

# UNIQUE

## LIGHTING SYSTEMS®

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : QUA1-12-L427.IES

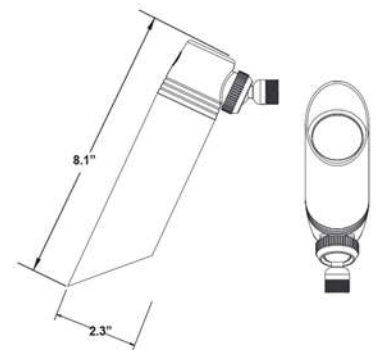
### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 3315  
[TESTLAB] Labsphere  
[ISSUEDATE] 8/7/2019 12:30:22 PM  
[MANUFAC] TORO  
[LUMINAIRE] QUA1-12-L427  
[LAMP] LED-4W-CM6FL27K  
[POWERFACTOR] 0.5700  
[ATHD] 0.00%  
[CURRENT] 0.56  
[VOLTAGE] 12.04  
[Lumens] 56.35  
[END VOLTS] 12.04  
[END CURRENT] 0.54  
[END POWER] 3.72

Note: Candela values converted from Type-C to Type-B

### CHARACTERISTICS

|                              |              |
|------------------------------|--------------|
| NEMA Type                    | 3 H x 3 V    |
| Maximum Candela              | 287.11       |
| Maximum Candela Angle        | 0H 5V        |
| Horizontal Beam Angle (50%)  | 24.4         |
| Vertical Beam Angle (50%)    | 31.1         |
| Horizontal Field Angle (10%) | 35.5         |
| Vertical Field Angle (10%)   | 42.7         |
| Lumens Per Lamp              | 300 (1 lamp) |
| Total Lamp Lumens            | 300          |
| Beam Lumens                  | 41           |
| Beam Efficiency              | 14 %         |
| Field Lumens                 | 53           |
| Field Efficiency             | 18 %         |
| Spill Lumens                 | 3            |
| Luminaire Lumens             | 57           |
| Total Efficiency             | 19 %         |
| Total Luminaire Watts        | 3.83         |
| Ballast Factor               | 1.00         |

