

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: P965196

Luminaire Tested: **NVN-SB3D-760-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P965196  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB3D-760-U-T3  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 33132.1 lumens  
Efficiency: N/A  
Efficacy: 151.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
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

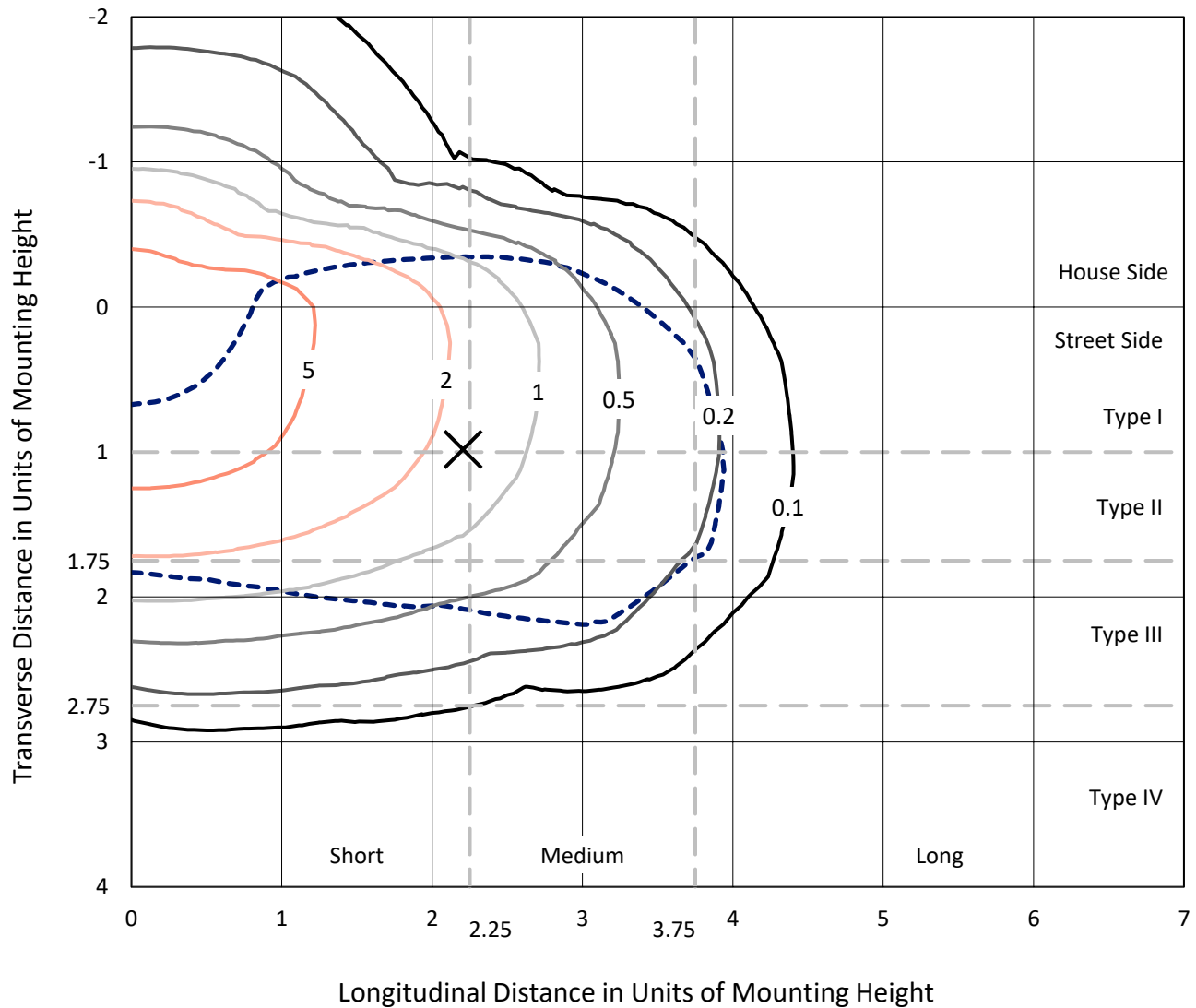


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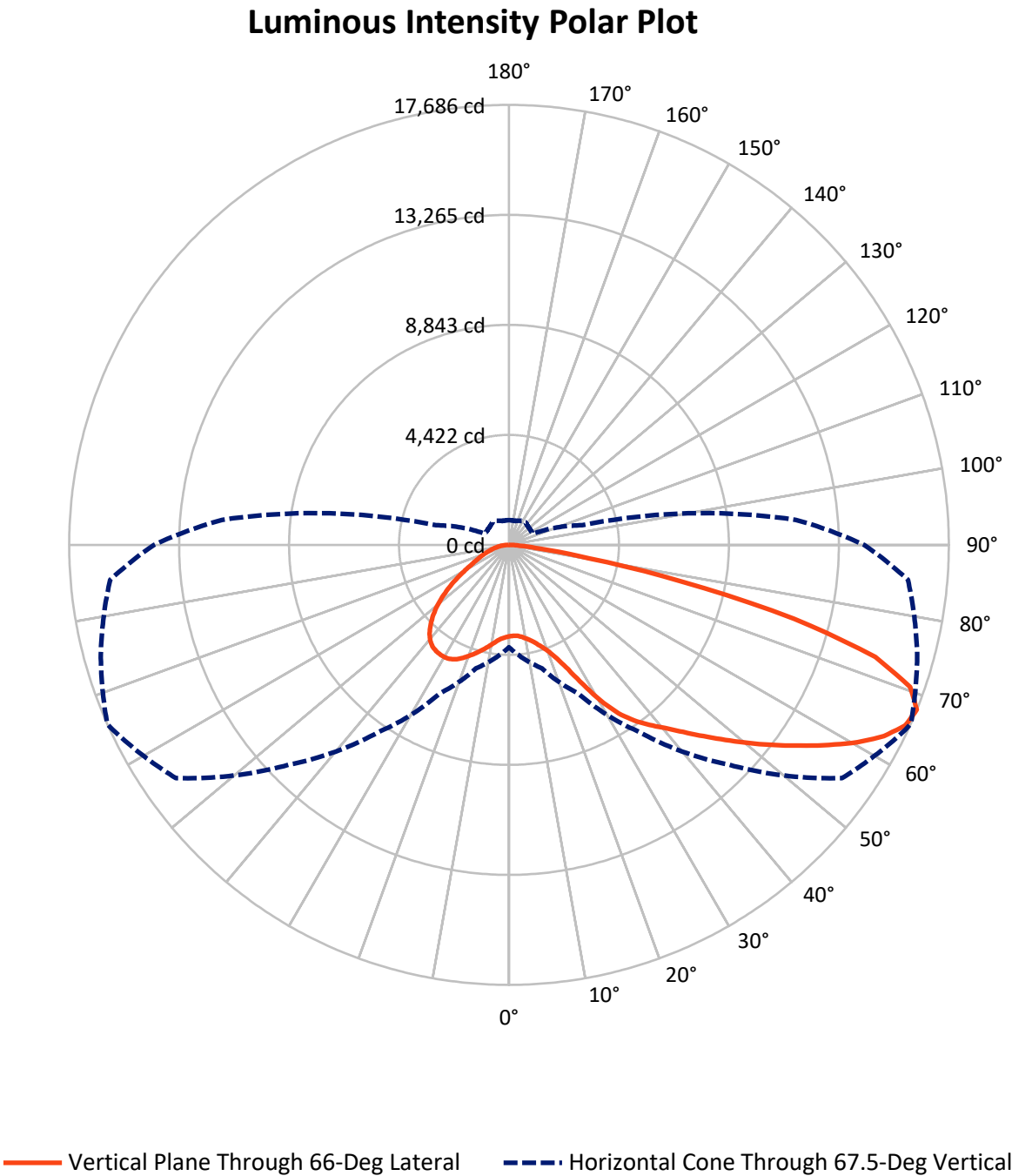
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
Type III - Short - N/A

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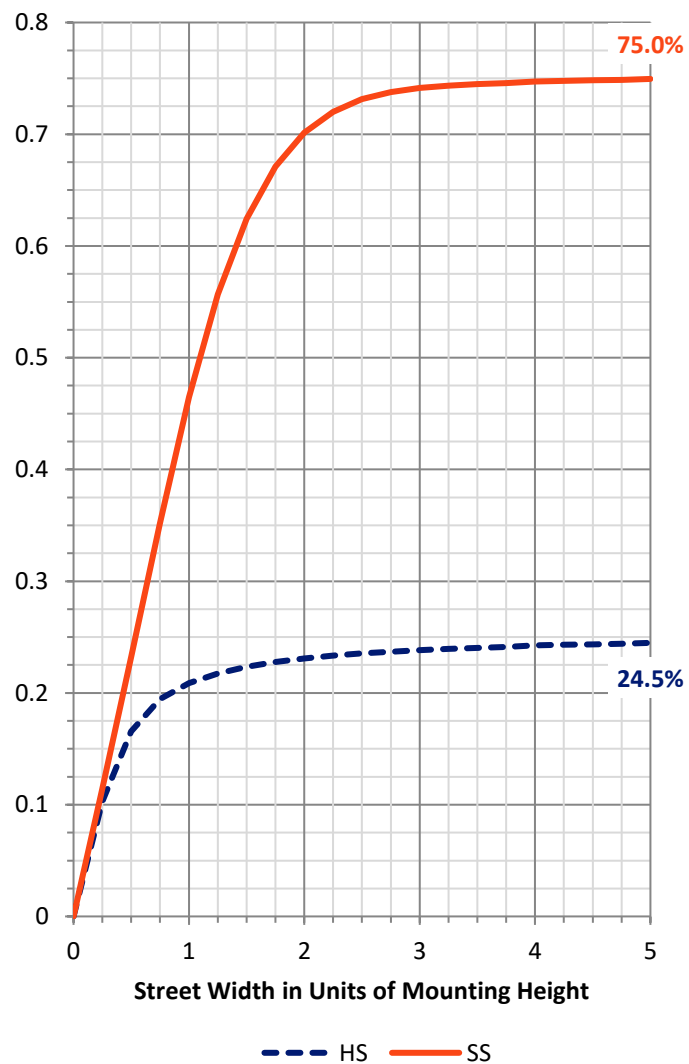
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8238.2   | 0.0    | 8238.2  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 24893.9  | 0.0    | 24893.9 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 33132.1  | 0.0    | 33132.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 364.3   | 1.1       |
| 10°-20°   | 1203.7  | 3.6       |
| 20°-30°   | 2320.1  | 7.0       |
| 30°-40°   | 4068.0  | 12.3      |
| 40°-50°   | 6047.8  | 18.3      |
| 50°-60°   | 7666.2  | 23.1      |
| 60°-70°   | 7501.2  | 22.6      |
| 70°-80°   | 3578.2  | 10.8      |
| 80°-90°   | 382.4   | 1.2       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 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°    | 33132.1 | 100.0     |
| 0°-180°   | 33132.1 | 100.0     |

