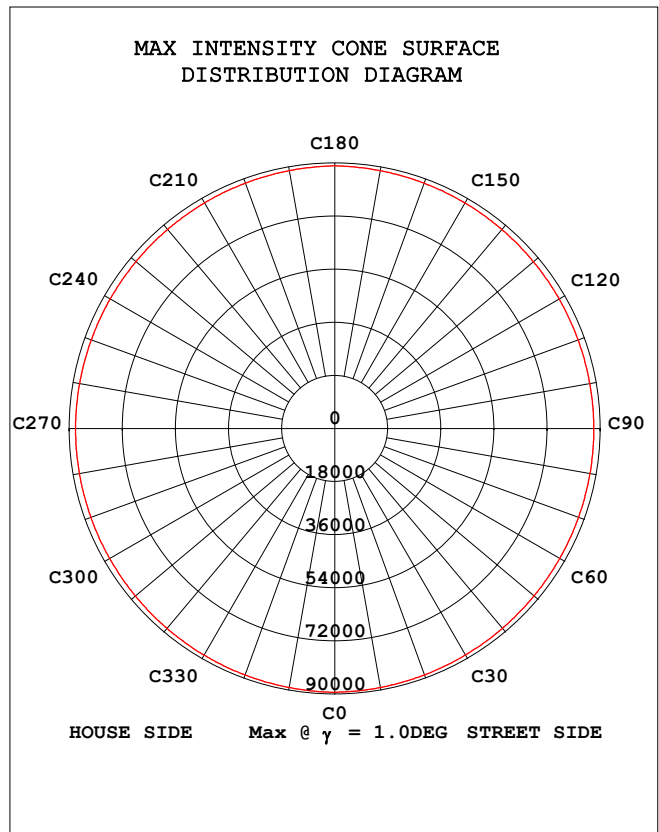
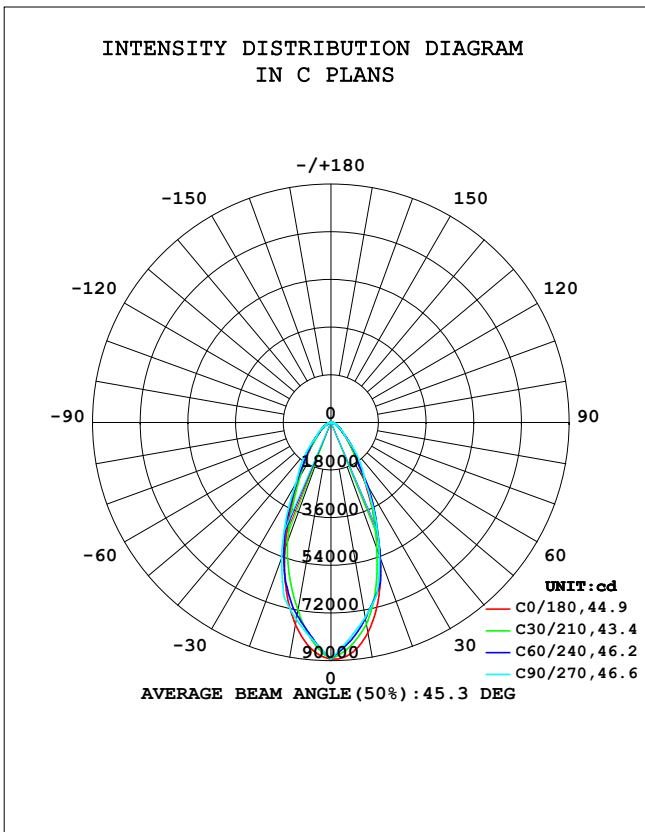


STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 133.94 lm/W | | | |
|-------------------|---------------------|-----------------------------------|-------|-------------------|---------|
| MODEL | ASD-SPFL-500D50-PRM | I _{max} (cd) | 89388 | η street_up (%) | 0.0 |
| NOMINAL POWER (W) | 500 | LOR (%) | 100.0 | η street_down (%) | 49.8 |
| RATED VOLTAGE (V) | 277 | TOTAL FLUX (lm) | 67827 | η house_up (%) | 0.0 |
| NOMINAL FLUX (lm) | 67827.5 | MAXIMUM @ (C, γ) | 0,1.0 | η house_down (%) | 50.2 |
| LAMPS INSIDE | 1 | η up (%) | 0.0 | 76 FLASHAREA (m2) | 0.00100 |
| TEST VOLTAGE (V) | 277 | η down (%) | 100.0 | SLI | 20.704 |

