

# Austin Testing Laboratories

An Acuity Brands Company

2011 West Rundberg Lane  
Austin, Tx. 78758

PRINT DATE: June 16, 2009

TEST NO: ABA201013

MANUFACTURER: ACUITY BRANDS LIGHTING

LUMINAIRE CATALOG NO.: TLHPC15 3R 150M GCF SR4SC DBL

LUMINAIRE DESCRIPTION: TERSEN LUMINAIRE HIGHLAND PARK 1.5 SERIES, WITH (C) STYLE ROOF AND CLEAR FLAT GLASS

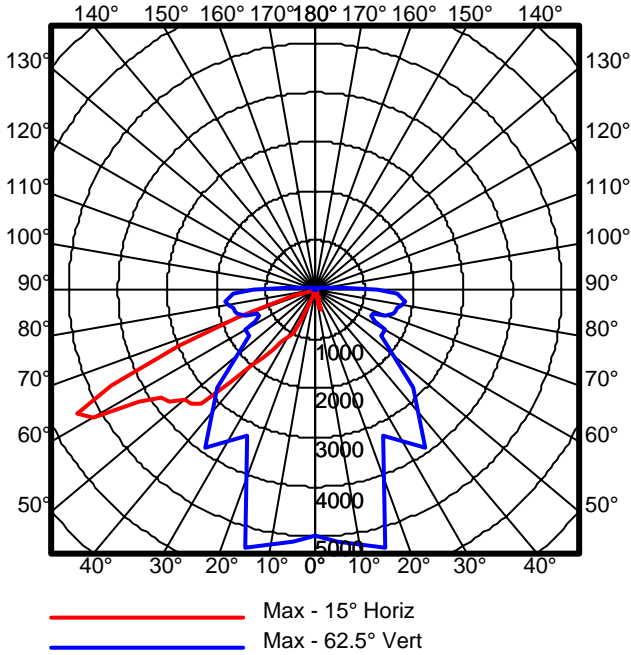
LAMP CATALOG NO.: MXR150/U/MED. LUMEN RATING: 12500 Lms.

LAMP DESCRIPTION: 150 WATTS MH LAMP

LUMENS PER LAMP: 12500

## MAXIMUM PLANE AND CONE PLOTS

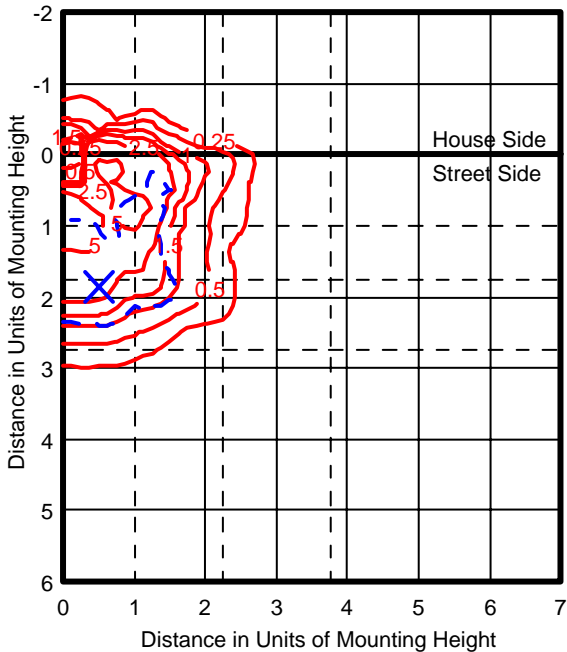
Maximum Candela = 5434.3



## ISOILLUMINANCE PLOT (FC)

Mounting Height = 12 ft.

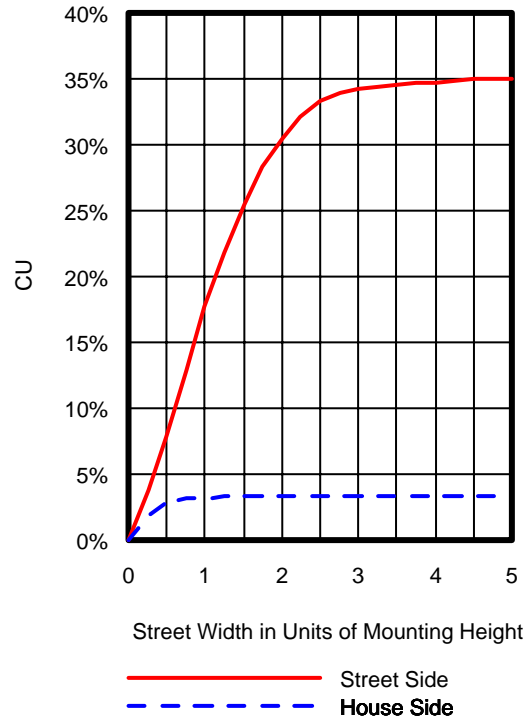
Classification: Unclassified (Type III, Very Short), Cutoff



## ZONAL LUMEN SUMMARY

| Zone                 | Lumens | % Lamp |
|----------------------|--------|--------|
| Downward Street Side | 4395.9 | 35.2   |
| Downward House Side  | 426.9  | 3.4    |
| Downward Total       | 4822.8 | 38.6   |
| Upward Street Side   | 7.6    | 0.1    |
| Upward House Side    | 8.8    | 0.1    |
| Upward Total         | 16.5   | 0.1    |
| Total                | 4839.3 | 38.7   |

## COEFFICIENTS OF UTILIZATION



TESTED BY: \_\_\_\_\_

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## CANDELA DISTRIBUTION

|      | 0    | 5    | 15          | 25   | 35   | 45   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|------|------|------|-------------|------|------|------|------|------|------|------|------|------|------|------|
| 0    | 3    | 3    | 3           | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| 5    | 3    | 3    | 3           | 3    | 4    | 3    | 4    | 4    | 4    | 3    | 4    | 3    | 3    | 4    |
| 15   | 79   | 80   | 80          | 79   | 77   | 68   | 26   | 30   | 44   | 58   | 57   | 57   | 57   | 54   |
| 25   | 854  | 843  | 686         | 225  | 106  | 514  | 961  | 1008 | 1063 | 1066 | 1038 | 1019 | 985  | 928  |
| 35   | 1590 | 1547 | 1462        | 1308 | 436  | 1095 | 1288 | 1318 | 1316 | 1446 | 1428 | 1378 | 1353 | 1142 |
| 45   | 3327 | 3317 | 3289        | 2699 | 1677 | 2197 | 2183 | 2059 | 1730 | 1878 | 1803 | 1817 | 1816 | 1635 |
| 55   | 3241 | 3335 | 3834        | 3016 | 2676 | 4103 | 3782 | 4110 | 2651 | 3248 | 2771 | 2535 | 2177 | 1523 |
| 62.5 | 4977 | 5124 | <b>5434</b> | 3274 | 3892 | 2805 | 1610 | 1662 | 1239 | 1520 | 1683 | 1774 | 1771 | 1240 |
| 65   | 3854 | 4038 | 4568        | 3165 | 4164 | 2238 | 1330 | 1533 | 1124 | 1063 | 1277 | 1458 | 1639 | 1330 |
| 75   | 366  | 401  | 461         | 552  | 192  | 618  | 531  | 190  | 429  | 387  | 468  | 390  | 206  | 176  |
| 85   | 22   | 24   | 26          | 16   | 23   | 8    | 7    | 10   | 12   | 11   | 10   | 10   | 8    | 7    |
| 90   | 5    | 4    | 3           | 2    | 2    | 2    | 2    | 2    | 3    | 3    | 3    | 3    | 3    | 3    |
| 95   | 6    | 6    | 2           | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    |
| 105  | 17   | 13   | 1           | 0    | 0    | 0    | 0    | 1    | 1    | 3    | 7    | 8    | 8    | 6    |
| 115  | 3    | 3    | 1           | 0    | 0    | 0    | 0    | 1    | 1    | 3    | 7    | 11   | 10   | 6    |
| 125  | 1    | 1    | 1           | 0    | 0    | 0    | 0    | 1    | 1    | 1    | 2    | 3    | 3    | 3    |
| 135  | 1    | 1    | 1           | 1    | 0    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    |
| 145  | 2    | 2    | 2           | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    |
| 155  | 10   | 10   | 10          | 10   | 7    | 7    | 8    | 8    | 7    | 6    | 6    | 6    | 5    | 5    |
| 165  | 1    | 1    | 1           | 1    | 0    | 0    | 0    | 1    | 2    | 2    | 3    | 3    | 4    | 4    |
| 175  | 0    | 1    | 1           | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |
| 180  | 1    | 1    | 1           | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    |

## CANDELA DISTRIBUTION

|      | 90   | 95   | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 175 | 180 |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0    | 3    | 3    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 5    | 4    | 3    | 4   | 3   | 3   | 3   | 3   | 2   | 2   | 2   | 2   |
| 15   | 54   | 49   | 29  | 13  | 9   | 20  | 19  | 142 | 363 | 372 | 419 |
| 25   | 928  | 883  | 827 | 503 | 101 | 263 | 169 | 126 | 122 | 115 | 116 |
| 35   | 1142 | 930  | 674 | 308 | 110 | 71  | 59  | 93  | 86  | 78  | 78  |
| 45   | 1635 | 1151 | 560 | 165 | 74  | 73  | 53  | 37  | 45  | 34  | 27  |
| 55   | 1523 | 813  | 297 | 200 | 47  | 31  | 31  | 26  | 22  | 18  | 16  |
| 62.5 | 1240 | 526  | 85  | 44  | 27  | 20  | 25  | 23  | 19  | 17  | 15  |
| 65   | 1330 | 440  | 49  | 31  | 23  | 17  | 23  | 22  | 19  | 17  | 14  |
| 75   | 176  | 139  | 19  | 14  | 13  | 10  | 12  | 15  | 13  | 14  | 13  |
| 85   | 7    | 5    | 5   | 5   | 4   | 4   | 5   | 5   | 6   | 6   | 6   |
| 90   | 3    | 3    | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   | 2   |
| 95   | 2    | 2    | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   | 2   |
| 105  | 6    | 3    | 1   | 1   | 1   | 1   | 2   | 2   | 3   | 4   | 4   |
| 115  | 6    | 4    | 2   | 1   | 1   | 2   | 2   | 3   | 4   | 13  | 14  |
| 125  | 3    | 2    | 3   | 2   | 2   | 2   | 3   | 3   | 5   | 10  | 13  |
| 135  | 2    | 3    | 3   | 3   | 3   | 3   | 4   | 4   | 4   | 5   | 5   |
| 145  | 2    | 2    | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 155  | 5    | 5    | 5   | 4   | 4   | 4   | 4   | 3   | 3   | 3   | 3   |
| 165  | 4    | 4    | 4   | 2   | 1   | 1   | 2   | 3   | 4   | 4   | 4   |
| 175  | 1    | 1    | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 180  | 1    | 1    | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |