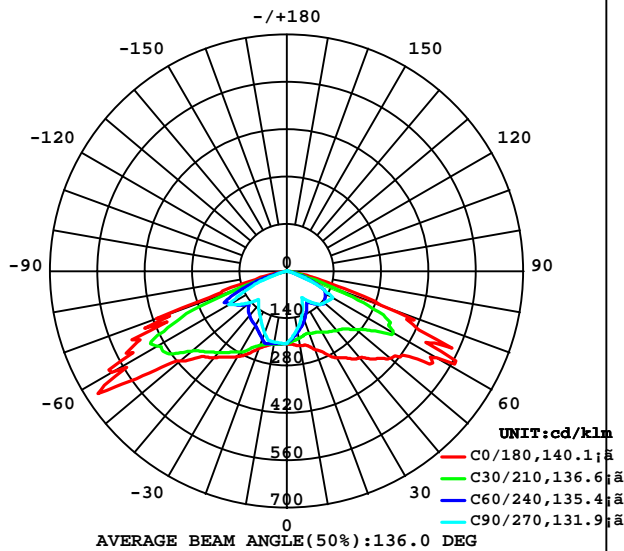


STREETLIGHT PHOTOMETRIC TEST REPORT

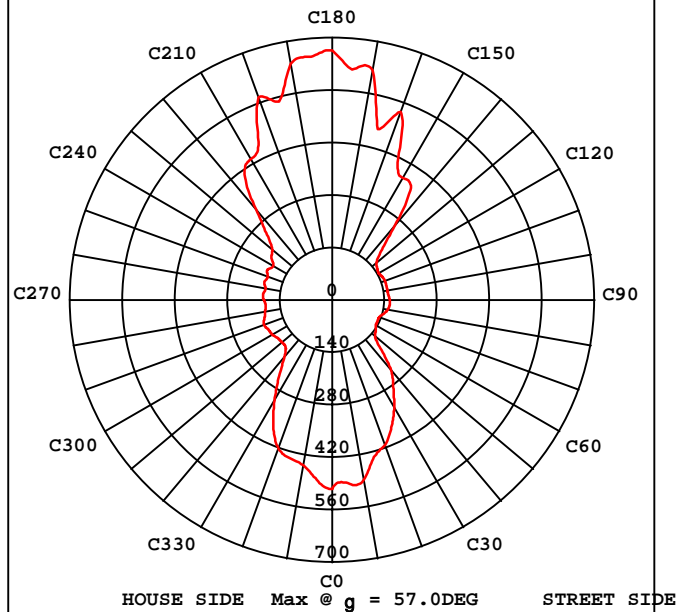
| | | |
|---|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm | | |
| NAME: LEAF RANGE | TYPE:30W | WEIGHT:1.5 |
| DIM.: | SPEC.:6000K | SERIAL No.: |
| MFR.: LED MARKET SRL | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 156.55 lm/W | | | |
|------------------|------------------|-----------------------------------|----------|------------------|------|
| MODEL: LEAF | RANGE 30W, 6000K | Imax(cd/klm) | 666.0 | h street_up(%) | 0.0 |
| NOMINAL POWER(W) | 30 | LOR(%) | 101.0 | h street_down(%) | 47.0 |
| RATED VOLTAGE(V) | 222 | TOTAL FLUX(lm/klm) | 1010 | h house_up(%) | 0.0 |
| NOMINAL FLUX(lm) | 4372.96 | MAXIMUM @(C,g) | 180,57.0 | h house_down(%) | 54.0 |
| LAMPS INSIDE | 1 | h up(%) | 0.0 | 76 FLASHAREA(m2) | |
| TEST VOLTAGE(V) | 221.5 | h down(%) | 101.0 | SLI | |

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



MAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:ROMAN
Test Date:2019-03-21

