

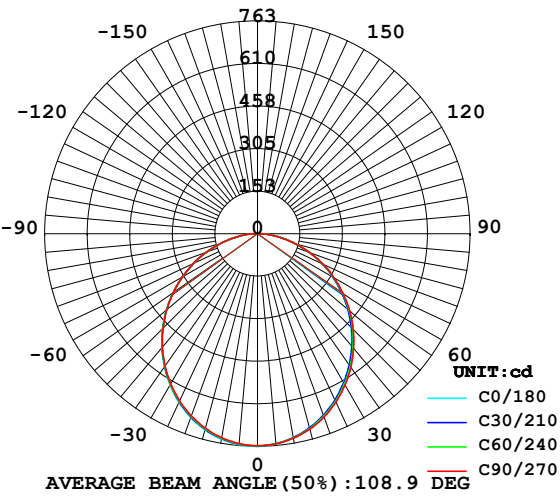
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000016

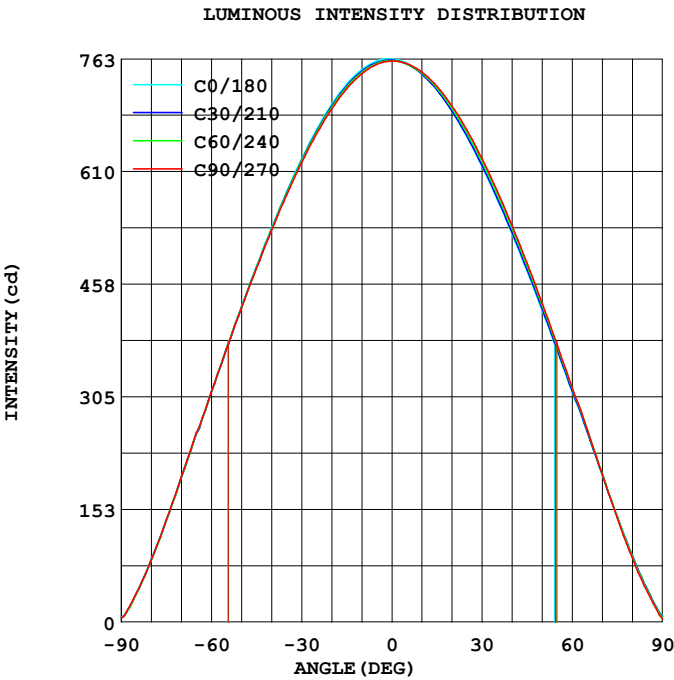
| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |

| | | | | | |
|---------------------|--------|------------------------|-------|-------------------------|------|
| TEST DATA: | | | | | |
| MODEL: | ERL100 | Imax(cd) : | 762.7 | η street_up(%) : | 0.0 |
| NOMINAL POWER(W) : | 54 | MAXIMUM(C, γ): | 0,0.0 | η street_down(%) : | 54.2 |
| RATED VOLTAGE (V) : | 24 | TOTAL FLUX(lm) : | 2620 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) : | 2620.2 | EFFICIENCY(%) : | 100.0 | η house_down(%) : | 45.8 |
| TEST FLUX(lm: | 2620 | η up(%) : | 0.0 | | |
| LAMPS QUANTITY: | 1 | η down(%) : | 100.0 | | |

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test:U:24.00V I:0.405A P:54.70W PF:0.611

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

ZONAL FLUX DIAGRAM

Report number: 2016000016

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total |
|-------|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|----------|---------|
| 5.0 | 759.8 | 756.6 | 755.2 | 753.1 | 756.8 | 755.9 | 756.3 | 756.9 | 0- 5 | 18.11 | 18.11 |
| 10.0 | 748.3 | 744.3 | 742.7 | 738.9 | 742.7 | 743.1 | 744.7 | 746.2 | 5- 10 | 53.55 | 71.66 |
| 15.0 | 728.4 | 723.9 | 722.2 | 717.1 | 720.8 | 722.8 | 725.5 | 727.7 | 10- 15 | 86.76 | 158.4 |
| 20.0 | 700.9 | 696.4 | 694.8 | 688.6 | 691.7 | 695.4 | 698.8 | 701.6 | 15- 20 | 116.4 | 274.9 |
| 25.0 | 667.2 | 662.1 | 661.3 | 653.7 | 657.1 | 661.7 | 666.2 | 668.8 | 20- 25 | 141.6 | 416.6 |
| 30.0 | 627.2 | 621.9 | 621.9 | 613.8 | 617.1 | 623.1 | 627.8 | 630.4 | 25- 30 | 161.5 | 578.1 |
| 35.0 | 582.4 | 577.6 | 577.9 | 570.1 | 572.7 | 579.7 | 584.1 | 586.8 | 30- 35 | 175.5 | 753.7 |
| 40.0 | 534.0 | 528.6 | 530.4 | 522.1 | 525.5 | 532.5 | 536.8 | 538.9 | 35- 40 | 183.4 | 937.2 |
| 45.0 | 481.9 | 476.3 | 479.1 | 471.2 | 475.0 | 483.0 | 485.8 | 488.1 | 40- 45 | 185.2 | 1122 |
| 50.0 | 427.2 | 422.0 | 425.2 | 418.6 | 422.0 | 430.2 | 431.7 | 434.0 | 45- 50 | 180.8 | 1303 |
| 55.0 | 370.8 | 364.7 | 369.6 | 363.1 | 367.5 | 375.1 | 375.7 | 377.1 | 50- 55 | 170.7 | 1474 |
| 60.0 | 312.1 | 306.0 | 311.4 | 306.3 | 311.0 | 318.8 | 317.3 | 318.9 | 55- 60 | 155.1 | 1629 |
| 65.0 | 256.0 | 249.7 | 256.0 | 251.8 | 256.4 | 262.6 | 260.4 | 262.7 | 60- 65 | 135.6 | 1765 |
| 70.0 | 196.5 | 189.3 | 196.4 | 192.8 | 198.6 | 204.9 | 199.7 | 201.7 | 65- 70 | 111.9 | 1877 |
| 75.0 | 138.3 | 131.1 | 137.7 | 135.7 | 141.9 | 147.6 | 140.4 | 143.1 | 70- 75 | 84.83 | 1962 |
| 80.0 | 84.72 | 78.71 | 83.63 | 83.63 | 89.83 | 93.74 | 86.46 | 88.64 | 75- 80 | 57.16 | 2019 |
| 85.0 | 38.53 | 33.61 | 38.53 | 38.53 | 43.91 | 46.64 | 40.54 | 41.54 | 80- 85 | 31.39 | 2050 |
| 90.0 | 6.104 | 3.917 | 5.101 | 4.828 | 8.472 | 8.381 | 4.008 | 6.104 | 85- 90 | 9.702 | 2620 |
| 95.0 | | | | | | | | | 90- 95 | | |
| 100.0 | | | | | | | | | 95-100 | | |
| 105.0 | | | | | | | | | 100-105 | | |
| 110.0 | | | | | | | | | 105-110 | | |
| 115.0 | | | | | | | | | 110-115 | | |
| 120.0 | | | | | | | | | 115-120 | | |
| 125.0 | | | | | | | | | 120-125 | | |
| 130.0 | | | | | | | | | 125-130 | | |
| 135.0 | | | | | | | | | 130-135 | | |
| 140.0 | | | | | | | | | 135-140 | | |
| 145.0 | | | | | | | | | 140-145 | | |
| 150.0 | | | | | | | | | 145-150 | | |
| 155.0 | | | | | | | | | 150-155 | | |
| 160.0 | | | | | | | | | 155-160 | | |
| 165.0 | | | | | | | | | 160-165 | | |
| 170.0 | | | | | | | | | 165-170 | | |
| 175.0 | | | | | | | | | 170-175 | | |
| 180.0 | | | | | | | | | 175-180 | | |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT: lm | |

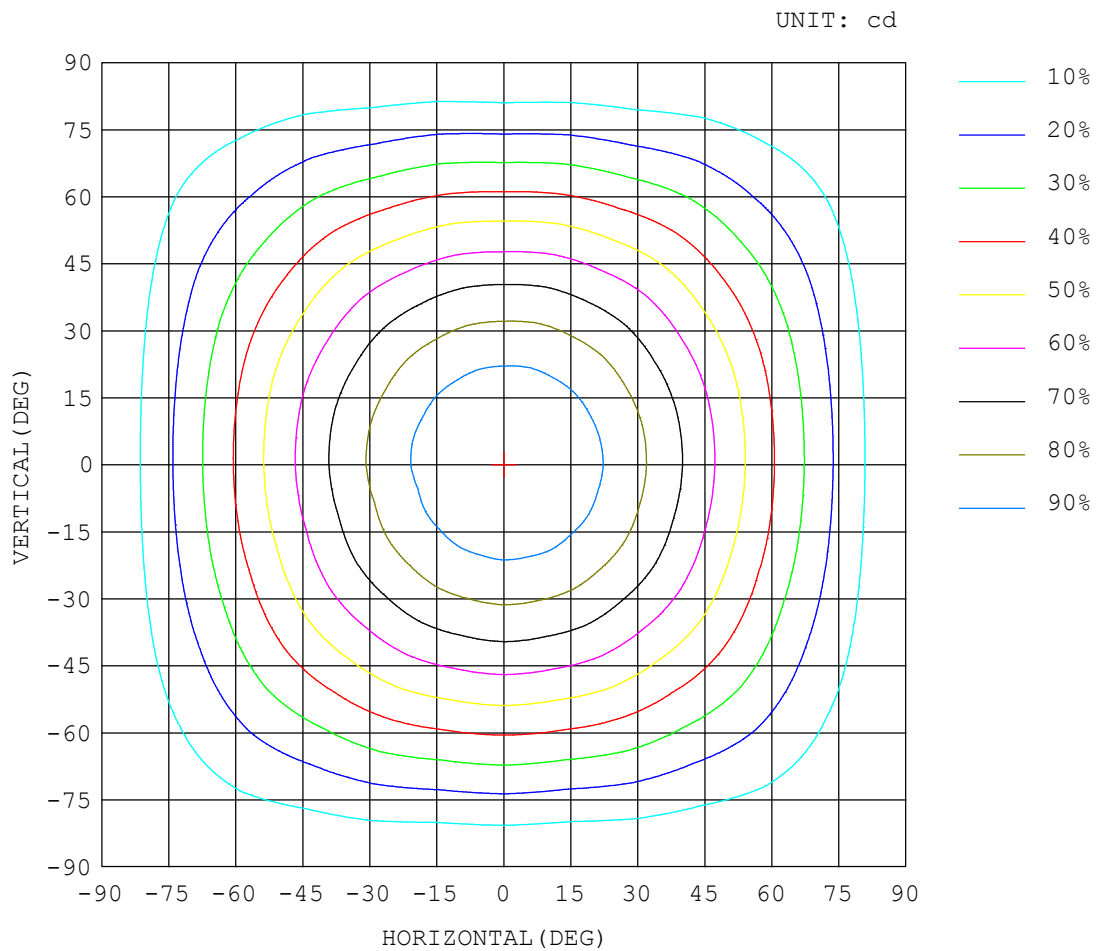
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

ISOCANDELA DIAGRAM

Report number: 2016000016

| | | |
|--|---------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address: PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE: ERL | WEIGHT: --- |
| SPECIFICATION: ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



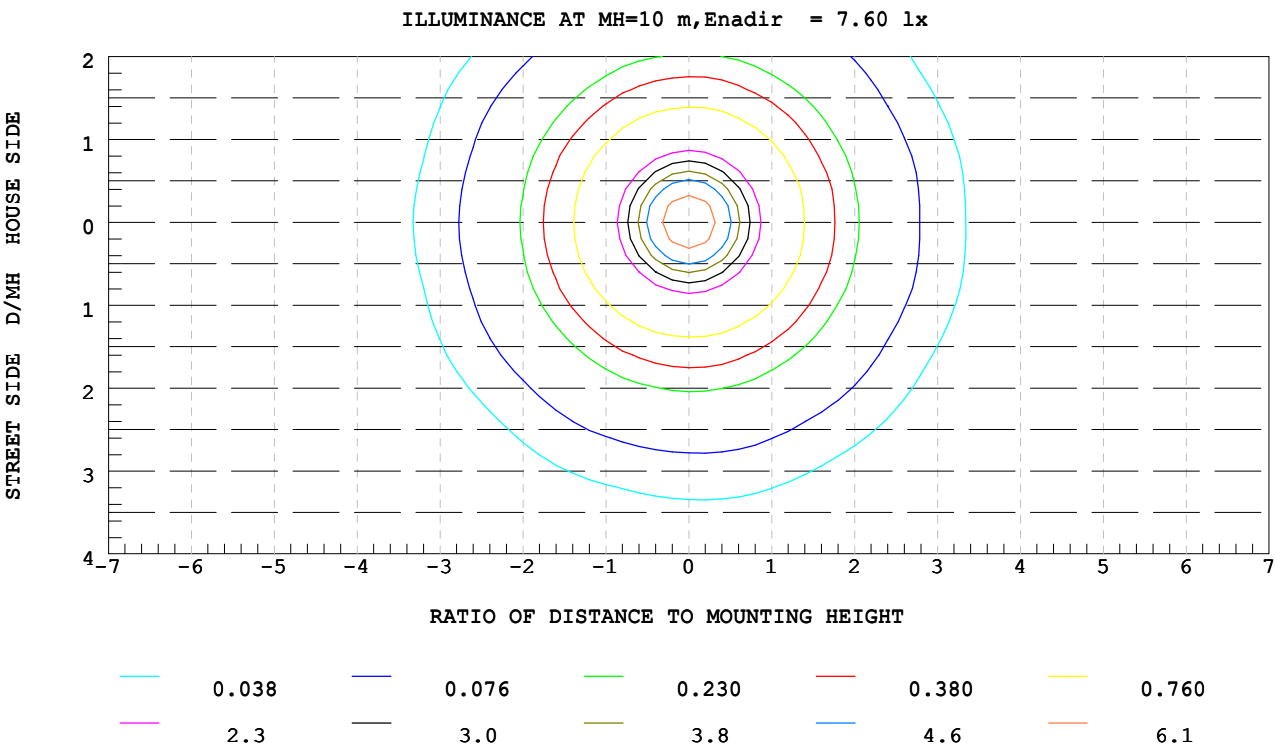
Test System: LSG-1600
Temperature: 25.3 DEG
Operators: REGAIP DASTAN
Test Date: 02-08-2016

Test Set: 2.0 deg/s C-Gamma (TYPE C)
Humidity: 48.0%
Test Distance: 9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

ISOLUX DIAGRAM

Report number: 2016000016

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



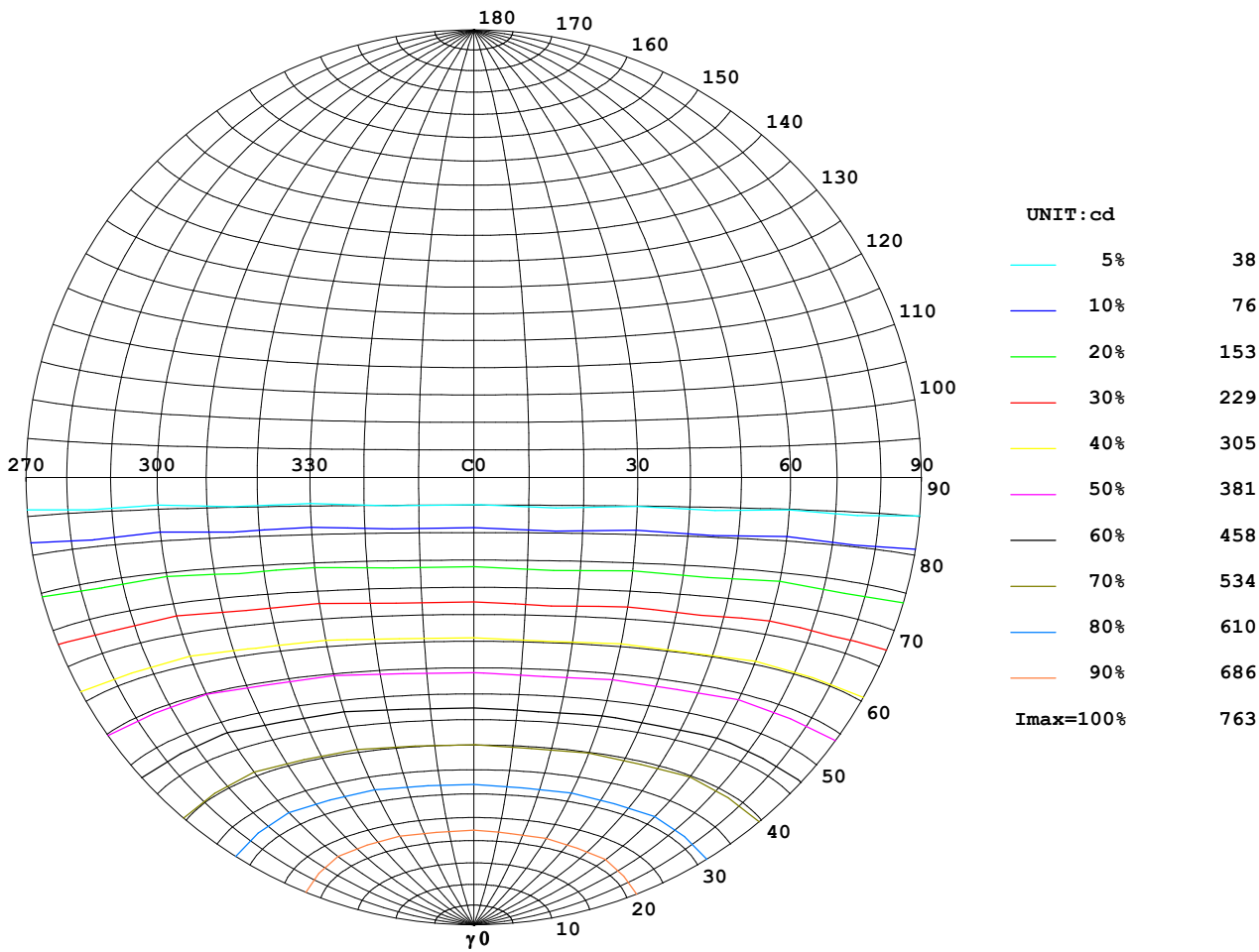
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

ISOCANDELA DIAGRAM

Report number: 2016000016

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



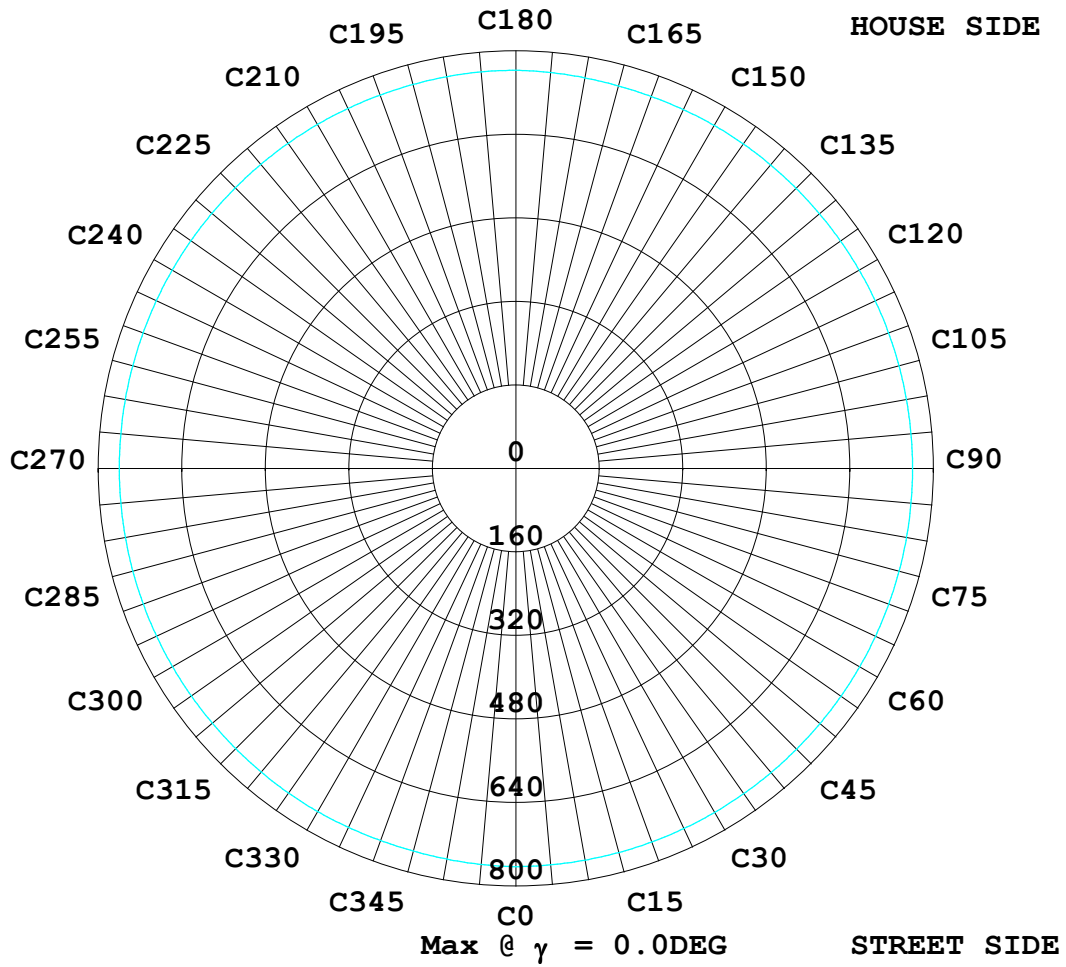
Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

ISOCANDELA DIAGRAM

Report number: 2016000016

| | | |
|--|---------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address: PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE: ERL | WEIGHT: --- |
| SPECIFICATION: ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



Test System: LSG-1600
 Temperature: 25.3DEG
 Operators: REGAIP DASTAN
 Test Date: 02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
 Humidity: 48.0%
 Test Distance: 9.545 m
 Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000016

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0.0 | 763 | 762 | 761 | 760 | 760 | 760 | 760 | 760 | 760 | 759 | 759 | 759 | 763 | 762 | 761 |
| 5.0 | 760 | 758 | 758 | 757 | 757 | 755 | 755 | 754 | 754 | 753 | 753 | 752 | 757 | 756 | 756 |
| 10.0 | 748 | 746 | 746 | 744 | 744 | 743 | 743 | 741 | 741 | 739 | 739 | 738 | 743 | 743 | 742 |
| 15.0 | 728 | 726 | 726 | 724 | 724 | 722 | 722 | 720 | 720 | 717 | 717 | 715 | 721 | 722 | 721 |
| 20.0 | 701 | 699 | 699 | 696 | 697 | 695 | 695 | 692 | 692 | 689 | 689 | 686 | 692 | 693 | 692 |
| 25.0 | 667 | 664 | 665 | 662 | 664 | 661 | 661 | 658 | 658 | 654 | 654 | 651 | 657 | 659 | 658 |
| 30.0 | 627 | 624 | 625 | 622 | 624 | 621 | 622 | 618 | 618 | 614 | 614 | 611 | 617 | 619 | 619 |
| 35.0 | 582 | 579 | 580 | 578 | 580 | 577 | 578 | 574 | 574 | 570 | 570 | 567 | 573 | 576 | 575 |
| 40.0 | 534 | 530 | 532 | 529 | 532 | 528 | 530 | 526 | 527 | 522 | 523 | 519 | 526 | 528 | 528 |
| 45.0 | 482 | 477 | 480 | 476 | 480 | 477 | 479 | 475 | 476 | 471 | 473 | 469 | 475 | 479 | 477 |
| 50.0 | 427 | 423 | 425 | 422 | 426 | 422 | 425 | 421 | 423 | 419 | 421 | 416 | 422 | 426 | 424 |
| 55.0 | 371 | 365 | 369 | 365 | 370 | 366 | 370 | 365 | 368 | 363 | 366 | 362 | 368 | 371 | 370 |
| 60.0 | 312 | 307 | 310 | 306 | 311 | 307 | 311 | 307 | 311 | 306 | 310 | 305 | 311 | 316 | 313 |
| 65.0 | 256 | 250 | 254 | 250 | 255 | 251 | 256 | 252 | 257 | 252 | 256 | 252 | 256 | 262 | 258 |
| 70.0 | 197 | 190 | 195 | 189 | 195 | 190 | 196 | 192 | 198 | 193 | 199 | 194 | 199 | 203 | 200 |
| 75.0 | 138 | 132 | 137 | 131 | 137 | 132 | 138 | 133 | 140 | 136 | 142 | 137 | 142 | 147 | 142 |
| 80.0 | 84.7 | 79.7 | 83.2 | 78.7 | 82.8 | 78.7 | 83.6 | 80.6 | 86.3 | 83.6 | 89.1 | 86.0 | 89.8 | 93.8 | 89.6 |
| 85.0 | 38.5 | 34.1 | 37.5 | 33.6 | 37.4 | 34.0 | 38.5 | 35.8 | 40.9 | 38.5 | 43.5 | 40.7 | 43.9 | 46.9 | 43.5 |
| 90.0 | 6.10 | 4.37 | 5.83 | 3.91 | 5.37 | 3.55 | 5.10 | 3.55 | 5.83 | 4.82 | 7.47 | 6.28 | 8.47 | 9.29 | 7.10 |

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000016

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90-45 CW 120D 54W 24V DC IP44 | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |

UNIT: cd

| C (DEG) γ (DEG) | 225 | 240 | 255 | 270 | 285 | 300 | 315 | 330 | 345 |
|--------------------|------|------|------|------|------|------|------|------|------|
| 0.0 | 760 | 760 | 760 | 760 | 760 | 760 | 759 | 759 | 759 |
| 5.0 | 756 | 756 | 756 | 756 | 757 | 757 | 757 | 757 | 757 |
| 10.0 | 743 | 743 | 745 | 745 | 746 | 746 | 746 | 746 | 746 |
| 15.0 | 723 | 723 | 725 | 726 | 727 | 727 | 728 | 727 | 727 |
| 20.0 | 695 | 696 | 699 | 699 | 702 | 700 | 702 | 700 | 701 |
| 25.0 | 662 | 663 | 666 | 666 | 669 | 668 | 669 | 667 | 667 |
| 30.0 | 623 | 624 | 628 | 628 | 631 | 629 | 630 | 628 | 628 |
| 35.0 | 580 | 580 | 585 | 584 | 588 | 585 | 587 | 583 | 584 |
| 40.0 | 533 | 533 | 538 | 537 | 540 | 538 | 539 | 535 | 536 |
| 45.0 | 483 | 482 | 488 | 486 | 490 | 486 | 488 | 483 | 485 |
| 50.0 | 430 | 429 | 434 | 432 | 436 | 432 | 434 | 428 | 430 |
| 55.0 | 375 | 374 | 379 | 376 | 380 | 375 | 377 | 372 | 373 |
| 60.0 | 319 | 316 | 321 | 317 | 322 | 316 | 319 | 313 | 316 |
| 65.0 | 263 | 261 | 262 | 260 | 262 | 259 | 263 | 256 | 259 |
| 70.0 | 205 | 201 | 205 | 200 | 204 | 198 | 202 | 195 | 199 |
| 75.0 | 148 | 142 | 147 | 140 | 145 | 139 | 143 | 137 | 141 |
| 80.0 | 93.7 | 88.5 | 92.0 | 86.4 | 90.0 | 84.8 | 88.6 | 83.4 | 87.1 |
| 85.0 | 46.6 | 42.4 | 45.0 | 40.5 | 43.1 | 38.9 | 41.5 | 37.3 | 40.1 |
| 90.0 | 8.38 | 5.64 | 6.65 | 4.00 | 5.73 | 4.09 | 6.10 | 4.55 | 6.37 |

Test System:LSG-1600
Temperature:25.3DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90-45 CW 120D 54W 24V DC 1