

Report No.:

Test Time: 2020-10-29 17:24

Luminaire Property

Luminaire Manufacturer:
Luminaire Category:
Lamp Catalog:
Number of Lamps:
Luminous Length (mm):
Luminous Height (mm):
Current: 0.482 A
Power Factor: 0.986

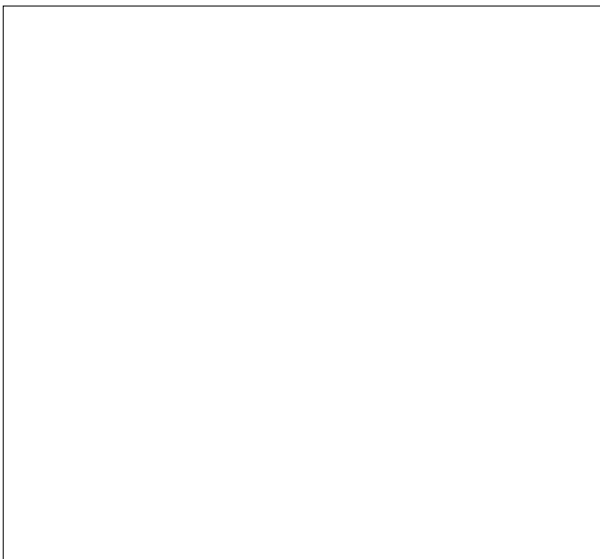
Luminaire Description:
Lamp Description:
Lumens per Lamp:
Luminous Width (mm):
Voltage: 120.0 V
Power: 57.12 W

Photometric Results

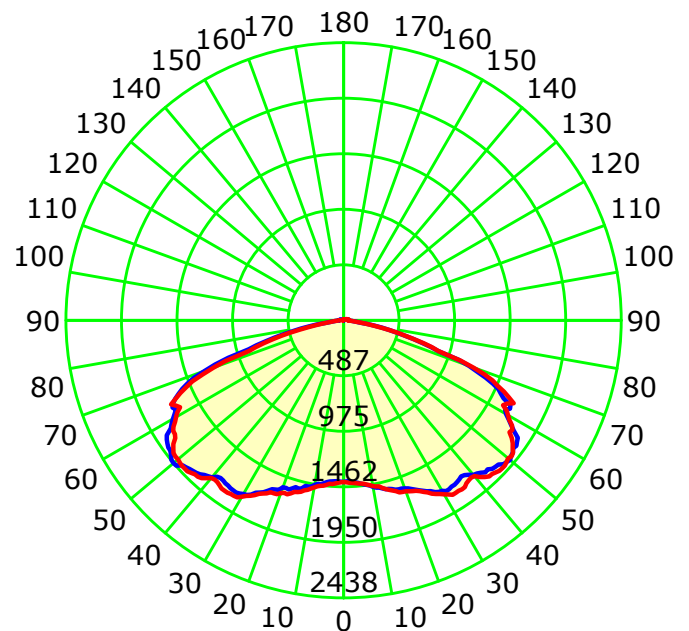
IES Classification: Type IV
Total Rated Lamp Lumens: 8088.2 lm
Efficiency: 100%
Upward Ratio: 2%
C0r0 Intensity: 1419.4 cd
Pos of Max. Intensity: H180 V50

Longitudinal Classification: Short
Measurement Flux: 8088.2 lm
Downward Ratio: 98%
Luminaire Efficacy Rating (LER): 141.65
Max. Intensity: 1950.62 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

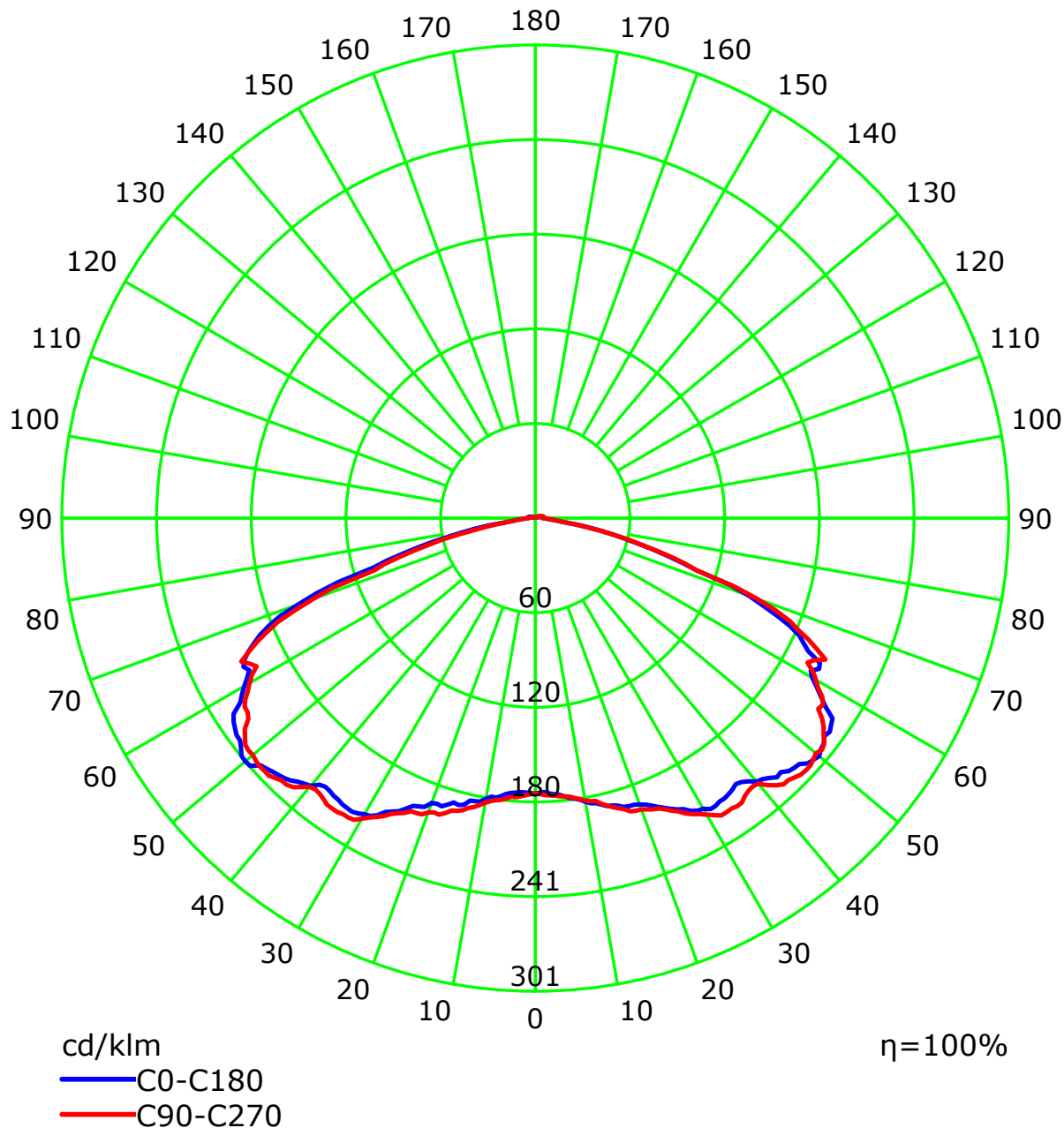
Average Diffuse Angle(50%): 143.6°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

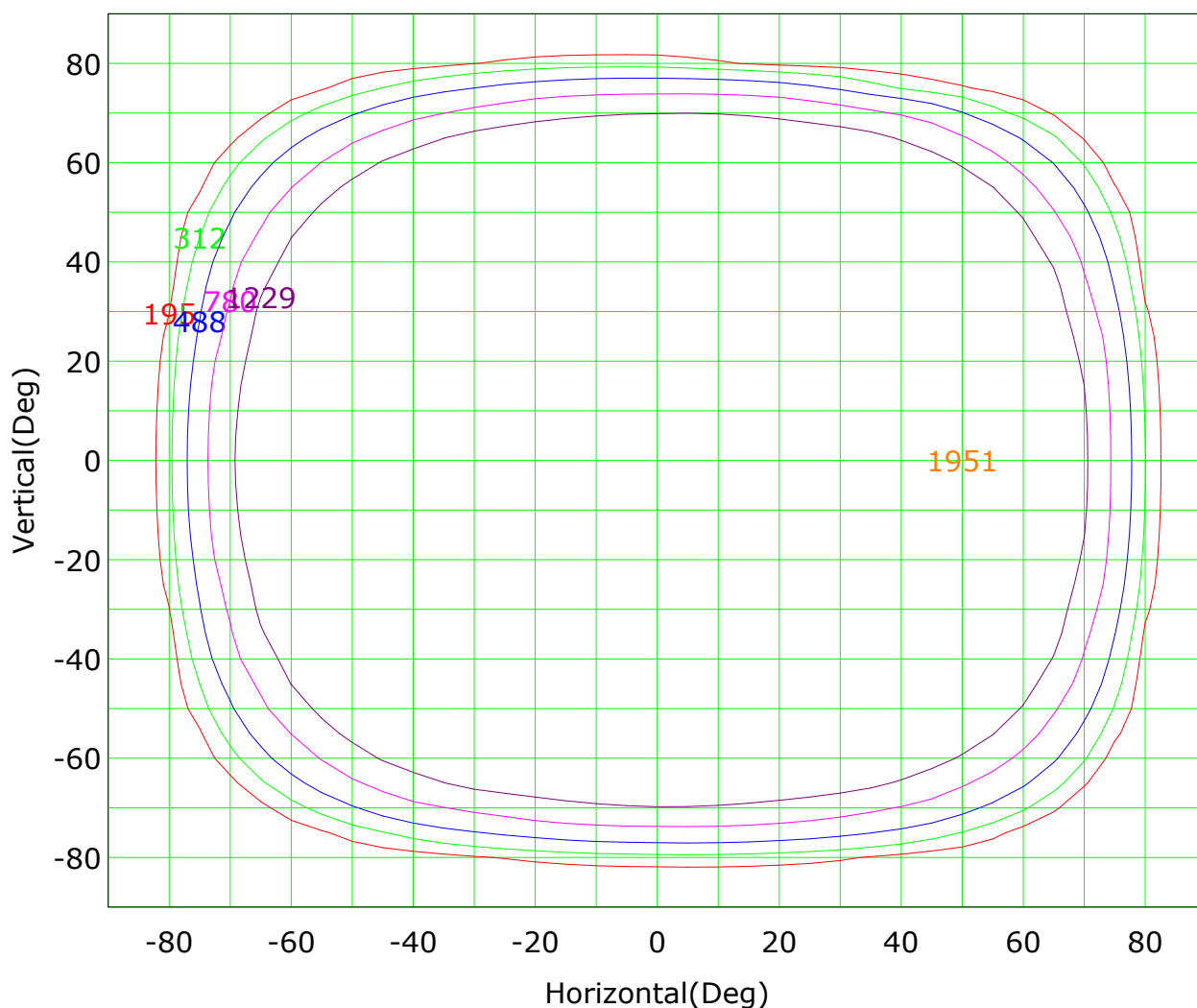
Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Isocandela (rectangle)