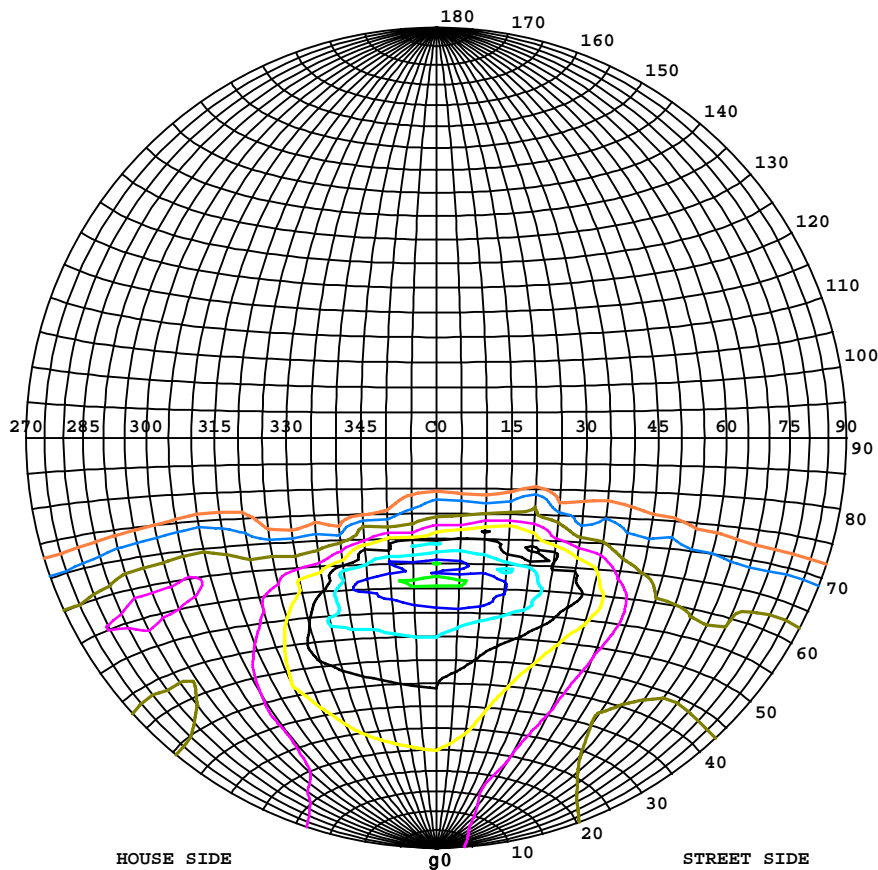
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

C:\Users\LAB\Desktop\LED\HIGH BAY\STREET\LEAF\STREET LEAF 30W 6000K.GOS

STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|---|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm | | |
| NAME: LEAF RANGE | TYPE:30W | WEIGHT:1.5 |
| DIM.: | SPEC.:6000K | SERIAL No.: |
| MFR.: LED MARKET SRL | SUR.: | PROTECTION ANGLE: |



Classification:

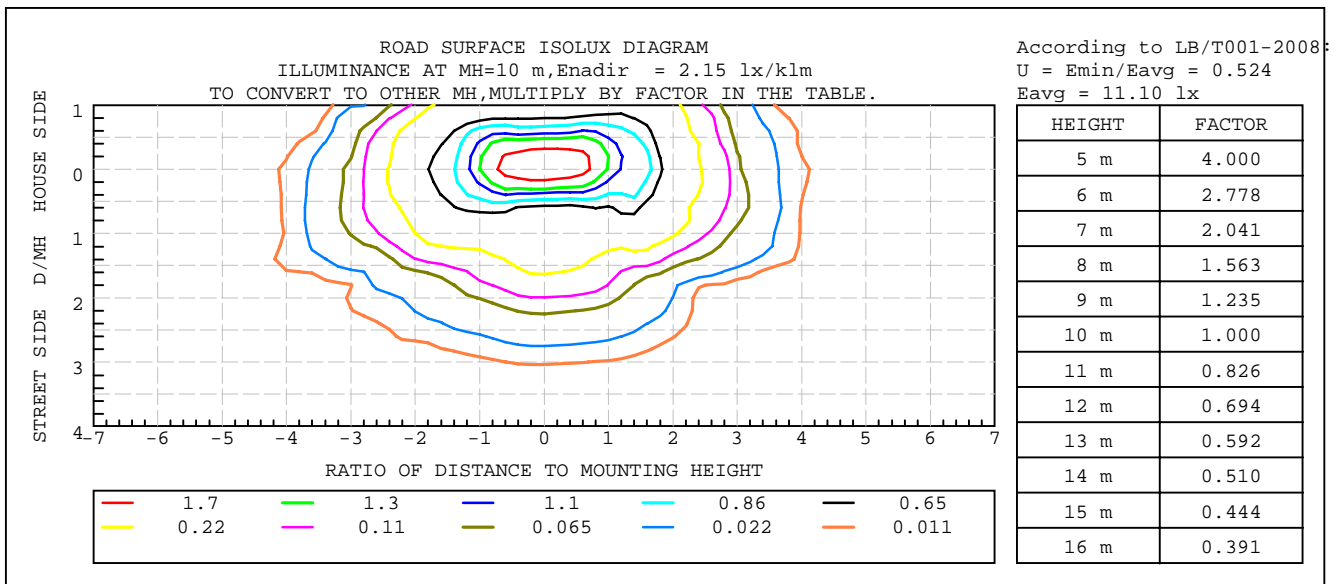
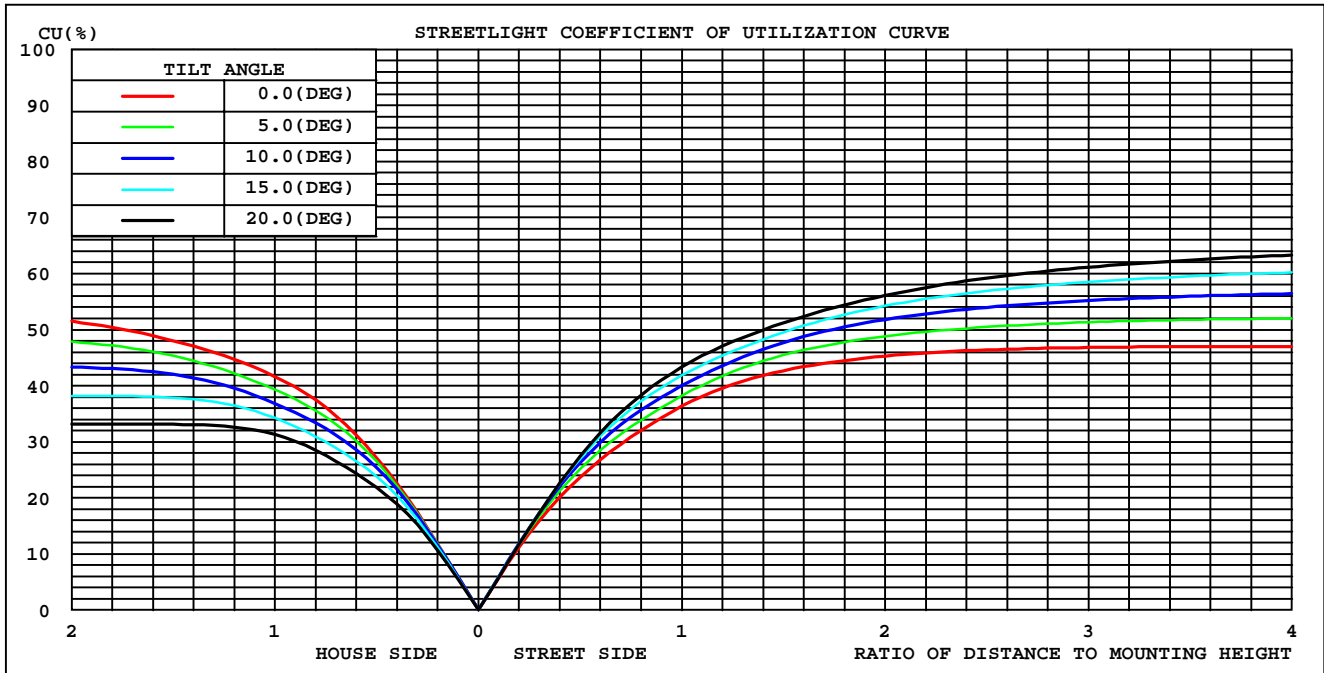
IES:Type II - Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:42.55cd/klm
 Max.At90:1.022cd/klm
 Max.80-90:42.55cd/klm
 NRB 5101:Semi limited[13.7%]

| ISOCANDELA DIAGRAM | |
|------------------------|--------|
| UNIT | cd/klm |
| I _{max} =100% | 666 |
| 90% | 599 |
| 80% | 533 |
| 70% | 466 |
| 60% | 400 |
| 50% | 333 |
| 40% | 266 |
| 30% | 200 |
| 20% | 133 |
| 10% | 67 |
| 5% | 33 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:22DEG
 Operators:ROMAN
 Test Date:2019-03-21

