

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P579566

Luminaire Tested: **CST-CA8-480-750-U-T5N-HSS-HM-EX180**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/18/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CST-CA8-480-750-U-T5N-HSS-HM-EX180  
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD  
Light Source: (8) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49020 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U2 - G4

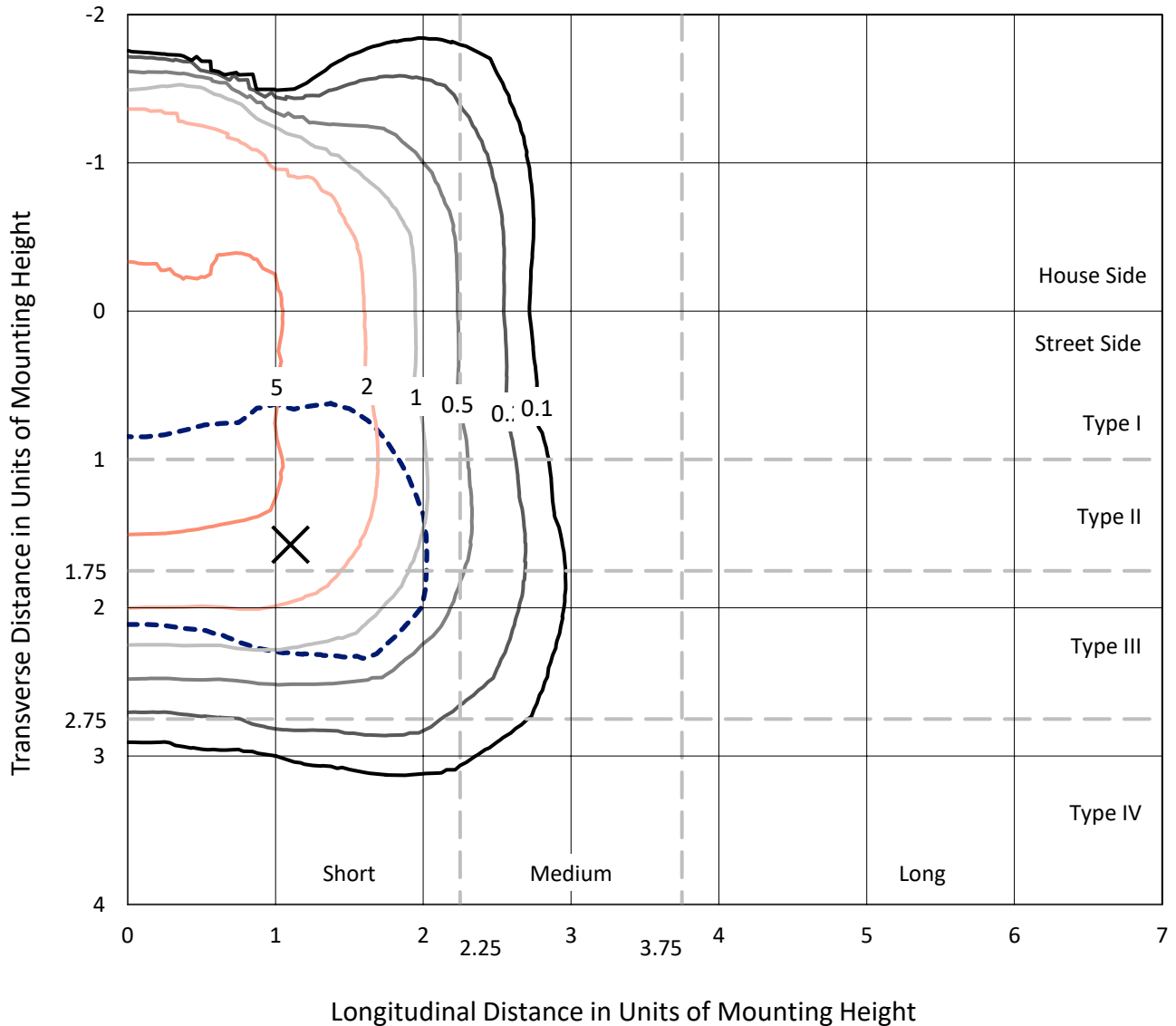
Input Watts (W): 480.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

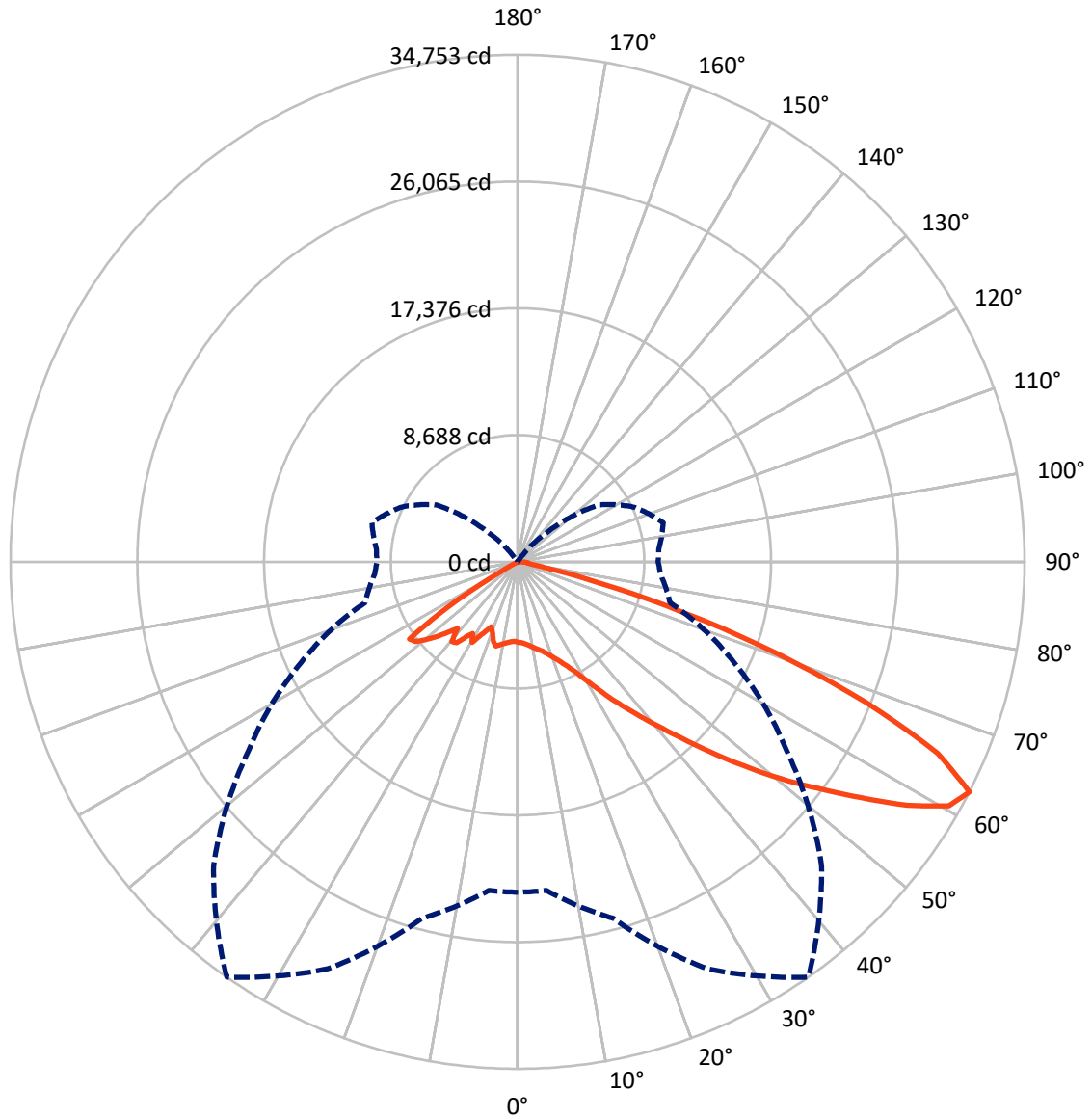
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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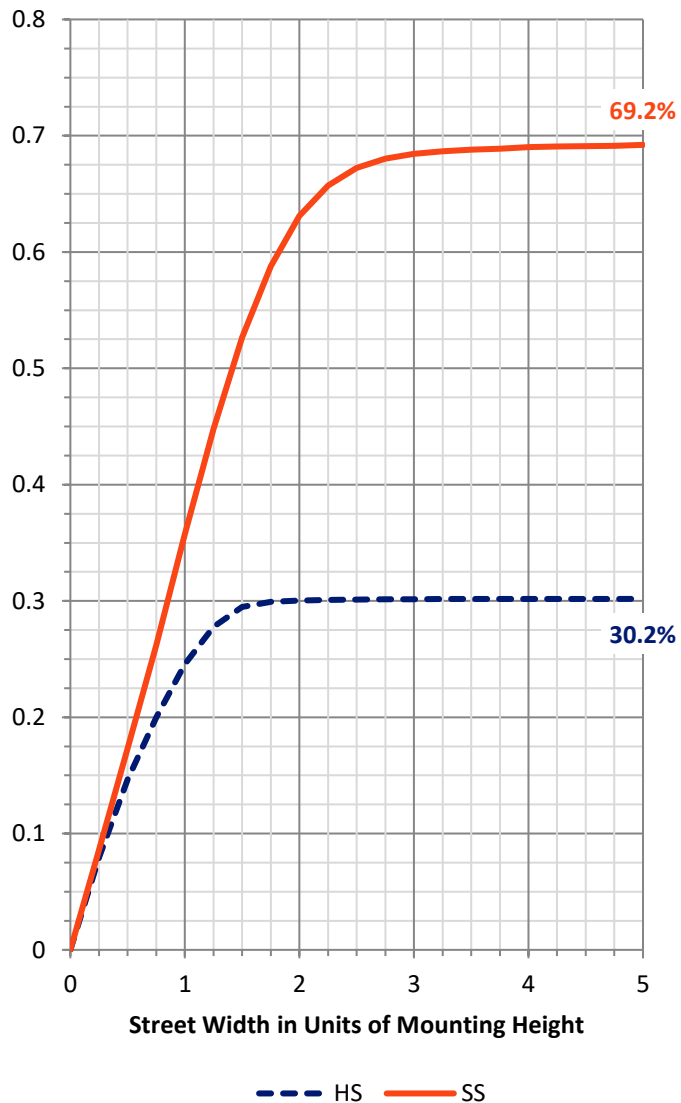
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14877.7  | 0.0    | 14877.7 |
|                    | % Fixture | 30.4     | 0.0    | 30.4    |
| <b>Street Side</b> | Lumens    | 34099.7  | 42.5   | 34142.3 |
|                    | % Fixture | 69.6     | 0.1    | 69.6    |
| <b>Total</b>       | Lumens    | 48977.4  | 42.6   | 49020.0 |
|                    | % Fixture | 99.9     | 0.1    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 544.7   | 1.1       |
| 10°-20°   | 1748.1  | 3.6       |
| 20°-30°   | 3195.0  | 6.5       |
| 30°-40°   | 6088.6  | 12.4      |
| 40°-50°   | 10450.6 | 21.3      |
| 50°-60°   | 14019.8 | 28.6      |
| 60°-70°   | 10657.8 | 21.7      |
| 70°-80°   | 2018.1  | 4.1       |
| 80°-90°   | 254.8   | 0.5       |
| 90°-100°  | 37.5    | 0.1       |
| 100°-110° | 5.1     | 0.0       |
| 110°-120° | 0.1     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 48977.4 | 99.9      |
| 0°-180°   | 49020.0 | 100.0     |

