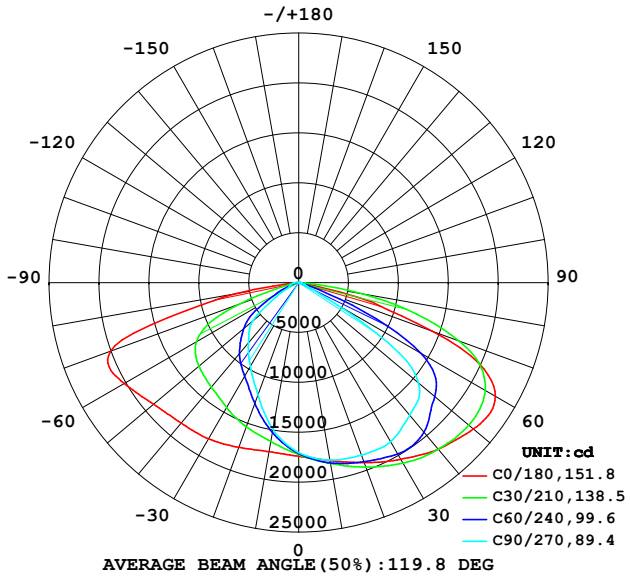
# STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

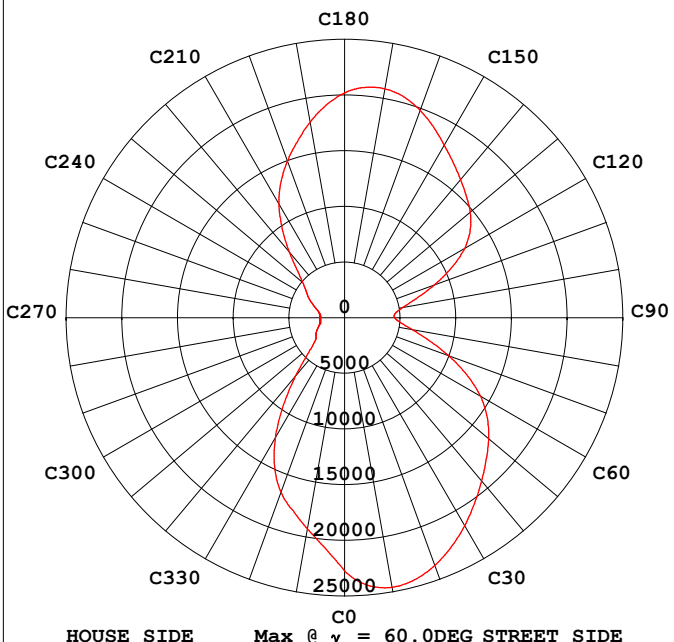
| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 161.39 lm/W | | | |
|---|---|---|---|---|---|
| MODEL | SB10-500W | Imax(cd) | 24364 | η street_up(%) | 0.0 |
| NOMINAL POWER(W) | 400 | LOR(%) | 99.1 | η street_down(%) | 61.1 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 63610 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) | 64210.2 | MAXIMUM @(C,γ ) | 15,60.0 | η house_down(%) | 38.0 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | 76 FLASHAREA(m2) | |
| TEST VOLTAGE(V) | 120 | η down(%) | 99.1 | SLI | |