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: ROMAN
Test Date: 2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

| | | |
|---|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm | | |
| NAME: LEAF RANGE | TYPE:30W | WEIGHT:1.5 |
| DIM.: | SPEC.:6000K | SERIAL No.: |
| MFR.: LED MARKET SRL | SUR.: | PROTECTION ANGLE: |

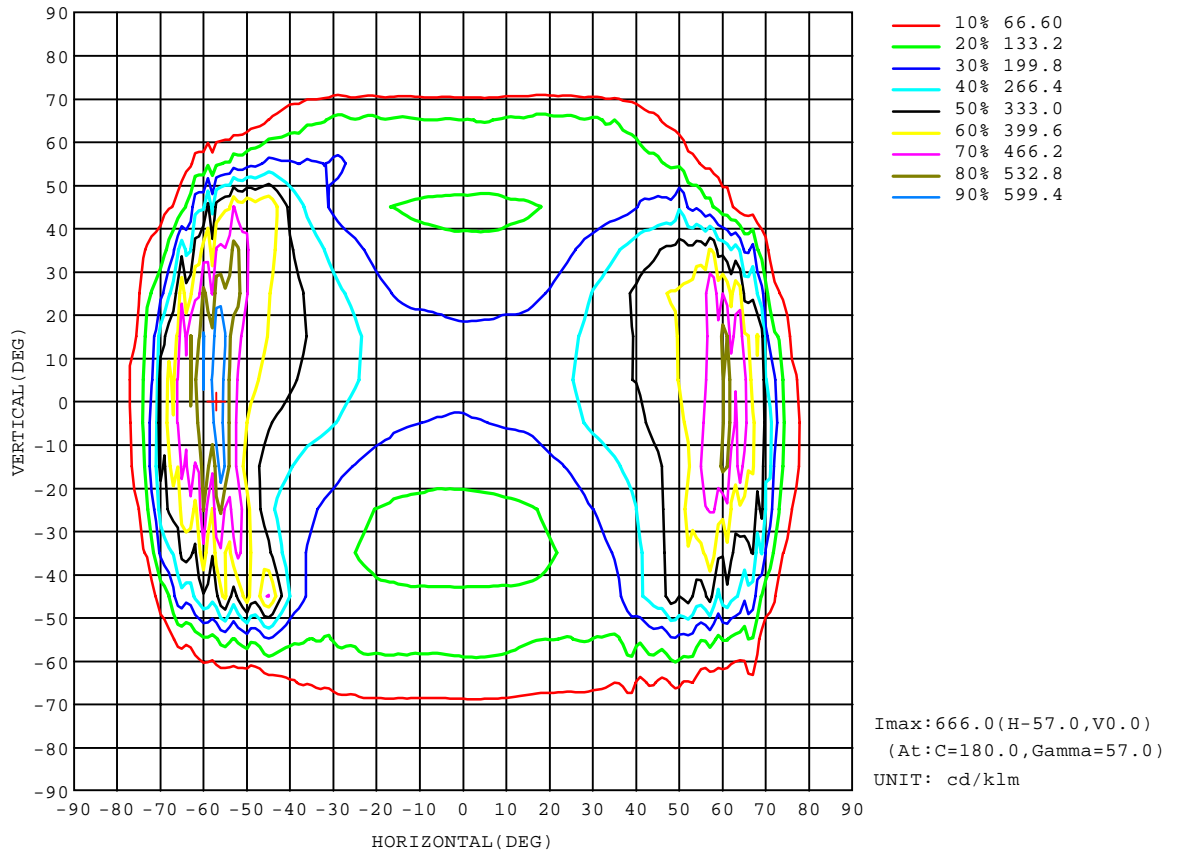
| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | \$lum,lamp |
|-----|---------------------------|-------|-------|-------|--------|-------|-------|-------|---------|-------------|---------|------------|
| 5 | 218.3 | 203.8 | 195.7 | 201.8 | 217.1 | 215.8 | 214.1 | 216.5 | 0- 5 | 5.060 | 5.060 | 0.50,0.51 |
| 10 | 224.0 | 193.1 | 176.5 | 189.4 | 219.8 | 220.1 | 213.2 | 218.3 | 5- 10 | 14.88 | 19.94 | 1.97,1.99 |
| 15 | 227.5 | 183.1 | 157.2 | 178.3 | 228.4 | 222.7 | 212.3 | 221.1 | 10- 15 | 24.23 | 44.17 | 4.38,4.42 |
| 20 | 247.2 | 172.9 | 134.8 | 167.5 | 243.6 | 226.7 | 194.1 | 221.2 | 15- 20 | 33.11 | 77.28 | 7.66,7.73 |
| 25 | 267.7 | 164.0 | 112.5 | 159.0 | 269.2 | 224.4 | 175.8 | 217.2 | 20- 25 | 41.50 | 118.8 | 11.8,11.9 |
| 30 | 296.5 | 157.8 | 90.16 | 147.1 | 292.0 | 228.5 | 157.5 | 216.0 | 25- 30 | 49.81 | 168.6 | 16.7,16.9 |
| 35 | 314.2 | 152.6 | 106.8 | 137.9 | 310.5 | 242.3 | 144.6 | 221.2 | 30- 35 | 58.55 | 227.1 | 22.5,22.7 |
| 40 | 334.2 | 159.0 | 123.4 | 135.7 | 334.5 | 250.5 | 131.6 | 229.7 | 35- 40 | 69.01 | 296.2 | 29.3,29.6 |
| 45 | 368.2 | 173.4 | 140.1 | 157.3 | 358.0 | 245.0 | 118.7 | 224.8 | 40- 45 | 80.51 | 376.7 | 37.3,37.7 |
| 50 | 400.4 | 178.7 | 146.0 | 175.0 | 412.4 | 245.8 | 145.5 | 205.4 | 45- 50 | 93.70 | 470.4 | 46.6,47 |
