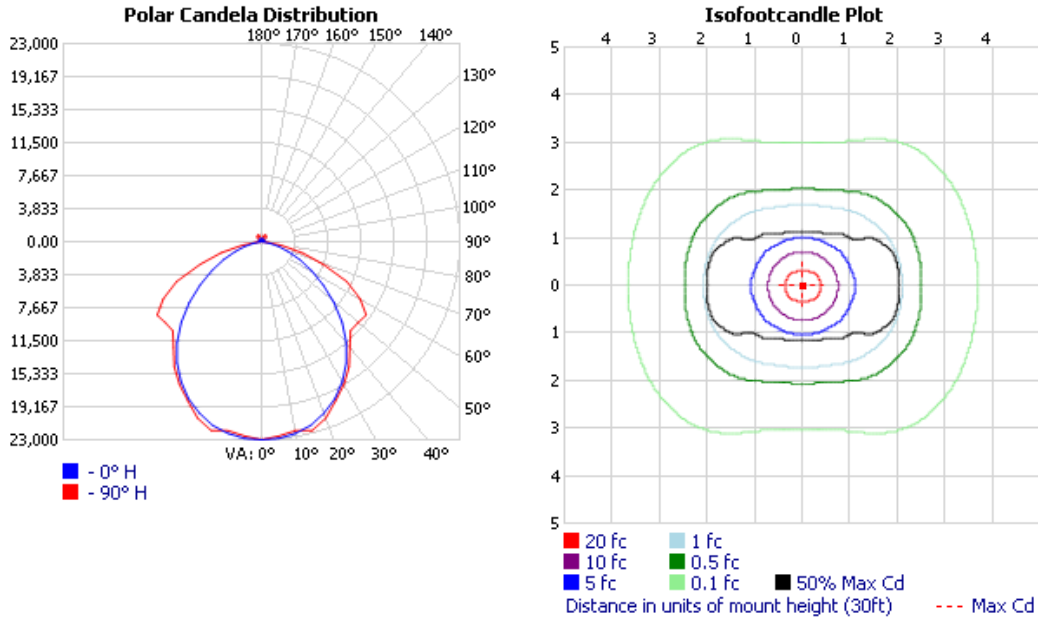


INDOOR PHOTOMETRIC REPORT

CATALOG: LUX-IK10P-L-6-DA-HO3-850-2-U10-CA2

MANUFACTURER: LUX DYNAMICS
TEST #: L051805404
TEST LAB: LIGHT LABORATORY, INC. (WWW.LIGHTLABORATORY.COM)
CATALOG: LUX-IK10P-L-6-DA-HO3-850-2-U10-CA2
DESCRIPTION: 6-BAR, 2-CHANNEL, HIGH LUMEN, ACRYLIC LENS, 2'
LAMP OUTPUT: TOTAL LUMINAIRE LUMENS: 66588.5, **ABSOLUTE PHOTOMETRY ***
BALLAST / DRIVER: OSRAM OPTOTRONIC OTI 85/120-277/2A3 DIM L (6 DRIVERS)
INPUT WATTAGE: 489.4
LUMINOUS OPENING: RECTANGLE (L: 23.04", W: 17.52")
CIE CLASS: DIRECT
MAX CD: 22,969.0 AT HORIZONTAL: 0°, VERTICAL: 0°



***TEST BASED ON ABSOLUTE PHOTOMETRY WHERE LAMP LUMENS=LUMENS TOTAL.
*CUTOFF CLASSIFICATION AND EFFICIENCY CANNOT BE PROPERLY CALCULATED FOR ABSOLUTE PHOTOMETRY.**

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ZONAL LUMEN SUMMARY

| ZONE | LUMENS | % LUMINAIRE |
|--------|----------|-------------|
| 0-30 | 17,734.1 | 26.6% |
| 0-40 | 28,638.0 | 43% |
| 0-60 | 49,976.3 | 75.1% |
| 60-90 | 14,187.6 | 21.3% |
| 70-100 | 5,920.3 | 8.9% |
| 90-120 | 518.4 | 0.8% |
| 0-90 | 64,163.9 | 96.4% |
| 90-180 | 2,424.6 | 3.6% |
| 0-180 | 66,588.5 | 100% |

LUMENS PER ZONE

| ZONE | LUMENS | % TOTAL | ZONE | LUMENS | % TOTAL |
|-------|----------|---------|---------|--------|---------|
| 0-10 | 2,156.8 | 3.2% | 90-100 | 116.3 | 0.2% |
| 10-20 | 6,230.6 | 9.4% | 100-110 | 149.5 | 0.2% |
| 20-30 | 9,346.7 | 14.0% | 110-120 | 252.7 | 0.4% |
| 30-40 | 10,903.9 | 16.4% | 120-130 | 435.8 | 0.7% |
| 40-50 | 10,954.3 | 16.5% | 130-140 | 548.6 | 0.8% |
| 50-60 | 10,384.0 | 15.6% | 140-150 | 466.9 | 0.7% |
| 60-70 | 8,383.5 | 12.6% | 150-160 | 298.3 | 0.4% |
| 70-80 | 4,652.1 | 7.0% | 160-170 | 125.7 | 0.2% |
| 80-90 | 1,151.9 | 1.7% | 170-180 | 30.9 | 0% |

LCS TABLE

BUG RATING

B5 - U5 - G4

| FORWARD LIGHT | LUMENS | LUMENS % |
|-----------------------|----------|----------|
| LOW(0-30): | 8,871.1 | 13.3% |
| MEDIUM(30-60): | 16,128.0 | 24.2% |
| HIGH(60-80): | 6,520.4 | 9.8% |
| VERY HIGH(80-90): | 576.2 | 0.9% |
| BACK LIGHT | | |
| LOW(0-30): | 8,871.1 | 13.3% |
| MEDIUM(30-60): | 16,128.0 | 24.2% |
| HIGH(60-80): | 6,520.4 | 9.8% |
| VERY HIGH(80-90): | 576.2 | 0.9% |
| UPLIGHT | | |
| LOW(90-100): | 116.3 | 0.2% |
| HIGH(100-180): | 2,308.0 | 3.5% |
| TRAPPED LIGHT: | 0.000 | 0% |

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|--------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 10 | 50 | 30 | 20 | 10 | 50 | 30 | 20 | 10 | 0 |
| RCR: 0 | 1.18 | 1.18 | 1.18 | 1.18 | 1.15 | 1.15 | 1.15 | .96 | 1.09 | 1.09 | 1.09 | 1.04 | 1.04 | 1.04 | .99 | .99 | .99 | .96 | .96 | .96 | |
| 1 | 1.08 | 1.03 | .99 | .95 | 1.05 | 1.00 | .97 | .81 | .95 | .92 | .89 | .91 | .88 | .86 | .87 | .85 | .83 | .80 | .80 | .80 | |
| 2 | .98 | .90 | .83 | .77 | .95 | .87 | .81 | .68 | .83 | .78 | .73 | .79 | .75 | .71 | .76 | .72 | .69 | .67 | .67 | .67 | |
| 3 | .89 | .79 | .70 | .64 | .86 | .77 | .69 | .58 | .73 | .67 | .61 | .70 | .65 | .60 | .67 | .62 | .58 | .56 | .56 | .56 | |
| 4 | .82 | .70 | .61 | .54 | .79 | .68 | .60 | .50 | .65 | .58 | .52 | .62 | .56 | .51 | .60 | .54 | .50 | .48 | .48 | .48 | |
| 5 | .75 | .62 | .53 | .46 | .73 | .61 | .52 | .43 | .58 | .51 | .45 | .56 | .49 | .44 | .54 | .48 | .44 | .41 | .41 | .41 | |
| 6 | .69 | .56 | .47 | .40 | .67 | .55 | .46 | .38 | .53 | .45 | .40 | .51 | .44 | .39 | .49 | .43 | .38 | .36 | .36 | .36 | |
| 7 | .64 | .51 | .42 | .36 | .62 | .50 | .41 | .34 | .48 | .40 | .35 | .46 | .39 | .34 | .44 | .38 | .34 | .32 | .32 | .32 | |
| 8 | .60 | .46 | .38 | .32 | .58 | .45 | .37 | .30 | .44 | .36 | .31 | .42 | .36 | .31 | .41 | .35 | .30 | .28 | .28 | .28 | |
| 9 | .56 | .42 | .34 | .29 | .54 | .42 | .34 | .27 | .40 | .33 | .28 | .39 | .32 | .28 | .38 | .32 | .27 | .26 | .26 | .26 | |
| 10 | .52 | .39 | .31 | .26 | .51 | .38 | .31 | .25 | .37 | .30 | .26 | .36 | .30 | .25 | .35 | .29 | .25 | .23 | .23 | .23 | |