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS




AVERAGE BEAM ANGLE(50%):119.8 DEG

MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM



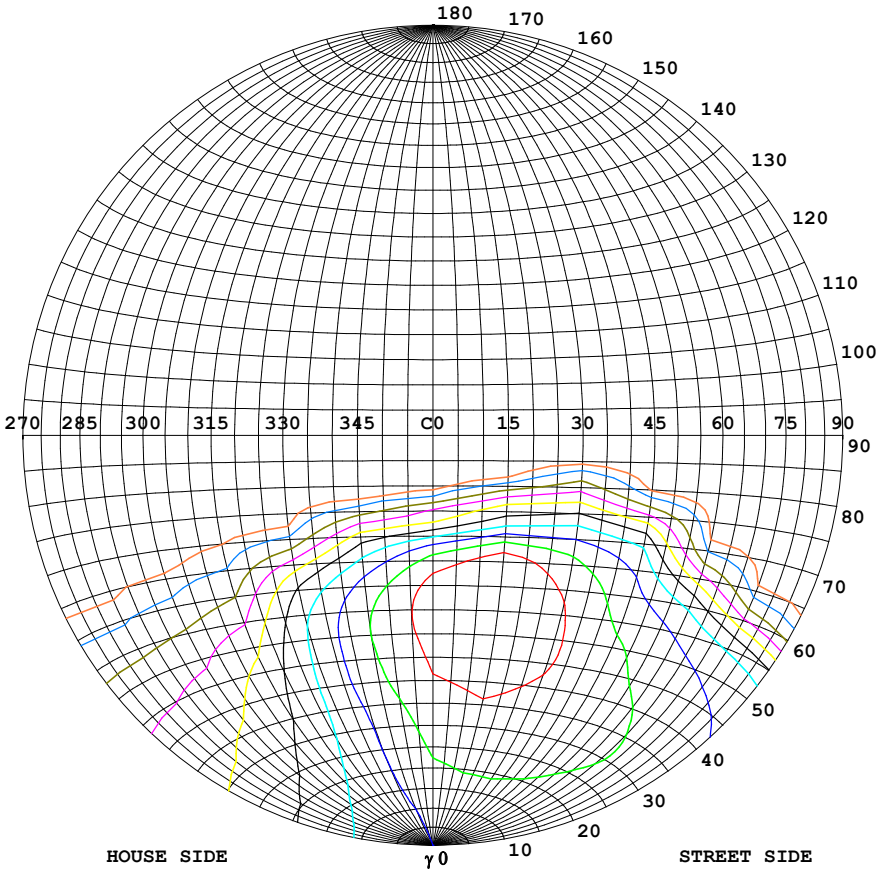

HOUSE SIDE Max @ γ = 60.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |




Classification:

IES:Type III - Short
CIE:Narrow - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:146.5cd/klm
Max.At90:0cd/klm
Max.80-90:146.5cd/klm
NRB 5101:Semi limited[21.4%]

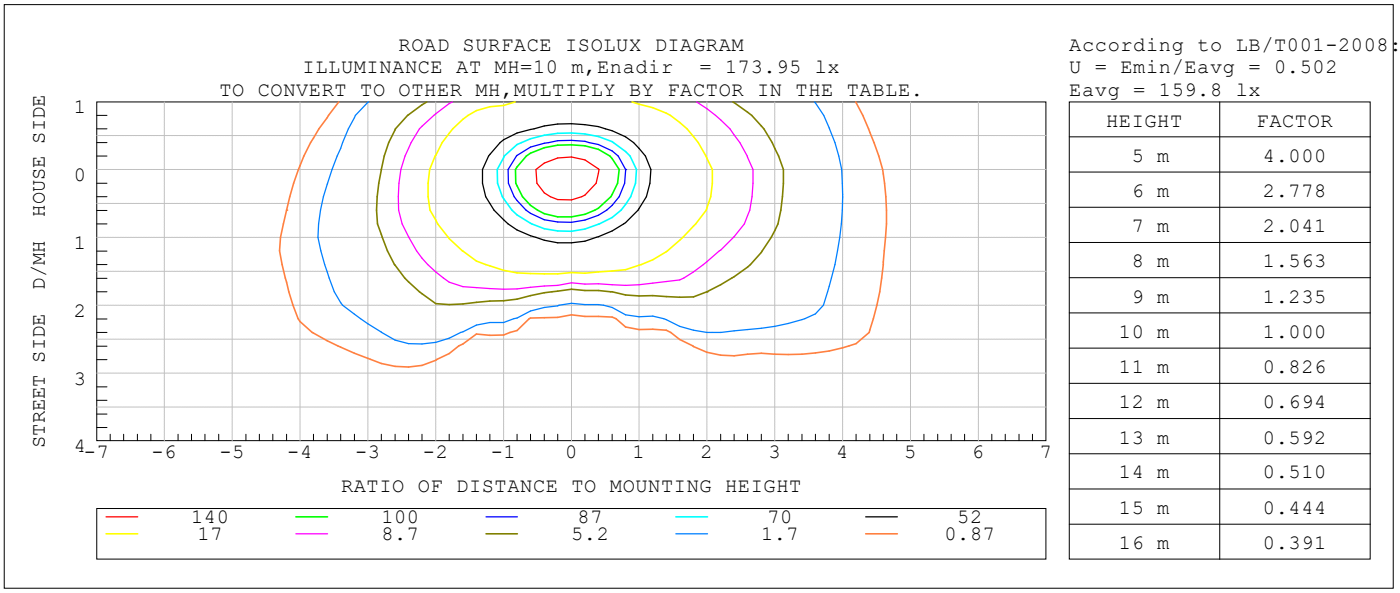
| ISOCANDELA DIAGRAM | |
|---|---|
| UNIT | cd |
| Imax=100% | 24364 |
| 90% | 21927 |
| 80% | 19491 |
| 70% | 17055 |
| 60% | 14618 |
| 50% | 12182 |
| 40% | 9746 |
| 30% | 7309 |
| 20% | 4873 |
| 10% | 2436 |
| 5% | 1218 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

# COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM




According to LB/T001-2008:
U = Emin/Eavg = 0.502
Eavg = 159.8 lx

| HEIGHT | FACTOR |
|---|---|
| 5 m | 4.000 |
| 6 m | 2.778 |
| 7 m | 2.041 |
| 8 m | 1.563 |
| 9 m | 1.235 |
| 10 m | 1.000 |
| 11 m | 0.826 |
| 12 m | 0.694 |
| 13 m | 0.592 |
| 14 m | 0.510 |
| 15 m | 0.444 |
| 16 m | 0.391 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## ZONAL FLUX DIAGRAM

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

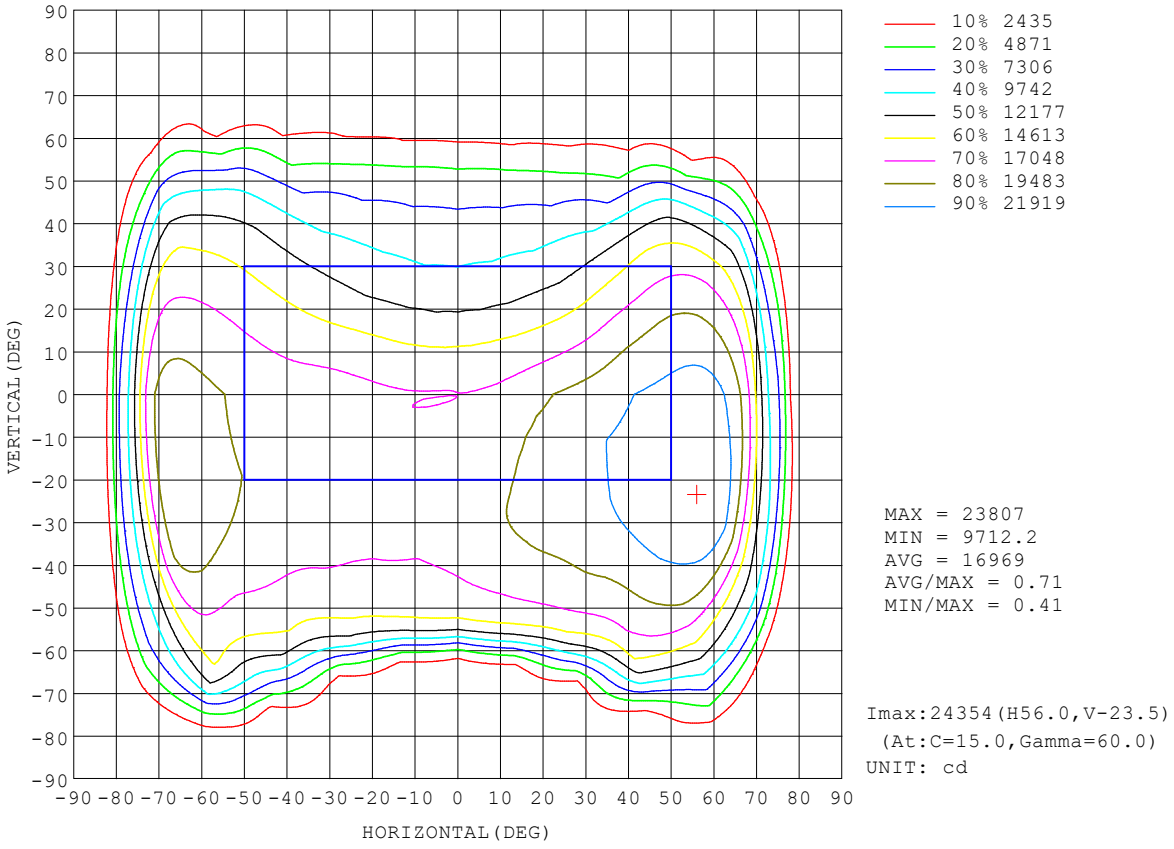
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 1810 | 1840 | 1805 | 1751 | 1721 | 1564 | 1493 | 1593 | 0- 10 | 1622 | 1622 | 2.55,2.53 |
| 20 | 1919 | 1943 | 1839 | 1791 | 1756 | 1399 | 1197 | 1444 | 10- 20 | 4742 | 6364 | 10,9.91 |
| 30 | 2044 | 2046 | 1842 | 1820 | 1807 | 1232 | 971.2 | 1280 | 20- 30 | 7589 | 13953 | 21.9,21.7 |
| 40 | 2178 | 2088 | 1732 | 1826 | 1836 | 1106 | 785.7 | 1147 | 30- 40 | 10086 | 24039 | 37.8,37.4 |
| 50 | 2283 | 2002 | 1568 | 1715 | 1896 | 930.5 | 609.7 | 912.8 | 40- 50 | 11933 | 35972 | 56.6,56 |
| 60 | 2274 | 1800 | 451.4 | 1547 | 2020 | 599.8 | 224.3 | 480.6 | 50- 60 | 12353 | 48325 | 76,75.3 |
| 70 | 1427 | 1409 | 71.50 | 1101 | 2005 | 190.0 | 94.28 | 118.7 | 60- 70 | 9724 | 58048 | 91.3,90.4 |
| 80 | 52.43 | 109.7 | 34.14 | 89.16 | 634.8 | 53.28 | 61.99 | 38.03 | 70- 80 | 4899 | 62947 | 99,98 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80- 90 | 662.3 | 63610 | 100,99.1 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0 | 63610 | 100,99.1 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 63610 | 100,99.1 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 63610 | 100,99.1 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 63610 | 100,99.1 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 63610 | 100,99.1 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0 | 63610 | 100,99.1 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0 | 63610 | 100,99.1 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0 | 63610 | 100,99.1 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0 | 63610 | 100,99.1 |
| DEG | LUMINOUS INTENSITY:X10cd | | | | | | | | | UNIT:lm | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## ISOCANDELA DIAGRAM