**Coefficient of Utilization**



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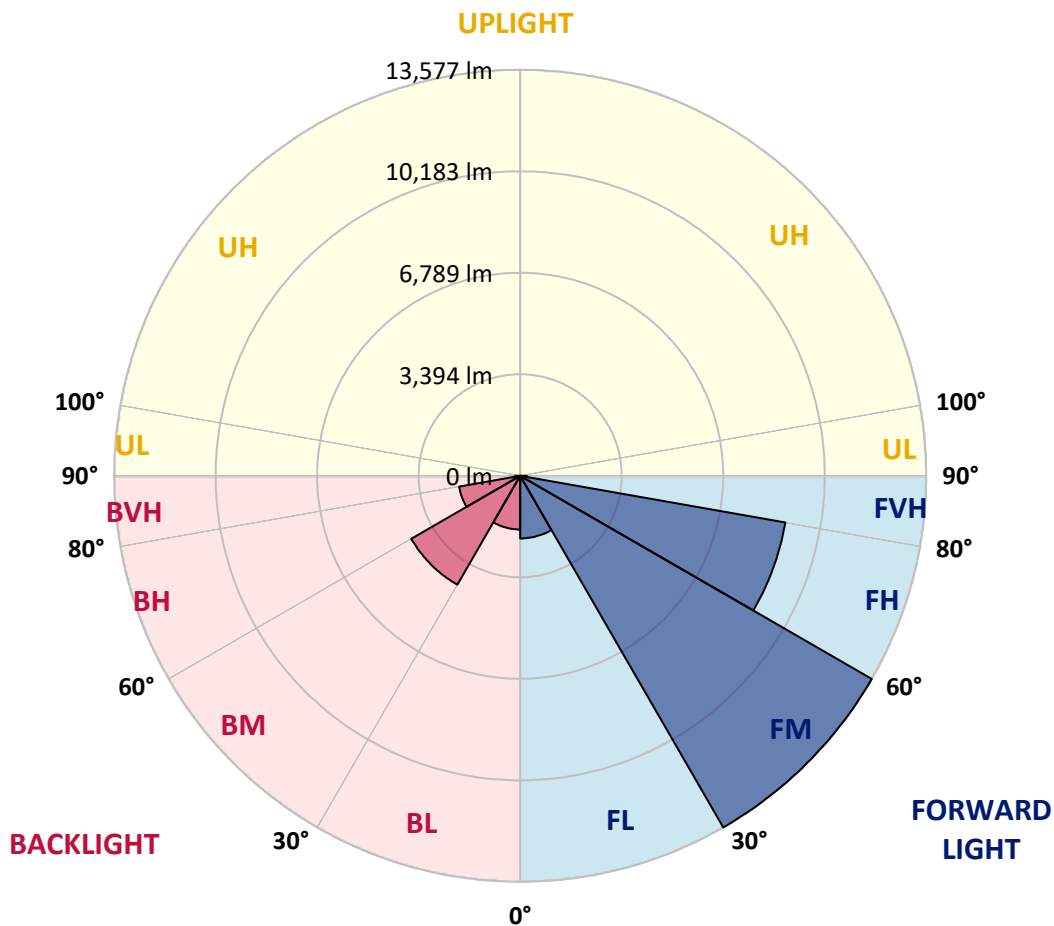
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2093.6  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 13577.3 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 9006.2  | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 216.8   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1794.6  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4204.9  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2073.2  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 165.6   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  | 3674.8  |
| 2.5°  | 3636.5  | 3657.4  | 3652.2  | 3643.5  | 3641.7  | 3645.2  | 3650.4  | 3655.7  | 3653.9  | 3662.6  | 3676.6  |
| 5°    | 3626.0  | 3647.0  | 3645.2  | 3645.2  | 3652.2  | 3666.1  | 3674.8  | 3683.5  | 3674.8  | 3685.2  | 3704.3  |
| 7.5°  | 3633.0  | 3648.7  | 3655.7  | 3662.6  | 3680.1  | 3706.1  | 3727.0  | 3746.2  | 3735.7  | 3747.9  | 3772.3  |
| 10°   | 3721.8  | 3734.0  | 3740.9  | 3740.9  | 3753.1  | 3782.8  | 3803.6  | 3838.4  | 3829.7  | 3848.9  | 3880.2  |
| 12.5° | 3883.7  | 3895.8  | 3895.8  | 3889.0  | 3897.6  | 3916.7  | 3923.7  | 3962.0  | 3946.4  | 3977.7  | 4009.0  |
| 15°   | 4082.2  | 4106.5  | 4087.4  | 4075.2  | 4078.7  | 4097.8  | 4096.1  | 4125.6  | 4109.9  | 4136.1  | 4164.0  |
| 17.5° | 4301.5  | 4332.8  | 4301.5  | 4299.8  | 4292.8  | 4313.6  | 4315.4  | 4341.5  | 4313.6  | 4332.8  | 4351.9  |