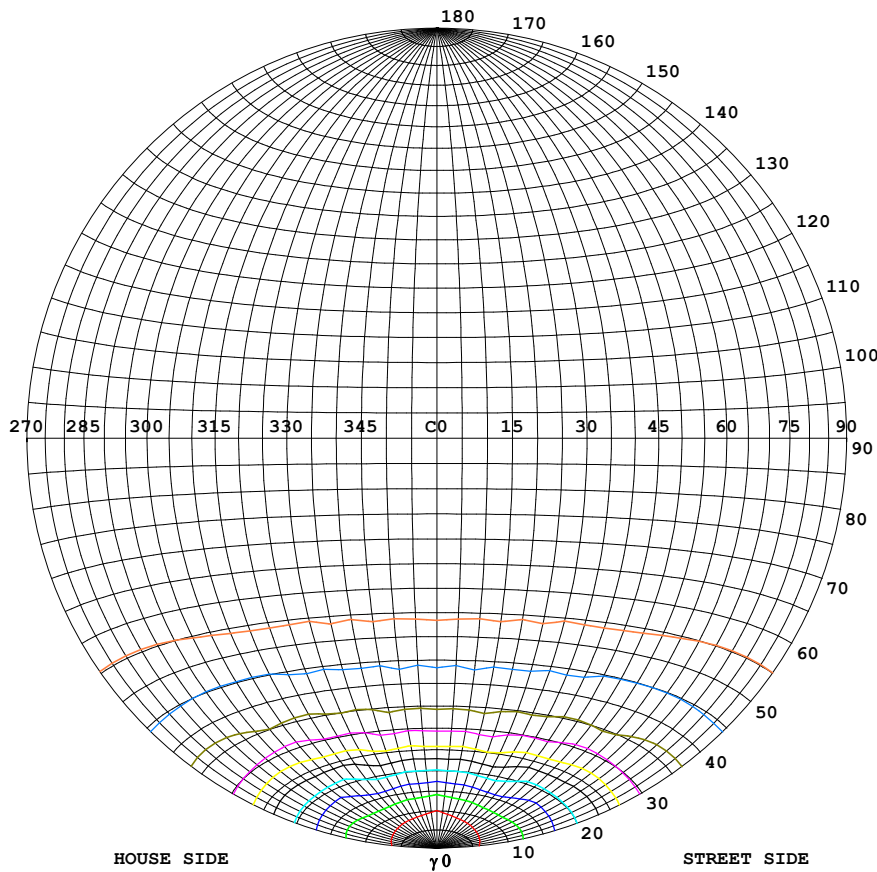


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |



Classification:

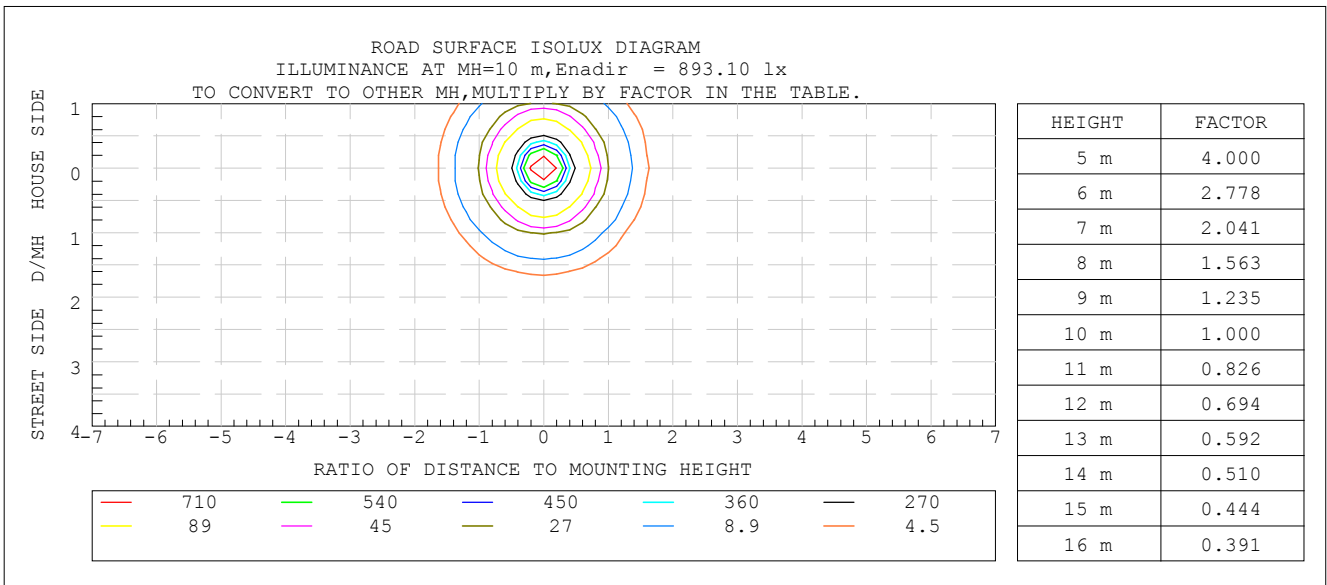
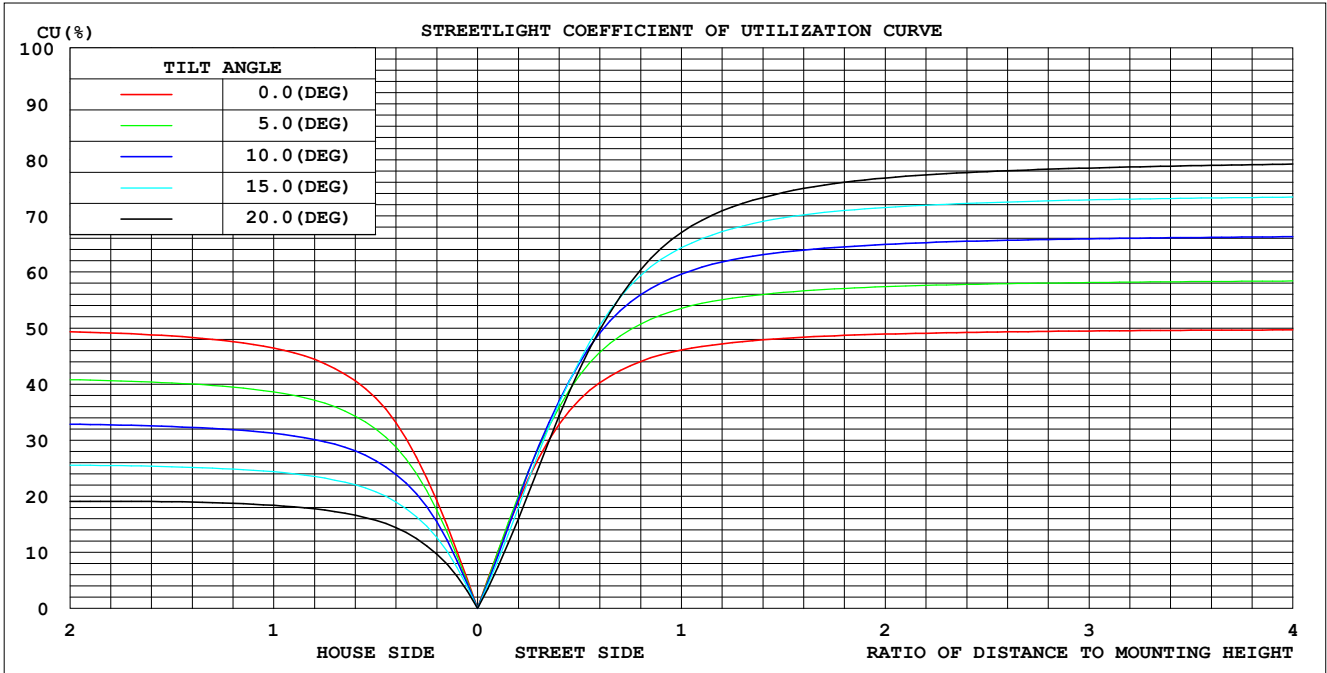
IES:Type V - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:10.18cd/klm
 Max.At90:0.1243cd/klm
 Max.80-90:10.18cd/klm

| ISOCANDELA DIAGRAM | |
|------------------------|-------|
| UNIT | cd |
| I _{max} =100% | 89388 |
| 90% | 80450 |
| 80% | 71511 |
| 70% | 62572 |
| 60% | 53633 |
| 50% | 44694 |
| 40% | 35755 |
| 30% | 26817 |
| 20% | 17878 |
| 10% | 8939 |
| 5% | 4469 |

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:07 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

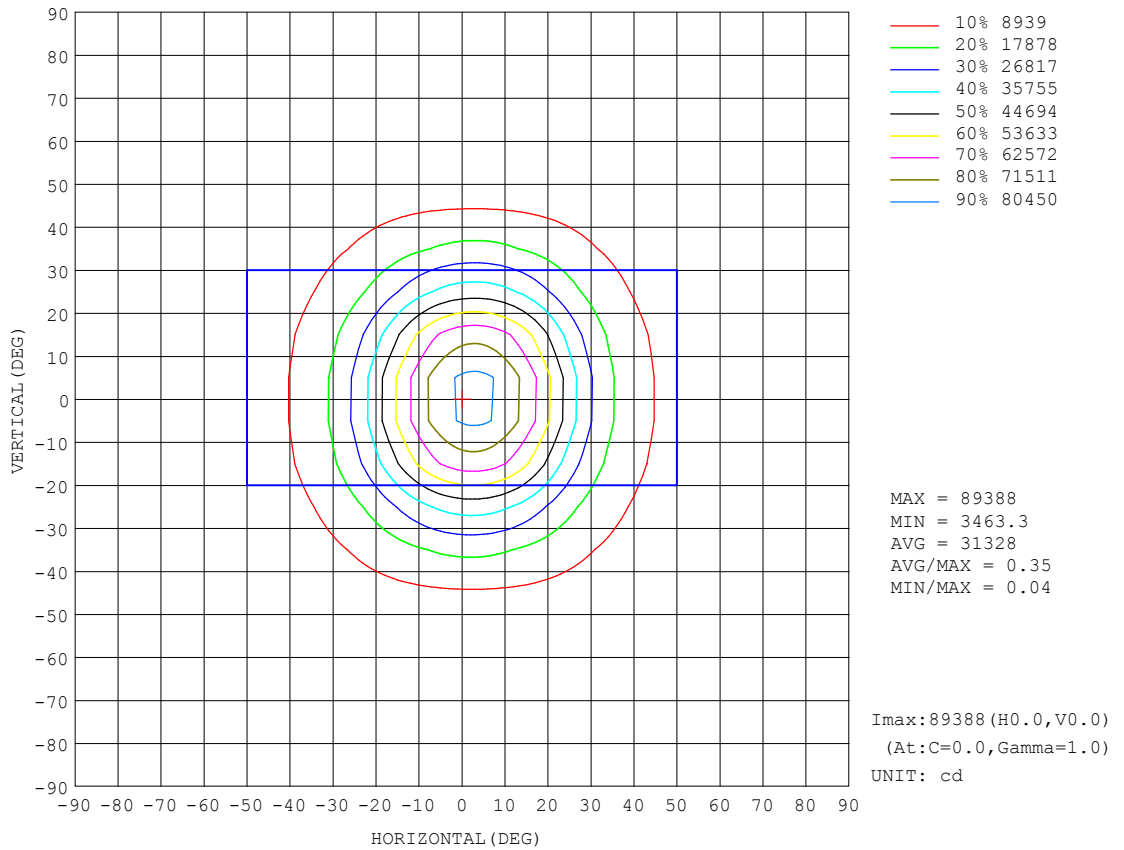
| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|----------|--------------------------|-------|-------|-------|--------|-------|-------|-------|----------|-------------|--------------|-----------|
| 10 | 8057 | 7579 | 7475 | 7240 | 7744 | 7269 | 7552 | 7644 | 0- 10 | 7698 | 7698 | 11.3,11.3 |
| 20 | 5431 | 5491 | 5365 | 4959 | 5080 | 4934 | 5446 | 5637 | 10- 20 | 17961 | 25659 | 37.8,37.8 |
| 30 | 2529 | 2710 | 2601 | 2591 | 2438 | 2530 | 2615 | 2822 | 20- 30 | 17361 | 43019 | 63.4,63.4 |
| 40 | 1142 | 1166 | 1399 | 1156 | 1111 | 1127 | 1409 | 1214 | 30- 40 | 11215 | 54235 | 80,80 |
| 50 | 566.2 | 591.8 | 623.7 | 573.9 | 547.9 | 585.5 | 631.6 | 598.7 | 40- 50 | 6525 | 60760 | 89.6,89.6 |
| 60 | 281.2 | 300.4 | 274.3 | 286.3 | 281.2 | 303.3 | 282.9 | 300.1 | 50- 60 | 3764 | 64524 | 95.1,95.1 |
| 70 | 146.3 | 151.4 | 159.8 | 145.1 | 150.1 | 151.6 | 164.8 | 155.7 | 60- 70 | 2111 | 66635 | 98.2,98.2 |
| 80 | 58.75 | 55.20 | 0 | 53.04 | 61.48 | 53.73 | 0 | 58.18 | 70- 80 | 1068 | 67703 | 99.8,99.8 |
| 90 | 0.8434 | 0 | 0 | 0 | 0.7319 | 0 | 0 | 0 | 80- 90 | 124.3 | 67827 | 100,100 |
| 100 | | | | | | | | | 90-100 | | | |
| 110 | | | | | | | | | 100-110 | | | |
| 120 | | | | | | | | | 110-120 | | | |
| 130 | | | | | | | | | 120-130 | | | |
| 140 | | | | | | | | | 130-140 | | | |
| 150 | | | | | | | | | 140-150 | | | |
| 160 | | | | | | | | | 150-160 | | | |
| 170 | | | | | | | | | 160-170 | | | |
| 180 | | | | | | | | | 170-180 | | | |
| DEG | LUMINOUS INTENSITY:×10cd | | | | | | | | | UNIT:lm | | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

