

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: P579605

Luminaire Tested: **CST-CA8-330-760-U-T5-HSS-HM-EX180**

Issue Date: 11/18/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P579605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2110-429-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/18/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CST-CA8-330-760-U-T5-HSS-HM-EX180  
Description: CELESTEON HIGH MAST LUMINAIRE WITH FIELD INSTALLED SHIELD  
Light Source: (8) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30088 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Circular (Dia: 2.08' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U2 - G4

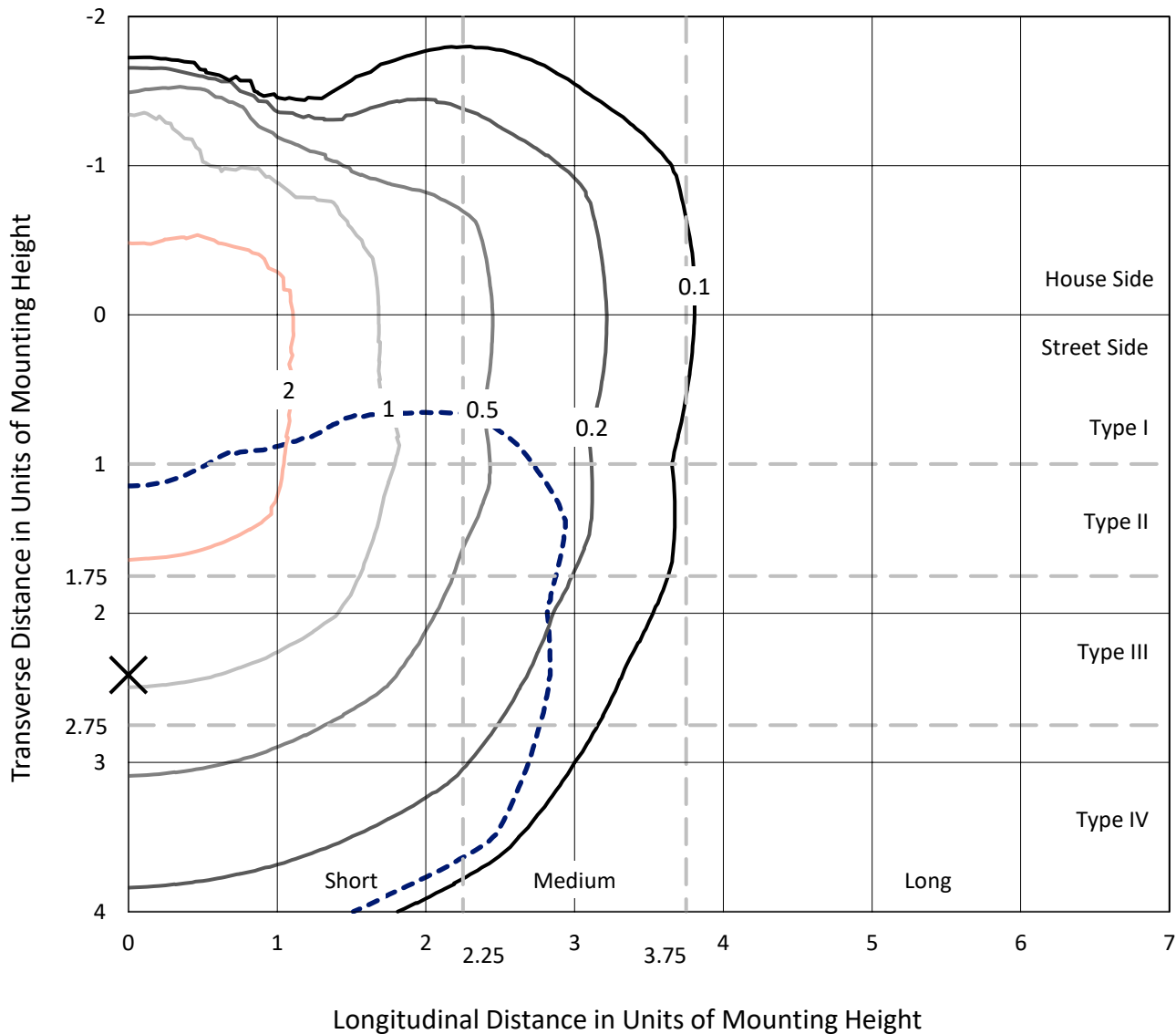
Input Watts (W): 331.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

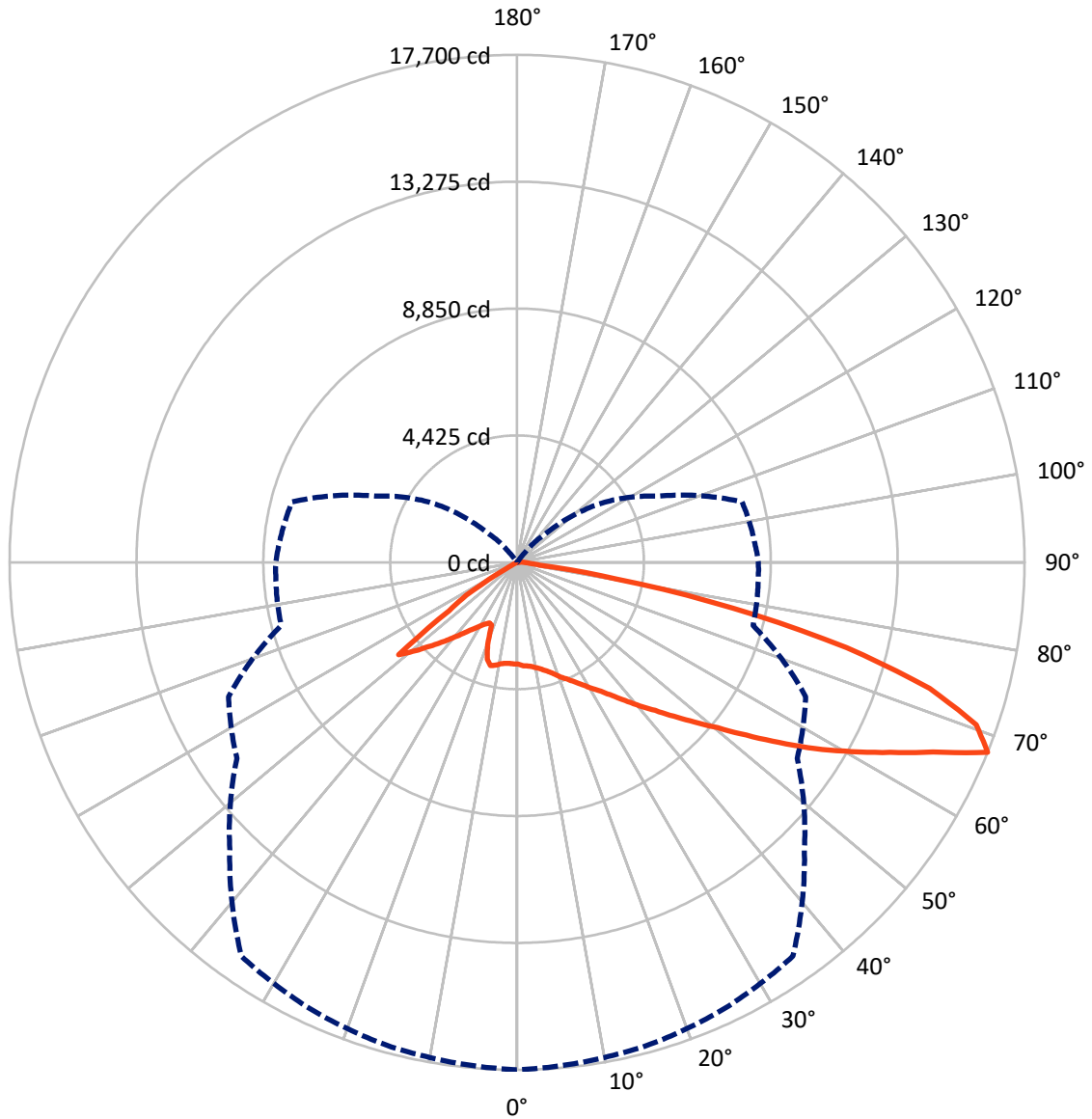
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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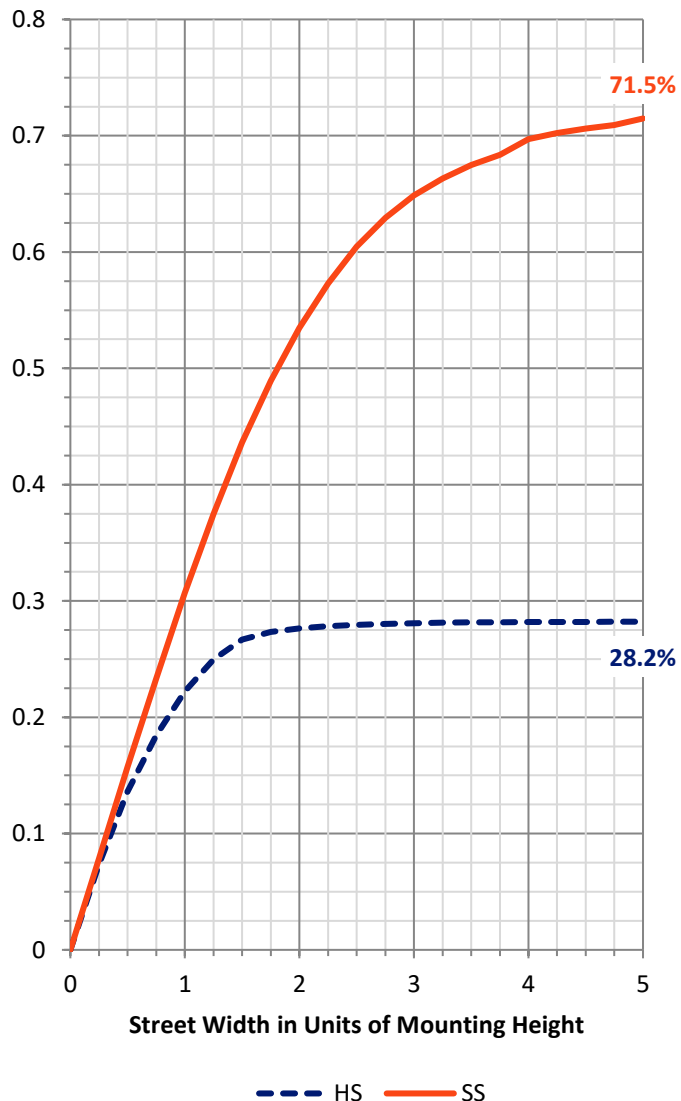
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8527.5   | 0.1    | 8527.6  |
|                    | % Fixture | 28.3     | 0.0    | 28.3    |
| <b>Street Side</b> | Lumens    | 21522.1  | 38.3   | 21560.4 |
|                    | % Fixture | 71.5     | 0.1    | 71.7    |
| <b>Total</b>       | Lumens    | 30049.6  | 38.4   | 30088.0 |
|                    | % Fixture | 99.9     | 0.1    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 341.7   | 1.1       |
| 10°-20°   | 1052.0  | 3.5       |
| 20°-30°   | 1742.0  | 5.8       |
| 30°-40°   | 2742.2  | 9.1       |