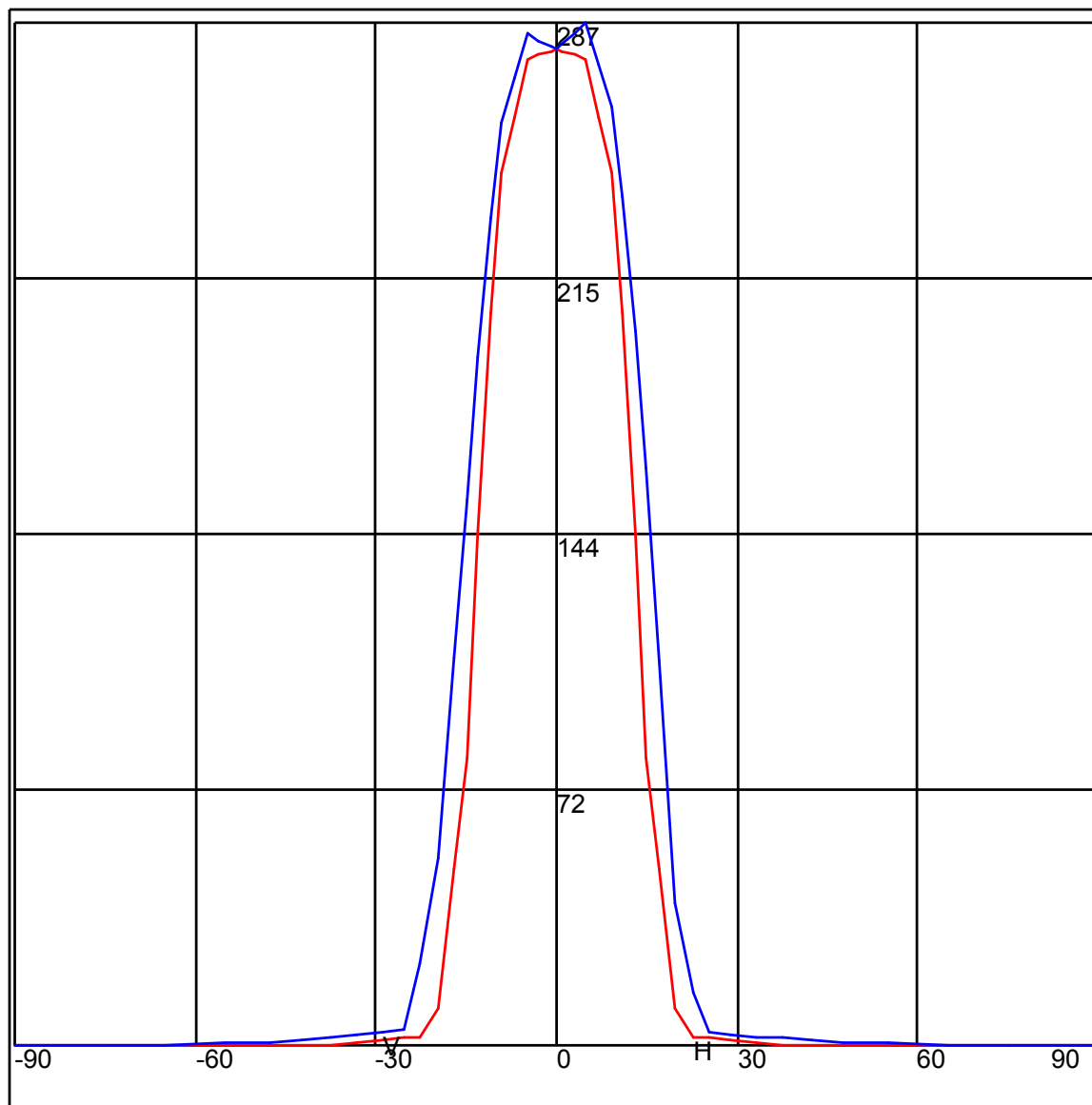


**IES FLOOD REPORT**  
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**AXIAL CANDELA**

| DEG.  | HOR.   | DEG.  | VERT.  |
|-------|--------|-------|--------|
| 90    | .07    | 90    | .06    |
| 85    | .05    | 85    | .05    |
| 75    | .07    | 75    | .1     |
| 65    | .05    | 65    | .13    |
| 55    | .07    | 55    | .29    |
| 47.5  | .07    | 47.5  | .68    |
| 42.5  | .06    | 42.5  | 1.1    |
| 37.5  | .07    | 37.5  | 1.68   |
| 33    | .4     | 33    | 2.24   |
| 29    | 1.09   | 29    | 2.74   |
| 25.5  | 1.88   | 25.5  | 3.29   |
| 22.5  | 2.17   | 22.5  | 14.82  |
| 19.5  | 10.18  | 19.5  | 39.82  |
| 17    | 49.35  | 17    | 107.63 |
| 15    | 80.69  | 15    | 161.87 |
| 13    | 143.01 | 13    | 199.94 |
| 11    | 205.34 | 11    | 238.01 |
| 9     | 244.49 | 9     | 263.05 |
| 7     | 260.47 | 7     | 275.08 |
| 5     | 276.45 | 5     | 287.11 |
| 3     | 277.61 | 3     | 284.01 |
| 1     | 278.78 | 1     | 280.91 |
| 0     | 279.36 | 0     | 279.36 |
| -1    | 278.78 | -1    | 280.21 |
| -3    | 277.61 | -3    | 281.9  |
| -5    | 276.45 | -5    | 283.6  |
| -7    | 260.47 | -7    | 271.03 |
| -9    | 244.49 | -9    | 258.46 |
| -11   | 205.34 | -11   | 232.33 |
| -13   | 143.01 | -13   | 192.62 |
| -15   | 80.69  | -15   | 152.91 |
| -17   | 49.35  | -17   | 108.28 |
| -19.5 | 10.18  | -19.5 | 52.5   |
| -22.5 | 2.17   | -22.5 | 22.87  |
| -25.5 | 1.88   | -25.5 | 4.29   |
| -29   | 1.09   | -29   | 3.61   |
| -33   | .4     | -33   | 2.96   |
| -37.5 | .07    | -37.5 | 2.17   |
| -42.5 | .06    | -42.5 | 1.3    |
| -47.5 | .07    | -47.5 | .7     |
| -55   | .07    | -55   | .23    |
| -65   | .05    | -65   | .1     |
| -75   | .07    | -75   | .08    |
| -85   | .05    | -85   | .05    |
| -90   | .07    | -90   | .07    |

AXIAL CANDELA DISPLAY

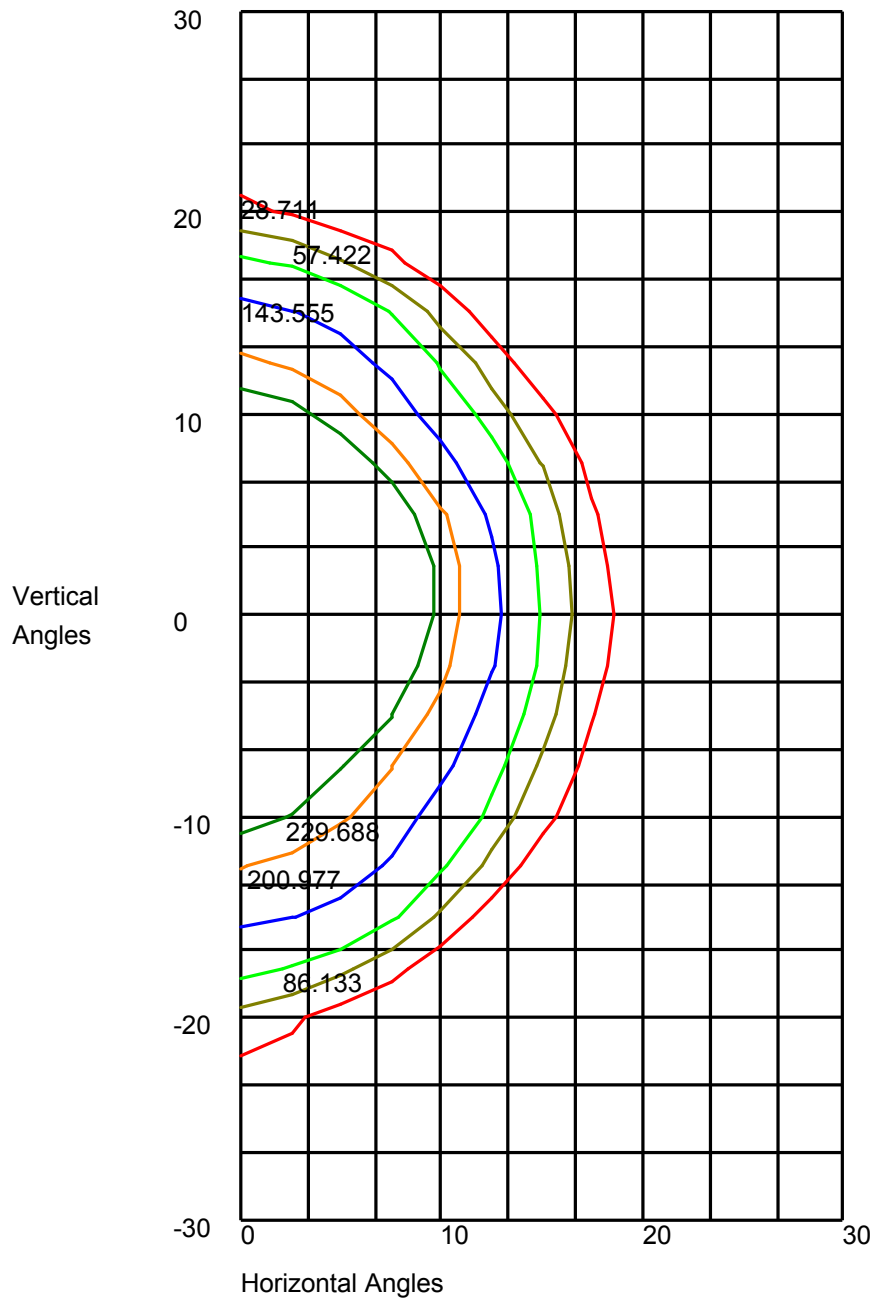


Maximum Candela = 287.11 Located At Horizontal Angle = 0, Vertical Angle = 5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 287.11 Located At Horizontal Angle = 0, Vertical Angle = 5  
50% Maximum Candela = 143.555  
10% Maximum Candela = 28.711