| 55 | 441.8 | 184.1 | 151.8 | 190.0 | 569.5 | 247.5 | 172.3 | 174.1 | 50- 55 | 111.9 | 582.3 | 57.7,58.2 |
| 60 | 512.9 | 181.8 | 157.7 | 174.6 | 599.0 | 233.6 | 199.1 | 178.4 | 55- 60 | 135.6 | 717.9 | 71.1,71.8 |
| 65 | 540.4 | 133.6 | 106.0 | 127.7 | 479.1 | 188.7 | 134.7 | 167.4 | 60- 65 | 134.0 | 851.9 | 84.4,85.2 |
| 70 | 296.5 | 72.90 | 54.23 | 62.90 | 411.1 | 107.0 | 70.21 | 109.4 | 65- 70 | 98.43 | 950.3 | 94.1,95 |
| 75 | 106.5 | 42.75 | 2.489 | 28.29 | 96.91 | 46.25 | 5.743 | 47.78 | 70- 75 | 47.16 | 997.5 | 98.8,99.7 |
| 80 | 22.14 | 1.813 | 0 | 2.542 | 6.728 | 2.594 | 0 | 2.550 | 75- 80 | 10.83 | 1008 | 99.9,101 |
| 85 | 2.794 | 0 | 0 | 0 | 2.054 | 0 | 0 | 0 | 80- 85 | 1.099 | 1009 | 100,101 |
| 90 | 1.022 | 0 | 0 | 0 | 0.9926 | 0 | 0 | 0 | 85- 90 | 0.1610 | 1010 | 100,101 |
| 95 | | | | | | | | | 90- 95 | | | |
| 100 | | | | | | | | | 95-100 | | | |
| 105 | | | | | | | | | 100-105 | | | |
| 110 | | | | | | | | | 105-110 | | | |
| 115 | | | | | | | | | 110-115 | | | |
| 120 | | | | | | | | | 115-120 | | | |
| 125 | | | | | | | | | 120-125 | | | |
| 130 | | | | | | | | | 125-130 | | | |
| 135 | | | | | | | | | 130-135 | | | |
| 140 | | | | | | | | | 135-140 | | | |
| 145 | | | | | | | | | 140-145 | | | |
| 150 | | | | | | | | | 145-150 | | | |
| 155 | | | | | | | | | 150-155 | | | |
| 160 | | | | | | | | | 155-160 | | | |
| 165 | | | | | | | | | 160-165 | | | |
| 170 | | | | | | | | | 165-170 | | | |
| 175 | | | | | | | | | 170-175 | | | |
| 180 | | | | | | | | | 175-180 | | | |
| DEG | LUMINOUS INTENSITY:cd/klm | | | | | | | | | UNIT:lm/klm | | |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:ROMAN
Test Date:2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

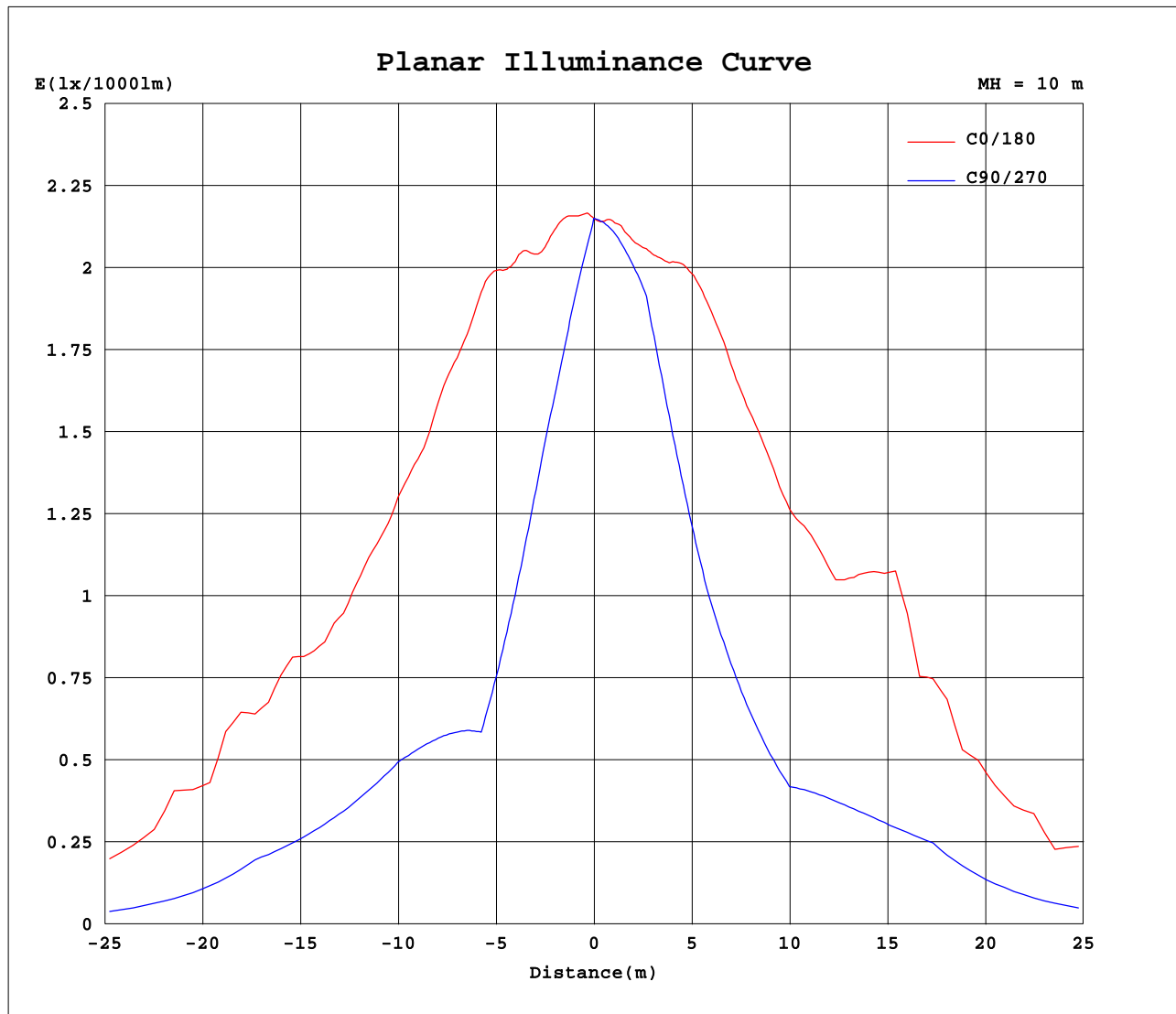
| | | |
|---|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm | | |
| NAME: LEAF RANGE | TYPE:30W | WEIGHT:1.5 |
| DIM.: | SPEC.:6000K | SERIAL No.: |
| MFR.: LED MARKET SRL | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:ROMAN
Test Date:2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 22DEG
Operators: ROMAN
Test Date: 2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------------|-------------------|
| Test:U:221.5V I:0.1300A P:28.20W PF:0.9740 Lamp Flux:4372.96x1 lm | | |
| NAME: LEAF RANGE | TYPE:30W | WEIGHT:1.5 |
| DIM.: | SPEC.:6000K | SERIAL No.: |
| MFR.: LED MARKET SRL | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd/klm

| C(DEC) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| g (DEC) | 0 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 | 215 |
| 5 | 196 | 196 | 196 | 196 | 197 | 198 | 199 | 200 | 202 | 203 | 205 | 207 | 208 | 210 | 212 | 214 | 215 | 217 | 217 |
| 10 | 176 | 177 | 177 | 179 | 180 | 182 | 184 | 186 | 189 | 193 | 196 | 199 | 202 | 206 | 209 | 213 | 216 | 220 | 220 |
| 15 | 157 | 157 | 159 | 160 | 162 | 166 | 170 | 174 | 178 | 183 | 188 | 193 | 199 | 205 | 211 | 217 | 223 | 228 | 228 |
| 20 | 135 | 136 | 137 | 140 | 144 | 150 | 155 | 161 | 167 | 174 | 183 | 193 | 201 | 210 | 219 | 227 | 236 | 244 | 243 |
| 25 | 113 | 114 | 116 | 121 | 126 | 131 | 138 | 146 | 159 | 170 | 181 | 192 | 205 | 219 | 232 | 245 | 258 | 269 | 270 |
| 30 | 90.4 | 92.0 | 95.6 | 101 | 106 | 113 | 123 | 135 | 147 | 162 | 178 | 195 | 213 | 231 | 248 | 263 | 278 | 292 | 293 |
| 35 | 106 | 106 | 106 | 104 | 104 | 105 | 107 | 121 | 138 | 158 | 180 | 202 | 223 | 241 | 259 | 277 | 294 | 310 | 314 |
| 40 | 123 | 122 | 122 | 120 | 120 | 120 | 123 | 127 | 136 | 160 | 185 | 209 | 230 | 249 | 272 | 295 | 315 | 335 | 340 |
| 45 | 140 | 139 | 137 | 135 | 134 | 135 | 138 | 144 | 157 | 174 | 194 | 219 | 244 | 267 | 288 | 314 | 338 | 358 | 369 |
| 50 | 145 | 144 | 143 | 144 | 144 | 148 | 151 | 158 | 175 | 196 | 221 | 238 | 268 | 316 | 343 | 364 | 394 | 412 | 423 |
| 55 | 150 | 148 | 148 | 149 | 147 | 147 | 150 | 159 | 190 | 233 | 302 | 357 | 371 | 437 | 487 | 516 | 564 | 569 | 569 |
| 60 | 154 | 153 | 154 | 153 | 150 | 140 | 138 | 145 | 175 | 268 | 465 | 376 | 462 | 398 | 529 | 498 | 575 | 599 | 585 |
| 65 | 104 | 106 | 111 | 118 | 124 | 121 | 110 | 111 | 128 | 210 | 235 | 321 | 410 | 343 | 422 | 473 | 476 | 479 | 488 |
| 70 | 53.6 | 55.5 | 59.7 | 65.1 | 69.9 | 73.0 | 69.5 | 73.5 | 62.9 | 47.6 | 93.8 | 174 | 224 | 285 | 336 | 341 | 341 | 411 | 323 |
| 75 | 3.01 | 4.78 | 8.11 | 12.6 | 17.2 | 22.8 | 26.5 | 30.3 | 28.3 | 18.8 | 28.4 | 30.4 | 61.7 | 133 | 119 | 126 | 108 | 96.9 | 94.3 |
| 80 | 0.02 | 0.08 | 0.21 | 0.45 | 0.67 | 1.12 | 1.55 | 2.05 | 2.54 | 2.74 | 7.00 | 8.42 | 3.32 | 3.14 | 13.1 | 5.25 | 6.47 | 6.73 | 23.3 |
| 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 | 0.48 | 1.19 | 1.57 | 1.64 | 2.11 | 2.05 | 2.87 |
| 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 | 0.99 | 0.00 |

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:22DEG
Operators:ROMAN
Test Date:2019-03-21

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