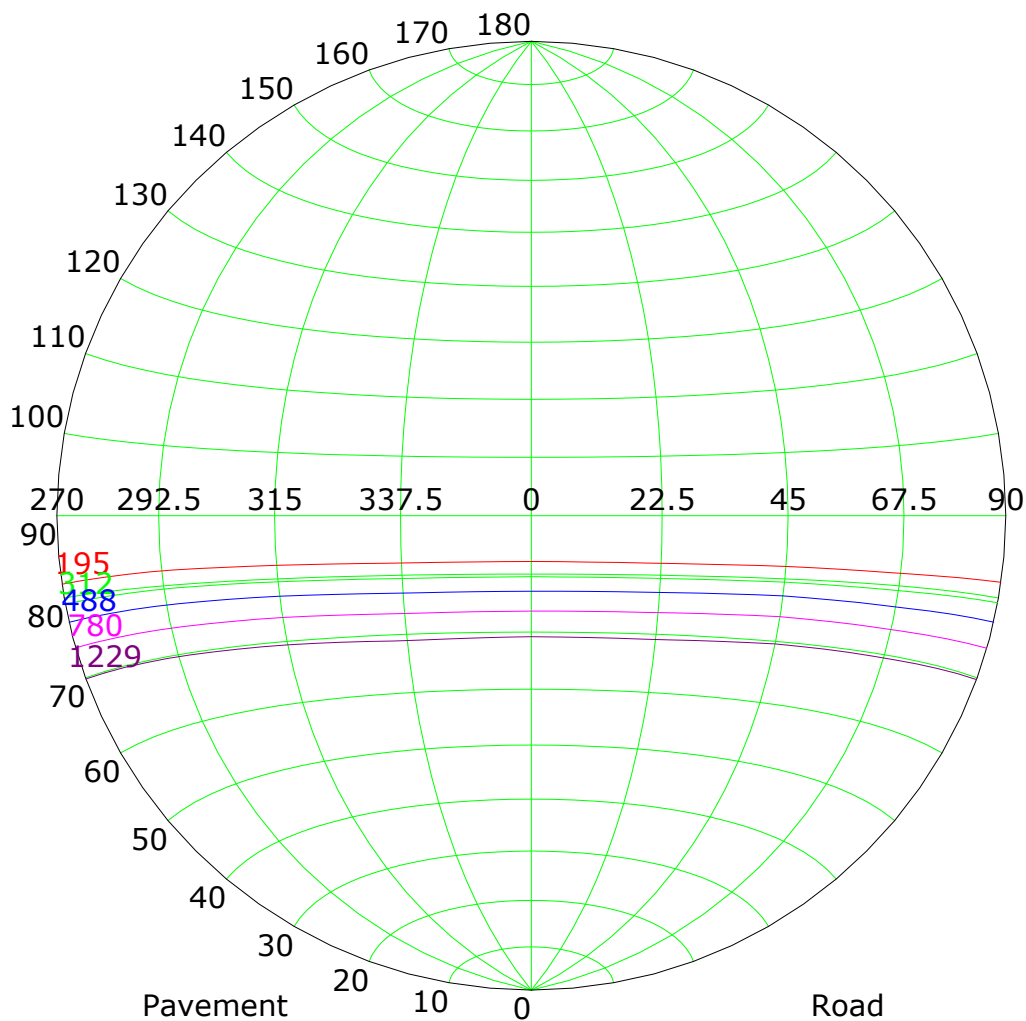
Imax (100%): 1951 cd

(10%): 195 cd	(16%): 312 cd
(25%): 488 cd	(40%): 780 cd
(63%): 1229 cd	(100%): 1951 cd

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 1951 cd

(10%): 195 cd	(16%): 312 cd
(25%): 488 cd	(40%): 780 cd
(63%): 1229 cd	(100%): 1951 cd

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

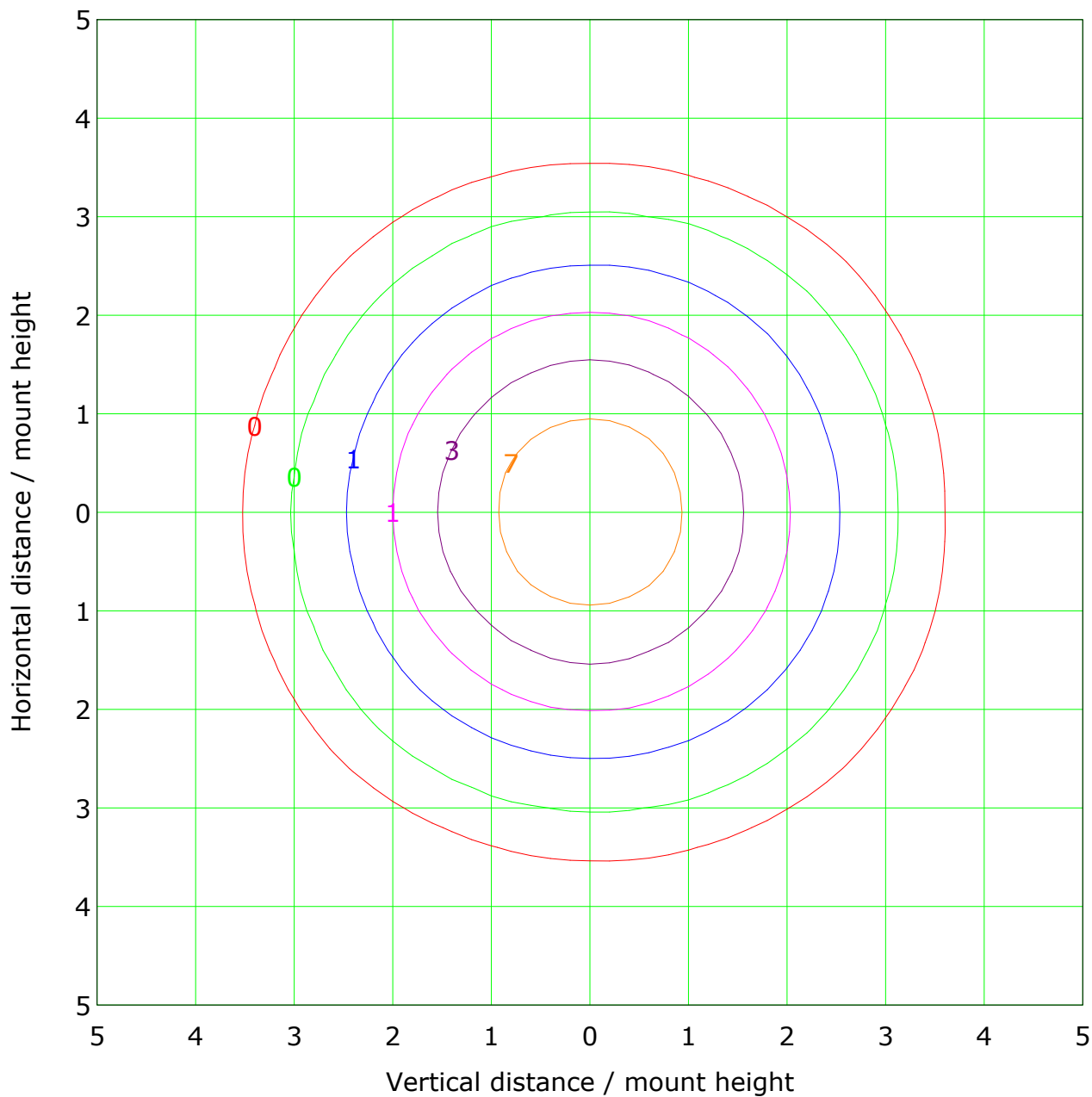
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 14.4 lx

