

IES ROAD REPORT
PHOTOMETRIC FILENAME : MXW11-150IN.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] Photopia 2.0.0.14 PHOTOMETRIC REPORT
 [MANUFAC] TMS LIGHTING
 [LUMINAIRE] MAXXIMUS WALL LUMINAIRE
 [MORE] 11" DIA. ALUMINUM REFLECTOR
 [MORE] WHITE FINISH ON INNER SURFACE
 [MORE] G11 CLEAR GLASS GLOBE AND CAST GUARD
 [LUMCAT] MXW0011-150IN-120-F##-G11
 [LAMP] 150W INC A21 FROSTED

CHARACTERISTICS

| | |
|---|----------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Cutoff Classification (deprecated) | Cutoff |
| Lumens Per Lamp | 2670 (1 lamp) |
| Total Lamp Lumens | 2670 |
| Luminaire Lumens | 2029 |
| Total Luminaire Efficiency | 76 % |
| Downward Total Efficiency | 76 % |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 546.287 |
| Maximum Candela Angle | 22.5H 5V |
| Maximum Candela (<90 Degrees Vertical) | 546.287 |
| Maximum Candela Angle (<90 Degrees Vertical) | 22.5H 5V |
| Maximum Candela At 90 Degrees Vertical | 12.821 (0.5% Lamp Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 115.943 (4.3% Lamp Lumens) |
| Total Luminaire Watts | 150 |
| Ballast Factor | 1.00 |

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

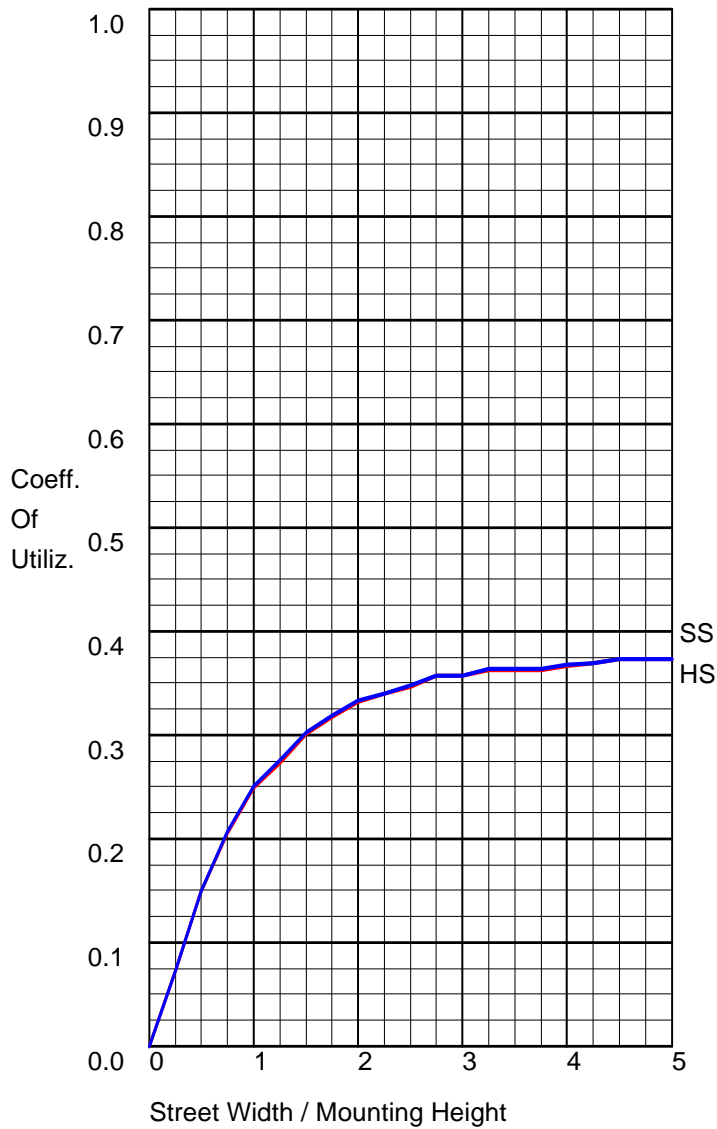
| | Lumens | % Lamp | % Luminaire |
|-------------------------------|---------------|-------------|--------------|
| FL - Front-Low (0-30) | 209.8 | 7.9 | 10.3 |
| FM - Front-Medium (30-60) | 500.7 | 18.8 | 24.7 |
| FH - Front-High (60-80) | 273.1 | 10.2 | 13.5 |
| FVH - Front-Very High (80-90) | 29.5 | 1.1 | 1.5 |
| BL - Back-Low (0-30) | 210.3 | 7.9 | 10.4 |
| BM - Back-Medium (30-60) | 502.5 | 18.8 | 24.8 |
| BH - Back-High (60-80) | 272.3 | 10.2 | 13.4 |
| BVH - Back-Very High (80-90) | 28.4 | 1.1 | 1.4 |
| UL - Uplight-Low (90-100) | 2.9 | 0.1 | 0.1 |
| UH - Uplight-High (100-180) | 0.0 | 0.0 | 0.0 |
| Total | 2029.5 | 76.1 | 100.0 |
| BUG Rating | B1-U1-G1 | | |

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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | |
|--------------|-------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
| 0 | 473.643 | 473.643 | 473.643 | 473.643 | 473.643 | 473.643 | 473.643 | 473.643 | 473.643 |
| 5 | 486.808 | 546.287 | 513.892 | 520.401 | 507.350 | 522.057 | 533.188 | 483.464 | 482.758 |
| 10 | 520.663 | 526.139 | 538.287 | 519.040 | 487.939 | 523.761 | 492.398 | 532.172 | 535.680 |
| 15 | 525.516 | 520.417 | 497.055 | 514.859 | 502.448 | 506.974 | 486.775 | 507.219 | 530.106 |
| 20 | 500.956 | 499.661 | 492.283 | 499.333 | 483.316 | 498.661 | 499.186 | 507.777 | 513.236 |
| 25 | 492.169 | 506.547 | 490.251 | 486.234 | 493.021 | 495.710 | 499.989 | 508.317 | 493.317 |
| 30 | 494.448 | 481.053 | 467.741 | 463.773 | 460.527 | 484.120 | 483.709 | 485.480 | 479.004 |
| 35 | 479.184 | 460.477 | 464.315 | 470.741 | 461.921 | 469.004 | 459.626 | 468.445 | 476.758 |
| 40 | 453.412 | 453.576 | 457.133 | 446.231 | 453.165 | 447.215 | 456.363 | 452.625 | 458.904 |
| 45 | 448.034 | 446.559 | 427.967 | 439.952 | 439.017 | 453.690 | 440.738 | 449.510 | 458.150 |
| 50 | 431.885 | 419.016 | 425.131 | 431.902 | 427.082 | 432.082 | 424.360 | 435.558 | 426.442 |
| 55 | 431.541 | 419.508 | 411.262 | 415.409 | 426.705 | 414.114 | 412.606 | 404.195 | 421.623 |
| 60 | 387.308 | 391.505 | 380.571 | 381.029 | 387.160 | 388.981 | 382.373 | 380.472 | 379.848 |
| 65 | 350.731 | 354.732 | 340.715 | 343.502 | 348.698 | 350.912 | 342.026 | 341.108 | 358.929 |
| 70 | 295.629 | 281.497 | 288.055 | 282.464 | 289.924 | 280.644 | 287.071 | 285.218 | 281.759 |
| 75 | 197.966 | 196.327 | 188.572 | 193.245 | 194.671 | 197.130 | 197.016 | 193.523 | 198.573 |
| 80 | 115.943 | 115.894 | 115.156 | 111.976 | 111.698 | 111.009 | 109.549 | 103.008 | 106.959 |
| 85 | 48.200 | 42.938 | 47.102 | 44.298 | 48.480 | 46.135 | 44.889 | 42.200 | 47.003 |
| 90 | 9.854 | 11.427 | 11.444 | 11.361 | 9.427 | 9.493 | 7.738 | 12.821 | 11.444 |
| 95 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 100 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