| 40°-50°   | 4291.5  | 14.3      |
| 50°-60°   | 6196.2  | 20.6      |
| 60°-70°   | 7676.0  | 25.5      |
| 70°-80°   | 5590.3  | 18.6      |
| 80°-90°   | 417.6   | 1.4       |
| 90°-100°  | 32.8    | 0.1       |
| 100°-110° | 5.5     | 0.0       |
| 110°-120° | 0.2     | 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°    | 30049.6 | 99.9      |
| 0°-180°   | 30088.0 | 100.0     |

**Coefficient of Utilization**

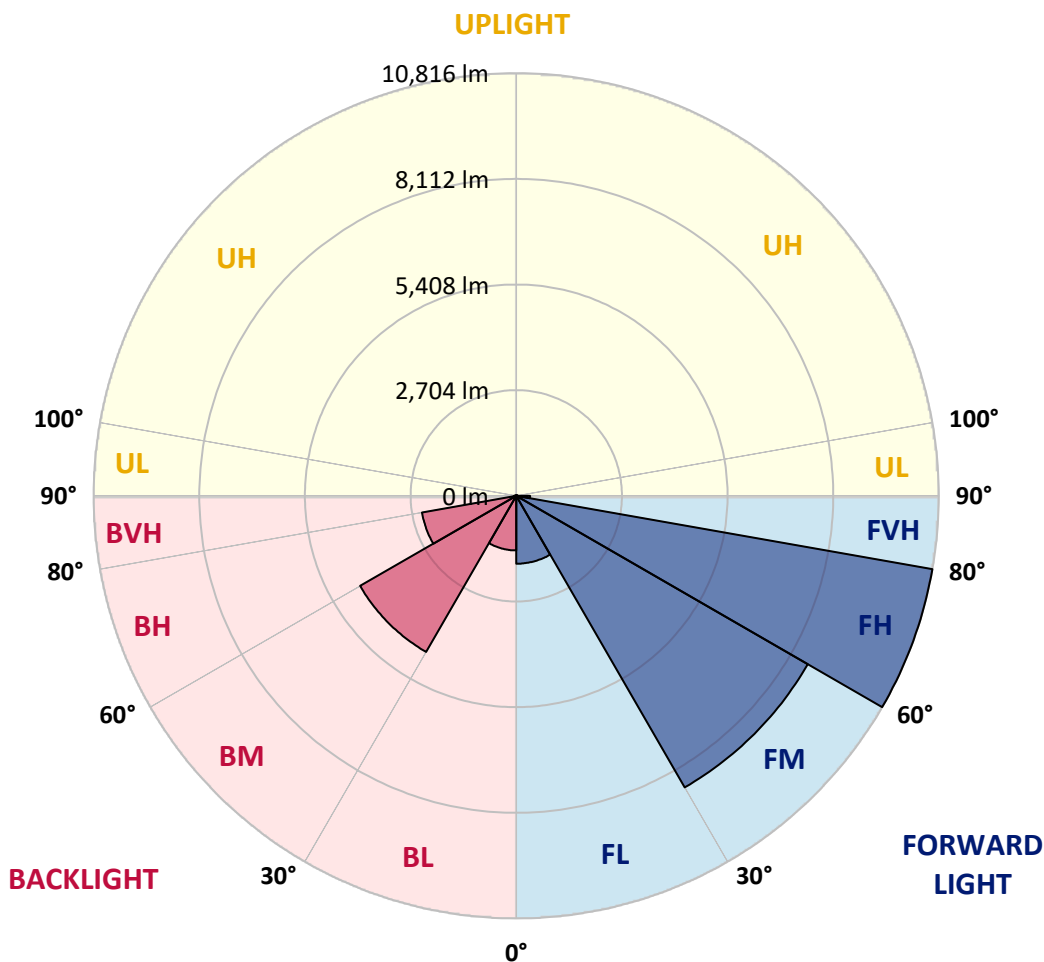


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |       |          |
|----------------|---------|-----------|-------------------------|-------|----------|
|                |         |           | B                       | U     | G        |
| FL (0°-30°)    | 1737.8  | 5.8       |                         |       |          |
| FM (30°-60°)   | 8616.3  | 28.6      |                         |       |          |
| FH (60°-80°)   | 10815.7 | 35.9      |                         |       | G4/12000 |
| FVH (80°-90°)  | 352.3   | 1.2       |                         |       | G3/500   |
| BL (0°-30°)    | 1397.9  | 4.6       | B3/2500                 |       |          |
| BM (30°-60°)   | 4613.5  | 15.3      | B3/5000                 |       |          |
| BH (60°-80°)   | 2450.7  | 8.1       | B3/2500                 |       | G3/2500  |
| BVH (80°-90°)  | 65.4    | 0.2       |                         |       | G1/100   |
| UL (90°-100°)  | 32.8    | 0.1       |                         | U2/50 |          |
| UH (100°-180°) | 5.6     | 0.0       |                         | U1/10 |          |

**BUG Rating: B3-U2-G4**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°    | 85°    | 90°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°     | 3543.6  | 3543.6  | 3543.6  | 3543.6  | 3543.6  | 3543.6  | 3543.6  | 3543.6  | 3543.6 | 3543.6 | 3543.6 |
| 2.5°   | 3608.4  | 3588.8  | 3588.8  | 3609.9  | 3551.1  | 3569.2  | 3545.1  | 3566.2  | 3554.1 | 3560.2 | 3567.7 |
| 5°     | 3629.5  | 3606.9  | 3608.4  | 3634.1  | 3581.3  | 3596.4  | 3567.7  | 3578.3  | 3567.7 | 3572.2 | 3572.2 |
| 7.5°   | 3668.7  | 3649.1  | 3649.1  | 3664.2  | 3611.4  | 3616.0  | 3590.3  | 3590.3  | 3576.8 | 3587.3 | 3578.3 |
| 10°    | 3742.6  | 3721.5  | 3711.0  | 3718.5  | 3671.8  | 3665.7  | 3631.1  | 3631.1  | 3609.9 | 3626.5 | 3613.0 |
| 12.5°  | 3831.6  | 3801.4  | 3798.4  | 3799.9  | 3747.2  | 3736.6  | 3697.4  | 3698.9  | 3659.7 | 3682.3 | 3665.7 |
| 15°    | 3938.7  | 3901.0  | 3898.0  | 3904.0  | 3848.2  | 3828.6  | 3784.9  | 3784.9  | 3741.1 | 3753.2 | 3730.6 |
| 17.5°  | 4075.9  | 4032.2  | 4024.6  | 4035.2  | 3979.4  | 3961.3  | 3910.0  | 3901.0  | 3852.7 | 3843.7 | 3824.1 |
| 20°    | 4256.8  | 4207.1  | 4192.0  | 4214.6  | 4143.7  | 4127.2  | 4065.3  | 4045.7  | 3980.9 | 3873.8 | 3733.6 |
| 22.5°  | 4419.7  | 4380.5  | 4371.4  | 4386.5  | 4321.7  | 4305.1  | 4244.8  | 4204.1  | 4047.2 | 3831.6 | 3701.9 |
| 25°    | 4605.2  | 4590.1  | 4585.6  | 4576.5  | 4517.7  | 4489.1  | 4431.8  | 4374.5  | 4018.6 | 3723.0 | 3720.0 |
| 27.5°  | 4834.4  | 4826.8  | 4805.7  | 4798.2  | 4733.3  | 4715.2  | 4639.8  | 4270.4  | 3916.0 | 3894.9 | 3882.9 |
| 30°    | 5084.7  | 5069.6  | 5048.5  | 5050.0  | 5006.3  | 4973.1  | 4793.7  | 4178.4  | 4113.6 | 4113.6 | 4081.9 |
| 32.5°  | 5362.1  | 5345.5  | 5324.4  | 5329.0  | 5310.9  | 5282.2  | 4742.4  | 4421.2  | 4371.4 | 4385.0 | 4345.8 |
| 35°    | 5705.9  | 5678.8  | 5671.3  | 5689.3  | 5690.9  | 5505.4  | 4832.9  | 4751.4  | 4712.2 | 4703.2 | 4555.4 |
| 37.5°  | 6107.0  | 6084.4  | 6111.6  | 6153.8  | 6105.5  | 5562.7  | 5193.2  | 5167.6  | 5128.4 | 4909.8 | 4559.9 |
| 40°    | 6588.1  | 6547.4  | 6580.5  | 6607.7  | 6576.0  | 5903.5  | 5571.7  | 5580.8  | 5546.1 | 4897.7 | 4510.2 |
| 42.5°  | 7064.6  | 7025.4  | 7054.0  | 7121.9  | 7109.8  | 6325.7  | 6033.2  | 6052.8  | 5702.9 | 4926.3 | 4896.2 |
| 45°    | 7654.2  | 7640.6  | 7631.5  | 7687.3  | 7734.1  | 6830.8  | 6580.5  | 6579.0  | 5591.3 | 5381.7 | 5354.6 |
| 47.5°  | 8322.2  | 8304.1  | 8308.6  | 8379.5  | 8450.3  | 7434.0  | 7227.4  | 6621.2  | 5879.3 | 5900.5 | 5876.3 |
| 50°    | 9067.1  | 9047.5  | 9106.3  | 9208.8  | 9245.0  | 8111.1  | 7857.7  | 6506.6  | 6479.5 | 6502.1 | 6461.4 |
| 52.5°  | 10012.5 | 9968.8  | 10059.3 | 10169.4 | 10216.1 | 8911.8  | 7892.4  | 7183.7  | 7138.5 | 7143.0 | 7013.3 |
| 55°    | 11087.7 | 11053.0 | 11134.4 | 11258.1 | 11327.4 | 9805.9  | 8613.2  | 7842.6  | 7815.5 | 7046.5 | 6345.3 |
| 57.5°  | 12256.3 | 12217.1 | 12325.7 | 12361.9 | 12380.0 | 10730.3 | 9338.5  | 8557.4  | 7301.3 | 6434.3 | 6395.1 |
| 60°    | 13402.3 | 13360.1 | 13497.3 | 13503.3 | 13556.1 | 11653.1 | 10027.6 | 9246.5  | 7034.4 | 6919.8 | 6886.6 |
| 62.5°  | 14605.6 | 14552.9 | 14673.5 | 14669.0 | 14564.9 | 12497.6 | 10710.7 | 9908.5  | 7510.9 | 7420.4 | 7369.2 |
| 65°    | 15941.6 | 15902.4 | 15986.9 | 15851.2 | 15644.6 | 13370.7 | 11419.4 | 10629.3 | 8065.8 | 8049.2 | 8037.2 |
| 67.5°  | 17699.9 | 17623.0 | 17452.6 | 17163.0 | 16768.0 | 14171.4 | 11926.1 | 11104.3 | 8516.7 | 8439.8 | 8415.7 |
| 70°    | 16992.7 | 16902.2 | 16772.5 | 16454.3 | 16051.7 | 13418.9 | 11111.8 | 10386.5 | 7963.3 | 7966.3 | 7909.0 |
| 72.5°  | 15045.9 | 14889.1 | 14767.0 | 14320.6 | 14099.0 | 11719.5 | 9682.3  | 9014.3  | 6888.1 | 7016.3 | 6989.2 |
| 75°    | 11868.8 | 11708.9 | 11508.4 | 11333.5 | 11309.3 | 9505.9  | 7806.5  | 7325.4  | 5491.8 | 5585.3 | 5653.2 |
| 77.5°  | 7693.4  | 7634.6  | 7887.9  | 7722.0  | 7871.3  | 6545.8  | 5576.3  | 5163.1  | 3784.9 | 4021.6 | 3989.9 |
| 80°    | 3521.0  | 3453.1  | 3860.3  | 3745.7  | 3801.4  | 3214.9  | 2724.8  | 2617.7  | 1713.0 | 1725.1 | 1761.2 |
| 82.5°  | 796.2   | 769.0   | 797.7   | 732.8   | 714.8   | 604.7   | 532.3   | 482.5   | 303.1  | 321.2  | 337.8  |
| 85°    | 435.8   | 435.8   | 429.8   | 399.6   | 342.3   | 282.0   | 223.2   | 171.9   | 93.5   | 102.5  | 101.0  |
| 87.5°  | 306.1   | 298.6   | 297.1   | 265.4   | 227.7   | 193.0   | 153.8   | 110.1   | 52.8   | 36.2   | 33.2   |
| 90°    | 209.6   | 206.6   | 196.0   | 176.4   | 152.3   | 125.2   | 93.5    | 54.3    | 22.6   | 10.6   | 7.5    |
| 92.5°  | 152.3   | 149.3   | 141.7   | 125.2   | 104.0   | 84.4    | 61.8    | 36.2    | 18.1   | 7.5    | 1.5    |
| 95°    | 101.0   | 99.5    | 95.0    | 81.4    | 67.9    | 54.3    | 39.2    | 22.6    | 15.1   | 6.0    | 1.5    |
| 97.5°  | 69.4    | 67.9    | 63.3    | 54.3    | 43.7    | 34.7    | 24.1    | 16.6    | 12.1   | 4.5    | 1.5    |
| 100°   | 46.7    | 45.2    | 42.2    | 34.7    | 27.1    | 21.1    | 15.1    | 12.1    | 9.0    | 4.5    | 1.5    |
| 102.5° | 30.2    | 28.7    | 25.6    | 21.1    | 15.1    | 12.1    | 10.6    | 9.0     | 6.0    | 3.0    | 1.5    |
| 105°   | 18.1    | 16.6    | 13.6    | 10.6    | 9.0     | 7.5     | 7.5     | 6.0     | 4.5    | 1.5    | 1.5    |
| 107.5° | 9.0     | 7.5     | 6.0     | 6.0     | 6.0     | 4.5     | 4.5     | 4.5     | 3.0    | 1.5    | 0.0    |
| 110°   | 1.5     | 1.5     | 3.0     | 3.0     | 3.0     | 3.0     | 3.0     | 3.0     | 3.0    | 1.5    | 0.0    |



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**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°     | 3543.6 | 3543.6 | 3543.6 | 3543.6 | 3543.6 | 3543.6 | 3543.6 | 3543.6 | 3543.6 | 3543.6 |
| 2.5°   | 3560.2 | 3536.1 | 3549.6 | 3528.5 | 3524.0 | 3501.4 | 3537.6 | 3542.1 | 3539.1 | 3545.1 |
| 5°     | 3564.7 | 3539.1 | 3554.1 | 3528.5 | 3528.5 | 3504.4 | 3539.1 | 3539.1 | 3530.0 | 3533.0 |
| 7.5°   | 3576.8 | 3551.1 | 3561.7 | 3533.0 | 3534.5 | 3505.9 | 3548.1 | 3543.6 | 3536.1 | 3546.6 |
| 10°    | 3611.4 | 3582.8 | 3581.3 | 3554.1 | 3560.2 | 3530.0 | 3582.8 | 3582.8 | 3575.3 | 3594.9 |
| 12.5°  | 3667.2 | 3625.0 | 3617.5 | 3584.3 | 3596.4 | 3570.7 | 3635.6 | 3638.6 | 3640.1 | 3671.8 |
| 15°    | 3726.0 | 3674.8 | 3682.3 | 3643.1 | 3638.6 | 3625.0 | 3683.8 | 3680.8 | 3679.3 | 3723.0 |
| 17.5°  | 3809.0 | 3567.7 | 3528.5 | 3501.4 | 3495.3 | 3462.2 | 3516.4 | 3620.5 | 3566.2 | 3536.1 |
| 20°    | 3677.8 | 3551.1 | 3395.8 | 3343.0 | 3332.5 | 3044.5 | 2816.8 | 2919.3 | 3058.0 | 3070.1 |
| 22.5°  | 3558.7 | 3513.4 | 3501.4 | 3418.4 | 2958.5 | 2862.0 | 2871.1 | 2833.4 | 2504.6 | 2361.4 |
| 25°    | 3706.4 | 3667.2 | 3616.0 | 3109.3 | 3000.7 | 2966.1 | 2955.5 | 2569.5 | 2310.1 | 2326.7 |
| 27.5°  | 3870.8 | 3827.1 | 3380.7 | 3116.9 | 3141.0 | 3092.7 | 2854.5 | 2397.6 | 2382.5 | 2411.2 |
| 30°    | 4075.9 | 3726.0 | 3299.3 | 3284.2 | 3306.8 | 3245.0 | 2536.3 | 2503.1 | 2498.6 | 2528.8 |
| 32.5°  | 4309.6 | 3593.4 | 3516.4 | 3516.4 | 3505.9 | 2837.9 | 2672.0 | 2649.4 | 2661.5 | 2693.1 |
| 35°    | 4222.2 | 3801.4 | 3792.4 | 3830.1 | 3576.8 | 2911.8 | 2889.2 | 2850.0 | 2859.0 | 2869.6 |
| 37.5°  | 4125.6 | 4143.7 | 4148.3 | 4128.7 | 2608.7 | 3122.9 | 3104.8 | 3097.3 | 3088.2 | 3091.2 |
| 40°    | 4484.5 | 4496.6 | 4492.1 | 4312.6 | 2815.3 | 3163.6 | 3349.1 | 3335.5 | 3334.0 | 3352.1 |
| 42.5°  | 4903.7 | 4936.9 | 4911.3 | 3804.5 | 3091.2 | 2660.0 | 3631.1 | 3623.5 | 3620.5 | 3658.2 |
| 45°    | 5375.7 | 5407.4 | 4869.0 | 4074.4 | 3385.3 | 2753.4 | 3650.7 | 3931.1 | 3953.7 | 3986.9 |
| 47.5°  | 5886.9 | 5880.9 | 4493.6 | 4489.1 | 3730.6 | 3012.8 | 3035.4 | 4299.1 | 4336.8 | 4348.8 |
| 50°    | 6475.0 | 5508.4 | 4920.3 | 4754.4 | 4121.1 | 3303.8 | 3217.9 | 3944.7 | 4777.1 | 4789.1 |
| 52.5°  | 6349.8 | 5449.6 | 5410.4 | 4170.9 | 4471.0 | 3625.0 | 3540.6 | 3518.0 | 4952.0 | 5243.0 |
| 55°    | 5918.6 | 5963.8 | 5908.0 | 4576.5 | 3278.2 | 3911.5 | 3858.7 | 3836.1 | 3683.8 | 2916.3 |
| 57.5°  | 6398.1 | 6411.6 | 6363.4 | 4949.0 | 3334.0 | 2438.3 | 3798.4 | 3258.6 | 2117.1 | 2106.6 |
| 60°    | 6895.7 | 6918.3 | 4739.4 | 3635.6 | 2136.7 | 815.8  | 194.5  | 205.1  | 585.1  | 514.2  |
| 62.5°  | 7370.7 | 7393.3 | 5016.8 | 3321.9 | 1349.6 | 60.3   | 39.2   | 27.1   | 30.2   | 30.2   |
| 65°    | 7990.4 | 7999.5 | 5369.7 | 3516.4 | 1402.4 | 15.1   | 4.5    | 0.0    | 0.0    | 0.0    |
| 67.5°  | 8311.6 | 8126.1 | 5458.6 | 3605.4 | 1440.1 | 9.0    | 3.0    | 0.0    | 0.0    | 0.0    |
| 70°    | 7826.1 | 7627.0 | 5081.7 | 3379.2 | 1342.0 | 7.5    | 1.5    | 0.0    | 0.0    | 0.0    |
| 72.5°  | 6895.7 | 6799.2 | 4561.4 | 2996.2 | 1188.2 | 4.5    | 1.5    | 0.0    | 0.0    | 0.0    |
| 75°    | 5715.0 | 5586.8 | 3781.8 | 2497.1 | 983.2  | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5°  | 4065.3 | 4080.4 | 2635.8 | 1820.0 | 669.5  | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°    | 1779.3 | 1820.0 | 1155.1 | 835.4  | 236.7  | 1.5    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5°  | 339.3  | 312.1  | 150.8  | 119.1  | 30.2   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°    | 111.6  | 122.1  | 55.8   | 45.2   | 13.6   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5°  | 39.2   | 49.8   | 16.6   | 13.6   | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°    | 6.0    | 6.0    | 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: P579605  
 CATALOG NUMBER: CST-CA8-330-760-U-T5-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)