40	1395.80	1527.60	1582.40
146.5	1193.00	1271.80	1401.20	1530.00	1583.20
147.0	1204.00	1281.00	1408.40	1532.00	1584.20
147.5	1214.20	1289.80	1414.00	1534.60	1585.20
148.0	1224.60	1298.60	1419.40	1535.80	1585.80
148.5	1235.40	1307.40	1425.20	1538.20	1586.20
149.0	1245.20	1316.20	1430.80	1540.80	1586.80
149.5	1254.60	1325.40	1436.60	1542.60	1587.60
150.0	1264.80	1333.80	1441.20	1545.40	1588.20
150.5	1274.80	1342.40	1447.60	1547.60	1589.00
151.0	1284.80	1350.40	1453.80	1550.00	1590.60
151.5	1294.20	1358.80	1459.00	1551.20	1590.40
152.0	1303.40	1366.80	1463.00	1554.20	1591.00
152.5	1313.00	1375.00	1469.20	1556.60	1591.80
153.0	1322.60	1382.60	1474.20	1558.40	1593.20
153.5	1331.60	1390.40	1479.00	1561.20	1595.20
154.0	1341.00	1398.40	1482.60	1563.40	1595.20
154.5	1350.00	1406.00	1488.60	1566.00	1596.20
155.0	1358.40	1412.80	1490.00	1567.60	1596.80
155.5	1367.40	1420.80	1496.20	1569.60	1598.60
156.0	1375.80	1429.00	1502.00	1572.60	1600.00
156.5	1384.80	1434.40	1507.00	1574.80	1601.20
157.0	1393.00	1440.80	1513.60	1576.40	1602.80
157.5	1400.80	1449.40	1517.00	1578.20	1603.60
158.0	1409.20	1456.40	1521.00	1580.00	1604.40
158.5	1416.80	1461.80	1524.80	1582.00	1605.60
159.0	1424.20	1467.60	1528.20	1584.00	1606.20
159.5	1432.40	1473.40	1534.00	1585.60	1606.80
160.0	1440.20	1479.80	1537.80	1587.80	1607.60
160.5	1445.60	1486.40	1541.20	1589.20	1608.20
161.0	1454.20	1493.00	1545.80	1590.60	1608.80
161.5	1462.80	1497.20	1548.60	1592.60	1609.40
162.0	1468.00	1502.20	1553.00	1594.60	1610.00
162.5	1473.40	1508.00	1555.60	1595.80	1611.20
163.0	1482.00	1513.00	1559.20	1597.40	1611.80
163.5	1485.40	1517.80	1561.60	1599.20	1612.60
164.0	1490.80	1523.00	1565.20	1599.80	1612.20
164.5	1497.80	1527.60	1568.00	1601.60	1613.20
165.0	1504.80	1532.00	1570.60	1602.80	1614.00
165.5	1512.80	1536.40	1572.80	1604.20	1613.80
166.0	1515.80	1540.40	1575.40	1604.60	1614.60
166.5	1522.00	1544.60	1578.00	1604.80	1615.20

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CANDELA TABULATION - (Cont.)

167.0	1527.20	1548.40	1580.20	1605.80	1615.40
167.5	1529.80	1552.20	1582.20	1606.60	1615.80
168.0	1537.40	1556.60	1584.00	1607.80	1615.60
168.5	1541.00	1560.60	1586.80	1607.80	1615.40
169.0	1546.20	1563.80	1588.40	1608.60	1615.60
169.5	1551.20	1566.60	1589.80	1608.40	1615.60
170.0	1555.40	1570.20	1591.60	1608.40	1615.80
170.5	1557.80	1572.80	1593.20	1608.80	1614.80
171.0	1561.80	1576.20	1594.60	1608.80	1615.40
171.5	1565.40	1578.60	1595.60	1608.80	1614.80
172.0	1569.60	1581.40	1596.40	1609.20	1614.20
172.5	1572.80	1584.20	1597.20	1609.00	1614.00
173.0	1575.40	1586.00	1598.40	1608.60	1614.00
173.5	1578.60	1588.60	1599.20	1608.20	1613.40
174.0	1582.20	1590.40	1599.60	1607.20	1612.20
174.5	1583.80	1592.20	1600.40	1606.60	1611.20
175.0	1586.20	1593.60	1600.60	1606.40	1610.40
175.5	1587.80	1595.60	1600.60	1605.40	1608.80
176.0	1590.40	1596.40	1601.00	1604.60	1608.20
176.5	1591.20	1597.60	1600.80	1603.80	1607.00
177.0	1593.00	1598.40	1601.00	1602.60	1606.40
177.5	1594.00	1599.20	1601.00	1602.40	1604.60
178.0	1595.00	1600.00	1600.80	1601.60	1603.40
178.5	1596.20	1600.40	1601.00	1600.60	1603.00
179.0	1596.40	1600.60	1601.00	1600.00	1602.20
179.5	1596.20	1601.20	1601.20	1600.40	1601.80
180.0	1600.60	1600.60	1600.60	1600.60	1600.60

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	596.52	N.A.	4.10
0-30	1286.26	N.A.	8.90
0-40	2156.32	N.A.	14.90
0-60	4169.18	N.A.	28.90
0-80	6238.9	N.A.	43.20
0-90	7234.86	N.A.	50.10
10-90	7082.48	N.A.	49.00
20-40	1559.8	N.A.	10.80
20-50	2539.84	N.A.	17.60
40-70	3056.88	N.A.	21.20
60-80	2069.72	N.A.	14.30
70-80	1025.71	N.A.	7.10
80-90	995.96	N.A.	6.90
90-110	2022.6	N.A.	14.00
90-120	3065.4	N.A.	21.20
90-130	4095.55	N.A.	28.30
90-150	5933.01	N.A.	41.10
90-180	7214.77	N.A.	49.90
110-180	5192.17	N.A.	35.90
0-180	14449.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.38
10-20	444.14
20-30	689.74
30-40	870.06
40-50	980.04
50-60	1032.82
60-70	1044.02
70-80	1025.71
80-90	995.96
90-100	995.51
100-110	1027.09
110-120	1042.8
120-130	1030.15
130-140	972.49
140-150	864.96
150-160	686.87
160-170	442.54
170-180	152.36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-URDL-835-U10-WA.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	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	95	89	84	79	87	82	77	73	68	65	62	56	53	51	45	43	41	36
2	85	76	69	62	78	70	63	58	58	53	49	48	44	40	38	35	32	28
3	77	66	57	51	70	61	53	47	50	45	40	41	37	33	32	29	26	22
4	70	58	49	42	64	53	45	39	44	38	33	36	31	28	29	25	22	18
5	64	51	42	36	58	47	39	33	39	33	28	32	27	23	25	22	19	15
6	59	46	37	31	54	42	34	28	35	29	24	29	24	20	23	19	16	13
7	54	41	32	26	50	38	30	25	32	26	21	26	21	18	21	17	14	12
8	50	37	29	23	46	34	27	22	29	23	19	24	19	16	19	15	13	10
9	47	34	26	21	43	31	24	19	26	21	17	22	17	14	18	14	11	9
10	44	31	23	18	40	29	22	17	24	19	15	20	16	12	16	13	10	8

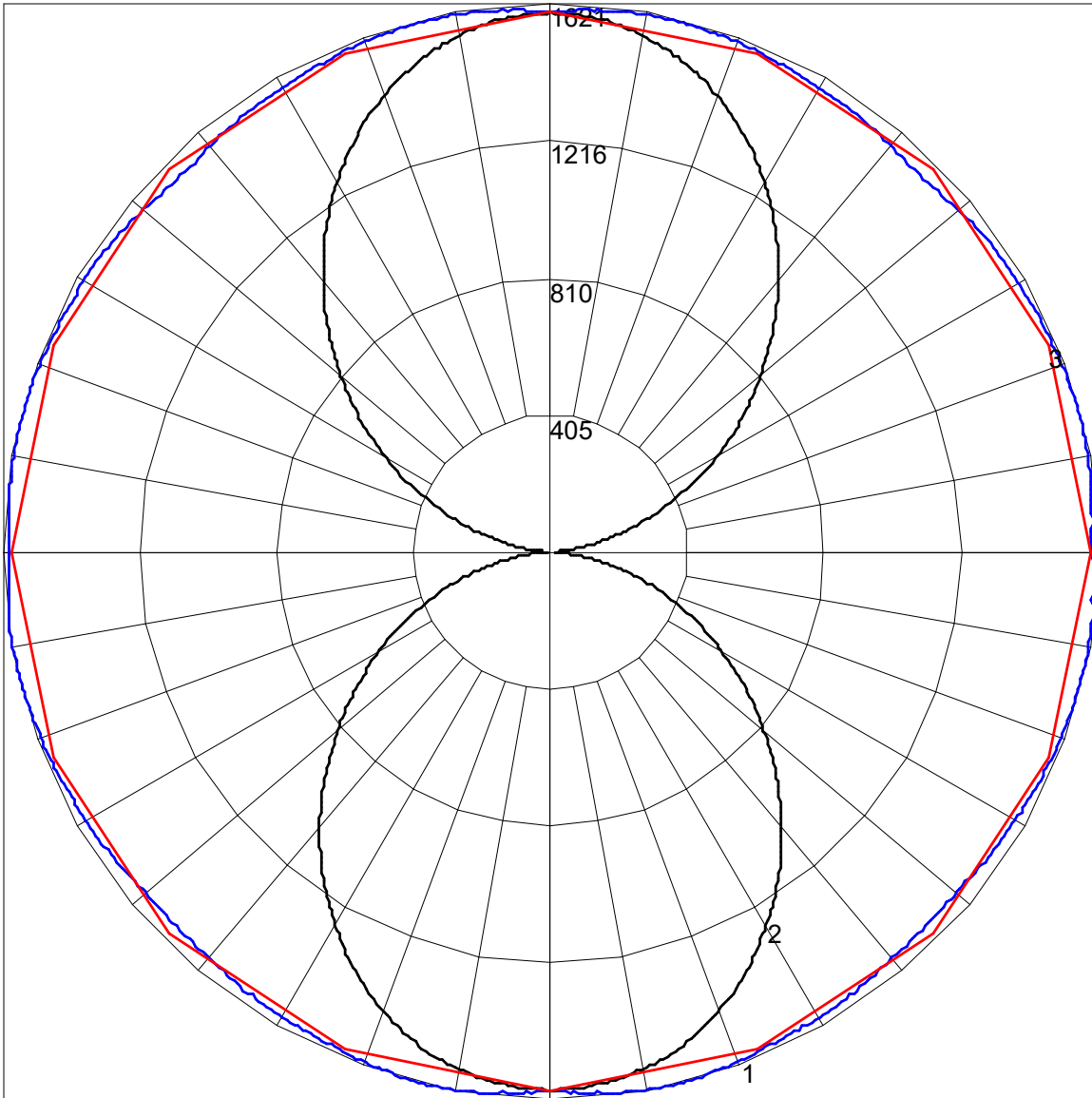
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16K 360P-4-URDL-835-U10-WA.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	11.8	12.8	12.8	13.7	15.0	17.9	18.8	18.8	19.8	21.0
	3H	13.2	14.1	14.1	15.0	16.3	21.4	22.3	22.4	23.3	24.5
	4H	13.6	14.4	14.6	15.4	16.7	23.3	24.1	24.2	25.1	26.4
	6H	13.9	14.6	14.8	15.6	16.9	25.3	26.0	26.2	27.0	28.3
	8H	13.9	14.6	14.9	15.6	16.9	26.3	27.1	27.3	28.1	29.4
	12H	13.9	14.6	14.9	15.6	16.9	27.4	28.1	28.4	29.1	30.5
4H	2H	13.7	14.5	14.7	15.5	16.8	18.1	18.9	19.0	19.9	21.2
	3H	15.4	16.1	16.3	17.1	18.4	21.9	22.6	22.8	23.6	24.9
	4H	15.9	16.6	16.9	17.6	18.9	23.9	24.6	24.9	25.6	26.9
	6H	16.3	16.9	17.3	17.9	19.3	26.1	26.7	27.1	27.7	29.1
	8H	16.4	17.0	17.4	18.0	19.3	27.3	27.8	28.3	28.9	30.2
	12H	16.5	17.0	17.5	18.0	19.4	28.5	29.0	29.5	30.1	31.4
8H	4H	17.8	18.4	18.8	19.4	20.7	24.0	24.6	25.0	25.6	26.9
	6H	18.5	19.0	19.5	20.0	21.4	26.4	26.9	27.4	27.9	29.3
	8H	18.8	19.2	19.8	20.2	21.6	27.7	28.2	28.8	29.2	30.6
	12H	18.9	19.3	20.0	20.3	21.7	29.2	29.5	30.2	30.6	32.0
12H	4H	18.5	19.0	19.5	20.0	21.4	24.0	24.5	25.0	25.5	26.9
	6H	19.4	19.8	20.4	20.9	22.3	26.4	26.9	27.5	27.9	29.3
	8H	19.8	20.2	20.9	21.2	22.6	27.8	28.2	28.8	29.2	30.6

Maximum UGR = 32.0

POLAR GRAPH



Maximum Candela = 1620.8 Located At Horizontal Angle = 90, Vertical Angle = 14
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0)