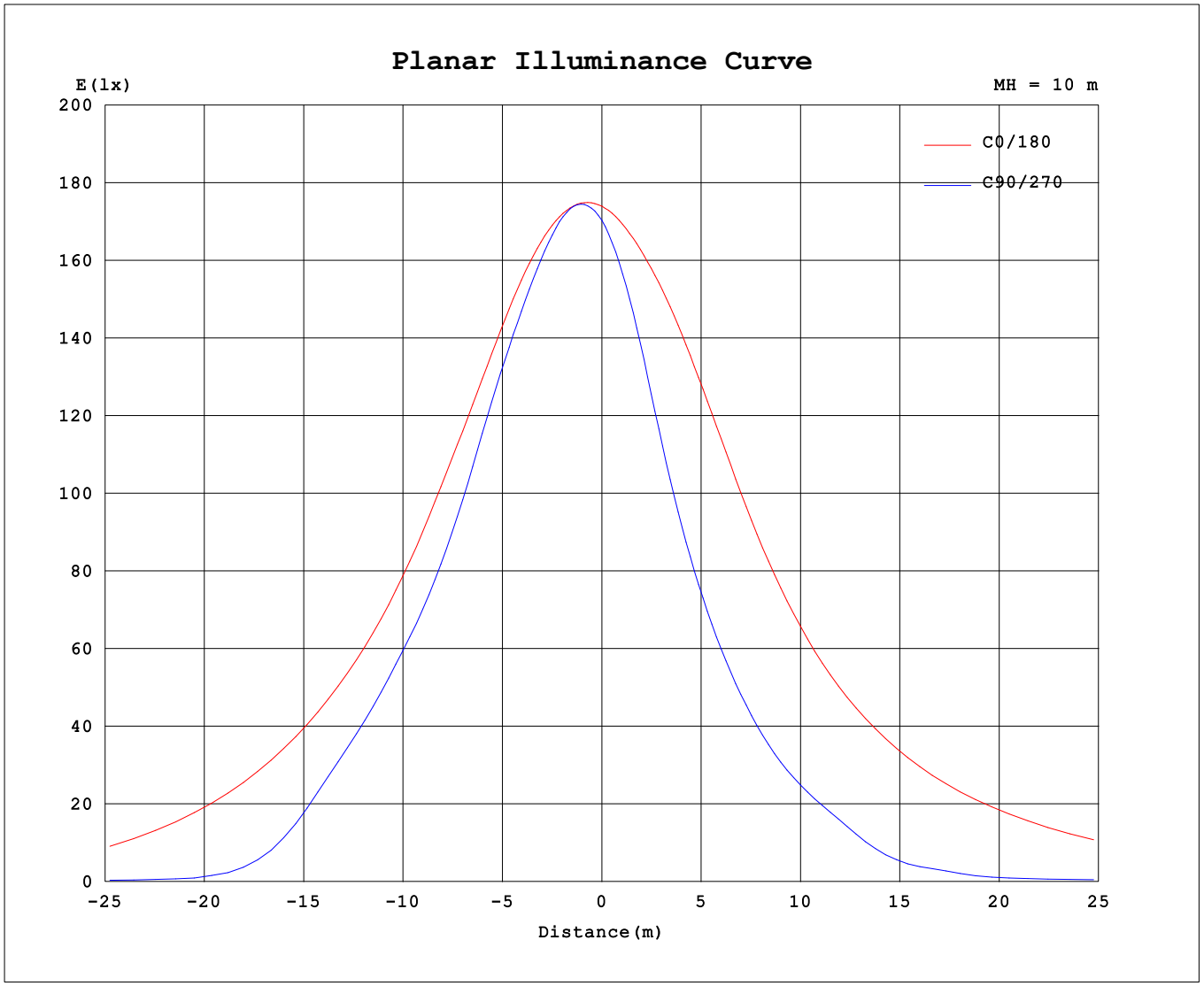
| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |




C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## Planar Illuminance Curve



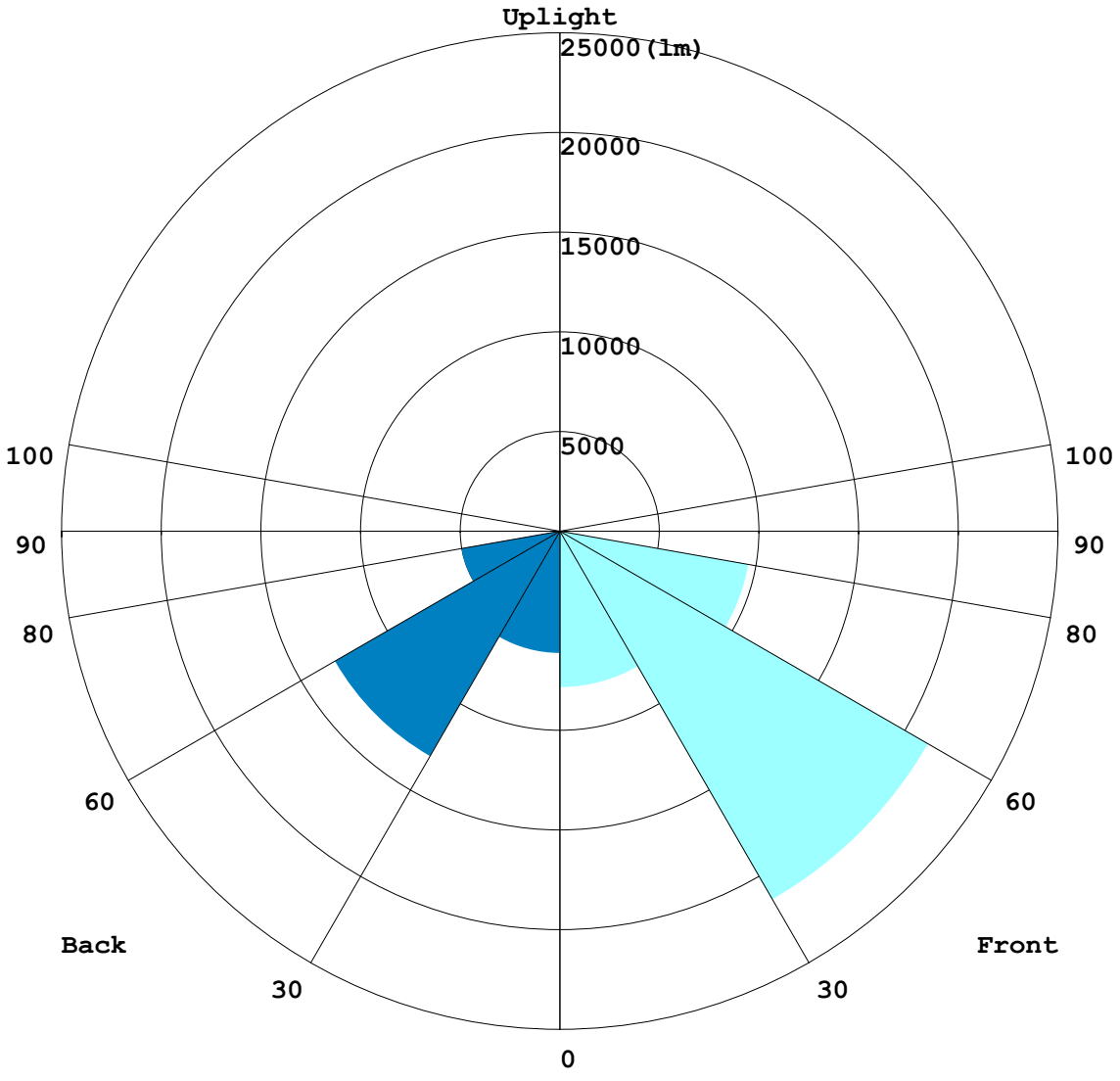

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## LCS REPORT

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

### LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH




C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## BUG REPORT

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

**IESNA Luminaire Flux Distribution Table:**

| Zone | Lumens | Luminaire % |
|---|---|---|
| FL - Front-Low(0-30) | 7830.1 | 12.3 |
| FM - Front-Medium(30-60) | 21333 | 33.5 |
| FH - Front-High(60-80) | 9610.1 | 15.1 |
| FVH - Front-Very High(80-90) | 433.71 | 0.7 |
| Total Forward Light | 39207 | 61.6 |
| BL - Back-Low(0-30) | 6122.7 | 9.6 |
| BM - Back-Medium(30-60) | 13039 | 20.5 |
| BH - Back-High(60-80) | 5012.6 | 7.9 |
| BVH - Back-Very High(80-90) | 228.57 | 0.4 |
| Total Back Light | 24403 | 38.4 |
| UL - Uplight-Low(90-100) | 0 | 0.0 |
| UH - Uplight-High(100-180) | 0 | 0.0 |
| Total Up Light | 0 | 0.0 |
| BUG(Back,Up,Glare) Rating | B5-U0-G5 | |

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|---|---|---|---|
| House Side | 24403 | 0 | 24403 |
| Street Side | 39207 | 0 | 39207 |

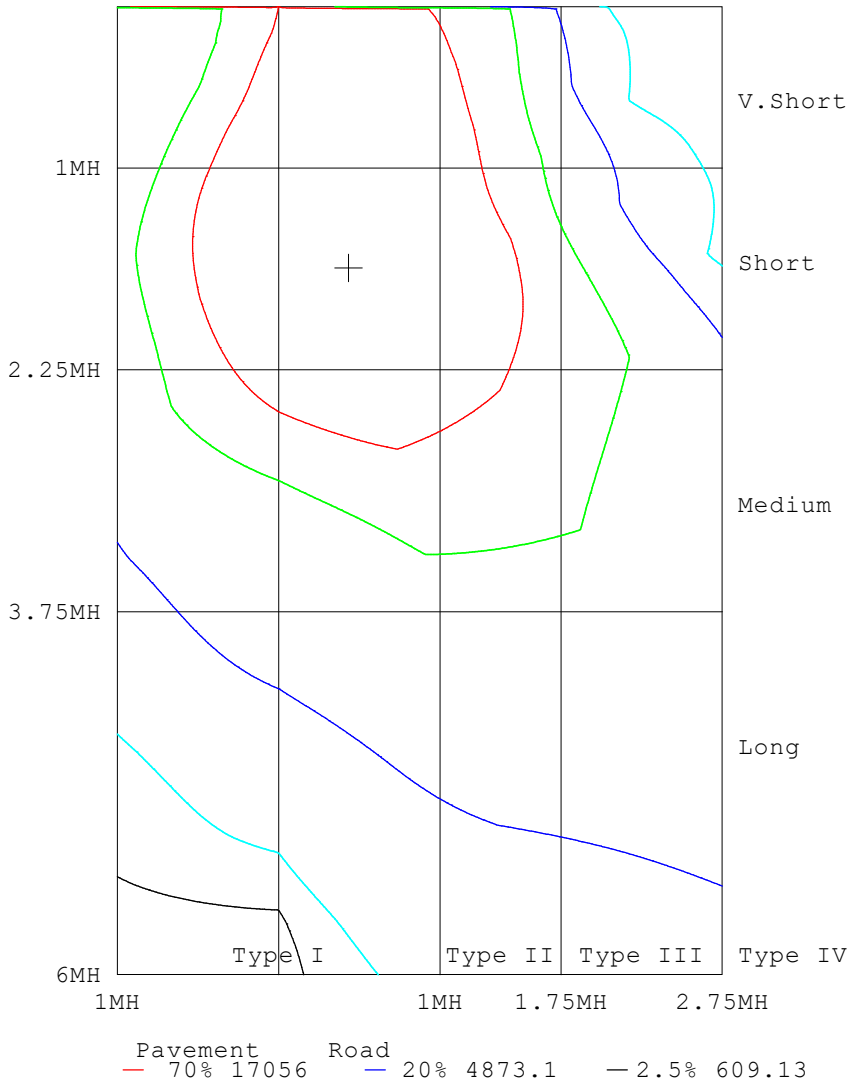
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## ROAD ISOCANDELA REPORT

