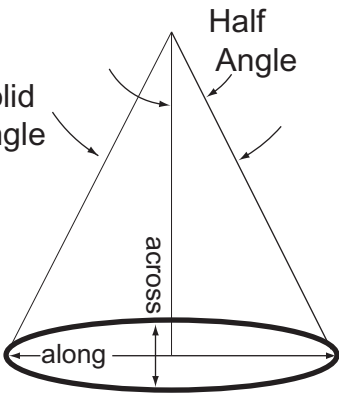


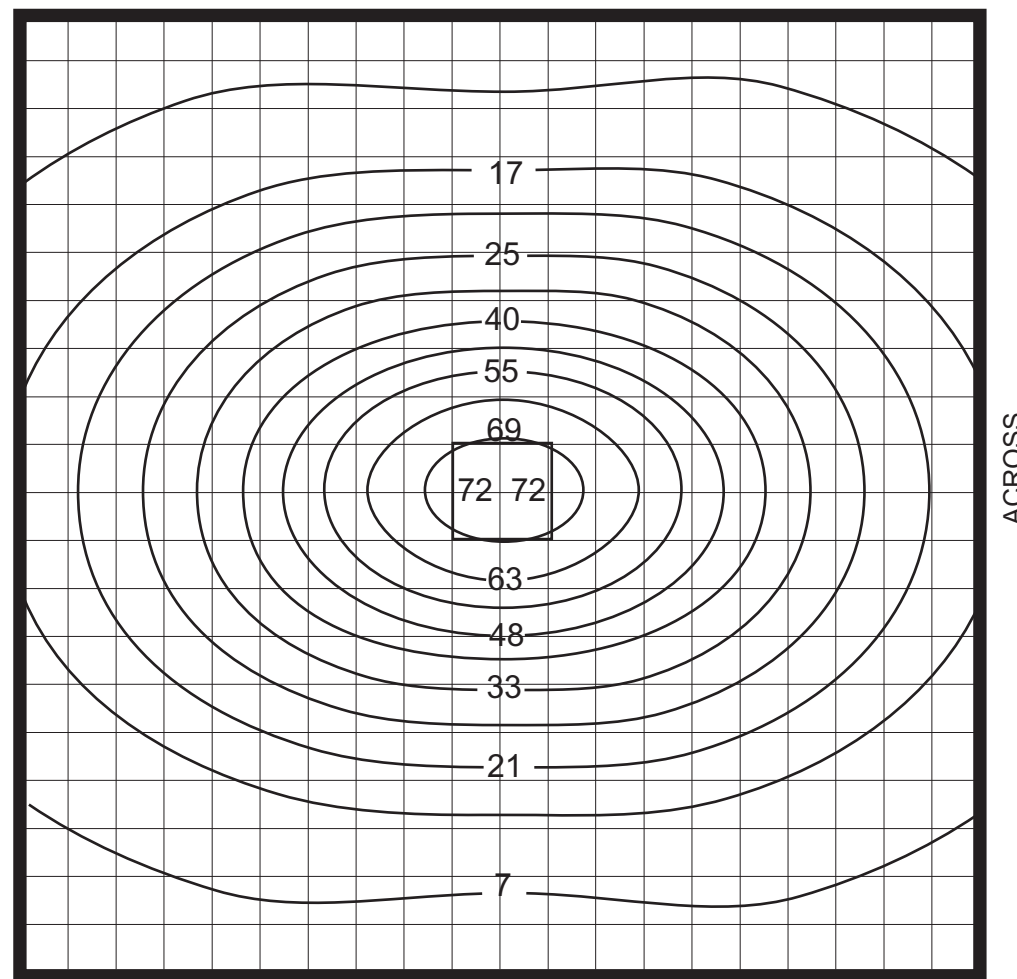
Distance at Center / Foot-candles at Center  
Direct Beam Only. No Reflected Light

| 6'  | 10' | 20' | 30' | 40' |
|-----|-----|-----|-----|-----|
| 201 | 73  | 19  | 8   | 5   |

LIGHT PATTERN ON PERPENDICULAR SURFACE  
 SURFACE SIZE = 20' X 20'. DISTANCE = 10'  
 GRID IS ON 1' CENTERS

|                  |         |            |
|------------------|---------|------------|
| Fixture model    | # lamps | attenuator |
| 4BL455-C-FUL-120 | 4       | PRISMATIC  |

| Zonal Output       |          |  |
|--------------------|----------|------------------------------------------------------------------------------------|
| Half Angle         | % Output |                                                                                    |
| 0-15 dgr.          | 20       |                                                                                    |
| 0-30 dgr.          | 41       |                                                                                    |
| 0-45 dgr.          | 60       |                                                                                    |
| 0-90 dgr.          | 100      |                                                                                    |
| Solid Angle        | degrees  |                                                                                    |
| Beam angle across  | 53       |                                                                                    |
| Beam angle along   | 101      |                                                                                    |
| Field angle across | 93       |                                                                                    |
| Field angle along  | 150      |                                                                                    |



ALONG