| 20°   | 4560.8  | 4604.4  | 4578.3  | 4587.0  | 4571.3  | 4580.0  | 4588.7  | 4627.0  | 4583.5  | 4597.4  | 4592.2  |
| 22.5° | 4926.5  | 4978.6  | 4950.8  | 4983.9  | 4973.4  | 4966.4  | 4964.7  | 5032.6  | 4964.7  | 4969.9  | 4919.5  |
| 25°   | 5459.0  | 5521.8  | 5473.0  | 5518.3  | 5518.3  | 5540.9  | 5567.0  | 5654.1  | 5540.9  | 5507.8  | 5377.3  |
| 27.5° | 6245.9  | 6308.6  | 6212.8  | 6240.7  | 6232.0  | 6287.7  | 6259.9  | 6475.7  | 6353.9  | 6299.9  | 6037.0  |
| 30°   | 7192.9  | 7304.4  | 7123.2  | 7116.3  | 7107.7  | 7196.4  | 7236.4  | 7379.2  | 7255.6  | 7201.6  | 6884.8  |
| 32.5° | 8216.5  | 8333.1  | 8117.3  | 8054.6  | 8021.5  | 8075.5  | 8042.4  | 8157.3  | 8072.0  | 7988.4  | 7596.8  |
| 35°   | 9299.2  | 9414.1  | 9208.7  | 9086.8  | 8954.6  | 8841.4  | 8723.1  | 8752.7  | 8672.5  | 8545.5  | 8139.9  |
| 37.5° | 10322.9 | 10533.4 | 10315.9 | 10185.3 | 9941.6  | 9720.5  | 9389.8  | 9252.3  | 9177.4  | 9060.8  | 8651.7  |
| 40°   | 11365.5 | 11485.6 | 11320.3 | 11208.9 | 10944.3 | 10597.9 | 10068.7 | 9778.0  | 9677.0  | 9563.9  | 9217.4  |
| 42.5° | 12133.2 | 12248.1 | 12159.4 | 12082.8 | 11875.6 | 11473.4 | 10789.4 | 10425.6 | 10279.3 | 10152.2 | 9858.0  |
| 45°   | 12742.5 | 12827.8 | 12772.1 | 12800.0 | 12711.2 | 12321.2 | 11536.2 | 11120.1 | 10968.6 | 10813.7 | 10582.2 |
| 47.5° | 12988.0 | 13078.5 | 13167.3 | 13332.7 | 13484.1 | 13196.9 | 12338.6 | 11872.2 | 11712.0 | 11553.6 | 11325.5 |
| 50°   | 12960.1 | 13052.3 | 13310.0 | 13661.6 | 14131.7 | 14035.9 | 13184.7 | 12672.9 | 12524.9 | 12343.9 | 12133.2 |
| 52.5° | 12737.3 | 12841.7 | 13172.5 | 13757.3 | 14505.9 | 14664.4 | 14046.4 | 13499.8 | 13360.5 | 13144.6 | 12934.0 |
| 55°   | 12152.4 | 12215.0 | 12711.2 | 13539.8 | 14594.7 | 15103.0 | 14890.7 | 14380.5 | 14241.4 | 13940.2 | 13710.4 |
| 57.5° | 11067.8 | 11158.4 | 11880.9 | 12953.1 | 14371.9 | 15400.7 | 15632.2 | 15306.6 | 15172.7 | 14739.2 | 14498.9 |
| 60°   | 9652.6  | 9797.2  | 10624.0 | 11967.9 | 13804.4 | 15399.0 | 16305.9 | 16217.1 | 16105.7 | 15526.0 | 15275.4 |
| 62.5° | 8051.1  | 8218.2  | 9013.7  | 10575.2 | 12812.2 | 14962.0 | 16727.2 | 16979.5 | 16922.1 | 16251.9 | 15931.6 |
| 65°   | 6183.2  | 6298.1  | 7090.2  | 8773.5  | 11268.0 | 14023.7 | 16775.9 | 17500.0 | 17510.5 | 16803.7 | 16274.5 |
| 67.5° | 4116.9  | 4447.7  | 5135.4  | 6583.7  | 9200.0  | 12490.1 | 16347.6 | 17585.4 | 17686.4 | 16993.5 | 16102.2 |
| 70°   | 2008.9  | 2444.0  | 3117.7  | 4278.9  | 6583.7  | 10138.3 | 15228.3 | 16885.5 | 17110.1 | 16440.0 | 15075.2 |
| 72.5° | 833.8   | 974.9   | 1342.1  | 2111.6  | 3779.3  | 6841.3  | 12979.3 | 14988.2 | 15404.2 | 14566.9 | 12674.6 |
| 75°   | 562.3   | 609.3   | 767.7   | 1082.8  | 1721.6  | 3373.6  | 9360.2  | 11175.8 | 11846.0 | 11001.7 | 8992.8  |
| 77.5° | 433.5   | 463.1   | 558.8   | 757.3   | 1023.6  | 1276.0  | 5010.0  | 6735.1  | 7081.5  | 6555.8  | 4679.2  |
| 80°   | 341.2   | 363.8   | 417.8   | 551.9   | 725.9   | 682.3   | 1707.8  | 3051.6  | 3251.8  | 2727.8  | 1504.1  |
| 82.5° | 295.9   | 304.6   | 299.4   | 374.2   | 482.2   | 398.6   | 560.6   | 1126.3  | 1242.9  | 901.7   | 490.9   |
| 85°   | 214.1   | 238.5   | 249.0   | 231.5   | 255.9   | 201.9   | 229.8   | 398.6   | 438.7   | 391.7   | 276.8   |
| 87.5° | 87.0    | 128.8   | 158.4   | 149.8   | 94.0    | 57.4    | 71.3    | 116.6   | 134.1   | 146.3   | 90.5    |
| 90°   | 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):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3674.8  | 3674.8  | 3674.8 | 3674.8 | 3674.8 | 3674.8 | 3674.8 | 3674.8 | 3674.8 | 3674.8 | 3674.8 |
| 2.5°  | 3678.3  | 3690.4  | 3699.1 | 3709.6 | 3716.5 | 3727.0 | 3747.9 | 3760.1 | 3761.9 | 3770.6 | 3768.8 |
| 5°    | 3711.3  | 3728.7  | 3747.9 | 3775.8 | 3807.1 | 3833.2 | 3873.3 | 3901.0 | 3911.5 | 3920.2 | 3918.5 |
| 7.5°  | 3782.8  | 3807.1  | 3841.9 | 3890.7 | 3935.9 | 3970.7 | 4019.4 | 4052.5 | 4085.6 | 4097.8 | 4099.5 |
| 10°   | 3889.0  | 3923.7  | 3974.2 | 4040.3 | 4089.1 | 4134.3 | 4184.9 | 4212.6 | 4245.8 | 4259.7 | 4266.7 |
| 12.5° | 4021.2  | 4057.8  | 4123.9 | 4216.1 | 4261.4 | 4292.8 | 4310.1 | 4303.3 | 4310.1 | 4322.3 | 4325.8 |
| 15°   | 4172.7  | 4212.6  | 4287.6 | 4386.8 | 4418.1 | 4390.3 | 4351.9 | 4317.1 | 4311.9 | 4315.4 | 4327.5 |
| 17.5° | 4351.9  | 4381.6  | 4468.6 | 4552.1 | 4529.5 | 4414.6 | 4331.0 | 4275.4 | 4247.5 | 4238.8 | 4251.0 |
| 20°   | 4602.7  | 4602.7  | 4674.0 | 4726.2 | 4574.8 | 4379.8 | 4249.2 | 4158.7 | 4101.2 | 4076.9 | 4071.7 |
| 22.5° | 4907.3  | 4879.4  | 4924.7 | 4888.1 | 4566.1 | 4282.3 | 4101.2 | 3944.6 | 3857.6 | 3822.7 | 3817.5 |
| 25°   | 5293.7  | 5260.6  | 5248.4 | 5022.2 | 4503.4 | 4127.4 | 3833.2 | 3643.5 | 3566.9 | 3547.7 | 3551.2 |
| 27.5° | 5876.8  | 5793.3  | 5634.9 | 5095.3 | 4388.5 | 3883.7 | 3519.8 | 3344.1 | 3300.5 | 3302.2 | 3307.5 |
| 30°   | 6653.3  | 6486.1  | 6097.9 | 5107.5 | 4200.6 | 3539.0 | 3199.5 | 3074.2 | 3053.4 | 3062.0 | 3091.6 |
| 32.5° | 7372.2  | 7213.7  | 6571.5 | 5051.7 | 3911.5 | 3201.3 | 2912.3 | 2828.8 | 2797.4 | 2807.9 | 2821.8 |
| 35°   | 7936.3  | 7892.7  | 7010.1 | 4973.4 | 3556.4 | 2884.5 | 2654.6 | 2583.3 | 2522.4 | 2508.5 | 2518.9 |
| 37.5° | 8468.9  | 8451.5  | 7339.1 | 4863.7 | 3204.8 | 2659.9 | 2447.5 | 2353.5 | 2264.7 | 2216.0 | 2217.8 |
| 40°   | 9053.8  | 9036.4  | 7555.0 | 4694.9 | 2893.2 | 2464.9 | 2261.3 | 2137.6 | 2028.0 | 1939.2 | 1947.9 |
| 42.5° | 9711.8  | 9609.1  | 7657.7 | 4452.9 | 2628.6 | 2299.6 | 2109.9 | 1942.7 | 1798.3 | 1716.4 | 1721.6 |
| 45°   | 10430.7 | 10199.3 | 7655.9 | 4144.8 | 2405.8 | 2148.1 | 1947.9 | 1711.2 | 1577.2 | 1500.6 | 1497.1 |
| 47.5° | 11193.2 | 10763.2 | 7561.9 | 3803.6 | 2189.9 | 1981.0 | 1697.3 | 1516.2 | 1427.4 | 1380.5 | 1370.0 |
| 50°   | 11980.1 | 11290.7 | 7401.8 | 3411.9 | 1968.8 | 1791.3 | 1540.6 | 1417.0 | 1349.1 | 1305.5 | 1290.0 |
| 52.5° | 12719.8 | 11769.5 | 7208.6 | 2968.0 | 1744.2 | 1606.8 | 1471.0 | 1375.2 | 1303.8 | 1255.1 | 1234.2 |
| 55°   | 13407.5 | 12182.0 | 6935.3 | 2513.7 | 1561.5 | 1483.2 | 1437.9 | 1357.8 | 1276.0 | 1218.5 | 1195.9 |
| 57.5° | 14018.5 | 12450.1 | 6463.5 | 2087.2 | 1430.9 | 1397.9 | 1403.0 | 1328.2 | 1234.2 | 1185.5 | 1154.1 |
| 60°   | 14526.8 | 12646.8 | 5765.4 | 1692.1 | 1324.7 | 1314.3 | 1349.1 | 1272.5 | 1162.9 | 1107.1 | 1082.8 |
| 62.5° | 14831.4 | 12643.3 | 4909.0 | 1385.7 | 1234.2 | 1237.7 | 1277.8 | 1202.8 | 1091.4 | 1039.2 | 1023.6 |
| 65°   | 14805.3 | 12333.4 | 3969.0 | 1185.5 | 1147.2 | 1150.7 | 1202.8 | 1126.3 | 1032.3 | 1000.9 | 999.2  |
| 67.5° | 14281.3 | 11577.9 | 3044.7 | 1054.9 | 1051.4 | 1067.1 | 1128.0 | 1074.1 | 995.7  | 992.2  | 997.4  |
| 70°   | 12862.6 | 10009.5 | 2193.4 | 950.5  | 952.2  | 974.9  | 1054.9 | 1041.0 | 976.6  | 983.6  | 981.8  |
| 72.5° | 10314.2 | 7631.5  | 1472.7 | 840.8  | 842.6  | 879.1  | 985.3  | 1014.9 | 957.5  | 1049.7 | 1063.6 |
| 75°   | 6869.1  | 4759.3  | 947.0  | 724.2  | 725.9  | 773.0  | 924.3  | 964.4  | 905.2  | 1046.2 | 1054.9 |
| 77.5° | 3300.5  | 2139.4  | 685.8  | 609.3  | 609.3  | 652.8  | 799.0  | 863.5  | 771.2  | 812.9  | 745.1  |
| 80°   | 1140.2  | 804.2   | 539.7  | 490.9  | 480.4  | 510.0  | 673.7  | 748.6  | 665.0  | 612.7  | 574.4  |
| 82.5° | 449.2   | 417.8   | 433.5  | 381.2  | 346.4  | 365.5  | 524.0  | 618.0  | 489.1  | 442.2  | 440.4  |
| 85°   | 257.7   | 271.5   | 306.4  | 252.5  | 200.2  | 224.6  | 384.7  | 443.9  | 369.0  | 325.5  | 332.5  |
| 87.5° | 69.6    | 95.7    | 141.0  | 130.6  | 90.5   | 95.7   | 182.8  | 245.5  | 212.4  | 163.6  | 168.8  |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)