

clex12.ies

[TESTLAB]Intertek

[ISSUEDATE] 1/28/2011

[MANUFAC]INFINILUX, INC.

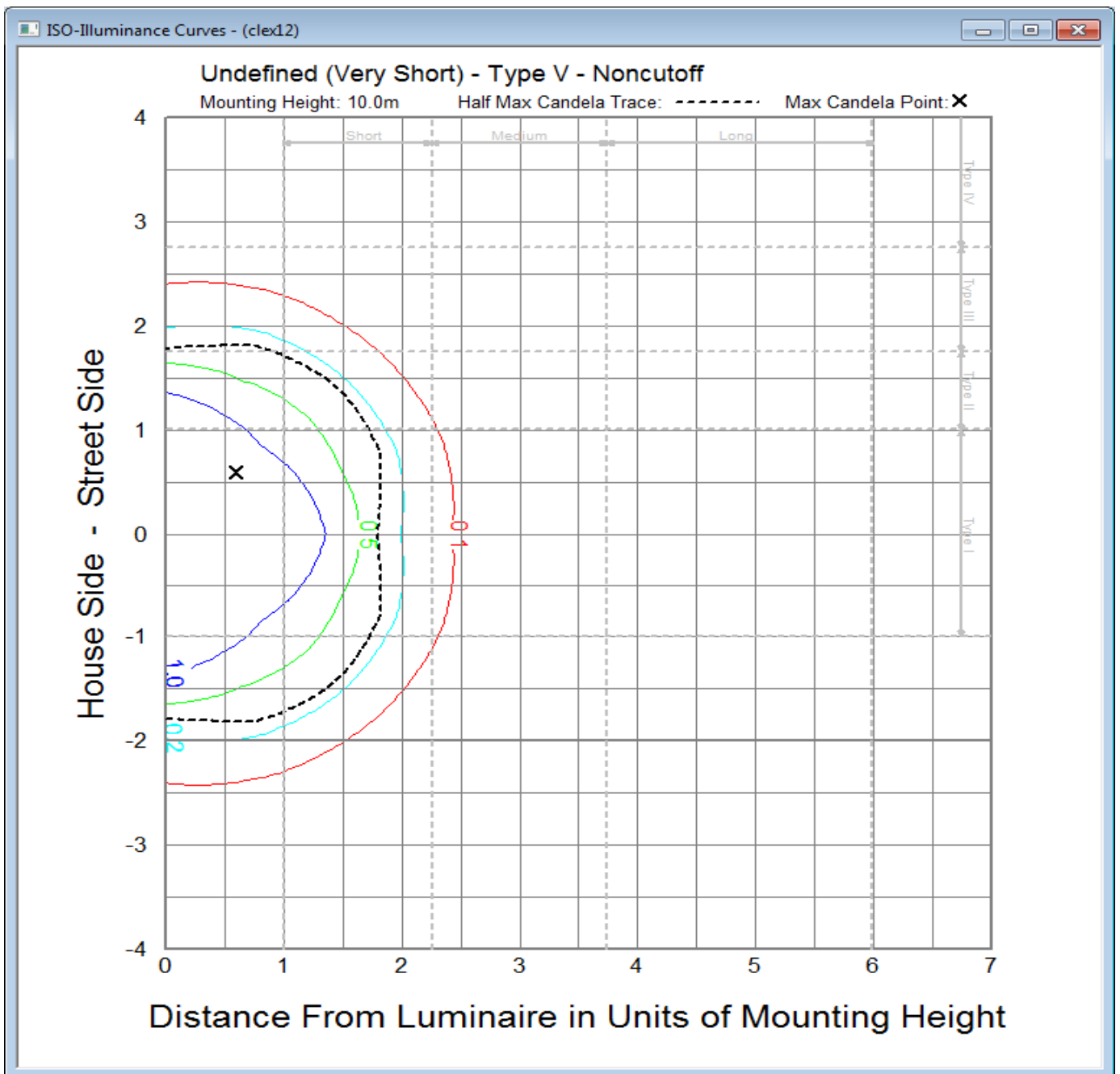
[LUMCAT]CLX12

[LUMINAIRE]LED LOW BAY LAMP

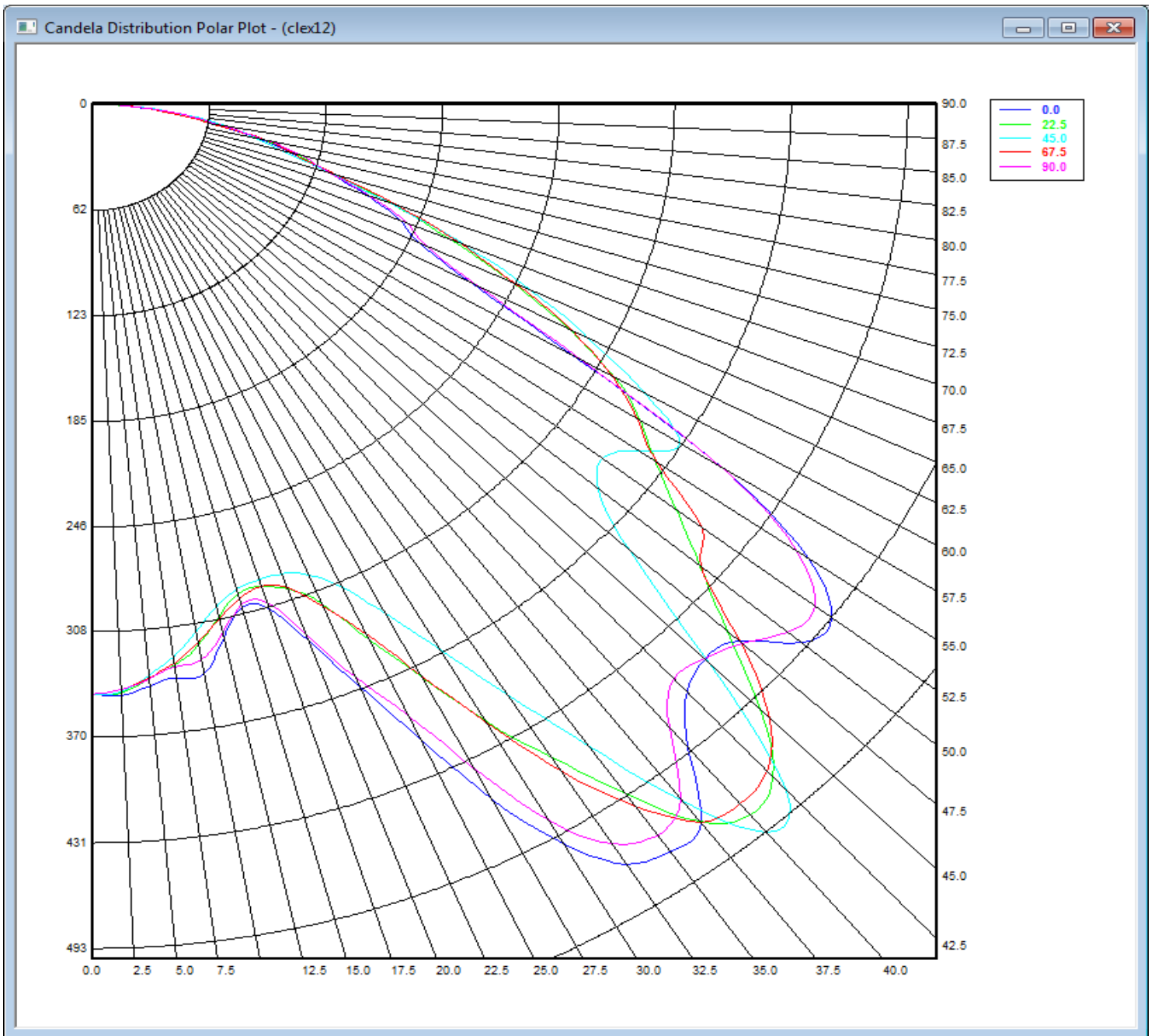
[LAMP]LED

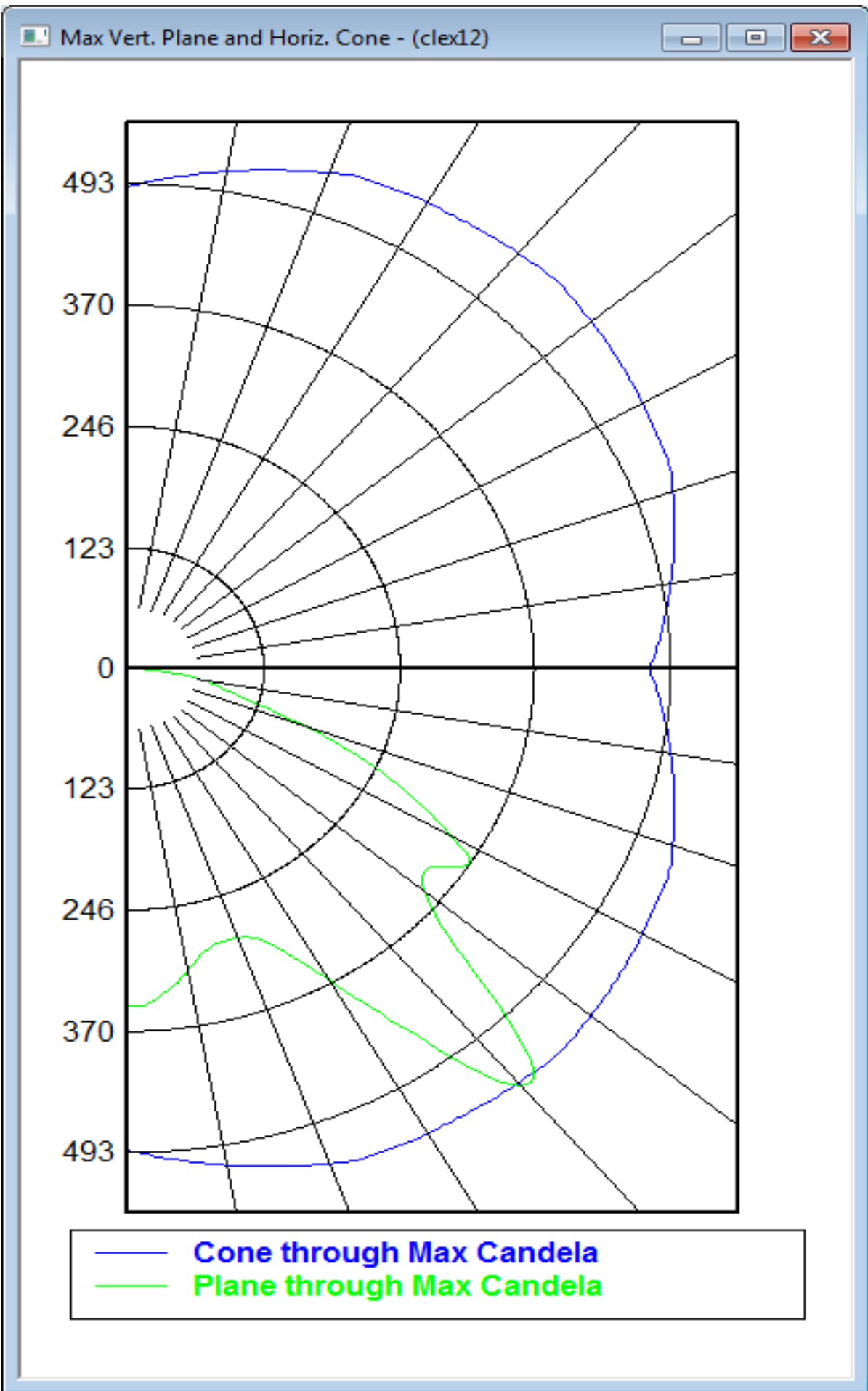
[LAMPCAT]NA. LUMINAIRE OUTPUT = 1340 LMS

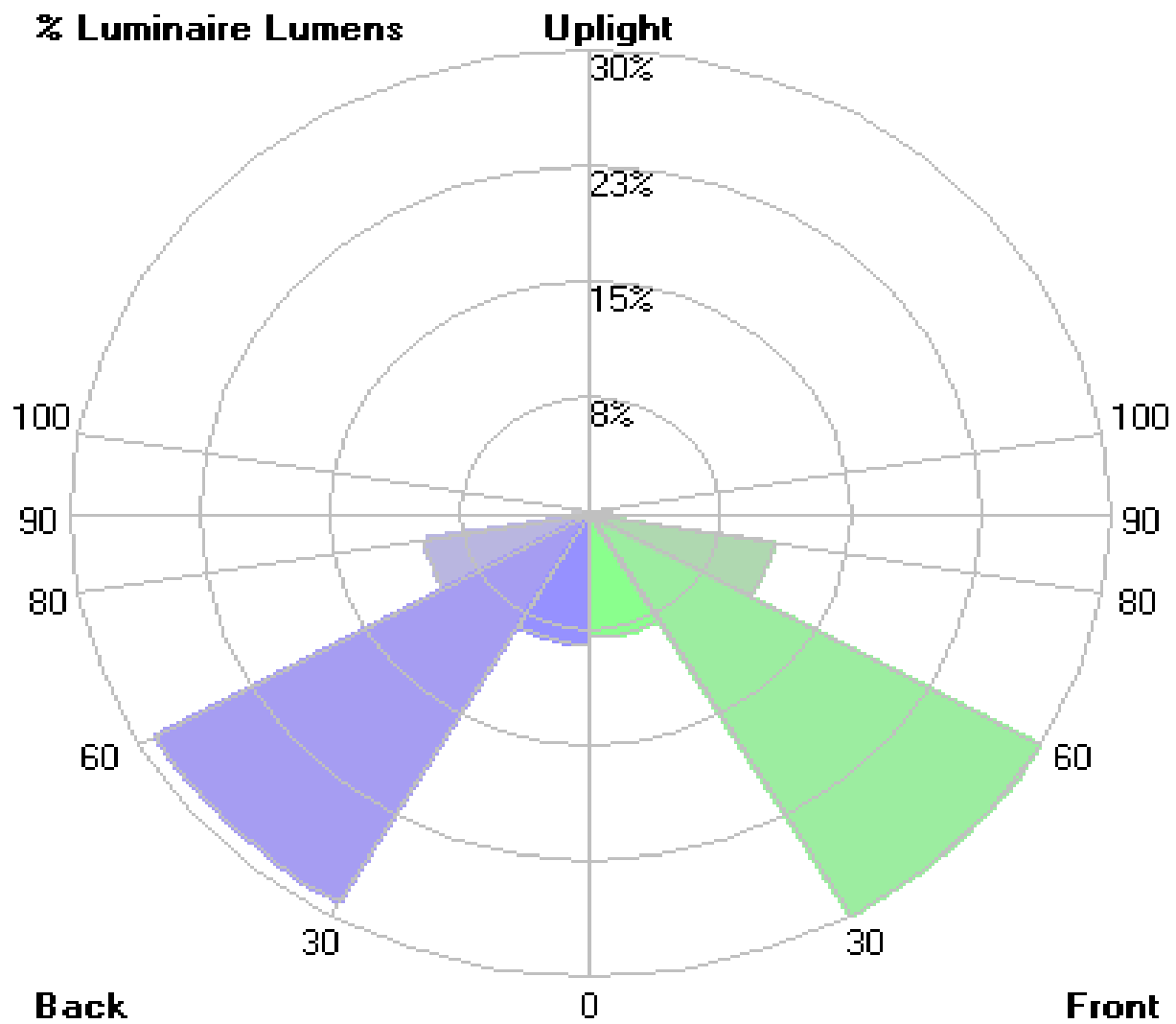
[OTHER]120.0V, 241.7mA, 29.00W, 0.9955PF



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**Illuminance at a Distance**

|       | Center Beam FC | Beam Width     |                |
|-------|----------------|----------------|----------------|
| 8.3R  | <b>4.96 fc</b> | <b>29.1ft</b>  | <b>25.6ft</b>  |
| 16.7R | <b>1.24 fc</b> | <b>58.2ft</b>  | <b>51.3ft</b>  |
| 25.0R | <b>0.55 fc</b> | <b>87.3ft</b>  | <b>76.9ft</b>  |
| 33.3R | <b>0.31 fc</b> | <b>116.4ft</b> | <b>102.5ft</b> |
| 41.7R | <b>0.20 fc</b> | <b>145.5ft</b> | <b>128.1ft</b> |
| 50.0R | <b>0.14 fc</b> | <b>174.6ft</b> | <b>153.8ft</b> |

■ Vert. Spread: 120.4°     
 ■ Horiz. Spread: 113.9°

CANDELA DISTRIBUTION

Lumen basis: NA

Internal multiplier: 1.00

Ballast factor: 1.00

Tilt factor geometry: No tilt factor.

Candela Distribution:

|              | <b>0</b> | <b>22.5</b> | <b>45</b> | <b>67.5</b> | <b>90</b> |
|--------------|----------|-------------|-----------|-------------|-----------|
| <b>0.0</b>   | 344.5    | 344.5       | 344.5     | 344.5       | 344.5     |
| <b>2.5</b>   | 345.5    | 344.1       | 343.3     | 342.2       | 342.3     |
| <b>5.0</b>   | 341.3    | 337.0       | 335.1     | 336.3       | 337.1     |
| <b>7.5</b>   | 338.0    | 330.2       | 325.6     | 329.2       | 331.3     |
| <b>10.0</b>  | 337.8    | 320.9       | 313.1     | 319.1       | 329.8     |
| <b>12.5</b>  | 318.7    | 306.9       | 301.0     | 308.3       | 316.3     |
| <b>15.0</b>  | 304.2    | 295.9       | 293.3     | 299.0       | 302.8     |
| <b>17.5</b>  | 309.0    | 295.4       | 291.2     | 295.5       | 304.9     |
| <b>20.0</b>  | 333.9    | 301.6       | 292.0     | 300.8       | 329.7     |
| <b>22.5</b>  | 368.2    | 315.9       | 297.5     | 317.8       | 362.3     |
| <b>25.0</b>  | 408.7    | 345.2       | 311.4     | 341.0       | 393.9     |
| <b>27.5</b>  | 458.8    | 378.0       | 335.7     | 376.4       | 438.6     |
| <b>30.0</b>  | 499.2    | 416.6       | 368.6     | 418.1       | 483.4     |
| <b>32.5</b>  | 526.0    | 453.3       | 410.5     | 462.8       | 511.9     |
| <b>35.0</b>  | 533.0    | 491.1       | 457.3     | 500.0       | 521.2     |
| <b>37.5</b>  | 529.0    | 528.0       | 513.4     | 528.3       | 511.0     |
| <b>40.0</b>  | 490.4    | 541.8       | 554.5     | 533.1       | 474.8     |
| <b>42.5</b>  | 465.7    | 533.1       | 542.9     | 528.5       | 455.3     |
| <b>45.0</b>  | 458.4    | 500.1       | 461.5     | 506.4       | 457.9     |
| <b>47.5</b>  | 464.0    | 456.0       | 385.6     | 465.7       | 466.3     |
| <b>50.0</b>  | 489.1    | 419.7       | 349.9     | 420.7       | 479.8     |
| <b>52.5</b>  | 493.0    | 390.1       | 339.7     | 406.7       | 481.9     |
| <b>55.0</b>  | 462.3    | 364.2       | 351.6     | 365.5       | 455.1     |
| <b>57.5</b>  | 396.6    | 343.8       | 368.6     | 342.4       | 396.4     |
| <b>60.0</b>  | 296.4    | 320.0       | 338.2     | 318.1       | 299.9     |
| <b>62.5</b>  | 225.7    | 284.8       | 297.1     | 286.6       | 229.8     |
| <b>65.0</b>  | 189.7    | 243.6       | 254.7     | 246.2       | 194.0     |
| <b>67.5</b>  | 175.3    | 203.7       | 210.5     | 208.0       | 179.0     |
| <b>70.0</b>  | 153.1    | 167.4       | 165.6     | 170.9       | 155.5     |
| <b>72.5</b>  | 129.4    | 132.6       | 129.9     | 133.1       | 130.4     |
| <b>75.0</b>  | 108.4    | 110.4       | 102.8     | 109.1       | 113.7     |
| <b>77.5</b>  | 88.2     | 90.8        | 86.2      | 91.9        | 91.9      |
| <b>80.0</b>  | 66.3     | 65.0        | 71.2      | 64.5        | 67.6      |
| <b>82.5</b>  | 51.0     | 47.1        | 54.4      | 47.1        | 52.2      |
| <b>85.0</b>  | 32.7     | 32.5        | 37.9      | 32.1        | 33.4      |
| <b>87.5</b>  | 18.3     | 19.6        | 22.0      | 20.0        | 18.8      |
| <b>90.0</b>  | 11.2     | 10.7        | 11.6      | 11.5        | 11.9      |
| <b>92.5</b>  | 6.2      | 5.0         | 6.2       | 8.6         | 8.5       |
| <b>95.0</b>  | 0.0      | 0.3         | 4.0       | 6.2         | 5.7       |
| <b>97.5</b>  | 0.0      | 0.0         | 2.5       | 4.6         | 4.4       |
| <b>100.0</b> | 0.0      | 0.0         | 0.3       | 2.8         | 2.9       |
| <b>102.5</b> | 0.0      | 0.0         | 0.0       | 0.9         | 1.3       |
| <b>105.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.1       |

Candela Distribution (continued):

|              | <b>0</b> | <b>22.5</b> | <b>45</b> | <b>67.5</b> | <b>90</b> |
|--------------|----------|-------------|-----------|-------------|-----------|
| <b>107.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>110.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>112.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>115.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>117.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>120.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>122.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>125.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>127.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>130.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>132.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>135.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>137.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>140.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>142.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>145.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>147.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>150.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>152.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>155.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>157.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>160.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>162.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>165.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>167.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>170.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>172.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>175.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>177.5</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |
| <b>180.0</b> | 0.0      | 0.0         | 0.0       | 0.0         | 0.0       |

ZONAL LUMENS

| Cone  | Between        | Lumens | Cone  | Between        | Lumens |
|-------|----------------|--------|-------|----------------|--------|
| 0.6   | 0 -1.25        | 0.52   | 120.0 | 118.75 -121.25 | 0.00   |
| 2.5   | 1.25 -3.75     | 4.11   | 122.5 | 121.25 -123.75 | 0.00   |
| 5.0   | 3.75 -6.25     | 8.05   | 125.0 | 123.75 -126.25 | 0.00   |
| 7.5   | 6.25 -8.75     | 11.80  | 127.5 | 126.25 -128.75 | 0.00   |
| 10.0  | 8.75 -11.25    | 15.31  | 130.0 | 128.75 -131.25 | 0.00   |
| 12.5  | 11.25 -13.75   | 18.30  | 132.5 | 131.25 -133.75 | 0.00   |
| 15.0  | 13.75 -16.25   | 21.14  | 135.0 | 133.75 -136.25 | 0.00   |
| 17.5  | 16.25 -18.75   | 24.50  | 137.5 | 136.25 -138.75 | 0.00   |
| 20.0  | 18.75 -21.25   | 28.74  | 140.0 | 138.75 -141.25 | 0.00   |
| 22.5  | 21.25 -23.75   | 34.00  | 142.5 | 141.25 -143.75 | 0.00   |
| 25.0  | 23.75 -26.25   | 40.52  | 145.0 | 143.75 -146.25 | 0.00   |
| 27.5  | 26.25 -28.75   | 48.69  | 147.5 | 146.25 -148.75 | 0.00   |
| 30.0  | 28.75 -31.25   | 58.07  | 150.0 | 148.75 -151.25 | 0.00   |
| 32.5  | 31.25 -33.75   | 67.96  | 152.5 | 151.25 -153.75 | 0.00   |
| 35.0  | 33.75 -36.25   | 77.65  | 155.0 | 153.75 -156.25 | 0.00   |
| 37.5  | 36.25 -38.75   | 87.18  | 157.5 | 156.25 -158.75 | 0.00   |
| 40.0  | 38.75 -41.25   | 93.04  | 160.0 | 158.75 -161.25 | 0.00   |
| 42.5  | 41.25 -43.75   | 95.61  | 162.5 | 161.25 -163.75 | 0.00   |
| 45.0  | 43.75 -46.25   | 93.34  | 165.0 | 163.75 -166.25 | 0.00   |
| 47.5  | 46.25 -48.75   | 89.55  | 167.5 | 166.25 -168.75 | 0.00   |
| 50.0  | 48.75 -51.25   | 87.92  | 170.0 | 168.75 -171.25 | 0.00   |
| 52.5  | 51.25 -53.75   | 88.29  | 172.5 | 171.25 -173.75 | 0.00   |
| 55.0  | 53.75 -56.25   | 86.45  | 175.0 | 173.75 -176.25 | 0.00   |
| 57.5  | 56.25 -58.75   | 83.88  | 177.5 | 176.25 -178.75 | 0.00   |
| 60.0  | 58.75 -61.25   | 75.64  | 179.4 | 178.75 -180    | 0.00   |
| 62.5  | 61.25 -63.75   | 66.64  |       |                |        |
| 65.0  | 63.75 -66.25   | 58.15  |       |                |        |
| 67.5  | 66.25 -68.75   | 50.60  |       |                |        |
| 70.0  | 68.75 -71.25   | 42.38  |       |                |        |
| 72.5  | 71.25 -73.75   | 34.34  |       |                |        |
| 75.0  | 73.75 -76.25   | 28.68  |       |                |        |
| 77.5  | 76.25 -78.75   | 24.01  |       |                |        |
| 80.0  | 78.75 -81.25   | 18.05  |       |                |        |
| 82.5  | 81.25 -83.75   | 13.60  |       |                |        |
| 85.0  | 83.75 -86.25   | 9.25   |       |                |        |
| 87.5  | 86.25 -88.75   | 5.48   |       |                |        |
| 90.0  | 88.75 -91.25   | 3.10   |       |                |        |
| 92.5  | 91.25 -93.75   | 1.86   |       |                |        |
| 95.0  | 93.75 -96.25   | 0.91   |       |                |        |
| 97.5  | 96.25 -98.75   | 0.63   |       |                |        |
| 100.0 | 98.75 -101.25  | 0.30   |       |                |        |
| 102.5 | 101.25 -103.75 | 0.10   |       |                |        |
| 105.0 | 103.75 -106.25 | 0.00   |       |                |        |
| 107.5 | 106.25 -108.75 | 0.00   |       |                |        |
| 110.0 | 108.75 -111.25 | 0.00   |       |                |        |
| 112.5 | 111.25 -113.75 | 0.00   |       |                |        |
| 115.0 | 113.75 -116.25 | 0.00   |       |                |        |
| 117.5 | 116.25 -118.75 | 0.00   |       |                |        |

| Zonal Lumen Summary |        |       |
|---------------------|--------|-------|
| Zone                | Lumens | %Fixt |
| 0-10                | 32     | 1.9   |
| 10-20               | 86     | 5.1   |
| 20-30               | 167    | 9.8   |
| 30-40               | 308    | 18.2  |
| 40-50               | 369    | 21.7  |
| 50-60               | 340    | 20.0  |
| 60-70               | 234    | 13.8  |
| 70-80               | 117    | 6.9   |
| 80-90               | 39     | 2.3   |
| 0-30                | 285    | 16.8  |
| 0-40                | 593    | 34.9  |
| 0-60                | 1302   | 76.7  |
| 0-90                | 1693   | 99.7  |
| 90-120              | 5      | 0.3   |
| 90-150              | 5      | 0.3   |
| 90-180              | 5      | 0.3   |
| 0-180               | 1698   | 100   |

IESNA Type V, Undefined (Very Short)

Cutoff classification: Noncutoff

IESNA TM-15-07 BUG Rating

B1 U1 G1

Maximum candela = 554 occurs at 45.00 horizontal, 40.00 vertical.

INDOOR REPORT

Luminaire Spacing Criterion (spacing to mounting height ratio)

Two luminaires, plane 0: 1.91

Two luminaires, plane 90: 1.90

Four luminaires: 1.75

Full Beam Angle:

0-180° 90-270°

121.36 121.62

Coefficients of Utilization - Zonal Cavity Method

pfc = 0.20

pcc-> .8 .7 .5 .3 .1 0

pw-> .7 .5 .3 0 .7 .5 .3 0 .5 .3 0 .5 .3 0 .5 .3 0 0

RCR

|    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 108 | 103 | 98  | 92  | 105 | 100 | 96  | 91  | 96  | 93  | 88  | 92  | 89  | 85  | 83  | 83  | 83  | 82  |
| 2  | 97  | 88  | 81  | 72  | 94  | 86  | 80  | 71  | 83  | 77  | 70  | 79  | 75  | 69  | 67  | 67  | 67  | 67  |
| 3  | 88  | 76  | 68  | 58  | 85  | 75  | 67  | 57  | 72  | 65  | 56  | 69  | 63  | 56  | 55  | 55  | 55  | 55  |
| 4  | 79  | 67  | 57  | 47  | 77  | 65  | 56  | 47  | 63  | 55  | 46  | 60  | 54  | 46  | 45  | 45  | 45  | 45  |
| 5  | 72  | 59  | 49  | 39  | 70  | 57  | 48  | 39  | 55  | 47  | 39  | 53  | 46  | 38  | 38  | 38  | 38  | 38  |
| 6  | 66  | 52  | 42  | 33  | 64  | 51  | 42  | 33  | 49  | 41  | 33  | 47  | 40  | 32  | 32  | 32  | 32  | 32  |
| 7  | 61  | 46  | 37  | 28  | 59  | 46  | 37  | 28  | 44  | 36  | 28  | 42  | 35  | 28  | 28  | 28  | 28  | 27  |
| 8  | 56  | 42  | 33  | 24  | 55  | 41  | 32  | 24  | 40  | 32  | 24  | 38  | 31  | 24  | 24  | 24  | 24  | 24  |
| 9  | 52  | 38  | 29  | 21  | 51  | 37  | 29  | 21  | 36  | 28  | 21  | 35  | 28  | 21  | 21  | 21  | 21  | 21  |
| 10 | 49  | 35  | 26  | 18  | 47  | 34  | 26  | 18  | 33  | 26  | 18  | 32  | 25  | 18  | 18  | 18  | 18  | 18  |