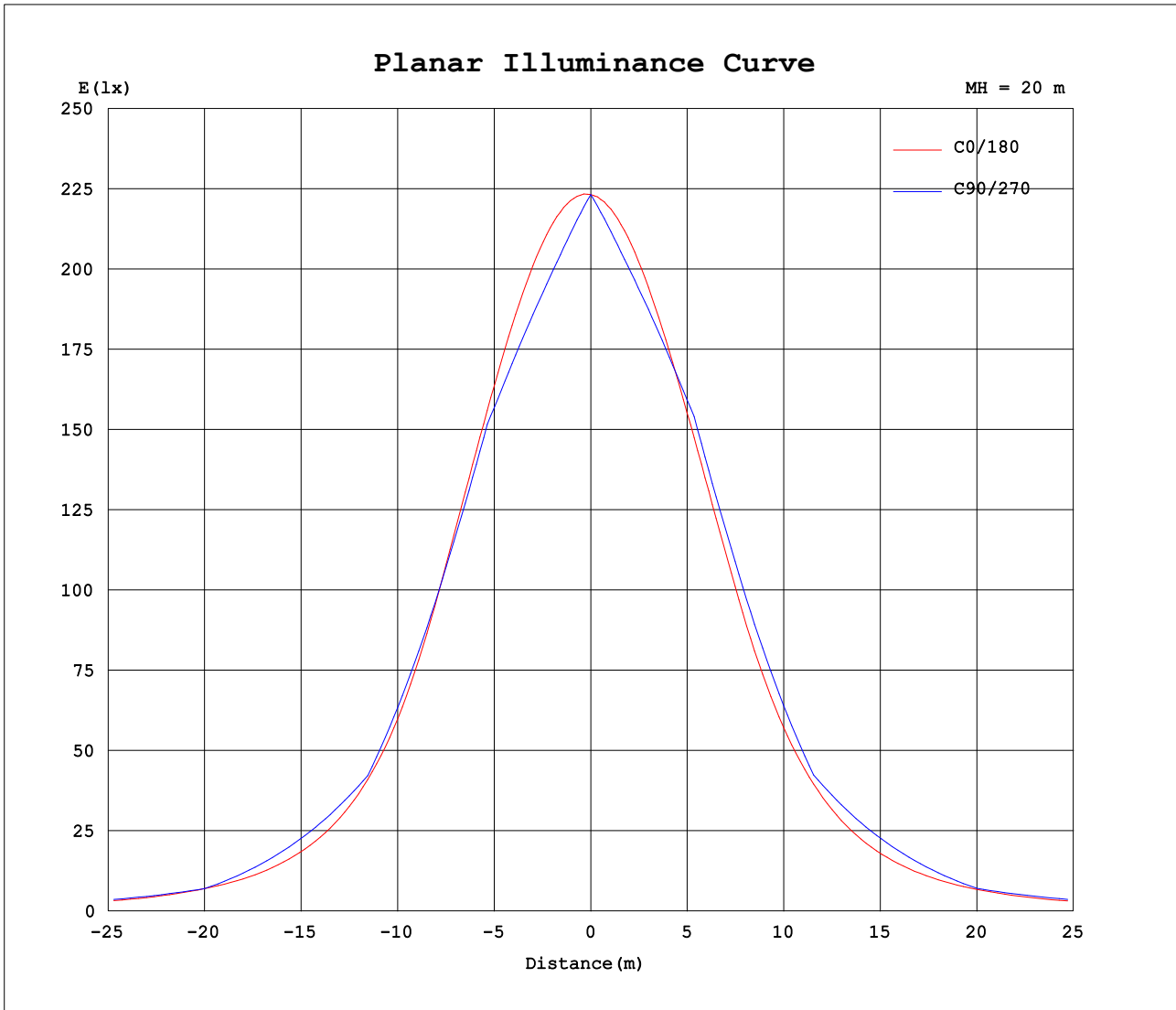
| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:07 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



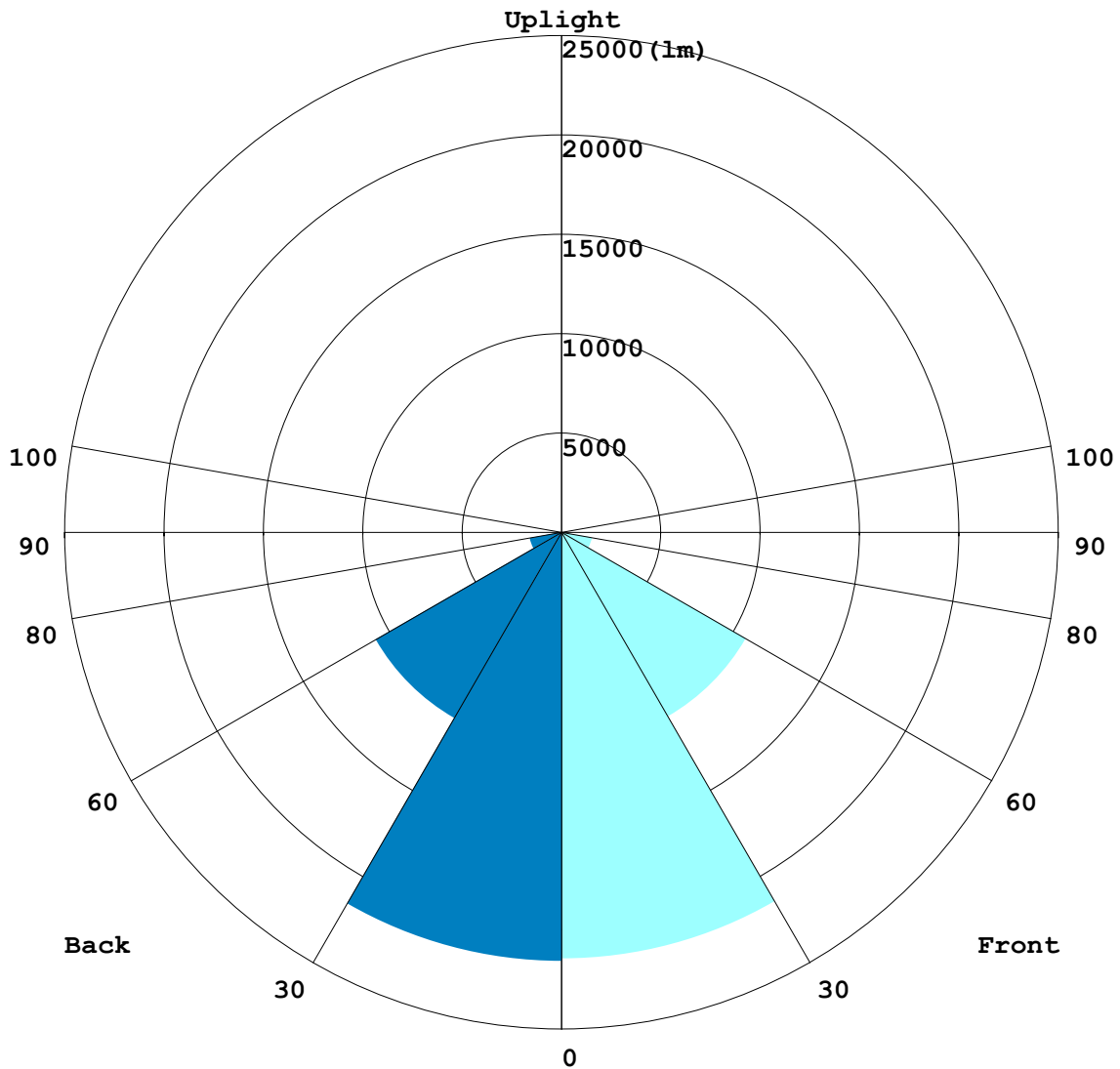
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LCS REPORT

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

BUG REPORT

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

IESNA Luminaire Flux Distribution Table:

| Zone | Lumens | Luminaire % |
|------------------------------|--------------|-------------|
| FL - Front-Low(0-30) | 21440 | 31.6 |
| FM - Front-Medium(30-60) | 10706 | 15.8 |
| FH - Front-High(60-80) | 1566 | 2.3 |
| FVH - Front-Very High(80-90) | 60.44 | 0.1 |
| Total Forward Light | 33773 | 49.8 |

| | | |
|-----------------------------|--------------|-------------|
| BL - Back-Low(0-30) | 21579 | 31.8 |
| BM - Back-Medium(30-60) | 10798 | 15.9 |
| BH - Back-High(60-80) | 1613.4 | 2.4 |
| BVH - Back-Very High(80-90) | 63.896 | 0.1 |
| Total Back Light | 34054 | 50.2 |

| | | |
|----------------------------|----------|------------|
| 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-G1 |
|----------------------------------|-----------------|

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|-------------|-----------------|---------------|--------------|
| House Side | 34054 | 0 | 34054 |
| Street Side | 33773 | 0 | 33773 |

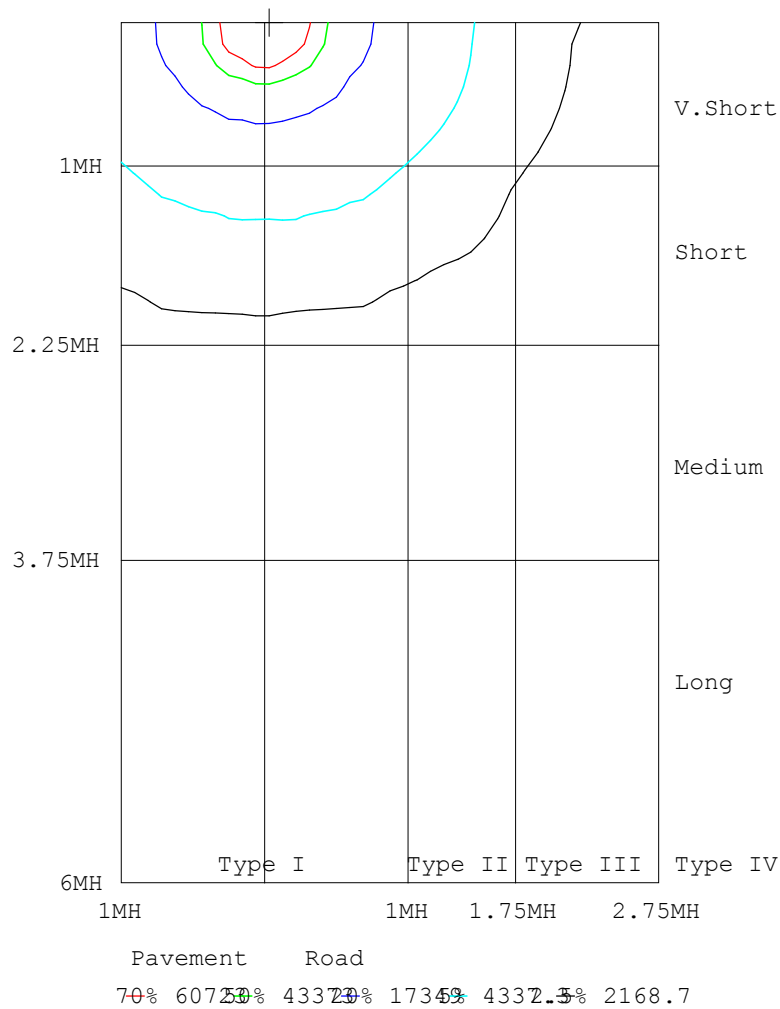
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

ROAD SURFACE ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:07 January 2020

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

Table--1

UNIT: ×10cd

| C (DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|--------------------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 |
| 5 | 8754 | 8698 | 8646 | 8598 | 8552 | 8511 | 8473 | 8439 | 8406 | 8375 | 8347 | 8321 | 8295 | 8273 | 8250 | 8229 | 8211 | 8192 | 8178 |
| 10 | 8057 | 7972 | 7901 | 7842 | 7795 | 7760 | 7728 | 7666 | 7616 | 7579 | 7549 | 7529 | 7517 | 7506 | 7498 | 7493 | 7489 | 7483 | 7475 |
| 15 | 6923 | 6833 | 6770 | 6735 | 6702 | 6598 | 6526 | 6479 | 6457 | 6506 | 6571 | 6630 | 6683 | 6726 | 6756 | 6770 | 6769 | 6754 | 6728 |
| 20 | 5431 | 5367 | 5349 | 5328 | 5187 | 5088 | 5063 | 5193 | 5338 | 5491 | 5540 | 5502 | 5469 | 5439 | 5416 | 5399 | 5384 | 5373 | 5365 |
| 25 | 3799 | 3790 | 3838 | 3721 | 3603 | 3638 | 3800 | 3991 | 3972 | 3956 | 3943 | 3991 | 4037 | 4059 | 4061 | 4049 | 4028 | 4002 | 3975 |
| 30 | 2529 | 2546 | 2555 | 2436 | 2434 | 2579 | 2654 | 2620 | 2613 | 2710 | 2796 | 2839 | 2803 | 2754 | 2701 | 2655 | 2623 | 2604 | 2601 |
| 35 | 1680 | 1709 | 1676 | 1606 | 1712 | 1751 | 1702 | 1746 | 1825 | 1839 | 1794 | 1715 | 1776 | 1851 | 1914 | 1961 | 1991 | 2003 | 1998 |
| 40 | 1142 | 1175 | 1124 | 1141 | 1193 | 1141 | 1180 | 1220 | 1187 | 1166 | 1229 | 1292 | 1330 | 1353 | 1371 | 1384 | 1392 | 1397 | 1399 |
| 45 | 796 | 827 | 772 | 833 | 800 | 817 | 832 | 800 | 836 | 877 | 884 | 884 | 887 | 887 | 875 | 854 | 830 | 809 | 797 |
| 50 | 566 | 582 | 566 | 581 | 572 | 587 | 574 | 601 | 601 | 592 | 598 | 589 | 586 | 596 | 605 | 613 | 620 | 623 | 624 |
| 55 | 397 | 404 | 415 | 394 | 416 | 405 | 427 | 413 | 414 | 414 | 422 | 429 | 437 | 444 | 449 | 452 | 452 | 451 | 448 |
| 60 | 281 | 280 | 290 | 291 | 283 | 296 | 287 | 292 | 295 | 300 | 311 | 316 | 313 | 307 | 299 | 290 | 282 | 277 | 274 |
| 65 | 203 | 199 | 198 | 202 | 209 | 205 | 208 | 208 | 217 | 218 | 213 | 207 | 210 | 213 | 216 | 217 | 218 | 218 | 217 |
| 70 | 146 | 149 | 150 | 150 | 148 | 146 | 151 | 151 | 147 | 151 | 156 | 158 | 159 | 159 | 160 | 160 | 160 | 160 | 160 |
| 75 | 98.2 | 99.9 | 101 | 102 | 100.0 | 102 | 102 | 106 | 105 | 105 | 105 | 106 | 107 | 106 | 106 | 105 | 104 | 103 | 103 |
| 80 | 58.7 | 62.6 | 62.9 | 63.2 | 62.7 | 66.6 | 65.3 | 64.5 | 64.3 | 55.2 | 44.5 | 34.9 | 26.3 | 18.6 | 12.1 | 6.86 | 3.06 | 0.77 | 0.00 |
| 85 | 20.9 | 22.9 | 24.4 | 24.5 | 28.3 | 15.3 | 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 |
| 90 | 0.84 | 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 |
| | | | | | | | | | | | | | | | | | | | |
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| | |
|---------------------------|---|
| H(β) Range:-90 - 90DEG | V(B) Range:-75 - 75DEG |
| H(β) Interval: 1.0DEG | V(B) Interval: 5.0DEG |
| Test Speed: HIGH | Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416 |
| Temperature:25.3DEG | Humidity:65.0% |
| Operators:S | Test Distance:8.000m [K=1.0000] |
| Test Date:07 January 2020 | Remarks: |

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

Table--2

UNIT: ×10cd

| C (DEG) γ (DEG) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 |
| 5 | 8161 | 8151 | 8140 | 8134 | 8133 | 8132 | 8139 | 8149 | 8165 | 8187 | 8215 | 8247 | 8287 | 8333 | 8386 | 8445 | 8510 | 8579 | 8512 |
| 10 | 7461 | 7444 | 7422 | 7397 | 7369 | 7339 | 7305 | 7271 | 7240 | 7209 | 7187 | 7171 | 7222 | 7290 | 7377 | 7482 | 7605 | 7744 | 7606 |
| 15 | 6686 | 6636 | 6579 | 6518 | 6454 | 6392 | 6336 | 6289 | 6256 | 6219 | 6132 | 6057 | 5994 | 5953 | 6035 | 6173 | 6344 | 6548 | 6341 |
| 20 | 5352 | 5336 | 5315 | 5284 | 5242 | 5189 | 5121 | 5043 | 4959 | 4891 | 4852 | 4842 | 4737 | 4625 | 4543 | 4650 | 4842 | 5080 | 4834 |
| 25 | 3949 | 3927 | 3910 | 3898 | 3889 | 3879 | 3868 | 3831 | 3717 | 3599 | 3488 | 3457 | 3452 | 3393 | 3265 | 3214 | 3382 | 3597 | 3372 |
| 30 | 2607 | 2621 | 2635 | 2647 | 2646 | 2628 | 2588 | 2586 | 2591 | 2590 | 2496 | 2394 | 2345 | 2354 | 2291 | 2188 | 2268 | 2438 | 2259 |
| 35 | 1979 | 1949 | 1911 | 1867 | 1821 | 1771 | 1728 | 1722 | 1690 | 1672 | 1696 | 1685 | 1601 | 1571 | 1593 | 1505 | 1508 | 1634 | 1502 |
| 40 | 1396 | 1387 | 1369 | 1341 | 1302 | 1254 | 1209 | 1183 | 1156 | 1133 | 1096 | 1112 | 1127 | 1069 | 1069 | 1052 | 1018 | 1111 | 1016 |
| 45 | 797 | 809 | 828 | 849 | 864 | 872 | 862 | 830 | 791 | 783 | 776 | 746 | 751 | 761 | 729 | 752 | 702 | 771 | 704 |
| 50 | 620 | 612 | 599 | 582 | 562 | 540 | 541 | 565 | 574 | 551 | 531 | 540 | 521 | 528 | 524 | 527 | 507 | 548 | 511 |
| 55 | 445 | 441 | 437 | 432 | 425 | 418 | 408 | 391 | 371 | 384 | 389 | 373 | 382 | 366 | 385 | 371 | 370 | 394 | 374 |
| 60 | 275 | 279 | 285 | 289 | 293 | 293 | 291 | 290 | 286 | 275 | 262 | 276 | 266 | 272 | 262 | 267 | 271 | 281 | 274 |
| 65 | 216 | 214 | 212 | 210 | 207 | 204 | 200 | 202 | 202 | 201 | 202 | 195 | 197 | 192 | 197 | 200 | 201 | 205 | 203 |
| 70 | 159 | 159 | 158 | 157 | 156 | 153 | 149 | 146 | 145 | 145 | 144 | 143 | 145 | 141 | 138 | 139 | 143 | 150 | 144 |
| 75 | 102 | 103 | 104 | 104 | 105 | 105 | 104 | 104 | 103 | 102 | 100 | 101 | 98.4 | 98.7 | 96.4 | 96.7 | 98.4 | 103 | 99.8 |
| 80 | 0.76 | 3.04 | 6.78 | 11.9 | 18.3 | 25.7 | 34.0 | 43.2 | 53.0 | 62.4 | 64.8 | 65.6 | 61.9 | 59.4 | 58.1 | 56.6 | 56.0 | 61.5 | 57.7 |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 22.7 | 24.5 | 23.6 | 18.8 | 29.3 | 21.8 |
| 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 | 0.73 | 0.00 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

Table--3

UNIT: ×10cd

| C (DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 |
| 5 | 8450 | 8393 | 8342 | 8298 | 8261 | 8231 | 8205 | 8185 | 8172 | 8164 | 8159 | 8162 | 8165 | 8173 | 8185 | 8197 | 8215 | 8229 | 8248 |
| 10 | 7485 | 7381 | 7296 | 7231 | 7184 | 7204 | 7233 | 7269 | 7306 | 7346 | 7387 | 7423 | 7456 | 7487 | 7513 | 7535 | 7552 | 7562 | 7569 |
| 15 | 6167 | 6026 | 5943 | 5987 | 6053 | 6135 | 6230 | 6274 | 6316 | 6372 | 6439 | 6513 | 6589 | 6661 | 6728 | 6788 | 6838 | 6871 | 6890 |
| 20 | 4634 | 4520 | 4597 | 4704 | 4808 | 4817 | 4859 | 4934 | 5030 | 5123 | 5205 | 5271 | 5324 | 5366 | 5397 | 5423 | 5446 | 5465 | 5485 |
| 25 | 3194 | 3235 | 3352 | 3402 | 3397 | 3421 | 3537 | 3662 | 3787 | 3835 | 3856 | 3875 | 3893 | 3915 | 3942 | 3977 | 4016 | 4057 | 4100 |
| 30 | 2169 | 2261 | 2313 | 2292 | 2334 | 2434 | 2528 | 2530 | 2527 | 2531 | 2575 | 2599 | 2608 | 2606 | 2603 | 2603 | 2615 | 2639 | 2676 |
| 35 | 1492 | 1571 | 1540 | 1563 | 1644 | 1653 | 1628 | 1641 | 1667 | 1670 | 1717 | 1774 | 1829 | 1882 | 1931 | 1973 | 2005 | 2025 | 2028 |
| 40 | 1046 | 1059 | 1055 | 1111 | 1096 | 1079 | 1109 | 1127 | 1152 | 1178 | 1226 | 1278 | 1322 | 1357 | 1382 | 1398 | 1409 | 1416 | 1417 |
| 45 | 753 | 731 | 762 | 753 | 749 | 776 | 781 | 788 | 824 | 855 | 869 | 865 | 853 | 835 | 818 | 806 | 805 | 816 | 838 |
| 50 | 534 | 533 | 540 | 534 | 554 | 545 | 563 | 586 | 578 | 558 | 557 | 577 | 595 | 610 | 621 | 628 | 632 | 631 | 626 |
| 55 | 379 | 396 | 380 | 399 | 390 | 406 | 403 | 392 | 410 | 424 | 433 | 438 | 443 | 447 | 451 | 454 | 457 | 459 | 460 |
| 60 | 273 | 270 | 284 | 279 | 290 | 278 | 292 | 303 | 306 | 305 | 305 | 303 | 299 | 294 | 289 | 284 | 283 | 285 | 290 |
| 65 | 204 | 203 | 200 | 206 | 205 | 213 | 211 | 213 | 213 | 210 | 213 | 215 | 217 | 219 | 221 | 223 | 224 | 224 | 224 |
| 70 | 140 | 141 | 147 | 151 | 149 | 150 | 150 | 152 | 153 | 156 | 159 | 161 | 162 | 163 | 164 | 165 | 165 | 165 | 165 |
| 75 | 98.8 | 98.9 | 102 | 102 | 104 | 103 | 104 | 106 | 107 | 107 | 107 | 107 | 107 | 106 | 106 | 106 | 106 | 106 | 107 |
| 80 | 58.4 | 59.2 | 61.7 | 67.1 | 66.9 | 64.0 | 62.2 | 53.7 | 43.6 | 34.3 | 26.0 | 18.6 | 12.2 | 6.95 | 3.12 | 0.79 | 0.00 | 0.79 | 3.16 |
| 85 | 24.0 | 24.6 | 25.7 | 15.5 | 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 |
| 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 |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|------------------|
| Test:U:277.60V I:1.8242A P:506.40W PF:0.9927 Freq:49.96Hz Lamp Flux:67827.5x1 lm | | |
| NAME: ASD-SPFL-500D50-PRM | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD LIGHTING CORP | SUR.:1 | Shielding Angle: |

Table--4

UNIT: x10cd

| C (DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | 8931 | | | | |
| 5 | 8267 | 8287 | 8310 | 8330 | 8355 | 8379 | 8404 | 8433 | 8464 | 8495 | 8529 | 8567 | 8609 | 8654 | 8702 | | | | |
| 10 | 7575 | 7579 | 7585 | 7593 | 7602 | 7618 | 7644 | 7675 | 7720 | 7774 | 7800 | 7827 | 7866 | 7917 | 7981 | | | | |
| 15 | 6893 | 6879 | 6848 | 6802 | 6746 | 6680 | 6608 | 6552 | 6566 | 6603 | 6664 | 6755 | 6775 | 6798 | 6846 | | | | |
| 20 | 5508 | 5532 | 5563 | 5600 | 5639 | 5685 | 5637 | 5474 | 5316 | 5171 | 5180 | 5260 | 5383 | 5386 | 5386 | | | | |
| 25 | 4133 | 4156 | 4165 | 4152 | 4116 | 4076 | 4096 | 4119 | 4142 | 3925 | 3738 | 3679 | 3778 | 3877 | 3809 | | | | |
| 30 | 2722 | 2780 | 2842 | 2901 | 2944 | 2906 | 2822 | 2723 | 2731 | 2766 | 2676 | 2504 | 2484 | 2587 | 2562 | | | | |
| 35 | 2010 | 1973 | 1919 | 1850 | 1793 | 1874 | 1920 | 1903 | 1818 | 1769 | 1819 | 1768 | 1642 | 1700 | 1721 | | | | |
| 40 | 1415 | 1409 | 1397 | 1378 | 1343 | 1280 | 1214 | 1233 | 1264 | 1219 | 1175 | 1229 | 1166 | 1138 | 1182 | | | | |
| 45 | 864 | 888 | 904 | 907 | 907 | 909 | 903 | 858 | 817 | 849 | 831 | 812 | 847 | 778 | 831 | | | | |
| 50 | 619 | 609 | 598 | 585 | 589 | 603 | 599 | 608 | 606 | 575 | 589 | 574 | 584 | 567 | 583 | | | | |
| 55 | 458 | 455 | 448 | 438 | 429 | 421 | 412 | 413 | 413 | 426 | 404 | 415 | 394 | 415 | 405 | | | | |
| 60 | 297 | 305 | 312 | 317 | 319 | 311 | 300 | 295 | 292 | 288 | 297 | 284 | 293 | 292 | 281 | | | | |
| 65 | 223 | 222 | 219 | 216 | 211 | 216 | 220 | 219 | 211 | 211 | 209 | 213 | 207 | 203 | 202 | | | | |
| 70 | 165 | 165 | 164 | 163 | 161 | 159 | 156 | 153 | 156 | 156 | 151 | 153 | 156 | 155 | 153 | | | | |
| 75 | 108 | 109 | 110 | 110 | 110 | 109 | 109 | 110 | 111 | 107 | 107 | 105 | 107 | 105 | 102 | | | | |
| 80 | 7.08 | 12.5 | 19.3 | 27.4 | 36.6 | 46.9 | 58.2 | 68.1 | 69.0 | 68.1 | 67.5 | 65.7 | 67.2 | 65.9 | 64.1 | | | | |
| 85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.1 | 26.8 | 25.9 | 27.7 | 30.1 | | | | |
| 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 | | | | |

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:07 January 2020

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: