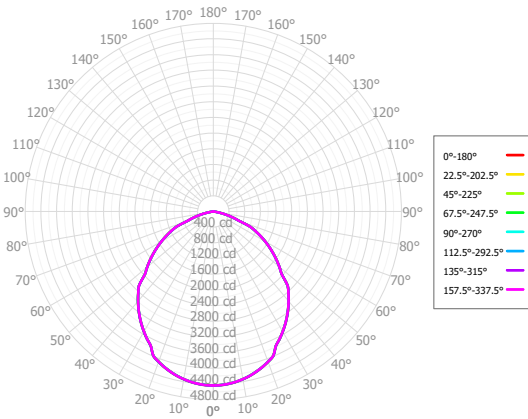


Photometric Report

Candela Polar Plot



IES Header Data

| | |
|------------------|--------------------------------------|
| TEST | Scaled from 105471856CRT |
| TESTLAB | Intertek, Cortland |
| ISSUEDATE | 2/21/2024 |
| MANUFAC | VANTAGE LIGHTING |
| LUMCAT | BHT22L-Y95W-D1MV-35K |
| LUMINAIRE | 2x2 ressed troffer with diffuse lens |
| LAMP | LED |

Input

| | |
|----------------------------------|--------|
| Number of Lamps | 1 |
| Luminous flux per Lamp | N/A lm |
| Total Input Luminous flux | N/A lm |
| Input Watts | 93.5 W |

Output

| | |
|-----------------------------------|-------------|
| Total Output Luminous flux | 10677.97 lm |
| Efficiency | N/A % |
| Efficacy | 114.2 lm/W |

Photometry Information

| | |
|------------------------|--------|
| Distribution | Direct |
| Photometry Type | C |

Luminous Dimensions

| | |
|------------------------|---------|
| 0° - 180° Size | 1.56 ft |
| 90° - 270° Size | 1.56 ft |
| Height | 0 ft |

Spacing Criterion

| | |
|---------------------------|------|
| Two luminaires, plane 0° | 1.19 |
| Two luminaires, plane 90° | 1.19 |
| Four luminaires | 1.31 |

Full Beam Angle

| | |
|------------|--------|
| 0° - 180° | 99.45° |
| 90° - 270° | 99.38° |

Input

| | |
|------------------------|--------|
| Number of Lamps | 1 |
| Luminous flux per Lamp | N/A lm |
| Input Watts | 93.5 W |

Photometry Information

| | |
|-----------------|--------|
| Distribution | Direct |
| Photometry Type | C |

Luminous Dimensions

| | |
|-----------------|---------|
| 0° - 180° Size | 1.56 ft |
| 90° - 270° Size | 1.56 ft |
| Height | 0 ft |

Candela Distribution

| | 0.00° | 22.50° | 45.00° | 67.50° | 90.00° |
|--------|---------|---------|---------|---------|---------|
| 0.00° | 4440.16 | 4440.16 | 4440.16 | 4440.16 | 4440.16 |
| 2.50° | 4431.49 | 4433.15 | 4439.00 | 4432.84 | 4432.09 |
| 5.00° | 4415.61 | 4411.87 | 4420.25 | 4414.65 | 4414.63 |
| 7.50° | 4385.06 | 4382.68 | 4390.83 | 4384.04 | 4383.63 |
| 10.00° | 4343.49 | 4341.40 | 4349.80 | 4344.26 | 4344.07 |
| 12.50° | 4292.32 | 4293.98 | 4299.78 | 4292.28 | 4292.72 |
| 15.00° | 4229.56 | 4229.48 | 4238.42 | 4230.32 | 4231.16 |
| 17.50° | 4160.08 | 4160.11 | 4166.60 | 4159.38 | 4162.01 |
| 20.00° | 4080.22 | 4077.98 | 4085.75 | 4080.70 | 4080.11 |
| 22.50° | 3988.27 | 3987.17 | 3995.14 | 3990.22 | 3988.92 |
| 25.00° | 3780.52 | 3777.36 | 3785.74 | 3779.89 | 3779.99 |
| 27.50° | 3664.10 | 3661.44 | 3669.26 | 3664.50 | 3663.89 |
| 30.00° | 3539.96 | 3535.87 | 3545.29 | 3540.31 | 3539.38 |
| 32.50° | 3411.95 | 3407.43 | 3417.43 | 3410.29 | 3408.85 |
| 35.00° | 3276.56 | 3271.52 | 3280.18 | 3276.58 | 3272.50 |
| 37.50° | 3138.23 | 3131.45 | 3139.82 | 3132.34 | 3133.82 |
| 40.00° | 2990.43 | 2984.56 | 2991.29 | 2988.50 | 2990.36 |
| 42.50° | 2837.68 | 2834.31 | 2841.28 | 2836.63 | 2836.22 |
| 45.00° | 2682.73 | 2681.76 | 2685.94 | 2682.25 | 2681.58 |
| 47.50° | 2367.70 | 2364.28 | 2364.29 | 2365.80 | 2363.19 |
| 50.00° | 2201.90 | 2200.75 | 2200.45 | 2199.98 | 2199.72 |
| 52.50° | 2037.87 | 2034.78 | 2033.88 | 2032.83 | 2031.11 |
| 55.00° | 1870.54 | 1866.40 | 1862.29 | 1864.51 | 1863.97 |
| 57.50° | 1701.08 | 1697.05 | 1692.84 | 1697.68 | 1694.80 |
| 60.00° | 1532.00 | 1524.26 | 1524.59 | 1528.14 | 1526.01 |
| 62.50° | 1359.08 | 1359.08 | 1353.47 | 1356.89 | 1351.35 |
| 65.00° | 1191.26 | 1189.98 | 1187.35 | 1185.58 | 1185.02 |
| 67.50° | 1020.96 | 1020.61 | 1018.04 | 1019.18 | 1013.58 |
| 70.00° | 699.91 | 696.14 | 692.47 | 694.57 | 687.84 |
| 72.50° | 542.33 | 538.23 | 537.64 | 533.74 | 529.12 |
| 75.00° | 387.70 | 383.66 | 383.65 | 375.95 | 373.23 |