**Coefficient of Utilization**



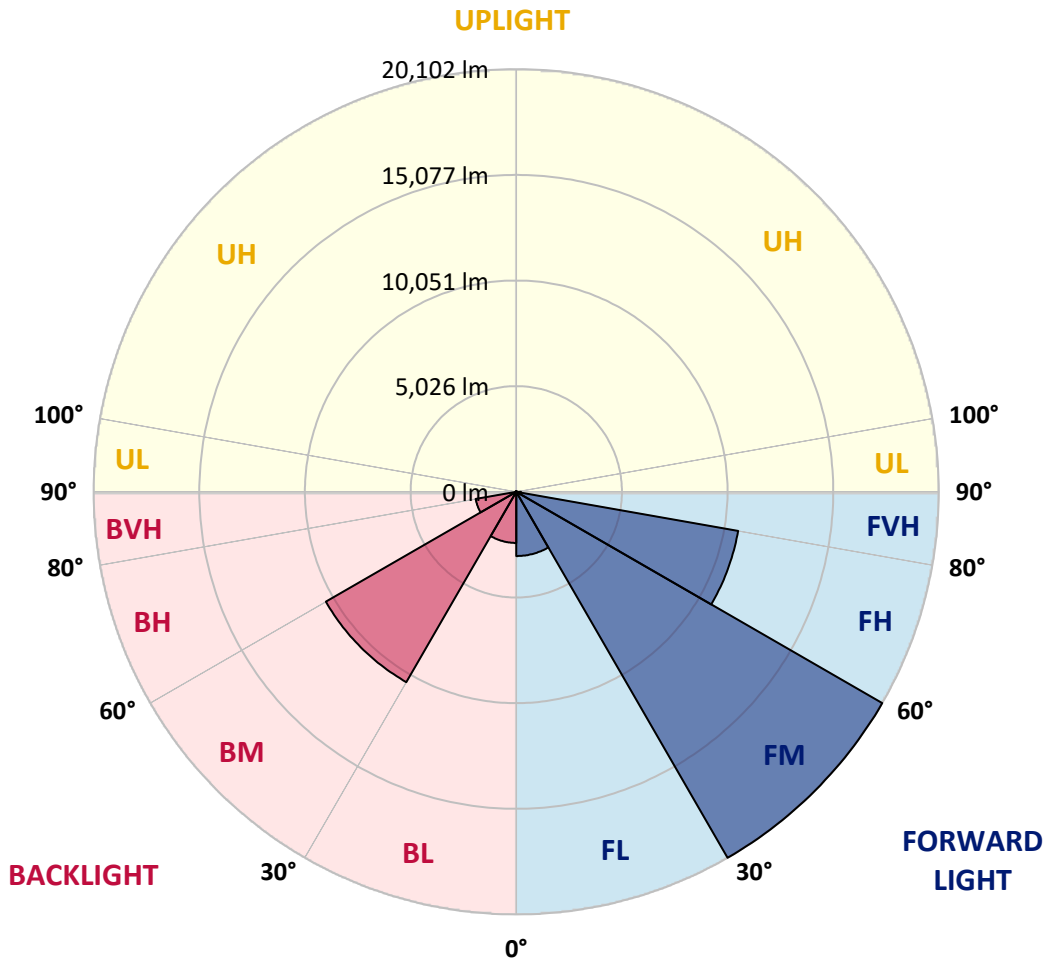
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |       |          |
|------|-------------|---------|-----------|-------------------------|-------|----------|
|      |             |         |           | B                       | U     | G        |
| FL   | (0°-30°)    | 3055.8  | 6.2       |                         |       |          |
| FM   | (30°-60°)   | 20102.3 | 41.0      |                         |       |          |
| FH   | (60°-80°)   | 10716.7 | 21.9      |                         |       | G4/12000 |
| FVH  | (80°-90°)   | 225.0   | 0.5       |                         |       | G2/225   |
| BL   | (0°-30°)    | 2432.0  | 5.0       | B3/2500                 |       |          |
| BM   | (30°-60°)   | 10456.7 | 21.3      | B5                      |       |          |
| BH   | (60°-80°)   | 1959.2  | 4.0       | B3/2500                 |       | G3/2500  |
| BVH  | (80°-90°)   | 29.9    | 0.1       |                         |       | G1/100   |
| UL   | (90°-100°)  | 37.5    | 0.1       |                         | U2/50 |          |
| UH   | (100°-180°) | 5.1     | 0.0       |                         | U1/10 |          |

**BUG Rating: B5-U2-G4**

Type III Short





REPORT NUMBER: P579566

CATALOG NUMBER: CST-CA8-480-750-U-T5N-HSS-HM-EX180

**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  |
| 2.5°   | 5656.6  | 5615.0  | 5617.3  | 5654.3  | 5548.0  | 5587.3  | 5541.0  | 5587.3  | 5561.8  | 5580.3  | 5589.6  |
| 5°     | 5755.9  | 5714.4  | 5709.7  | 5749.0  | 5658.9  | 5686.6  | 5640.4  | 5672.8  | 5638.1  | 5661.2  | 5661.2  |
| 7.5°   | 5906.1  | 5864.5  | 5850.7  | 5880.7  | 5797.5  | 5818.3  | 5769.8  | 5788.3  | 5749.0  | 5779.1  | 5762.9  |
| 10°    | 6084.1  | 6037.8  | 6021.7  | 6037.8  | 5966.2  | 5977.8  | 5920.0  | 5940.8  | 5883.0  | 5917.7  | 5894.6  |
| 12.5°  | 6273.5  | 6213.5  | 6213.5  | 6227.3  | 6151.1  | 6153.4  | 6100.2  | 6111.8  | 6054.0  | 6091.0  | 6063.3  |
| 15°    | 6479.2  | 6412.2  | 6421.4  | 6435.3  | 6354.4  | 6368.3  | 6312.8  | 6331.3  | 6271.2  | 6308.2  | 6280.5  |
| 17.5°  | 6751.9  | 6680.2  | 6671.0  | 6712.6  | 6636.3  | 6661.7  | 6599.3  | 6622.5  | 6569.3  | 6580.9  | 6567.0  |
| 20°    | 7128.5  | 7038.4  | 7017.6  | 7073.0  | 6987.5  | 7006.0  | 6959.8  | 7006.0  | 6950.6  | 6867.4  | 6634.0  |
| 22.5°  | 7579.1  | 7500.5  | 7465.9  | 7502.8  | 7401.2  | 7433.5  | 7431.2  | 7505.1  | 7352.6  | 6828.1  | 6594.7  |
| 25°    | 8172.9  | 8119.8  | 8052.8  | 8057.4  | 7934.9  | 7983.5  | 8071.3  | 8129.0  | 7479.7  | 7019.9  | 7024.5  |
| 27.5°  | 8965.5  | 8912.4  | 8819.9  | 8785.3  | 8607.3  | 8725.2  | 8861.5  | 8297.7  | 7787.0  | 7904.9  | 7840.2  |
| 30°    | 9977.6  | 9968.3  | 9781.2  | 9721.1  | 9527.0  | 9674.9  | 9557.0  | 8591.2  | 8766.8  | 8930.8  | 8831.5  |
| 32.5°  | 11324.7 | 11260.0 | 10989.7 | 10881.1 | 10677.7 | 10763.2 | 9723.4  | 9584.8  | 9845.9  | 10067.7 | 9963.7  |
| 35°    | 12953.8 | 12757.4 | 12482.4 | 12267.5 | 11913.9 | 11437.9 | 10356.5 | 10626.9 | 11017.4 | 11322.4 | 10818.7 |
| 37.5°  | 14846.2 | 14633.6 | 14203.8 | 13818.0 | 13261.1 | 11777.6 | 11310.9 | 11851.6 | 12341.4 | 12011.0 | 10848.7 |
| 40°    | 16794.1 | 16604.7 | 16200.3 | 15703.5 | 14763.0 | 12831.3 | 12468.5 | 13115.5 | 13672.4 | 11779.9 | 11202.3 |
| 42.5°  | 18728.2 | 18566.4 | 18240.6 | 17750.8 | 16540.0 | 14086.0 | 13737.1 | 14432.6 | 13908.1 | 12230.5 | 12212.0 |
| 45°    | 20678.4 | 20597.5 | 20227.8 | 19809.6 | 18645.0 | 15691.9 | 15158.2 | 15701.2 | 13383.6 | 13309.6 | 13265.7 |
| 47.5°  | 22258.9 | 22272.8 | 22143.4 | 21926.2 | 20891.0 | 17455.0 | 16759.5 | 15148.9 | 14021.3 | 14102.2 | 14123.0 |
| 50°    | 23888.0 | 23784.0 | 23777.1 | 23790.9 | 23358.8 | 19726.4 | 17850.1 | 14899.4 | 14855.5 | 14848.5 | 14830.0 |
| 52.5°  | 25193.5 | 25061.8 | 25334.5 | 25551.7 | 25808.2 | 22261.2 | 17686.1 | 15745.1 | 15493.2 | 15405.4 | 14867.0 |
| 55°    | 26256.4 | 26205.6 | 26649.3 | 27384.1 | 28525.5 | 24946.3 | 19137.2 | 16570.0 | 16066.3 | 14014.4 | 12641.8 |
| 57.5°  | 26901.1 | 26975.1 | 27890.1 | 29334.3 | 31471.7 | 27171.5 | 20826.3 | 17406.5 | 13755.6 | 12343.7 | 12255.9 |
| 60°    | 25667.2 | 26057.7 | 27615.1 | 30785.4 | 33962.6 | 29265.0 | 22083.3 | 17575.2 | 12378.4 | 11622.8 | 11447.2 |
| 62.5°  | 22647.1 | 22610.2 | 25285.9 | 30785.4 | 34752.9 | 29472.9 | 22480.8 | 16380.5 | 10814.1 | 9829.7  | 9633.3  |
| 65°    | 16029.3 | 16126.3 | 18984.7 | 27742.2 | 31658.8 | 27414.1 | 20736.2 | 13926.6 | 8625.8  | 7722.3  | 7456.6  |
| 67.5°  | 9919.8  | 9912.9  | 12711.1 | 20431.2 | 25771.2 | 22952.1 | 17457.3 | 10675.4 | 5987.0  | 5134.4  | 4845.5  |
| 70°    | 3426.8  | 3523.8  | 5716.7  | 11955.5 | 18970.8 | 17981.8 | 13064.7 | 6740.3  | 3156.4  | 2250.6  | 1899.4  |
| 72.5°  | 1363.3  | 1395.7  | 2051.9  | 5330.8  | 11851.6 | 12013.3 | 7939.6  | 3274.3  | 945.1   | 600.8   | 563.8   |
| 75°    | 891.9   | 896.6   | 984.4   | 1924.8  | 5751.3  | 6463.0  | 3687.9  | 940.5   | 439.0   | 402.1   | 392.8   |
| 77.5°  | 769.5   | 771.8   | 818.0   | 975.1   | 1874.0  | 2514.0  | 1049.1  | 556.9   | 367.4   | 330.4   | 321.2   |
| 80°    | 714.0   | 716.3   | 739.4   | 838.8   | 903.5   | 857.3   | 559.2   | 448.3   | 309.6   | 293.5   | 291.1   |
| 82.5°  | 674.7   | 684.0   | 695.5   | 755.6   | 730.2   | 644.7   | 464.4   | 362.8   | 238.0   | 254.2   | 261.1   |
| 85°    | 621.6   | 630.8   | 637.8   | 672.4   | 610.0   | 471.4   | 360.5   | 272.7   | 152.5   | 166.4   | 164.1   |
| 87.5°  | 466.8   | 471.4   | 462.1   | 457.5   | 425.2   | 330.4   | 238.0   | 173.3   | 60.1    | 55.5    | 50.8    |
| 90°    | 224.1   | 221.8   | 212.6   | 196.4   | 171.0   | 134.0   | 99.4    | 55.5    | 25.4    | 11.6    | 4.6     |
| 92.5°  | 177.9   | 175.6   | 171.0   | 154.8   | 134.0   | 99.4    | 71.6    | 39.3    | 23.1    | 9.2     | 2.3     |
| 95°    | 120.2   | 115.5   | 110.9   | 99.4    | 83.2    | 60.1    | 41.6    | 27.7    | 18.5    | 6.9     | 2.3     |
| 97.5°  | 78.6    | 76.3    | 69.3    | 60.1    | 46.2    | 32.3    | 25.4    | 20.8    | 16.2    | 6.9     | 2.3     |
| 100°   | 48.5    | 48.5    | 43.9    | 34.7    | 23.1    | 18.5    | 16.2    | 16.2    | 11.6    | 4.6     | 0.0     |
| 102.5° | 30.0    | 27.7    | 25.4    | 16.2    | 11.6    | 11.6    | 11.6    | 11.6    | 9.2     | 4.6     | 0.0     |
| 105°   | 16.2    | 16.2    | 11.6    | 9.2     | 6.9     | 4.6     | 6.9     | 9.2     | 6.9     | 2.3     | 0.0     |
| 107.5° | 4.6     | 4.6     | 4.6     | 2.3     | 2.3     | 0.0     | 2.3     | 4.6     | 4.6     | 2.3     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 2.3     | 4.6     | 2.3     | 0.0     |



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 CATALOG NUMBER: CST-CA8-480-750-U-T5N-HSS-HM-EX180

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





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**CANDELA DISTRIBUTION (continued):**

|        | 95°     | 105°    | 115°    | 125°    | 135°    | 145°   | 155°   | 165°    | 175°    | 180°    |
|--------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|
| 0°     | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3  | 5520.3 | 5520.3 | 5520.3  | 5520.3  | 5520.3  |
| 2.5°   | 5578.0  | 5534.1  | 5545.7  | 5501.8  | 5494.8  | 5448.6 | 5527.2 | 5531.8  | 5511.0  | 5534.1  |
| 5°     | 5649.7  | 5596.5  | 5617.3  | 5564.2  | 5554.9  | 5494.8 | 5557.2 | 5550.3  | 5534.1  | 5552.6  |
| 7.5°   | 5751.3  | 5698.2  | 5709.7  | 5647.3  | 5635.8  | 5568.8 | 5628.9 | 5605.7  | 5585.0  | 5610.4  |
| 10°    | 5892.3  | 5832.2  | 5841.4  | 5767.5  | 5758.3  | 5679.7 | 5749.0 | 5714.4  | 5684.3  | 5719.0  |
| 12.5°  | 6065.6  | 5987.0  | 5977.8  | 5899.2  | 5892.3  | 5818.3 | 5890.0 | 5855.3  | 5825.3  | 5880.7  |
| 15°    | 6264.3  | 6160.3  | 6146.5  | 6047.1  | 6035.5  | 5959.3 | 6028.6 | 5977.8  | 5954.7  | 6026.3  |
| 17.5°  | 6530.0  | 6162.6  | 5957.0  | 5811.4  | 5728.2  | 5686.6 | 5811.4 | 5980.1  | 5929.2  | 5931.6  |
| 20°    | 6421.4  | 6026.3  | 5751.3  | 5626.5  | 5536.4  | 5134.4 | 4579.8 | 4739.2  | 5062.7  | 5222.2  |
| 22.5°  | 6389.1  | 6250.4  | 6137.2  | 5926.9  | 5032.7  | 4806.2 | 4838.6 | 4801.6  | 4191.6  | 3958.2  |
| 25°    | 7008.3  | 6848.9  | 6604.0  | 5501.8  | 5243.0  | 5192.1 | 5210.6 | 4572.9  | 4113.0  | 4180.0  |
| 27.5°  | 7800.9  | 7636.9  | 6428.4  | 5811.4  | 5760.6  | 5693.6 | 5328.5 | 4531.3  | 4593.7  | 4658.4  |
| 30°    | 8799.1  | 7937.2  | 6703.3  | 6513.9  | 6419.1  | 6349.8 | 4995.7 | 5060.4  | 5164.4  | 5245.3  |
| 32.5°  | 9771.9  | 7911.8  | 7491.3  | 7255.6  | 7137.7  | 5792.9 | 5645.0 | 5795.2  | 5901.5  | 5963.9  |
| 35°    | 9783.5  | 8817.6  | 8374.0  | 8071.3  | 7322.6  | 6227.3 | 6363.7 | 6615.5  | 6876.6  | 6925.2  |
| 37.5°  | 10049.2 | 9843.6  | 9335.2  | 8953.9  | 5446.3  | 6950.6 | 7251.0 | 7539.8  | 7800.9  | 7817.1  |
| 40°    | 11107.5 | 10885.7 | 10409.7 | 9570.9  | 6014.7  | 7089.2 | 8228.4 | 8554.2  | 8773.7  | 8762.2  |
| 42.5°  | 12163.5 | 12011.0 | 11516.5 | 8505.7  | 6777.3  | 6141.8 | 9254.3 | 9469.2  | 9607.9  | 9704.9  |
| 45°    | 13226.4 | 13073.9 | 11403.3 | 9339.8  | 7685.4  | 6726.4 | 9004.8 | 10222.5 | 10375.0 | 10423.6 |
| 47.5°  | 14056.0 | 13679.3 | 10449.0 | 10446.7 | 8819.9  | 7475.1 | 7435.8 | 10901.9 | 11035.9 | 11001.2 |
| 50°    | 14823.1 | 12212.0 | 11294.7 | 10809.4 | 9993.8  | 8179.9 | 7907.2 | 9173.5  | 11634.4 | 11583.5 |
| 52.5°  | 13487.5 | 11851.6 | 12020.2 | 9832.0  | 10936.5 | 8880.0 | 8438.7 | 8226.1  | 10571.4 | 11932.4 |
| 55°    | 12061.8 | 12292.9 | 12762.0 | 10802.5 | 7934.9  | 9106.5 | 8889.2 | 8466.4  | 7133.1  | 6003.2  |
| 57.5°  | 12309.1 | 12653.4 | 12676.5 | 11701.4 | 8212.2  | 5688.9 | 7285.6 | 6377.5  | 4029.9  | 4039.1  |
| 60°    | 11484.2 | 11932.4 | 9265.9  | 7800.9  | 4415.7  | 1185.4 | 115.5  | 101.7   | 702.5   | 855.0   |
| 62.5°  | 9709.5  | 10333.4 | 8845.3  | 6795.8  | 2832.9  | 43.9   | 11.6   | 2.3     | 0.0     | 0.0     |
| 65°    | 7519.0  | 8270.0  | 7475.1  | 5864.5  | 2514.0  | 13.9   | 0.0    | 0.0     | 0.0     | 0.0     |
| 67.5°  | 4958.8  | 5635.8  | 5679.7  | 4905.6  | 2095.8  | 6.9    | 0.0    | 0.0     | 0.0     | 0.0     |
| 70°    | 2077.3  | 2925.3  | 3535.4  | 3646.3  | 1647.5  | 2.3    | 0.0    | 0.0     | 0.0     | 0.0     |
| 72.5°  | 600.8   | 928.9   | 1700.7  | 2190.5  | 1046.7  | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 75°    | 399.8   | 427.5   | 492.2   | 986.7   | 522.2   | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 77.5°  | 330.4   | 337.4   | 281.9   | 270.4   | 150.2   | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 80°    | 300.4   | 295.8   | 226.4   | 159.4   | 55.5    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 82.5°  | 277.3   | 263.4   | 164.1   | 83.2    | 37.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 85°    | 187.2   | 184.9   | 73.9    | 50.8    | 6.9     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 87.5°  | 50.8    | 64.7    | 16.2    | 6.9     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P579566  
 CATALOG NUMBER: CST-CA8-480-750-U-T5N-HSS-HM-EX180

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)