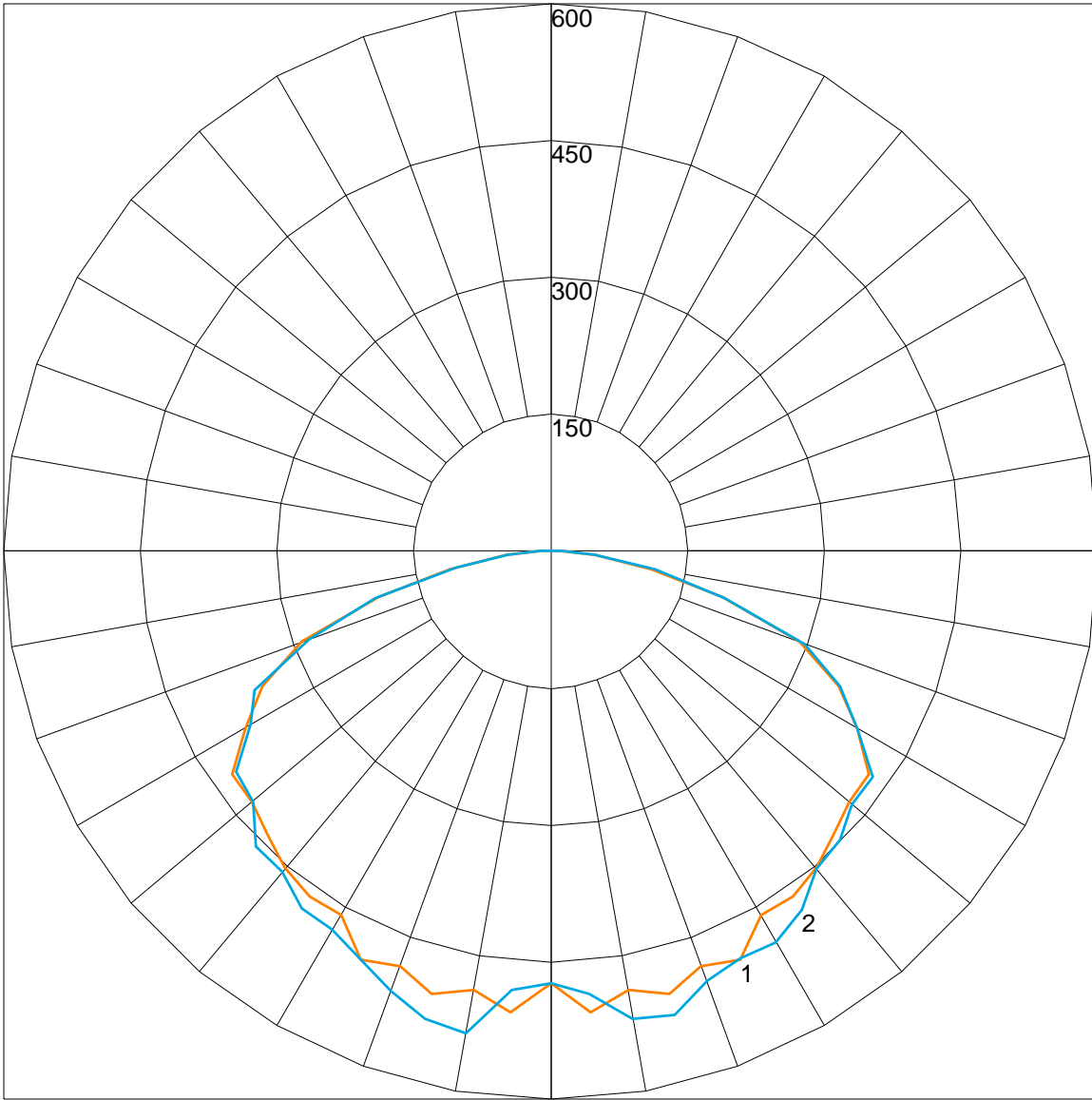
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FLUX DISTRIBUTION

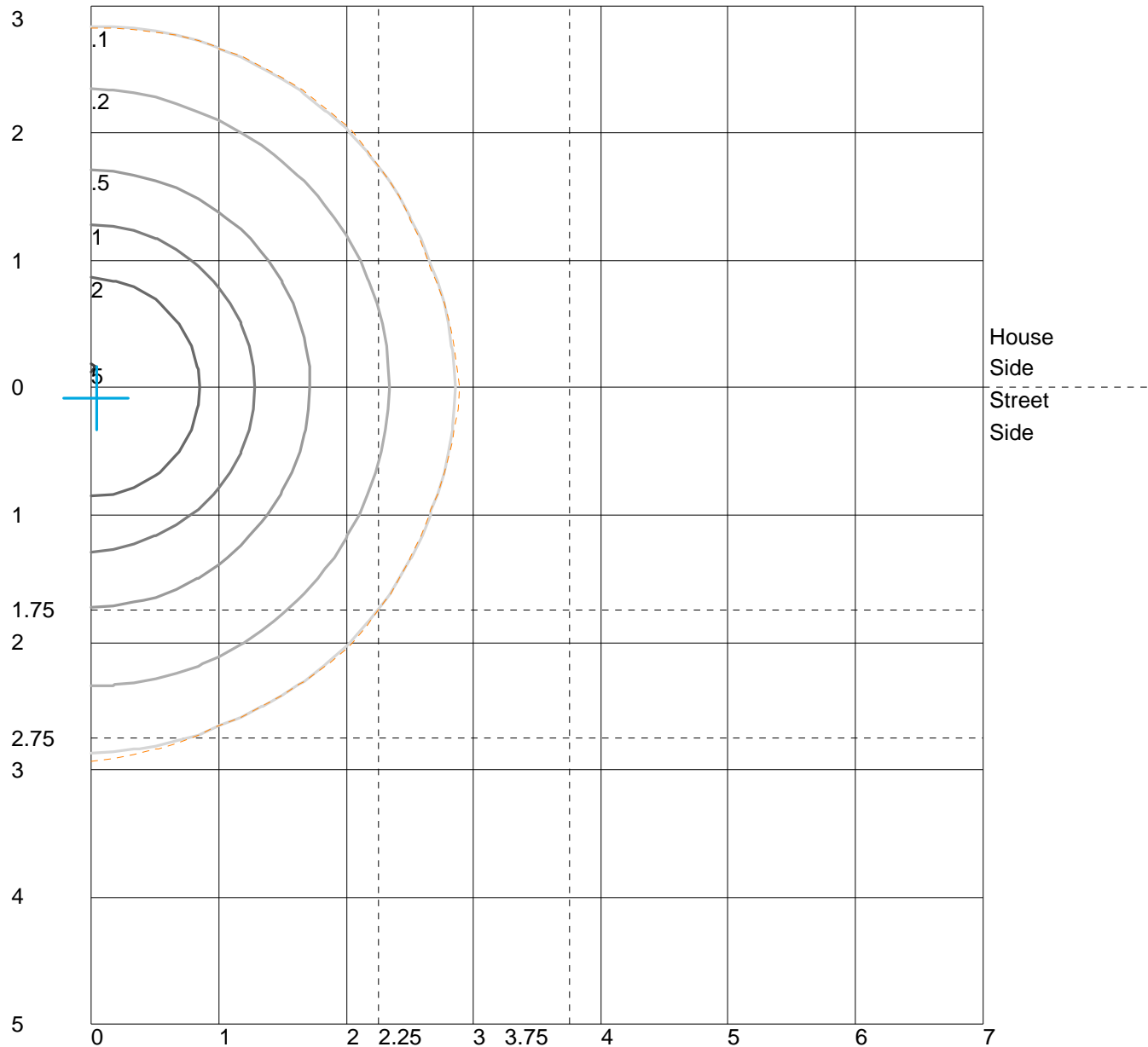
| | Lumens | Percent Of Lamp |
|----------------------|---------------|-----------------|
| Downward Street Side | 1013.0 | 37.9 |
| Downward House Side | 1013.5 | 38.0 |
| Downward Total | 2026.5 | 75.9 |
| Upward Street Side | 1.5 | 0.1 |
| Upward House Side | 1.4 | 0.1 |
| Upward Total | 2.9 | 0.1 |
| Total Flux | 2029.4 | 76.0 |

POLAR GRAPH



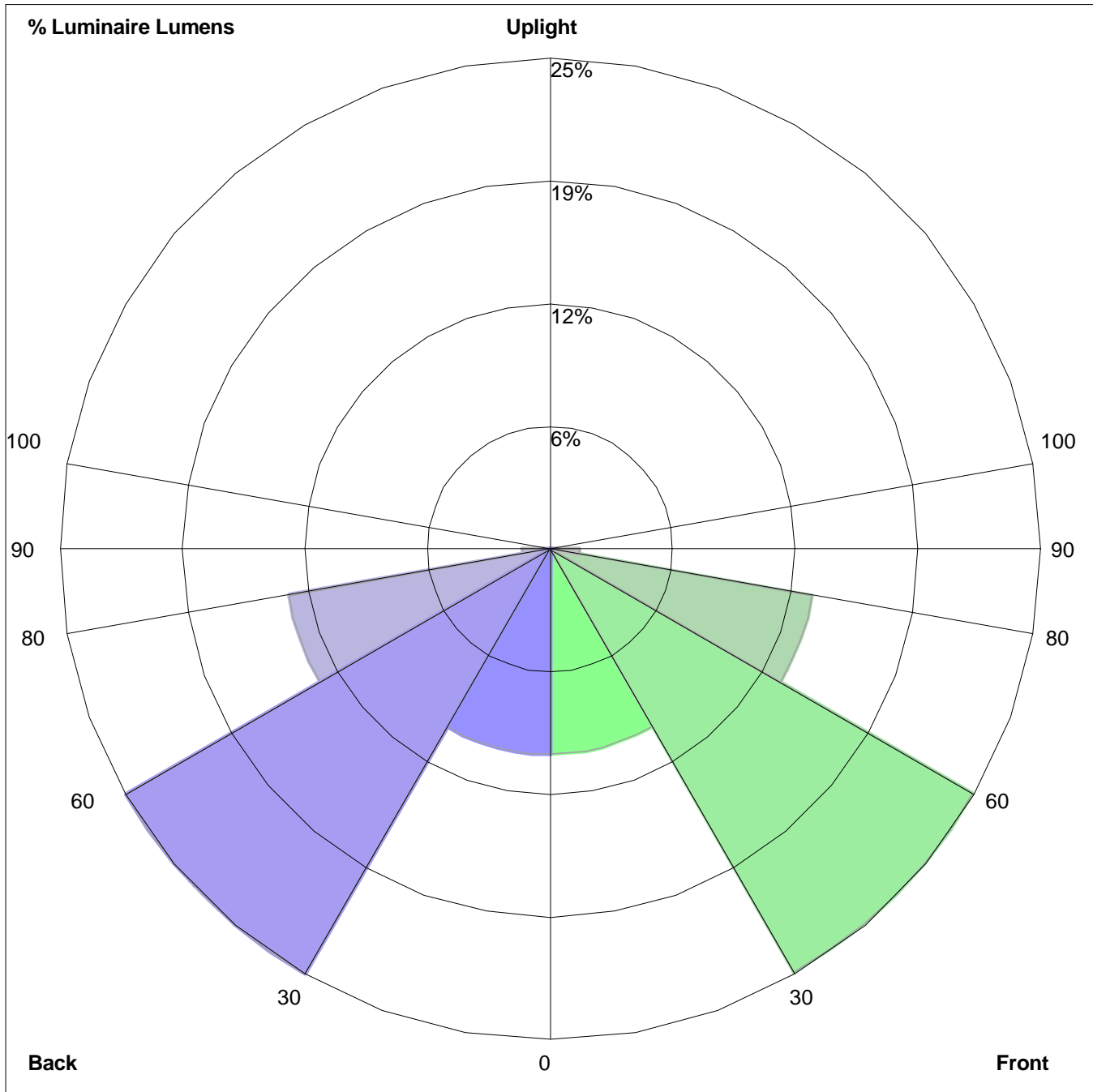
Maximum Candela = 546.287 Located At Horizontal Angle = 22.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Luminaire Lumens:
Front: Low=10.3%, Medium=24.7%, High=13.5%, Very High=1.5%
Back: Low=10.4%, Medium=24.8%, High=13.4%, Very High=1.4%
Uplight: Low=0.1%, High=0.0%

BUG Rating : B1-U1-G1