| | | | | | |
|---------|--------|--------|--------|--------|--------|
| 77.50° | 241.60 | 236.74 | 235.83 | 228.68 | 224.67 |
| 80.00° | 112.84 | 107.00 | 106.09 | 102.55 | 96.68 |
| 82.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 87.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 92.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 167.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 172.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 175.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 177.50° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.00° | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Average Luminaire Luminance [cd/m²]

| | 0.00° | 45.00° | 90.00° |
|--------|-------|--------|--------|
| 0.00° | 19639 | 19639 | 19639 |
| 45.00° | 16781 | 16801 | 16774 |
| 55.00° | 14424 | 14361 | 14374 |
| 65.00° | 12468 | 12427 | 12402 |
| 75.00° | 6626 | 6556 | 6378 |
| 85.00° | 0 | 0 | 0 |

Zonal Lumen Summary

| Zone | Lumens | % Fixture |
|-------------------|---------|-----------|
| 0.00° - 10.00° | 425.49 | 3.98% |
| 10.00° - 20.00° | 1192.90 | 11.17% |
| 20.00° - 30.00° | 1754.47 | 16.43% |
| 30.00° - 40.00° | 2046.64 | 19.17% |
| 40.00° - 50.00° | 2017.91 | 18.90% |
| 50.00° - 60.00° | 1665.65 | 15.60% |
| 60.00° - 70.00° | 1153.51 | 10.80% |
| 70.00° - 80.00° | 407.22 | 3.81% |
| 80.00° - 90.00° | 14.19 | 0.13% |
| 90.00° - 100.00° | 0.00 | 0.00% |
| 100.00° - 110.00° | 0.00 | 0.00% |
| 110.00° - 120.00° | 0.00 | 0.00% |
| 120.00° - 130.00° | 0.00 | 0.00% |
| 130.00° - 140.00° | 0.00 | 0.00% |

| | | |
|-------------------|----------|---------|
| 140.00° - 150.00° | 0.00 | 0.00% |
| 150.00° - 160.00° | 0.00 | 0.00% |
| 160.00° - 170.00° | 0.00 | 0.00% |
| 170.00° - 180.00° | 0.00 | 0.00% |
| 0.00° - 90.00° | 10677.97 | 100.00% |
| 90.00° - 180.00° | 0.00 | 0.00% |
| 0.00° - 180.00° | 10677.97 | 100.00% |

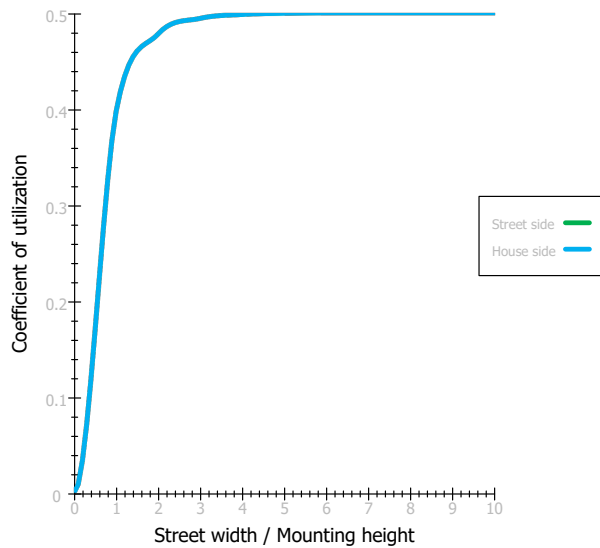
Indoor CU Table

| | | | | | | | | | | | | | | | | | | | |
|--|------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | pf | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 20% | 0% |
| | pcc | 80% | 80% | 80% | 80% | 70% | 70% | 70% | 70% | 50% | 50% | 50% | 30% | 30% | 30% | 10% | 10% | 10% | 0% |
| | pw | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 30% |
| | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | RCR | 5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 8 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Cone of Light

| Mtg Height | Light Level | Beam Diameter |
|------------|-------------|---------------|
| 6.00 ft | 123.34 fc | 14.16 ft |
| 8.00 ft | 69.38 fc | 18.88 ft |
| 10.00 ft | 44.40 fc | 23.60 ft |
| 12.00 ft | 30.83 fc | 28.33 ft |
| 14.00 ft | 22.65 fc | 33.05 ft |
| 16.00 ft | 17.34 fc | 37.77 ft |

Roadway Coefficients of Utilization



| Mounting Heights | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|
| House Side CU | 0.40 | 0.48 | 0.49 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| Street Side CU | 0.40 | 0.48 | 0.49 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |