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM




C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

Table--1 UNIT: X10cd

| γ (DEG) \ C (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1740 | 1731 | 1724 | 1716 | 1712 | 1706 | 1703 | 1697 | 1694 | 1691 | 1689 | 1685 | 1740 | 1731 | 1724 | 1716 | 1712 | 1706 | 1703 |
| 5 | 1769 | 1776 | 1781 | 1781 | 1779 | 1772 | 1764 | 1752 | 1739 | 1723 | 1707 | 1687 | 1723 | 1694 | 1667 | 1643 | 1627 | 1615 | 1613 |
| 10 | 1810 | 1831 | 1840 | 1840 | 1833 | 1821 | 1805 | 1787 | 1769 | 1751 | 1729 | 1700 | 1721 | 1670 | 1616 | 1564 | 1525 | 1497 | 1493 |
| 15 | 1861 | 1893 | 1902 | 1894 | 1875 | 1853 | 1827 | 1805 | 1789 | 1773 | 1754 | 1722 | 1733 | 1661 | 1574 | 1484 | 1408 | 1356 | 1345 |
| 20 | 1919 | 1961 | 1966 | 1943 | 1910 | 1873 | 1839 | 1814 | 1799 | 1791 | 1778 | 1752 | 1756 | 1662 | 1537 | 1399 | 1289 | 1214 | 1197 |
| 25 | 1982 | 2032 | 2029 | 1994 | 1945 | 1893 | 1849 | 1822 | 1810 | 1806 | 1803 | 1782 | 1783 | 1664 | 1493 | 1313 | 1176 | 1093 | 1076 |
| 30 | 2044 | 2101 | 2088 | 2046 | 1983 | 1905 | 1842 | 1819 | 1821 | 1820 | 1820 | 1811 | 1807 | 1660 | 1445 | 1232 | 1085 | 993 | 971 |
| 35 | 2111 | 2174 | 2141 | 2079 | 1992 | 1877 | 1790 | 1777 | 1807 | 1831 | 1838 | 1835 | 1823 | 1646 | 1398 | 1169 | 1009 | 905 | 878 |
| 40 | 2178 | 2234 | 2178 | 2088 | 1954 | 1796 | 1732 | 1695 | 1753 | 1826 | 1850 | 1856 | 1836 | 1635 | 1365 | 1106 | 924 | 816 | 786 |
| 45 | 2230 | 2288 | 2208 | 2064 | 1863 | 1735 | 1686 | 1643 | 1653 | 1791 | 1854 | 1878 | 1860 | 1641 | 1335 | 1030 | 824 | 730 | 705 |
| 50 | 2283 | 2352 | 2223 | 2002 | 1780 | 1664 | 1568 | 1570 | 1586 | 1715 | 1853 | 1913 | 1896 | 1651 | 1305 | 931 | 720 | 645 | 610 |
| 55 | 2319 | 2410 | 2214 | 1896 | 1676 | 1431 | 1226 | 1338 | 1503 | 1619 | 1838 | 1974 | 1953 | 1655 | 1263 | 791 | 595 | 447 | 370 |
| 60 | 2274 | 2436 | 2158 | 1800 | 1410 | 782 | 451 | 664 | 1246 | 1547 | 1791 | 2055 | 2020 | 1639 | 1183 | 600 | 380 | 249 | 224 |
| 65 | 2049 | 2341 | 2018 | 1669 | 853 | 171 | 103 | 141 | 659 | 1425 | 1704 | 2138 | 2079 | 1576 | 1013 | 372 | 219 | 115 | 113 |
| 70 | 1427 | 1803 | 1704 | 1409 | 233 | 71.3 | 71.5 | 72.6 | 175 | 1101 | 1603 | 2066 | 2005 | 1436 | 639 | 190 | 90.0 | 85.7 | 94.3 |
| 75 | 765 | 1133 | 1223 | 795 | 62.6 | 55.3 | 52.8 | 56.9 | 59.1 | 567 | 1511 | 1468 | 1354 | 1001 | 173 | 88.6 | 63.0 | 68.1 | 84.5 |
| 80 | 52.4 | 342 | 638 | 110 | 37.0 | 36.0 | 34.1 | 37.5 | 38.4 | 89.2 | 941 | 815 | 635 | 259 | 73.0 | 53.3 | 41.5 | 50.2 | 62.0 |
| 85 | 15.9 | 50.8 | 70.5 | 20.1 | 18.9 | 17.7 | 17.1 | 19.2 | 21.8 | 25.4 | 148 | 145 | 64.4 | 101 | 21.1 | 28.7 | 23.2 | 41.4 | 48.5 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|---|---|
| Test:U:120.61V I:3.2721A P:394.13W PF:0.9987 Freq:60.01Hz<br>UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:64210.2x1 lm | | |
| NAME: SB10-500W | TYPE: 400W | WEIGHT: |
| SPEC.: 5000K | DIM.: | SERIAL No.: 1 |
| MFR.: | SUR.: 0.31*0.42 | Shielding Angle: |

