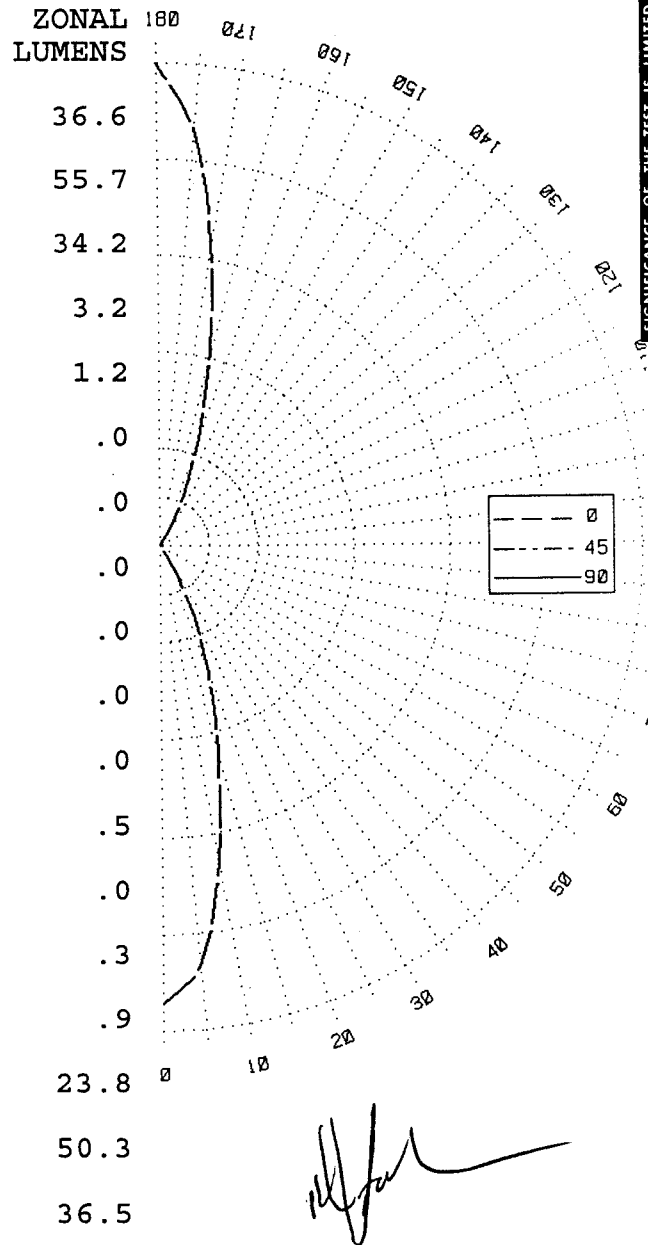


BALLABS CERTIFIED TEST REPORT NO.: 16119.0 DATE 05/12/11
 PREPARED FOR: G-LIGHTING/GROSS CHANDELIER - ST. LOUIS, MISSOURI
 DESCRIPTION: DUAL GE VIO LED 9.125" TALL 3.625" DIA CYLINDER WALL SCONCE
 30 DEGREE BRIGHT DIP REFLECTORS TOP/BOTTOM w/CLEAR LENSES
 THOMAS RESEARCH #LED25W-72-C0350 WATTS=15.41
 CATALOG NBR: GL-6540-R3-R3
 LAMP TYPE : VIO/7_2W/835 RATED LUMENS NA. NBR. LAMPS:- 2

CANDLEPOWER DISTRIBUTION

| VERT ANG | AVERAGE CANDELA |
|----------|-----------------|
| 0 | 414. |
| 5 | 383. |
| 10 | 292. |
| 15 | 196. |
| 20 | 125. |
| 25 | 74. |
| 30 | 26. |
| 35 | 5. |
| 40 | 1. |
| 45 | 2. |
| 50 | 0. |
| 55 | 0. |
| 60 | 0. |
| 65 | 0. |
| 70 | 0. |
| 75 | 0. |
| 80 | 0. |
| 85 | 0. |
| 90 | 0. |
| 95 | 0. |
| 100 | 0. |
| 105 | 0. |
| 110 | 0. |
| 115 | 0. |
| 120 | 0. |
| 125 | 0. |
| 130 | 0. |
| 135 | 0. |
| 140 | 0. |
| 145 | 1. |
| 150 | 15. |
| 155 | 51. |
| 160 | 103. |
| 165 | 177. |
| 170 | 277. |
| 175 | 382. |
| 180 | 440. |



LUMEN SUMMARY

| ZONE | LUMENS | %LAMP | %FIXT | ZONE | LUMENS | %LAMP | %FIXT |
|-------------------|--------|-------|-------|--------|--------|-------|-------|
| 0- 30 | 126. | NA. | 52.0 | 90-120 | 0. | NA. | .2 |
| 0- 40 | 130. | NA. | 53.3 | 90-130 | 0. | NA. | .2 |
| 0- 60 | 131. | NA. | 53.8 | 90-150 | 2. | NA. | .7 |
| 0- 90 | 131. | NA. | 53.8 | 90-180 | 112. | NA. | 46.2 |
| TOTAL LUMINAIRE = | | | | 0-180 | 243. | NA. | 100.0 |

IES SPACING CRITERIA: ADJACENT= .5 DIAGONAL= .3

SIGNIFICANCE OF THE TEST IS LIMITED TO THE DEGREE THAT THE TESTED SAMPLE IS REPRESENTATIVE. OTHER FACTORS AFFECT FIELD PERFORMANCE.

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| VERT ANGLE | LUMINANCES-CD/SQ-M HORIZONTAL ANGLE |
|------------|--|
| | 0 |
| 45 | 421. |
| 55 | 0. |
| 65 | 0. |
| 75 | 0. |
| 85 | 0. |

MAXIMUM BRIGHTNESSES NOT MEASURED

LUMINOUS EFFICACY (LUMENS / WATTS) = 15.7

BEAM ANGLE = 28.8

TESTED IN ACCORDANCE WITH CURRENT IES STANDARDS
 UTILIZING ABSOLUTE PHOTOMETRY PER LM-79-08