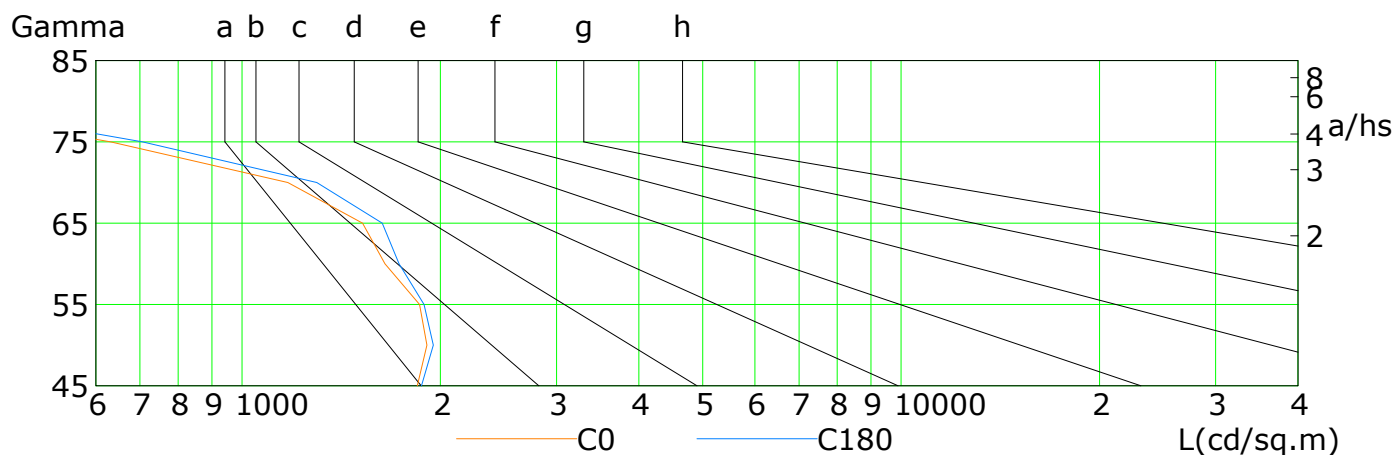
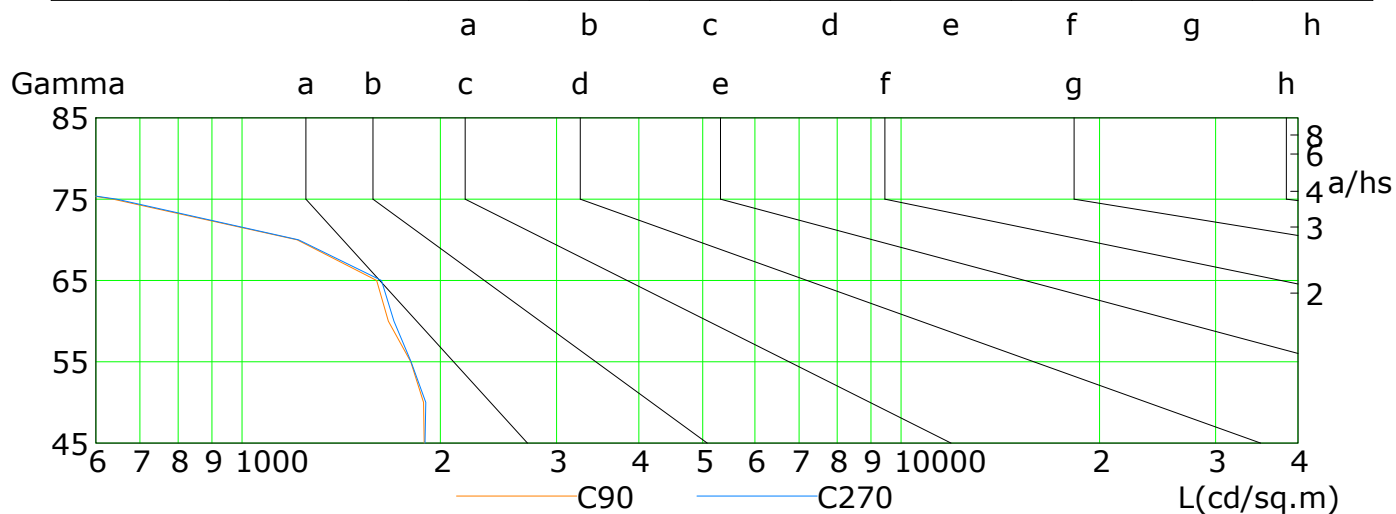
(1%): 0.1 lx	(2%): 0.3 lx
(5%): 0.7 lx	(10%): 1.4 lx
(20%): 2.9 lx	(50%): 7.2 lx
(100%): 14.4 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1845	1908	1859	1648	1524	1173	632	280	84
C90	1889	1885	1803	1668	1601	1212	638	269	77
C180	1871	1951	1889	1731	1633	1299	706	316	83
C270	1895	1900	1805	1700	1627	1218	645	254	79

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

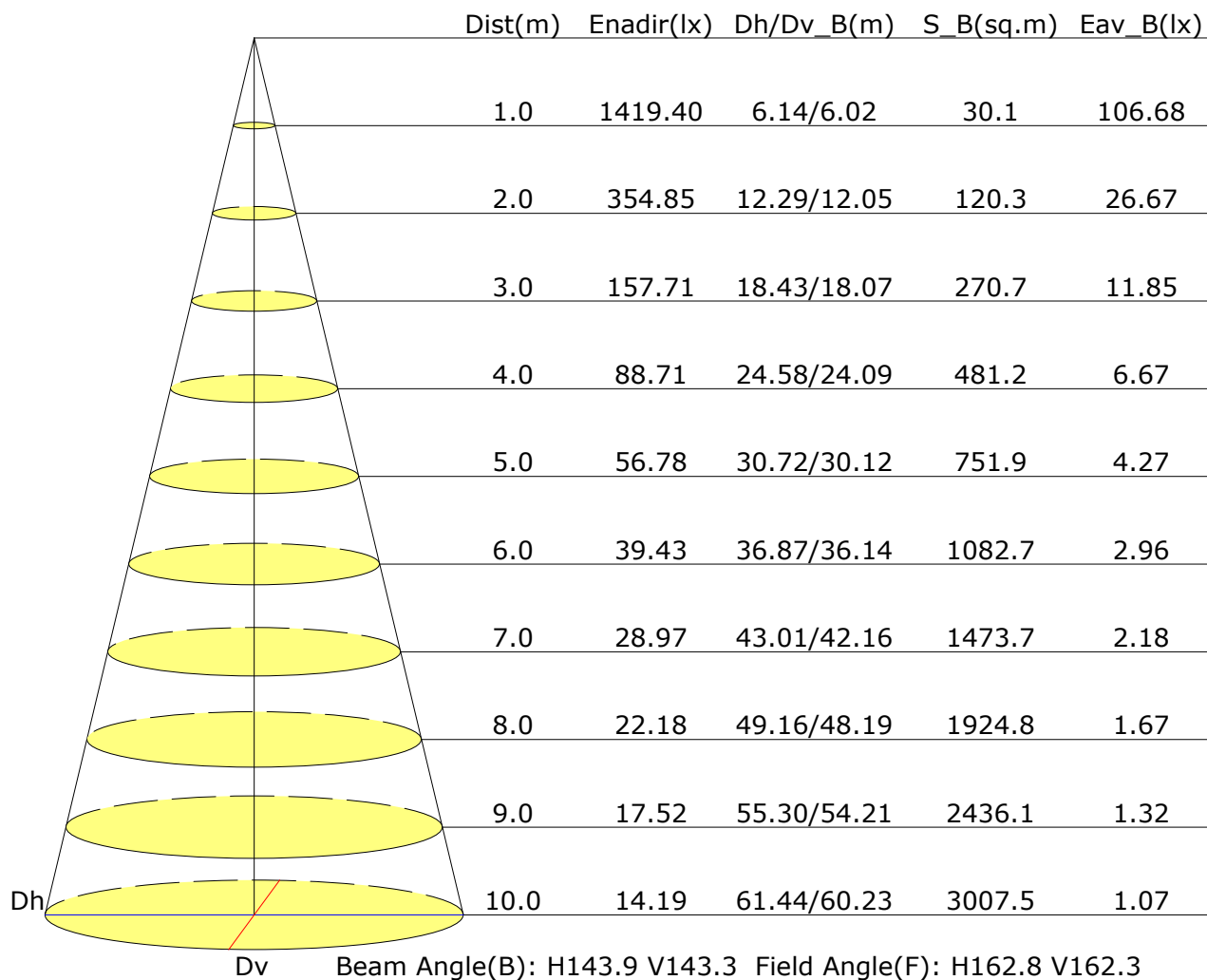
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

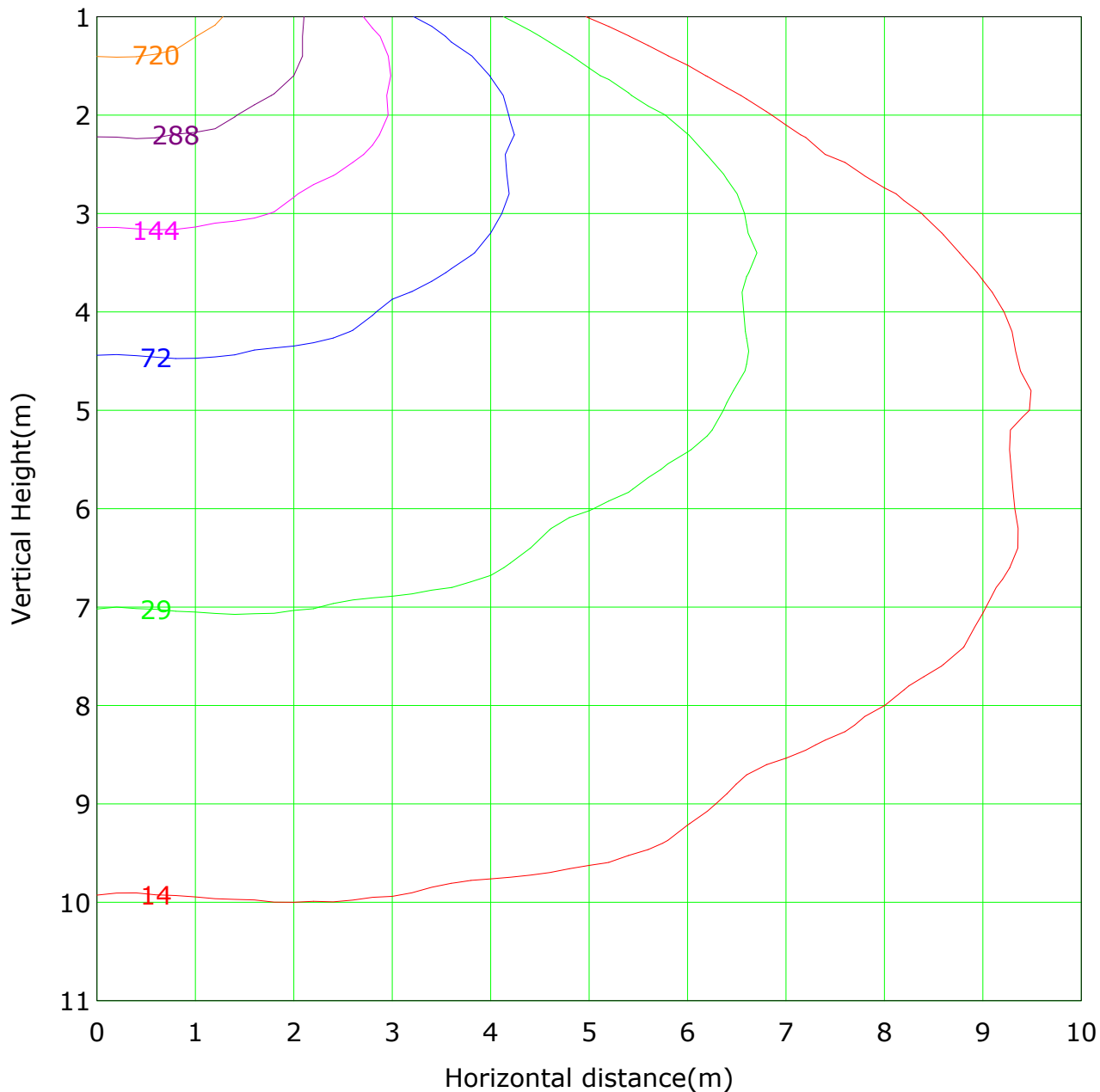
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



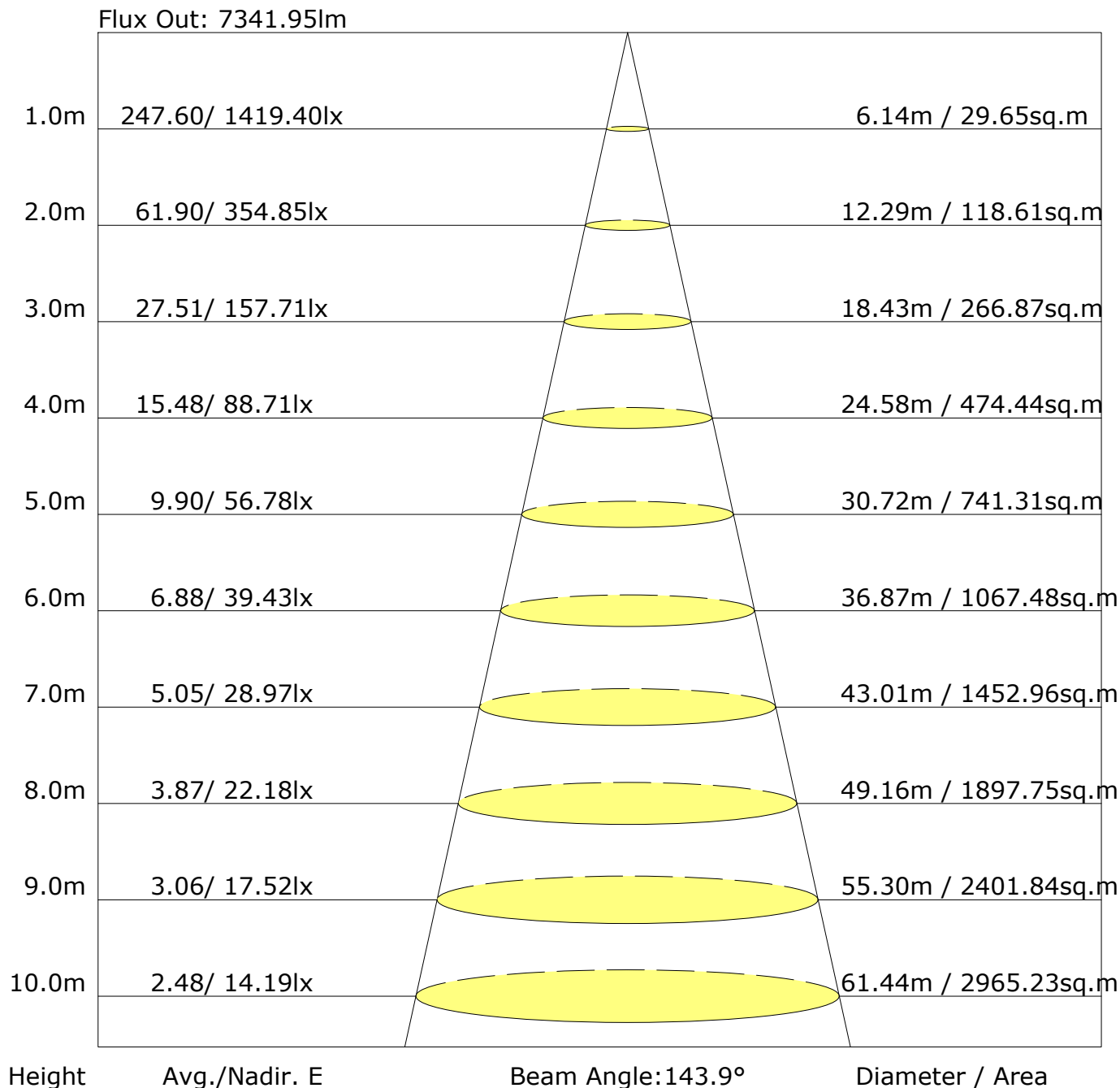
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1440.5 lx

(1%): 14.4 lx	(2%): 28.8 lx
(5%): 72.0 lx	(10%): 144.0 lx
(20%): 288.1 lx	(50%): 720.2 lx
(100%):1440.5 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

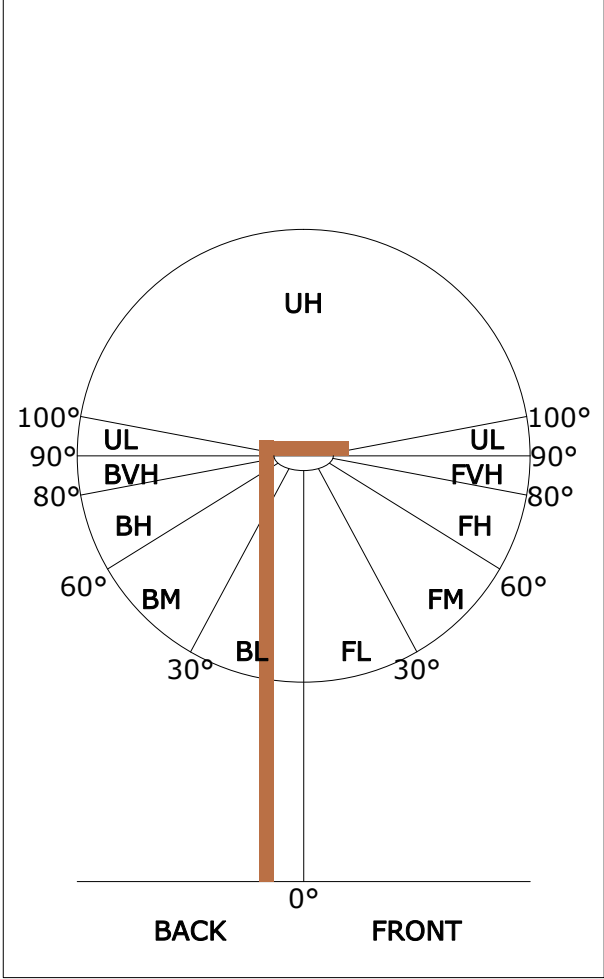
The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 °C
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	3978	49.2
	FL (0°-30°)	675	8.3
	FM (30°-60°)	2102	26.0
	FH (60°-80°)	1142	14.1
	FVH (80°-90°)	59	0.7
	BACK LIGHT	3987	49.3
	BL (0°-30°)	680	8.4
	BM (30°-60°)	2113	26.1
	BH (60°-80°)	1139	14.1
	BVH (80°-90°)	55	0.7
	UP LIGHT	123	1.5
	UL (90°-100°)	40	0.5
	UH (100°-180°)	83	1.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U3 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U3 G1

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.9 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4
G1.0	1414.4	1416.1	1419.5	1421.0	1423.0	1422.0	1424.2	1426.6	1417.4	1418.6
G2.0	1412.6	1419.6	1429.6	1430.0	1427.8	1429.8	1429.3	1426.8	1414.7	1420.4
G3.0	1421.4	1423.6	1430.9	1426.7	1430.8	1421.7	1425.1	1422.8	1414.7	1420.0
G4.0	1426.5	1427.0	1431.4	1427.0	1433.4	1426.9	1423.3	1423.1	1417.6	1423.6
G5.0	1431.9	1440.4	1440.7	1439.5	1438.7	1430.2	1431.6	1429.2	1421.2	1436.3
G6.0	1441.8	1444.9	1449.1	1437.9	1441.8	1435.9	1441.7	1436.9	1429.1	1445.7
G7.0	1452.2	1453.7	1459.4	1444.9	1446.1	1436.4	1446.9	1445.2	1442.7	1451.7
G8.0	1460.1	1464.7	1464.7	1452.8	1456.3	1445.7	1453.7	1456.0	1453.9	1464.7
G9.0	1468.9	1477.0	1475.4	1457.7	1465.8	1452.5	1457.5	1466.1	1453.9	1471.0
G10.0	1484.5	1490.6	1486.1	1470.0	1477.5	1459.6	1470.0	1469.0	1468.0	1478.8
G11.0	1496.4	1505.4	1496.2	1481.8	1486.5	1477.8	1486.0	1486.1	1488.1	1493.2
G12.0	1501.9	1518.7	1509.6	1491.8	1490.1	1489.8	1494.9	1504.0	1491.4	1510.5
G13.0	1515.6	1526.2	1518.8	1507.7	1510.2	1501.1	1501.1	1513.8	1493.7	1525.4
G14.0	1529.1	1535.0	1531.4	1519.4	1527.1	1511.2	1513.9	1513.0	1522.1	1526.0
G15.0	1532.8	1546.0	1538.0	1534.5	1542.1	1527.0	1527.9	1530.1	1530.8	1543.9
G16.0	1541.2	1550.6	1555.1	1546.4	1554.7	1543.7	1536.7	1548.0	1524.5	1557.3
G17.0	1555.7	1554.5	1573.4	1558.8	1568.7	1557.9	1562.3	1549.4	1543.2	1555.5
G18.0	1560.7	1571.4	1584.0	1577.8	1589.1	1573.4	1576.3	1555.7	1561.9	1567.0
G19.0	1562.6	1581.7	1592.3	1585.3	1594.4	1601.2	1591.8	1580.4	1556.5	1590.5
G20.0	1570.6	1588.1	1596.8	1609.0	1597.5	1612.2	1604.5	1597.2	1562.7	1604.6
G21.0	1581.5	1593.2	1618.8	1621.4	1608.3	1615.4	1618.8	1597.7	1594.3	1604.5
G22.0	1597.9	1601.1	1639.4	1629.1	1618.1	1620.6	1639.3	1599.1	1602.5	1607.1
G23.0	1616.5	1620.9	1652.8	1650.8	1626.3	1643.7	1656.9	1623.2	1611.1	1636.8
G24.0	1634.7	1639.3	1666.7	1649.6	1642.8	1655.1	1674.0	1650.5	1639.6	1661.1
G25.0	1652.9	1658.0	1676.6	1655.7	1663.2	1662.7	1690.3	1659.7	1666.5	1672.8
G26.0	1670.2	1677.1	1695.3	1672.9	1681.5	1682.8	1705.2	1681.8	1682.5	1695.5
G27.0	1683.1	1695.3	1704.1	1685.0	1708.6	1700.5	1721.2	1710.7	1699.5	1714.2
G28.0	1709.4	1707.2	1714.8	1707.5	1727.3	1722.8	1734.0	1727.1	1733.9	1734.1
G29.0	1723.2	1719.5	1721.8	1735.8	1743.6	1740.0	1752.1	1739.3	1754.6	1745.4
G30.0	1729.7	1734.9	1732.1	1751.8	1764.5	1746.8	1760.5	1757.4	1761.7	1767.3
G31.0	1749.8	1747.6	1741.1	1768.2	1785.0	1771.9	1764.8	1781.5	1775.1	1780.4
G32.0	1749.9	1753.6	1748.1	1780.7	1807.3	1793.8	1776.9	1790.7	1783.8	1788.5
G33.0	1741.6	1759.4	1760.6	1789.4	1807.3	1801.7	1786.9	1795.8	1781.0	1798.9
G34.0	1742.1	1766.1	1768.3	1801.7	1805.6	1804.2	1793.5	1801.4	1779.2	1804.7
G35.0	1736.2	1759.4	1777.0	1805.9	1812.1	1815.5	1799.6	1808.6	1771.1	1813.3
G36.0	1728.0	1756.7	1792.2	1802.0	1810.7	1811.9	1811.3	1805.7	1768.4	1810.6

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	1716.0	1753.8	1796.3	1803.8	1792.7	1807.5	1828.5	1796.1	1760.5	1796.8
G38.0	1725.6	1757.8	1811.7	1812.3	1783.5	1816.7	1829.8	1794.8	1757.4	1785.8
G39.0	1745.7	1763.6	1824.8	1812.0	1779.1	1811.5	1835.9	1797.9	1767.9	1785.2
G40.0	1772.2	1779.9	1841.8	1818.6	1786.5	1812.6	1854.9	1802.7	1801.4	1801.1
G41.0	1783.1	1800.9	1851.1	1827.8	1823.2	1830.6	1872.6	1829.7	1813.9	1827.3
G42.0	1801.9	1817.8	1868.3	1844.7	1852.4	1846.8	1880.5	1846.3	1827.7	1850.3
G43.0	1825.5	1841.7	1879.1	1864.7	1875.2	1870.3	1891.3	1867.8	1849.0	1867.2
G44.0	1819.9	1856.2	1898.0	1882.6	1876.2	1895.1	1912.9	1884.0	1862.5	1870.8
G45.0	1844.5	1876.8	1906.2	1897.3	1889.3	1902.9	1930.1	1892.9	1871.4	1884.3
G46.0	1852.7	1889.9	1911.6	1912.0	1901.9	1921.2	1934.8	1912.3	1881.2	1904.5
G47.0	1858.2	1887.0	1911.3	1919.7	1905.4	1926.2	1942.7	1926.9	1893.4	1917.6
G48.0	1888.5	1892.4	1910.4	1913.9	1905.9	1929.2	1949.2	1934.2	1903.8	1926.7
G49.0	1897.3	1886.2	1890.9	1903.1	1896.3	1918.5	1941.8	1950.2	1946.1	1932.3
G50.0	1908.2	1877.4	1877.0	1881.9	1885.5	1900.5	1924.5	1946.0	1950.6	1923.2
G51.0	1892.0	1872.6	1856.7	1856.2	1898.7	1885.0	1914.4	1944.7	1947.3	1909.5
G52.0	1885.9	1859.4	1831.9	1836.9	1888.1	1858.4	1891.9	1931.0	1924.4	1899.3
G53.0	1864.0	1837.1	1811.1	1817.5	1858.3	1846.8	1879.1	1907.5	1904.5	1890.7
G54.0	1874.5	1824.6	1787.8	1799.6	1835.9	1823.8	1858.0	1896.6	1902.8	1873.1
G55.0	1859.1	1811.0	1769.1	1784.1	1803.0	1796.3	1840.1	1886.7	1888.9	1859.5
G56.0	1845.7	1798.6	1742.6	1770.1	1757.3	1781.8	1810.4	1866.6	1874.6	1838.9
G57.0	1781.6	1769.7	1717.2	1728.9	1766.3	1751.3	1788.7	1835.0	1853.3	1810.8
G58.0	1733.7	1733.9	1691.8	1714.5	1743.8	1745.1	1762.6	1809.0	1791.3	1796.5
G59.0	1690.6	1687.8	1676.8	1693.8	1698.4	1717.8	1743.4	1778.3	1763.0	1760.0
G60.0	1647.6	1655.2	1663.0	1661.1	1667.5	1685.9	1724.1	1741.1	1730.5	1720.4
G61.0	1621.9	1642.5	1656.7	1629.5	1636.6	1665.8	1715.0	1716.9	1697.5	1689.3
G62.0	1654.5	1621.8	1648.5	1630.2	1586.8	1654.5	1702.8	1704.2	1668.5	1671.5
G63.0	1644.6	1616.2	1620.2	1633.3	1611.9	1658.1	1689.4	1695.1	1687.3	1665.3
G64.0	1563.0	1587.0	1600.4	1623.5	1662.1	1659.4	1683.9	1696.9	1668.5	1668.0
G65.0	1523.8	1541.3	1588.1	1602.2	1600.7	1647.6	1666.2	1663.0	1632.6	1642.7
G66.0	1487.7	1486.3	1548.6	1551.0	1539.9	1604.1	1648.6	1625.9	1586.5	1599.1
G67.0	1424.9	1418.4	1493.2	1479.4	1466.0	1545.3	1603.8	1579.8	1539.5	1548.0
G68.0	1344.7	1346.0	1406.0	1405.4	1411.3	1459.6	1530.3	1525.8	1478.4	1476.1
G69.0	1253.7	1268.3	1306.4	1317.0	1323.3	1369.8	1427.6	1447.6	1406.6	1412.5
G70.0	1173.1	1158.4	1196.1	1189.6	1212.4	1250.4	1321.0	1358.8	1298.5	1327.2
G71.0	1065.9	1030.5	1081.4	1053.3	1084.2	1122.0	1202.5	1233.8	1193.6	1213.8
G72.0	873.8	902.4	953.9	905.1	875.8	986.0	1071.2	1089.6	1066.1	1061.4
G73.0	797.2	806.5	853.9	808.9	811.7	863.0	946.1	950.6	872.4	917.6

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	711.1	729.4	763.0	723.1	731.0	776.1	841.2	839.9	797.5	821.6
G75.0	631.7	644.5	672.2	633.2	637.6	686.0	753.4	754.4	706.4	723.5
G76.0	544.2	556.7	580.2	549.7	557.7	598.6	662.9	663.4	623.0	632.2
G77.0	476.8	481.9	495.9	471.6	488.1	518.7	575.1	576.5	539.1	549.4
G78.0	408.1	406.3	409.1	401.2	408.5	439.0	498.5	499.2	455.2	465.1
G79.0	345.5	340.2	336.1	324.0	339.1	367.4	412.3	415.4	381.5	386.5
G80.0	280.1	271.0	269.8	259.3	268.7	291.9	336.1	343.9	315.7	307.6
G81.0	221.4	209.6	207.0	197.5	204.4	225.3	261.2	275.6	240.5	238.1
G82.0	142.8	141.6	152.7	145.5	150.2	157.9	183.6	185.0	152.2	163.6
G83.0	119.7	116.8	121.8	114.6	113.1	118.2	128.9	122.7	117.0	117.6
G84.0	101.1	95.5	98.0	94.9	95.3	100.2	105.8	102.6	100.0	98.4
G85.0	84.2	80.6	81.0	77.7	76.6	81.9	85.9	85.1	83.1	79.8
G86.0	70.1	67.6	68.0	65.5	64.5	67.5	70.7	69.9	68.8	67.5
G87.0	60.4	59.0	58.9	55.5	55.0	57.3	59.3	59.8	59.7	57.8
G88.0	54.7	53.5	53.5	49.7	48.8	49.5	51.9	53.3	51.7	50.3
G89.0	49.3	49.3	49.0	46.2	46.8	47.8	49.4	49.8	48.6	47.4
G90.0	41.9	41.7	40.6	38.9	38.9	40.0	40.9	42.9	40.7	40.4
G91.0	40.8	40.6	40.2	38.3	37.4	37.9	39.3	39.4	38.3	37.9
G92.0	39.9	40.2	40.7	38.1	37.1	37.8	39.2	38.3	37.1	36.6
G93.0	39.1	39.7	39.8	37.7	37.0	37.3	39.0	37.9	36.6	35.4
G94.0	40.3	40.7	41.1	39.3	39.3	39.8	39.9	38.6	37.1	35.6
G95.0	39.1	38.8	39.1	38.7	39.0	39.2	39.4	40.0	37.3	35.6
G96.0	36.7	37.0	39.3	37.2	37.5	36.9	37.0	35.6	34.2	32.5
G97.0	38.1	38.7	39.4	37.9	37.3	37.2	38.5	36.0	34.9	34.0
G98.0	38.9	39.0	39.6	38.9	38.7	38.9	39.1	37.8	35.6	36.1
G99.0	40.7	39.5	40.3	39.7	39.6	39.8	39.5	39.3	36.4	35.9
G100.0	40.9	39.5	40.3	41.2	41.0	40.9	39.0	39.5	35.9	36.2
G101.0	41.6	38.5	42.4	43.0	44.5	41.8	38.8	38.5	35.4	34.4
G102.0	39.0	37.8	44.8	40.4	42.8	39.9	41.1	36.4	31.5	33.2
G103.0	37.9	36.9	45.9	38.6	38.9	38.9	42.5	35.6	30.7	32.4
G104.0	36.1	35.2	40.4	37.0	37.3	37.1	36.9	34.2	29.3	31.5
G105.0	34.4	33.6	35.8	34.7	35.7	34.5	33.6	32.3	27.5	29.5
G106.0	32.4	30.6	33.1	32.3	32.9	31.8	32.1	30.3	26.1	28.5
G107.0	30.2	29.6	31.9	30.5	31.4	30.1	29.3	28.0	24.1	26.3
G108.0	29.7	28.4	30.9	30.0	31.1	29.8	28.8	27.0	24.2	25.1
G109.0	28.1	27.0	28.0	29.2	29.7	28.4	27.4	27.1	23.3	24.2
G110.0	27.3	24.6	27.1	27.8	29.3	27.2	25.6	25.2	21.7	23.0

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	25.5	23.9	26.2	27.9	29.7	26.6	24.3	23.4	19.0	22.0
G112.0	21.1	23.8	26.9	29.2	30.7	27.5	24.1	23.0	16.2	21.2
G113.0	16.3	22.1	24.4	27.7	30.4	27.4	23.9	23.1	15.7	21.8
G114.0	14.2	20.2	23.8	25.2	28.6	24.8	22.4	20.9	14.3	19.8
G115.0	13.4	19.4	22.8	24.2	26.9	23.5	21.8	19.7	13.8	18.0
G116.0	12.4	18.8	23.1	23.4	26.3	22.6	21.0	18.7	12.9	17.4
G117.0	11.4	18.5	23.1	22.5	24.8	22.2	20.4	18.1	12.0	16.5
G118.0	11.3	18.6	23.7	22.1	25.3	21.9	20.7	17.0	12.2	15.5
G119.0	10.9	17.7	23.2	22.3	24.7	21.1	20.5	17.0	10.1	14.9
G120.0	10.4	17.2	22.9	20.2	23.0	20.5	20.4	16.1	10.4	13.8
G121.0	9.6	16.7	22.9	19.0	20.4	18.8	20.2	14.9	8.7	12.4
G122.0	9.0	16.0	23.3	17.9	18.5	17.9	19.9	14.3	8.6	11.3
G123.0	8.6	15.5	23.4	17.9	17.4	17.6	20.1	13.8	7.2	10.8
G124.0	8.0	15.6	23.4	18.1	16.3	17.8	20.9	13.6	7.4	9.8
G125.0	8.1	14.5	22.2	17.0	15.5	16.9	19.7	13.2	6.8	9.8
G126.0	7.8	14.2	22.5	16.0	15.3	16.1	19.9	12.6	6.7	9.3
G127.0	7.9	14.7	21.7	15.2	11.7	15.7	19.9	12.6	6.1	9.6
G128.0	7.9	14.1	21.2	14.3	10.4	15.4	19.2	12.7	6.8	9.2
G129.0	7.7	13.2	19.0	13.7	8.9	14.6	17.9	12.7	6.6	9.2
G130.0	7.1	12.0	16.2	12.3	8.9	12.6	15.1	11.2	6.4	8.5
G131.0	7.2	11.2	15.2	11.3	8.7	11.7	14.1	10.9	5.8	7.9
G132.0	6.5	10.3	14.6	10.9	8.6	11.3	13.3	10.2	5.7	7.3
G133.0	7.0	10.2	14.2	10.7	8.9	11.1	13.1	9.6	5.5	6.9
G134.0	6.4	10.3	13.8	10.7	7.8	11.0	12.7	9.8	5.7	7.1
G135.0	6.8	9.5	13.2	10.2	8.3	10.7	12.3	9.3	5.4	6.5
G136.0	5.9	9.5	12.9	10.2	8.4	9.5	12.2	9.3	5.5	6.6
G137.0	6.0	9.7	12.7	9.8	8.5	10.2	11.9	9.2	5.3	6.6
G138.0	6.3	9.5	12.5	9.8	8.2	10.7	12.4	8.4	4.7	6.4
G139.0	5.8	8.5	12.7	9.5	7.9	10.8	12.0	8.9	5.6	7.0
G140.0	4.9	8.9	12.6	9.3	7.4	10.4	12.2	8.5	5.5	6.8
G141.0	5.3	8.3	11.5	8.7	6.9	9.6	11.5	8.1	4.5	6.4
G142.0	5.2	7.2	10.9	7.9	6.6	9.6	10.4	7.8	4.9	6.1
G143.0	4.9	7.4	9.5	7.4	5.5	8.7	9.4	6.5	3.8	5.6
G144.0	5.1	5.9	8.0	6.3	6.0	7.2	8.5	6.4	4.4	5.6
G145.0	4.8	6.0	6.8	5.6	6.1	7.0	7.1	6.4	4.1	4.6
G146.0	4.8	5.4	6.3	5.9	6.0	6.5	6.7	6.0	4.5	4.9
G147.0	4.3	5.0	6.9	6.1	6.0	6.9	6.9	6.0	4.2	4.9

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	5.1	5.5	6.2	6.1	5.8	6.6	6.3	6.1	3.7	4.8
G149.0	4.7	5.6	6.4	6.1	5.6	6.2	6.1	6.0	4.8	4.8
G150.0	4.5	4.9	6.3	5.8	6.1	6.1	6.2	5.4	3.9	4.5
G151.0	4.7	4.9	6.1	5.8	6.3	5.9	5.8	6.0	4.3	4.8
G152.0	4.5	5.3	5.7	5.4	6.0	5.8	5.6	6.2	3.9	4.9
G153.0	4.2	5.2	5.7	5.6	6.1	5.7	6.3	6.0	4.3	4.2
G154.0	4.6	4.0	5.7	5.7	5.7	5.9	5.6	5.7	4.1	4.8
G155.0	4.7	4.9	5.6	5.7	5.9	5.2	5.8	5.6	4.1	4.8
G156.0	4.5	4.9	5.0	4.9	6.0	5.3	5.6	5.5	3.9	4.8
G157.0	4.9	4.9	6.0	5.3	5.3	5.8	5.7	5.8	4.0	4.6
G158.0	4.7	5.3	5.9	5.7	6.1	5.2	5.3	5.8	4.2	4.5
G159.0	4.3	5.2	5.4	5.0	6.1	6.1	5.7	4.4	4.4	4.7
G160.0	4.6	5.3	5.6	5.5	5.9	6.0	6.0	5.4	4.6	5.0
G161.0	4.2	5.1	5.6	5.6	5.3	5.7	5.4	5.7	4.7	5.0
G162.0	4.8	5.3	5.5	5.3	5.9	6.0	5.7	5.7	4.5	4.9
G163.0	4.6	4.6	5.0	5.9	6.0	5.9	5.8	5.7	4.3	4.3
G164.0	4.4	5.2	6.0	6.1	5.5	5.9	6.0	5.3	4.4	4.9
G165.0	4.7	4.9	5.1	5.8	6.0	6.0	6.1	5.8	4.5	4.3
G166.0	4.9	4.7	5.9	4.9	5.7	6.0	6.0	5.4	4.3	5.0
G167.0	4.3	5.3	4.6	5.4	6.2	5.7	6.1	5.9	4.7	4.6
G168.0	4.7	4.8	5.5	5.3	6.0	6.2	5.6	5.5	4.6	5.0
G169.0	5.0	5.4	5.9	5.9	5.7	6.2	6.3	6.0	4.6	5.2
G170.0	4.7	5.4	5.6	5.6	5.9	5.2	6.1	5.4	4.5	4.6
G171.0	5.0	4.9	5.7	5.8	6.5	6.0	5.7	5.7	4.7	5.2
G172.0	5.0	5.2	4.2	5.8	5.7	6.1	5.7	5.6	4.1	5.0
G173.0	4.4	5.5	5.9	5.2	5.6	5.8	5.1	5.5	4.4	5.0
G174.0	4.7	4.8	5.7	6.0	5.7	6.0	5.3	6.0	4.6	5.1
G175.0	4.0	5.3	5.6	5.3	6.2	6.4	6.0	6.0	4.5	5.1
G176.0	4.3	5.0	5.4	5.8	5.8	5.8	5.9	5.4	4.6	5.1
G177.0	4.7	5.2	5.6	5.5	6.0	6.0	5.6	5.5	4.3	4.6
G178.0	4.3	4.9	5.2	5.3	4.9	5.5	5.0	5.4	4.6	4.9
G179.0	4.4	5.0	5.3	4.7	5.2	5.6	4.4	5.5	4.3	4.9
G180.0	4.9	5.1	4.8	5.3	6.0	5.5	5.3	5.5	3.7	4.9

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4	1419.4			
G1.0	1422.9	1420.2	1422.6	1424.2	1426.1	1416.6	1414.4			
G2.0	1428.9	1427.9	1428.5	1430.0	1432.7	1422.6	1412.6			
G3.0	1429.5	1430.6	1435.3	1429.2	1437.5	1429.2	1421.4			
G4.0	1429.7	1428.5	1441.7	1432.8	1438.2	1436.2	1426.5			
G5.0	1434.0	1437.6	1441.2	1446.9	1443.9	1451.7	1431.9			
G6.0	1444.9	1446.3	1453.6	1451.6	1454.0	1462.9	1441.8			
G7.0	1459.6	1448.7	1462.6	1456.0	1466.3	1468.4	1452.2			
G8.0	1470.2	1458.1	1468.4	1461.7	1478.1	1482.1	1460.1			
G9.0	1471.3	1469.4	1476.7	1465.4	1487.6	1487.8	1468.9			
G10.0	1484.4	1476.9	1489.9	1480.9	1501.4	1503.1	1484.5			
G11.0	1498.4	1492.2	1506.0	1491.0	1511.3	1517.3	1496.4			
G12.0	1516.4	1505.6	1521.8	1509.6	1516.8	1530.8	1501.9			
G13.0	1521.0	1525.7	1532.5	1529.6	1528.5	1538.8	1515.6			
G14.0	1531.4	1532.2	1551.3	1549.5	1542.5	1545.7	1529.1			
G15.0	1545.5	1550.2	1561.5	1562.8	1548.4	1557.4	1532.8			
G16.0	1562.6	1569.5	1567.7	1570.8	1562.0	1566.3	1541.2			
G17.0	1579.8	1572.6	1589.3	1580.2	1573.7	1572.5	1555.7			
G18.0	1585.1	1595.0	1606.6	1591.7	1593.1	1587.9	1560.7			
G19.0	1608.6	1621.9	1603.7	1606.4	1604.3	1596.9	1562.6			
G20.0	1632.3	1629.2	1613.9	1621.9	1611.3	1601.1	1570.6			
G21.0	1642.6	1631.5	1635.2	1623.7	1627.6	1602.7	1581.5			
G22.0	1658.1	1638.9	1638.8	1636.9	1638.6	1614.8	1597.9			
G23.0	1670.1	1663.7	1640.9	1661.7	1654.9	1637.8	1616.5			
G24.0	1695.4	1674.4	1663.4	1665.6	1670.6	1654.5	1634.7			
G25.0	1712.0	1683.3	1678.4	1669.6	1680.0	1674.9	1652.9			
G26.0	1718.2	1699.1	1696.2	1688.6	1693.6	1695.9	1670.2			
G27.0	1728.6	1716.0	1723.0	1707.4	1705.7	1705.5	1683.1			
G28.0	1735.0	1731.1	1744.5	1726.9	1720.4	1720.7	1709.4			
G29.0	1761.0	1752.8	1763.8	1742.2	1736.6	1741.3	1723.2			
G30.0	1768.9	1764.9	1788.8	1768.4	1751.9	1756.7	1729.7			
G31.0	1773.5	1786.3	1814.0	1788.7	1762.9	1763.2	1749.8			
G32.0	1786.1	1803.0	1818.9	1799.8	1767.3	1773.0	1749.9			
G33.0	1804.0	1824.7	1819.3	1811.4	1778.1	1786.2	1741.6			
G34.0	1813.0	1833.2	1826.4	1818.1	1789.1	1785.5	1742.1			
G35.0	1815.2	1832.7	1826.2	1816.2	1798.7	1784.3	1736.2			
G36.0	1825.8	1833.7	1826.0	1813.2	1807.3	1775.1	1728.0			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	1839.2	1831.2	1812.9	1810.0	1813.3	1774.7	1716.0			
G38.0	1844.9	1835.4	1803.3	1816.9	1823.4	1782.9	1725.6			
G39.0	1852.4	1825.7	1799.7	1817.5	1834.6	1793.3	1745.7			
G40.0	1862.7	1828.2	1808.1	1818.0	1845.1	1811.9	1772.2			
G41.0	1868.4	1846.6	1836.5	1834.9	1858.5	1830.8	1783.1			
G42.0	1887.2	1861.7	1864.9	1858.4	1875.1	1853.9	1801.9			
G43.0	1898.2	1889.1	1878.8	1881.6	1886.2	1861.4	1825.5			
G44.0	1919.7	1902.2	1880.7	1889.6	1902.2	1868.1	1819.9			
G45.0	1929.0	1914.4	1894.9	1906.3	1912.7	1893.2	1844.5			
G46.0	1938.1	1928.1	1909.7	1919.6	1924.9	1892.5	1852.7			
G47.0	1944.5	1940.4	1909.0	1922.7	1926.5	1896.5	1858.2			
G48.0	1946.1	1944.0	1910.9	1919.8	1918.9	1900.3	1888.5			
G49.0	1940.4	1942.0	1906.6	1909.9	1903.3	1894.9	1897.3			
G50.0	1924.0	1914.3	1899.9	1895.9	1888.7	1881.2	1908.2			
G51.0	1911.0	1894.5	1901.6	1875.7	1869.8	1869.9	1892.0			
G52.0	1892.6	1870.9	1896.3	1852.3	1858.8	1856.4	1885.9			
G53.0	1871.9	1856.6	1872.4	1840.9	1847.3	1849.5	1864.0			
G54.0	1853.6	1837.2	1849.9	1817.6	1827.6	1852.4	1874.5			
G55.0	1841.9	1820.5	1804.9	1805.4	1797.1	1832.3	1859.1			
G56.0	1816.7	1808.4	1787.7	1788.0	1779.3	1806.3	1845.7			
G57.0	1791.1	1782.8	1785.2	1767.2	1757.8	1774.7	1781.6			
G58.0	1766.9	1755.6	1761.9	1742.6	1744.3	1741.3	1733.7			
G59.0	1745.9	1741.1	1727.5	1717.9	1717.4	1698.0	1690.6			
G60.0	1729.0	1699.1	1699.8	1678.1	1705.8	1673.3	1647.6			
G61.0	1715.6	1677.8	1669.5	1675.0	1692.6	1656.7	1621.9			
G62.0	1704.3	1667.3	1626.8	1669.6	1670.3	1645.8	1654.5			
G63.0	1679.1	1659.2	1652.7	1658.3	1647.8	1641.7	1644.6			
G64.0	1662.8	1665.1	1685.6	1657.9	1635.9	1596.5	1563.0			
G65.0	1661.1	1668.1	1627.3	1647.9	1602.8	1549.4	1523.8			
G66.0	1641.4	1627.9	1570.3	1585.2	1558.7	1484.4	1487.7			
G67.0	1595.2	1574.8	1502.0	1532.5	1494.1	1415.4	1424.9			
G68.0	1544.7	1498.0	1433.0	1435.5	1401.4	1343.6	1344.7			
G69.0	1451.3	1408.0	1327.0	1326.3	1300.1	1258.2	1253.7			
G70.0	1344.1	1287.9	1218.3	1204.7	1182.2	1138.1	1173.1			
G71.0	1207.4	1158.4	1105.5	1088.8	1055.8	1016.1	1065.9			
G72.0	1080.1	1000.5	872.7	940.1	934.5	879.5	873.8			
G73.0	943.7	869.1	813.6	837.9	837.9	800.1	797.2			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	834.1	765.8	731.9	749.1	755.2	710.2	711.1			
G75.0	731.9	675.8	645.2	659.9	659.9	629.3	631.7			
G76.0	638.1	579.6	562.7	569.9	573.9	545.4	544.2			
G77.0	526.9	435.4	488.0	492.8	494.5	470.7	476.8			
G78.0	389.3	243.0	394.6	411.9	420.0	402.1	408.1			
G79.0	275.5	184.8	317.9	342.2	347.7	330.8	345.5			
G80.0	203.1	172.2	253.9	278.1	277.1	271.7	280.1			
G81.0	151.8	149.2	194.8	210.0	212.7	210.6	221.4			
G82.0	118.4	123.3	140.3	154.3	157.2	143.7	142.8			
G83.0	99.3	99.8	112.8	124.5	127.0	121.2	119.7			
G84.0	87.3	88.4	95.7	103.1	102.5	99.3	101.1			
G85.0	74.8	71.4	79.0	86.2	85.9	83.7	84.2			
G86.0	64.1	61.9	65.5	70.7	72.4	70.6	70.1			
G87.0	56.7	55.7	57.1	61.5	63.0	60.7	60.4			
G88.0	50.0	48.5	50.8	55.2	56.8	56.1	54.7			
G89.0	46.9	42.8	48.9	50.9	49.2	47.2	49.3			
G90.0	39.2	36.0	37.4	42.1	42.8	43.3	41.9			
G91.0	35.4	31.7	35.9	41.1	42.5	41.7	40.8			
G92.0	32.7	29.9	33.5	40.1	41.3	41.0	39.9			
G93.0	33.0	26.5	31.5	38.9	40.8	40.2	39.1			
G94.0	32.2	22.5	30.4	38.7	42.3	41.4	40.3			
G95.0	31.0	21.1	28.6	36.9	40.9	40.4	39.1			
G96.0	29.4	21.0	28.6	37.8	41.6	39.0	36.7			
G97.0	28.7	21.1	28.9	36.6	41.0	41.1	38.1			
G98.0	29.4	20.8	25.1	35.4	41.5	41.6	38.9			
G99.0	29.9	21.0	22.3	33.8	42.7	42.9	40.7			
G100.0	30.9	23.4	20.3	34.1	45.3	43.6	40.9			
G101.0	34.5	28.1	17.8	36.9	48.2	42.8	41.6			
G102.0	38.5	30.7	15.1	37.2	50.9	41.3	39.0			
G103.0	35.3	25.9	12.9	31.6	47.2	40.1	37.9			
G104.0	31.4	23.8	11.2	27.1	41.9	38.1	36.1			
G105.0	30.2	25.1	8.7	27.3	40.9	36.7	34.4			
G106.0	29.5	25.4	9.5	26.7	38.2	33.8	32.4			
G107.0	27.8	24.7	10.1	25.6	35.8	32.2	30.2			
G108.0	26.9	25.6	9.9	26.0	35.0	31.3	29.7			
G109.0	26.2	25.6	10.0	26.1	32.6	29.6	28.1			
G110.0	25.4	25.0	10.2	25.6	31.4	28.2	27.3			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	25.3	24.3	10.0	25.7	31.8	27.6	25.5			
G112.0	26.1	24.1	10.1	25.6	32.6	27.6	21.1			
G113.0	26.5	25.2	10.0	25.8	31.2	25.5	16.3			
G114.0	24.7	22.9	9.8	23.3	29.3	23.6	14.2			
G115.0	24.1	21.7	9.5	22.9	28.4	21.9	13.4			
G116.0	23.7	20.9	9.0	21.3	27.0	20.7	12.4			
G117.0	23.0	20.2	8.9	20.5	27.2	19.9	11.4			
G118.0	22.3	19.3	8.1	20.2	26.0	19.1	11.3			
G119.0	22.0	19.0	7.7	19.3	25.0	18.5	10.9			
G120.0	21.3	17.7	7.5	17.6	23.9	17.2	10.4			
G121.0	19.6	16.3	6.9	15.8	22.1	16.5	9.6			
G122.0	18.3	14.6	6.2	15.1	21.3	15.7	9.0			
G123.0	17.3	13.7	5.7	14.2	21.1	14.6	8.6			
G124.0	16.5	12.8	6.0	13.3	19.7	14.1	8.0			
G125.0	14.9	11.6	5.8	12.2	19.0	13.1	8.1			
G126.0	14.7	11.3	5.7	12.3	18.2	12.3	7.8			
G127.0	14.9	11.1	5.4	11.1	17.9	12.4	7.9			
G128.0	13.4	10.2	5.3	10.3	16.1	12.4	7.9			
G129.0	11.7	9.4	4.5	9.4	14.1	11.0	7.7			
G130.0	10.2	8.0	5.1	8.8	12.7	10.3	7.1			
G131.0	9.1	8.2	5.1	7.9	11.7	9.5	7.2			
G132.0	8.5	7.6	5.1	6.9	10.8	9.4	6.5			
G133.0	8.7	7.0	5.0	7.3	10.8	9.8	7.0			
G134.0	8.4	6.1	5.2	6.2	10.6	9.1	6.4			
G135.0	8.2	5.9	4.8	6.7	10.1	9.1	6.8			
G136.0	8.3	6.1	5.6	6.6	10.0	9.0	5.9			
G137.0	7.3	6.1	5.2	6.6	9.8	9.2	6.0			
G138.0	7.9	6.1	5.2	6.1	9.6	9.5	6.3			
G139.0	7.8	5.7	5.7	5.9	8.8	9.5	5.8			
G140.0	7.4	6.2	5.2	5.1	8.7	8.8	4.9			
G141.0	6.6	5.7	5.9	5.4	8.5	8.2	5.3			
G142.0	5.9	5.8	6.3	5.6	7.7	7.7	5.2			
G143.0	5.2	5.7	5.7	5.5	7.3	7.2	4.9			
G144.0	6.0	5.9	5.9	5.5	6.7	7.5	5.1			
G145.0	6.1	5.0	6.0	5.6	6.9	6.6	4.8			
G146.0	5.3	5.7	5.7	5.5	6.7	6.3	4.8			
G147.0	5.5	5.5	5.9	5.6	6.6	7.0	4.3			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	5.8	5.8	5.8	5.6	5.7	6.5	5.1			
G149.0	5.6	4.7	5.7	5.2	5.3	6.5	4.7			
G150.0	4.9	5.9	5.8	5.5	6.2	6.1	4.5			
G151.0	5.4	5.7	4.9	5.6	5.9	5.8	4.7			
G152.0	4.9	5.5	5.7	5.7	5.8	5.9	4.5			
G153.0	5.2	5.7	6.0	6.3	5.8	5.4	4.2			
G154.0	5.5	6.1	6.1	5.7	5.9	6.0	4.6			
G155.0	4.9	5.8	5.6	5.5	6.1	6.0	4.7			
G156.0	5.0	5.2	5.2	5.9	5.5	5.6	4.5			
G157.0	5.4	5.5	5.6	5.3	6.0	5.3	4.9			
G158.0	5.2	5.9	5.6	5.8	6.0	6.1	4.7			
G159.0	5.0	6.1	5.7	5.7	5.8	5.9	4.3			
G160.0	5.1	5.7	5.4	5.6	6.2	6.0	4.6			
G161.0	5.2	5.6	5.7	5.9	6.3	6.1	4.2			
G162.0	5.1	6.1	5.5	6.3	6.2	6.1	4.8			
G163.0	5.5	5.8	5.3	6.3	5.8	6.0	4.6			
G164.0	5.7	5.3	5.9	6.1	5.9	6.1	4.4			
G165.0	5.4	6.1	5.6	6.1	6.0	6.3	4.7			
G166.0	5.5	5.7	5.5	5.7	5.9	5.7	4.9			
G167.0	5.6	5.3	4.9	5.2	5.3	5.4	4.3			
G168.0	5.1	5.8	5.5	5.9	6.0	5.9	4.7			
G169.0	5.6	6.0	5.9	6.3	6.4	6.2	5.0			
G170.0	5.0	5.7	6.0	6.4	6.5	6.2	4.7			
G171.0	5.8	5.9	5.2	6.4	6.2	6.3	5.0			
G172.0	5.6	5.9	5.9	5.7	6.1	6.3	5.0			
G173.0	5.5	5.5	6.0	6.5	6.0	6.2	4.4			
G174.0	5.6	5.7	6.0	6.3	6.5	5.6	4.7			
G175.0	5.6	6.3	5.9	6.2	5.5	6.1	4.0			
G176.0	5.5	5.8	5.4	5.5	5.7	5.8	4.3			
G177.0	4.6	5.4	5.2	5.6	5.7	6.1	4.7			
G178.0	5.5	5.3	5.4	5.5	5.8	5.7	4.3			
G179.0	4.8	5.3	5.7	5.4	6.0	5.7	4.4			
G180.0	5.1	4.8	5.4	6.0	5.5	5.3	4.9			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.9 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector: