

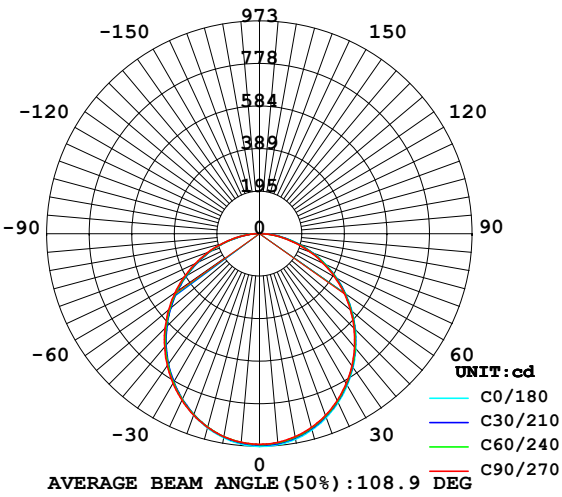
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: 2016000017

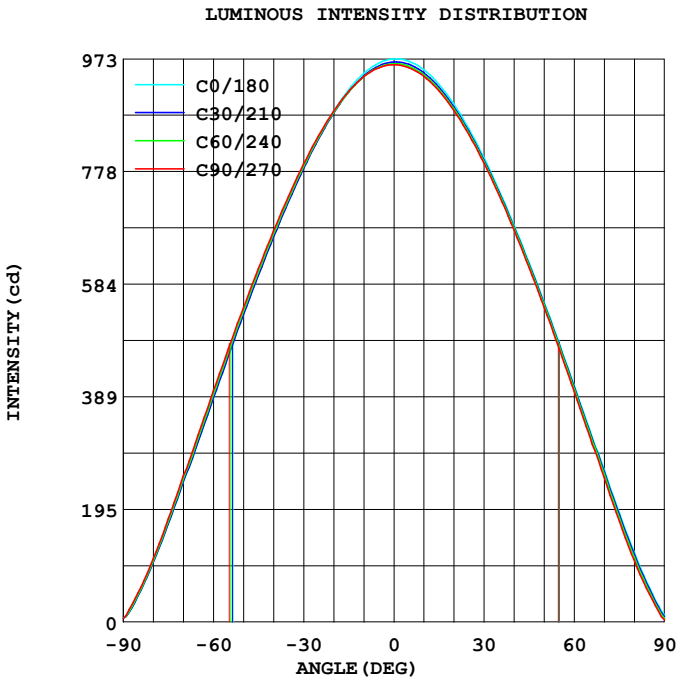
| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |

| | | | | | |
|---------------------|--------|------------------------|-------|-------------------------|------|
| TEST DATA: | | | | | |
| MODEL: | ERL100 | Imax(cd) : | 972.8 | η street_up(%) : | 0.0 |
| NOMINAL POWER(W) : | 72 | MAXIMUM(C, γ): | 0,0.0 | η street_down(%) : | 53.5 |
| RATED VOLTAGE (V) : | 24 | TOTAL FLUX(lm) : | 3655 | η house_up(%) | 0.0 |
| NOMINAL FLUX(lm) : | 3655.1 | EFFICIENCY(%) : | 100.0 | η house_down(%) : | 46.5 |
| TEST FLUX(lm: | 3655 | 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:0.492A P:72.00W PF:0.625

Test System:LSG-1600
Temperature:25.7DEG
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 CW 120D 72W 24V DC IP44

ZONAL FLUX DIAGRAM

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | 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 | 965.6 | 958.9 | 957.3 | 955.7 | 968.7 | 961.8 | 957.7 | 954.8 | 0- 5 | 22.97 | 22.97 |
| 10.0 | 947.6 | 941.5 | 941.9 | 940.4 | 954.1 | 947.1 | 942.6 | 938.7 | 5- 10 | 67.91 | 90.88 |
| 15.0 | 919.6 | 914.2 | 916.8 | 915.0 | 928.9 | 922.9 | 917.7 | 913.0 | 10- 15 | 110.0 | 200.9 |
| 20.0 | 882.3 | 878.2 | 882.5 | 880.9 | 894.3 | 889.2 | 883.6 | 877.9 | 15- 20 | 147.7 | 348.6 |
| 25.0 | 837.3 | 833.7 | 840.4 | 838.3 | 851.9 | 847.1 | 841.9 | 834.9 | 20- 25 | 179.6 | 528.3 |
| 30.0 | 785.3 | 782.6 | 790.9 | 788.8 | 802.0 | 798.6 | 792.6 | 785.3 | 25- 30 | 204.8 | 733.1 |
| 35.0 | 727.7 | 726.1 | 735.4 | 733.8 | 745.9 | 743.7 | 737.2 | 729.4 | 30- 35 | 222.6 | 955.8 |
| 40.0 | 665.9 | 664.1 | 675.4 | 673.5 | 685.7 | 683.4 | 677.1 | 668.6 | 35- 40 | 232.6 | 1189 |
| 45.0 | 599.9 | 598.3 | 610.5 | 609.1 | 620.8 | 620.0 | 612.1 | 604.4 | 40- 45 | 234.8 | 1423 |
| 50.0 | 530.9 | 530.1 | 542.5 | 541.9 | 552.4 | 552.3 | 543.4 | 536.3 | 45- 50 | 229.3 | 1653 |
| 55.0 | 459.9 | 458.2 | 472.2 | 471.2 | 481.8 | 481.5 | 472.2 | 465.0 | 50- 55 | 216.4 | 1869 |
| 60.0 | 386.2 | 384.5 | 398.7 | 398.5 | 408.6 | 409.1 | 397.9 | 392.3 | 55- 60 | 196.7 | 2066 |
| 65.0 | 311.9 | 310.3 | 323.7 | 324.7 | 334.4 | 334.2 | 322.6 | 317.4 | 60- 65 | 170.8 | 2237 |
| 70.0 | 241.7 | 237.9 | 252.5 | 252.9 | 262.2 | 261.1 | 248.8 | 245.7 | 65- 70 | 141.0 | 2378 |
| 75.0 | 169.1 | 164.8 | 177.8 | 179.2 | 188.2 | 188.8 | 173.7 | 172.9 | 70- 75 | 107.4 | 2485 |
| 80.0 | 102.4 | 98.76 | 108.7 | 111.7 | 119.8 | 119.4 | 105.5 | 105.5 | 75- 80 | 72.33 | 2558 |
| 85.0 | 45.28 | 42.09 | 50.83 | 53.02 | 59.31 | 58.85 | 48.10 | 47.46 | 80- 85 | 39.58 | 2597 |
| 90.0 | 6.924 | 4.555 | 5.739 | 7.288 | 12.02 | 10.11 | 3.826 | 6.468 | 85- 90 | 12.09 | 3655 |
| 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 | |

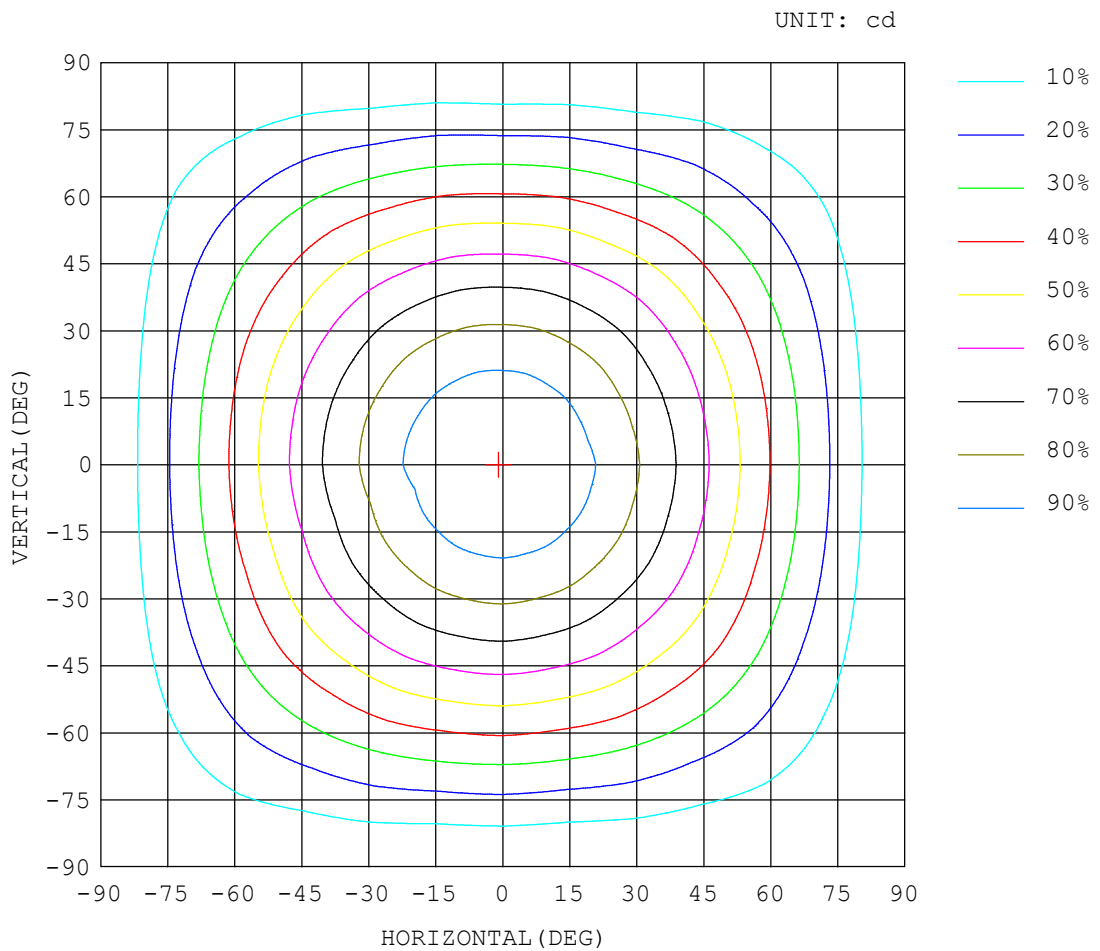
Test System:LSG-1600
Temperature:25.7DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90 CW 120D 72W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



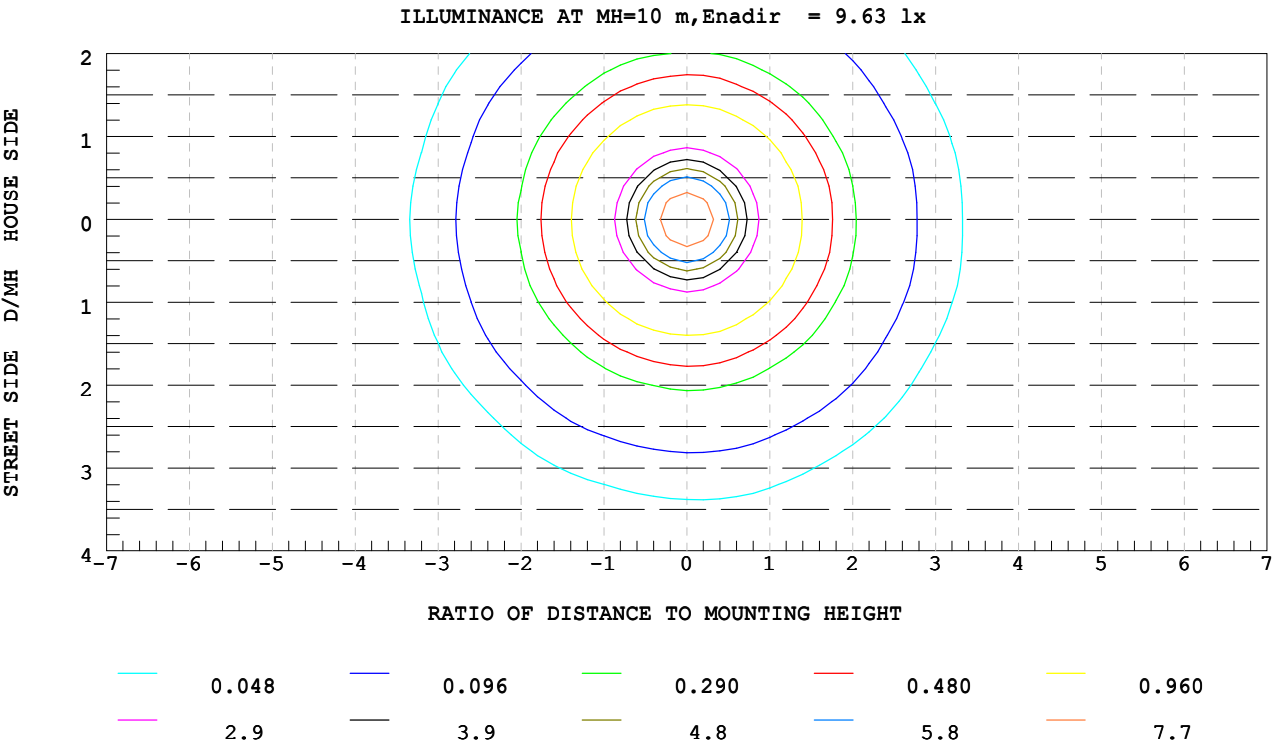
Test System:LSG-1600
Temperature:25.7DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90 CW 120D 72W 24V DC IP44

ISOLUX DIAGRAM

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



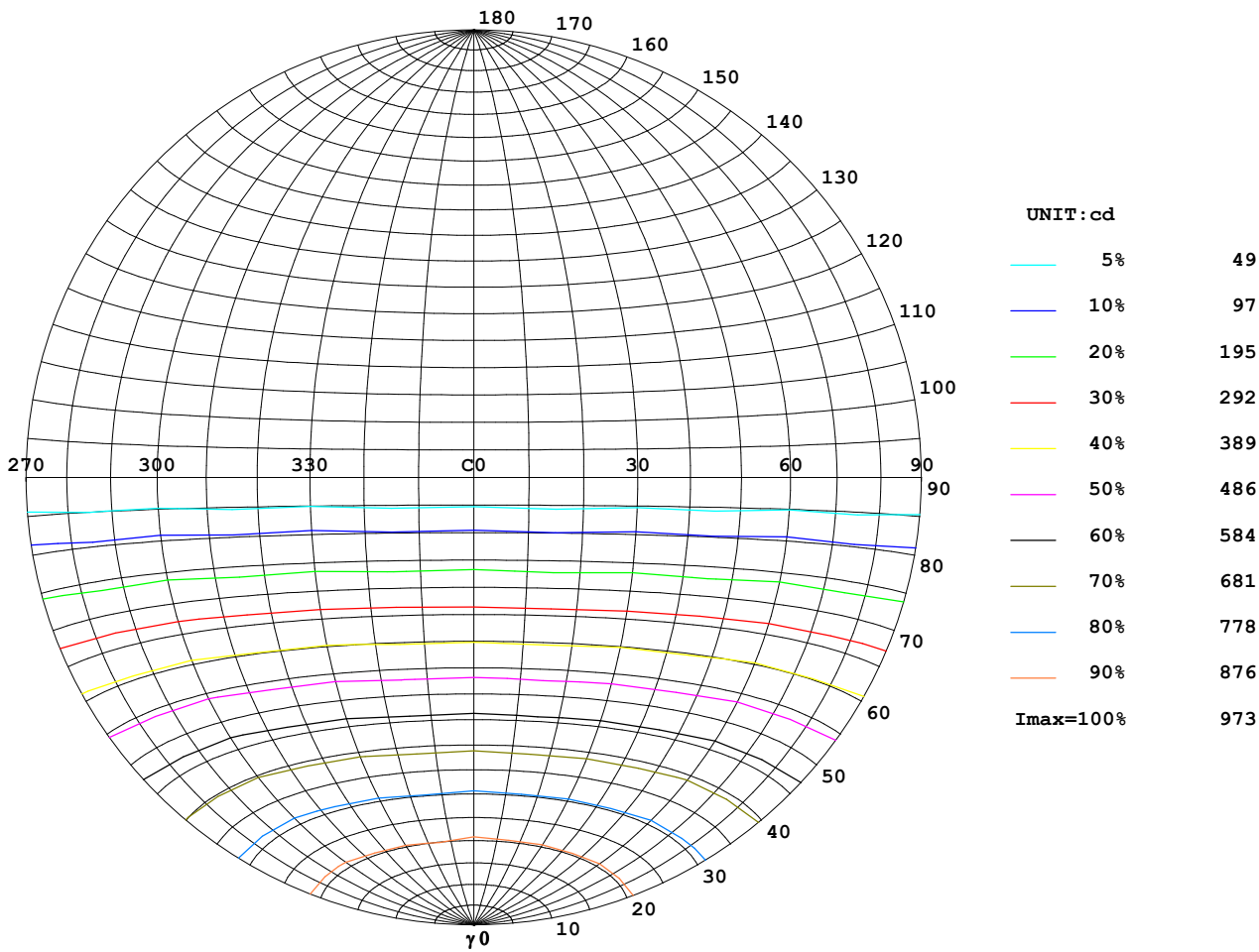
Test System:LSG-1600
Temperature:25.7DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90 CW 120D 72W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



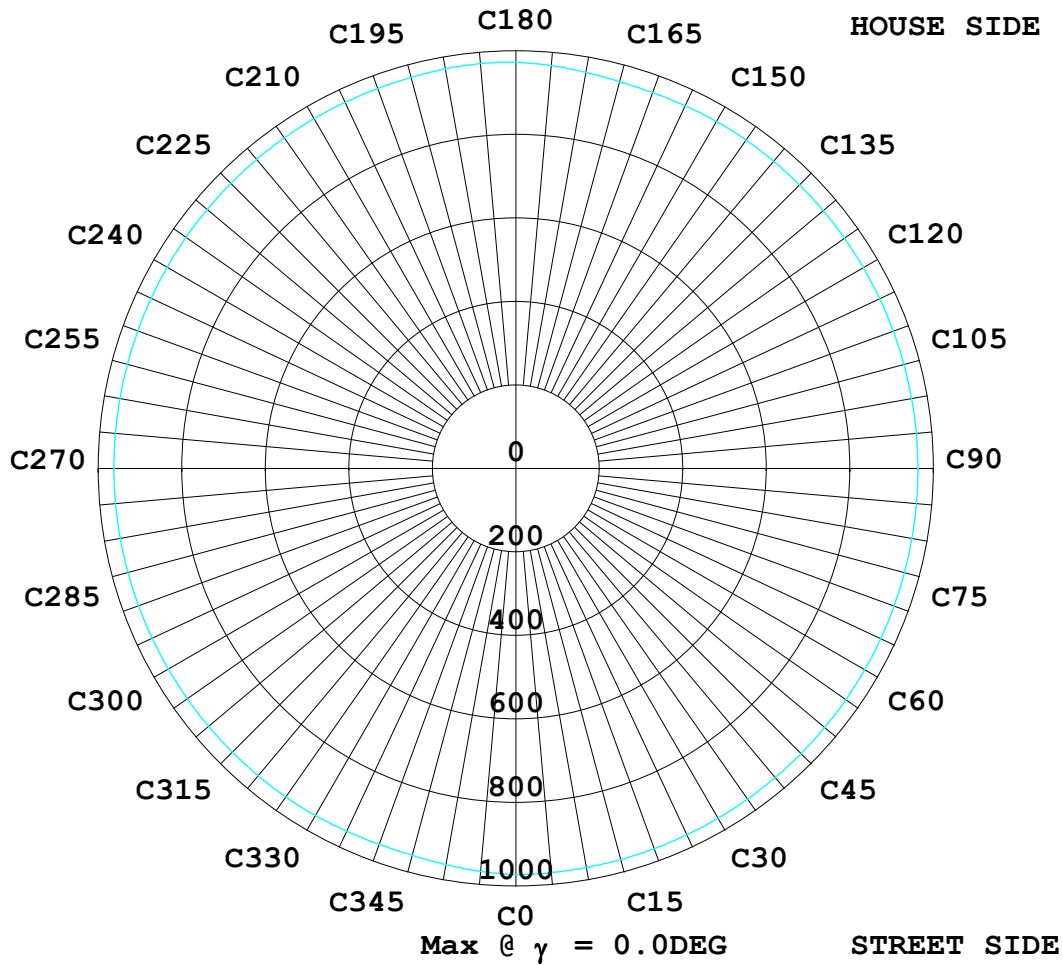
Test System:LSG-1600
Temperature:25.7DEG
Operators:REGAIP DASTAN
Test Date:02-08-2016

Test Set: 2.0deg/s C-Gamma (TYPE C)
Humidity:48.0%
Test Distance:9.545 m
Remarks: ERL100 PT90 CW 120D 72W 24V DC IP44

ISOCANDELA DIAGRAM

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | TYPE:ERL | WEIGHT:--- |
| SPECIFICATION:ENDLESS RECESSED LINEAR | DIMENSION: 1020x99x58mm | SERIAL No.: |



| | |
|-------------------------|--|
| Test System:LSG-1600 | Test Set: 2.0deg/s C-Gamma (TYPE C) |
| Temperature:25.7DEG | Humidity:48.0% |
| Operators:REGAIP DASTAN | Test Distance:9.545 m |
| Test Date:02-08-2016 | Remarks: ERL100 PT90 CW 120D 72W 24V DC IP44 |

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | 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 | 973 | 970 | 967 | 966 | 964 | 963 | 963 | 962 | 961 | 961 | 960 | 959 | 973 | 970 | 967 |
| 5.0 | 966 | 962 | 961 | 959 | 958 | 957 | 957 | 957 | 957 | 956 | 955 | 954 | 969 | 966 | 963 |
| 10.0 | 948 | 944 | 943 | 942 | 942 | 941 | 942 | 941 | 942 | 940 | 941 | 939 | 954 | 951 | 949 |
| 15.0 | 920 | 916 | 916 | 914 | 916 | 915 | 917 | 916 | 917 | 915 | 915 | 913 | 929 | 927 | 924 |
| 20.0 | 882 | 879 | 879 | 878 | 880 | 880 | 883 | 882 | 883 | 881 | 881 | 879 | 894 | 892 | 889 |
| 25.0 | 837 | 834 | 835 | 834 | 837 | 837 | 840 | 839 | 841 | 838 | 839 | 836 | 852 | 850 | 847 |
| 30.0 | 785 | 782 | 783 | 783 | 787 | 787 | 791 | 790 | 792 | 789 | 790 | 786 | 802 | 801 | 798 |
| 35.0 | 728 | 724 | 726 | 726 | 731 | 731 | 735 | 735 | 737 | 734 | 735 | 731 | 746 | 746 | 742 |
| 40.0 | 666 | 662 | 665 | 664 | 670 | 670 | 675 | 674 | 677 | 674 | 675 | 671 | 686 | 685 | 682 |
| 45.0 | 600 | 596 | 599 | 598 | 605 | 605 | 611 | 609 | 613 | 609 | 611 | 607 | 621 | 622 | 618 |
| 50.0 | 531 | 527 | 531 | 530 | 536 | 537 | 543 | 541 | 545 | 542 | 544 | 540 | 552 | 554 | 550 |
| 55.0 | 460 | 455 | 460 | 458 | 466 | 465 | 472 | 470 | 475 | 471 | 475 | 470 | 482 | 483 | 479 |
| 60.0 | 386 | 381 | 387 | 385 | 392 | 391 | 399 | 396 | 403 | 399 | 403 | 398 | 409 | 411 | 406 |
| 65.0 | 312 | 307 | 312 | 310 | 318 | 316 | 324 | 322 | 328 | 325 | 329 | 325 | 334 | 337 | 331 |
| 70.0 | 242 | 236 | 242 | 238 | 247 | 243 | 253 | 249 | 258 | 253 | 260 | 254 | 262 | 261 | 259 |
| 75.0 | 169 | 163 | 170 | 165 | 173 | 169 | 178 | 174 | 183 | 179 | 187 | 181 | 188 | 192 | 185 |
| 80.0 | 102 | 97.5 | 103 | 98.7 | 105 | 102 | 109 | 107 | 114 | 112 | 119 | 114 | 120 | 123 | 117 |
| 85.0 | 45.2 | 40.9 | 45.7 | 42.0 | 47.5 | 44.6 | 50.8 | 48.5 | 55.3 | 53.0 | 59.1 | 55.3 | 59.3 | 61.9 | 56.5 |
| 90.0 | 6.92 | 5.01 | 6.74 | 4.55 | 6.19 | 3.91 | 5.73 | 4.46 | 7.92 | 7.28 | 10.8 | 9.38 | 12.0 | 12.5 | 9.38 |

Test System:LSG-1600
Temperature:25.7DEG
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 CW 120D 72W 24V DC IP44

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: 2016000017

| | | |
|--|--------------------------------|-------------|
| MANUFACTURER: FIBERLI | Address:PSL ELEKTRONIK ANTALYA | |
| NAME: ERL100 PT90 CW 120D 72W 24V DC IP44D | 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 | 966 | 964 | 963 | 963 | 962 | 961 | 961 | 960 | 959 |
| 5.0 | 962 | 960 | 959 | 958 | 957 | 956 | 955 | 954 | 953 |
| 10.0 | 947 | 945 | 944 | 943 | 942 | 940 | 939 | 937 | 936 |
| 15.0 | 923 | 921 | 920 | 918 | 917 | 914 | 913 | 910 | 910 |
| 20.0 | 889 | 887 | 887 | 884 | 883 | 879 | 878 | 874 | 874 |
| 25.0 | 847 | 845 | 845 | 842 | 841 | 836 | 835 | 831 | 830 |
| 30.0 | 799 | 796 | 796 | 793 | 792 | 787 | 785 | 780 | 780 |
| 35.0 | 744 | 740 | 742 | 737 | 737 | 731 | 729 | 723 | 723 |
| 40.0 | 683 | 681 | 681 | 677 | 676 | 670 | 669 | 663 | 662 |
| 45.0 | 620 | 616 | 618 | 612 | 612 | 605 | 604 | 597 | 598 |
| 50.0 | 552 | 548 | 550 | 543 | 544 | 536 | 536 | 529 | 530 |
| 55.0 | 482 | 477 | 478 | 472 | 473 | 465 | 465 | 458 | 459 |
| 60.0 | 409 | 403 | 405 | 398 | 400 | 391 | 392 | 384 | 386 |
| 65.0 | 334 | 328 | 330 | 323 | 324 | 316 | 317 | 310 | 312 |
| 70.0 | 261 | 255 | 257 | 249 | 251 | 243 | 246 | 238 | 242 |
| 75.0 | 189 | 180 | 183 | 174 | 177 | 169 | 173 | 165 | 170 |
| 80.0 | 119 | 112 | 114 | 106 | 109 | 102 | 106 | 99.3 | 104 |
| 85.0 | 58.8 | 52.4 | 54.2 | 48.1 | 50.2 | 44.6 | 47.4 | 42.6 | 46.1 |
| 90.0 | 10.1 | 6.19 | 6.83 | 3.82 | 5.83 | 4.19 | 6.46 | 4.91 | 7.10 |