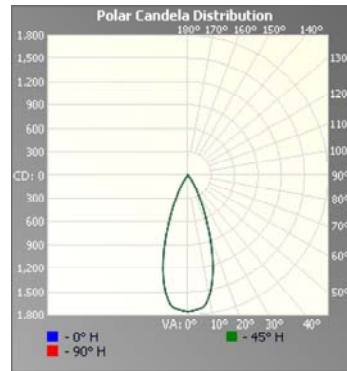


GENERATION BRANDS

Goniophotometer Test Report

Filename: EXO
Manufacturer: TECH LIGHTING
Lamp Output: 1 lamp, rated Lumens/lamp: 1119.8
Max Candela: 1,754.8 at Horizontal: 0°, Vertical: 0°
Input Wattage: 14
Luminous Opening: Point
Test: 700FMEXO1840BG-LED935
Test Date: 22-Sep-2017 14:04:25
Test Lab: GENERATION BRANDS INTERNAL TESTING
Color Constant: 3555K - 95CRI
Photometry : Type C
CIE Class: Direct
Cutoff Class: Full Cutoff
Nema Type: 4 X 4

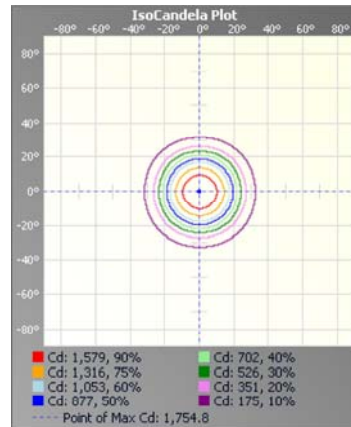
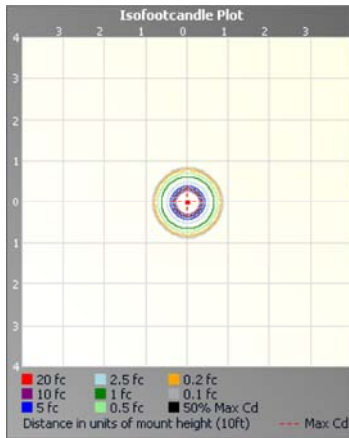


Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	704.2	62.9%	90.6%
0-40	774.8	69.2%	99.6%
0-60	777.6	69.4%	100%
60-90	0	0%	0%
70-100	0	0%	0%
90-120	0	0%	0%
0-90	777.6	69.4%	100%
90-180	0	0%	0%
0-180	777.6	69.4%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	160.6	20.6%	90-100	0	0%
10-20	334.3	43.0%	100-110	0	0%
20-30	209.3	26.9%	110-120	0	0%
30-40	70.6	9.1%	120-130	0	0%
40-50	2.8	0.4%	130-140	0	0%
50-60	0	0.0%	140-150	0	0%
60-70	0	0.0%	150-160	0	0%
70-80	0	0.0%	160-170	0	0%
80-90	0	0.0%	170-180	0	0%



Candela Table - Type C

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
0	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755	1755
1	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1751	1750	1750	1750	1750	1750	1750	1750	1750	1751	1751	1751	1750	1750	1750	1750	1750	1750
2	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1744	1743	1744	1744	1744	1744	1743	1745	1746	1746	1746
3	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738	1738	1737	1737	1737	1738	1738	1737	1737	1737	1737	1737	1738	1739	1738	1738	1739	1739	1739	1738
4	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1731	1732	1732	1732	1732	1731	1732	1731	1731	1731	1731	1731	1731
5	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1724	1724	1726	1726	1725	1725	1725	1725	1725	1725	1724	1724	1725	1724	1724
6	1717	1716	1716	1716	1716	1717	1716	1716	1716	1717	1717	1717	1716	1716	1715	1715	1717	1717	1717	1717	1717	1717	1717	1717	1716	1715	1715	1716	1715	1715	1717	1717	1716
7	1703	1702	1702	1702	1703	1702	1702	1702	1703	1704	1702	1701	1699	1700	1700	1699	1704	1704	1701	1702	1700	1703	1702	1702	1699	1699	1700	1704	1704	1704	1704	1702	1702
8	1669	1669	1669	1669	1669	1669	1669	1669	1672	1669	1672	1669	1670	1666	1662	1672	1672	1670	1669	1666	1666	1666	1666	1665	1666	1665	1666	1665	1666	1666	1665	1666	1669
9	1626	1626	1626	1626	1626	1626	1626	1630	1626	1630	1626	1630	1626	1621	1630	1630	1630	1626	1626	1626	1622	1630	1626	1626	1621	1633	1630	1630	1629	1629	1626	1621	1633
10	1576	1575	1575	1576	1575	1575	1576	1575	1580	1576	1575	1575	1571	1581	1580	1575	1575	1571	1575	1571	1575	1571	1576	1580	1575	1579	1571	1570	1571	1576	1581	1579	1571
11	1519	1519	1519	1524	1519	1519	1519	1519	1519	1519	1519	1514	1513	1525	1519	1514	1519	1519	1519	1519	1519	1510	1507	1524	1523	1519	1519	1514	1513	1529	1527	1525	1519
12	1456	1455	1455	1455	1455	1456	1455	1456	1455	1455	1450	1449	1462	1455	1450	1450	1455	1455	1455	1455	1450	1461	1462	1460	1451	1450	1449	1462	1455	1451	1449	1450	1461
13	1388	1388	1388	1388	1388	1388	1388	1393	1388	1388	1394	1381	1394	1393	1387	1388	1388	1382	1381	1388	1394	1387	1388	1393	1382	1381	1399	1393	1388	1378	1374	1397	1388
14	1316	1316	1316	1316	1316	1316	1316	1316	1322	1316	1322	1316	1323	1322	1316	1310	1316	1316	1310	1311	1331	1321	1316	1316	1309	1310	1322	1321	1311	1310	1316	1323	1321
15	1241	1240	1241	1240	1241	1240	1247	1240	1247	1240	1234	1247	1240	1234	1240	1240	1240	1240	1241	1247	1240	1241	1234	1247	1246	1241	1229	1257	1240	1233	1229	1248	
16	1158	1158	1158	1158	1158	1165	1158	1158	1158	1150	1150	1167	1151	1151	1158	1158	1158	1151	1167	1164	1158	1158	1150	1158	1167	1152	1150	1150	1167	1152	1150	1167	1167
17	1072	1072	1072	1072	1072	1072	1079	1079	1071	1064	1080	1063	1072	1072	1072	1079	1072	1054	1078	1072	1065	1064	1063	1071	1064	1065	1054	1084	1072	1065	1089	1072	1063
18	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982
19	894	894	894	894	894	894	894	901	901	885	894	894	894	894	894	901	894	894	903	894	894	885	894	894	888	894	888	911	900	888	887	906	885

IESNA: LM-63-2002
[TEST] 700FMEX01840BG-LED935

[TESTDATE] 22-Sep-2017 14:04:25
[TESTLAB] GENERATION BRANDS INTERNAL TESTING
[ISSUEDATE] 10/2/2017 3:16:34 PM
[MANUFAC] TECH LIGHTING
[COLORCONSTANT] 3555K - 95CRI
[_TALLUMINAIRELUMENS] 777.6
[_NUMBEROFFRAYS]10000000
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 361
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.