

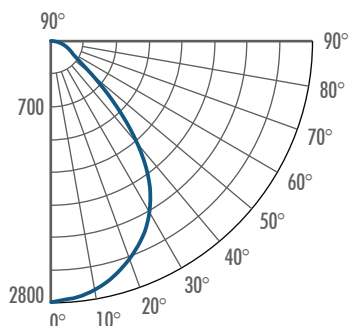
## CH852UE-D10 - PHOTOMETRY

### 8" COMMERCIAL DOWNLIGHT - 4500LM

#### CH852UE-D10 - 4500lm - 4000K

|                   |          |             |      |
|-------------------|----------|-------------|------|
| System Power      | :53.8W   | Multipliers |      |
| Test Date         | :12/2015 | 3500K       | 0.99 |
| Beam Angle 50%    | :80.3°   | 3000K       | 0.97 |
| Field Angle 10%   | :120.0°  |             |      |
| Color Temperature | :4000K   |             |      |
| CRI               | :84      |             |      |
| R9 Value          | :33      |             |      |
| Lumens Delivered  | :4528lm  |             |      |
| CBCP              | :2139cd  |             |      |
| Power Factor      | :0.99    |             |      |

#### CANDELA TABULATION



#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 13.3'         | 43.0 |
| 9'     | 14.9'         | 34.0 |
| 10'    | 16.6'         | 27.0 |
| 12'    | 18.3'         | 23.0 |
| 15'    | 19.9'         | 12.0 |

#### RECOMMENDED SPACING

| Clg Ht | Spacing    | Max/Min Ratio |
|--------|------------|---------------|
| 10 ft  | 10 ft o.c. | 3.8:1         |
| 12 ft  | 10 ft o.c. | 2.5:1         |
| 15 ft  | 10 ft o.c. | 2.5:1         |

#### EFFECTIVE FLOOR CAVITY REFLECTANCE @ 20%

| RC |     | 80  |     |     |
|----|-----|-----|-----|-----|
| RW | 70  | 50  | 30  | 10  |
| 0  | 119 | 119 | 119 | 119 |
| 1  | 111 | 107 | 104 | 101 |
| 2  | 103 | 97  | 91  | 87  |
| 3  | 96  | 88  | 81  | 76  |
| 4  | 89  | 80  | 72  | 67  |
| 5  | 83  | 73  | 65  | 60  |
| 6  | 78  | 67  | 59  | 54  |
| 7  | 73  | 61  | 54  | 49  |
| 8  | 69  | 57  | 49  | 44  |
| 9  | 65  | 53  | 46  | 41  |
| 10 | 61  | 49  | 42  | 37  |

| RC |     | 50  |     |  |
|----|-----|-----|-----|--|
| RW | 70  | 30  | 10  |  |
| 0  | 111 | 111 | 111 |  |
| 1  | 101 | 99  | 96  |  |
| 2  | 92  | 87  | 84  |  |
| 3  | 83  | 78  | 74  |  |
| 4  | 76  | 70  | 65  |  |
| 5  | 70  | 63  | 59  |  |
| 6  | 64  | 58  | 53  |  |
| 7  | 59  | 53  | 48  |  |
| 8  | 55  | 49  | 44  |  |
| 9  | 51  | 45  | 40  |  |
| 10 | 48  | 42  | 37  |  |

| RC |     | 70  |     |     |
|----|-----|-----|-----|-----|
| RW | 70  | 50  | 30  | 10  |
| 0  | 116 | 116 | 116 | 116 |
| 1  | 109 | 105 | 102 | 99  |
| 2  | 101 | 95  | 90  | 86  |
| 3  | 94  | 86  | 80  | 75  |
| 4  | 87  | 78  | 72  | 66  |
| 5  | 82  | 72  | 65  | 59  |
| 6  | 76  | 66  | 59  | 53  |
| 7  | 72  | 61  | 54  | 48  |
| 8  | 67  | 56  | 49  | 44  |
| 9  | 63  | 52  | 45  | 41  |
| 10 | 60  | 49  | 42  | 37  |