Table--2 UNIT: X10cd

| γ (DEG) \ C (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1697 | 1694 | 1691 | 1689 | 1685 | | | | | | | | | | | | | | |
| 5 | 1616 | 1630 | 1648 | 1671 | 1691 | | | | | | | | | | | | | | |
| 10 | 1508 | 1544 | 1593 | 1651 | 1705 | | | | | | | | | | | | | | |
| 15 | 1369 | 1436 | 1526 | 1632 | 1728 | | | | | | | | | | | | | | |
| 20 | 1228 | 1315 | 1444 | 1604 | 1751 | | | | | | | | | | | | | | |
| 25 | 1112 | 1204 | 1357 | 1570 | 1774 | | | | | | | | | | | | | | |
| 30 | 1012 | 1111 | 1280 | 1536 | 1802 | | | | | | | | | | | | | | |
| 35 | 917 | 1023 | 1214 | 1519 | 1845 | | | | | | | | | | | | | | |
| 40 | 819 | 921 | 1147 | 1518 | 1902 | | | | | | | | | | | | | | |
| 45 | 725 | 806 | 1054 | 1510 | 1932 | | | | | | | | | | | | | | |
| 50 | 626 | 687 | 913 | 1490 | 1950 | | | | | | | | | | | | | | |
| 55 | 402 | 522 | 710 | 1421 | 1921 | | | | | | | | | | | | | | |
| 60 | 233 | 300 | 481 | 1246 | 1793 | | | | | | | | | | | | | | |
| 65 | 106 | 158 | 260 | 846 | 1519 | | | | | | | | | | | | | | |
| 70 | 83.5 | 76.4 | 119 | 291 | 1079 | | | | | | | | | | | | | | |
| 75 | 67.6 | 56.0 | 66.8 | 72.0 | 380 | | | | | | | | | | | | | | |
| 80 | 55.8 | 37.9 | 38.0 | 37.3 | 53.7 | | | | | | | | | | | | | | |
| 85 | 44.1 | 19.7 | 17.7 | 15.4 | 19.2 | | | | | | | | | | | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2024-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Humidity:65.0%
Test Distance:9.630m [K=1.0000]
Remarks: