

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: P954888

Luminaire Tested: **GLAN-SB8A-730-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-730-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

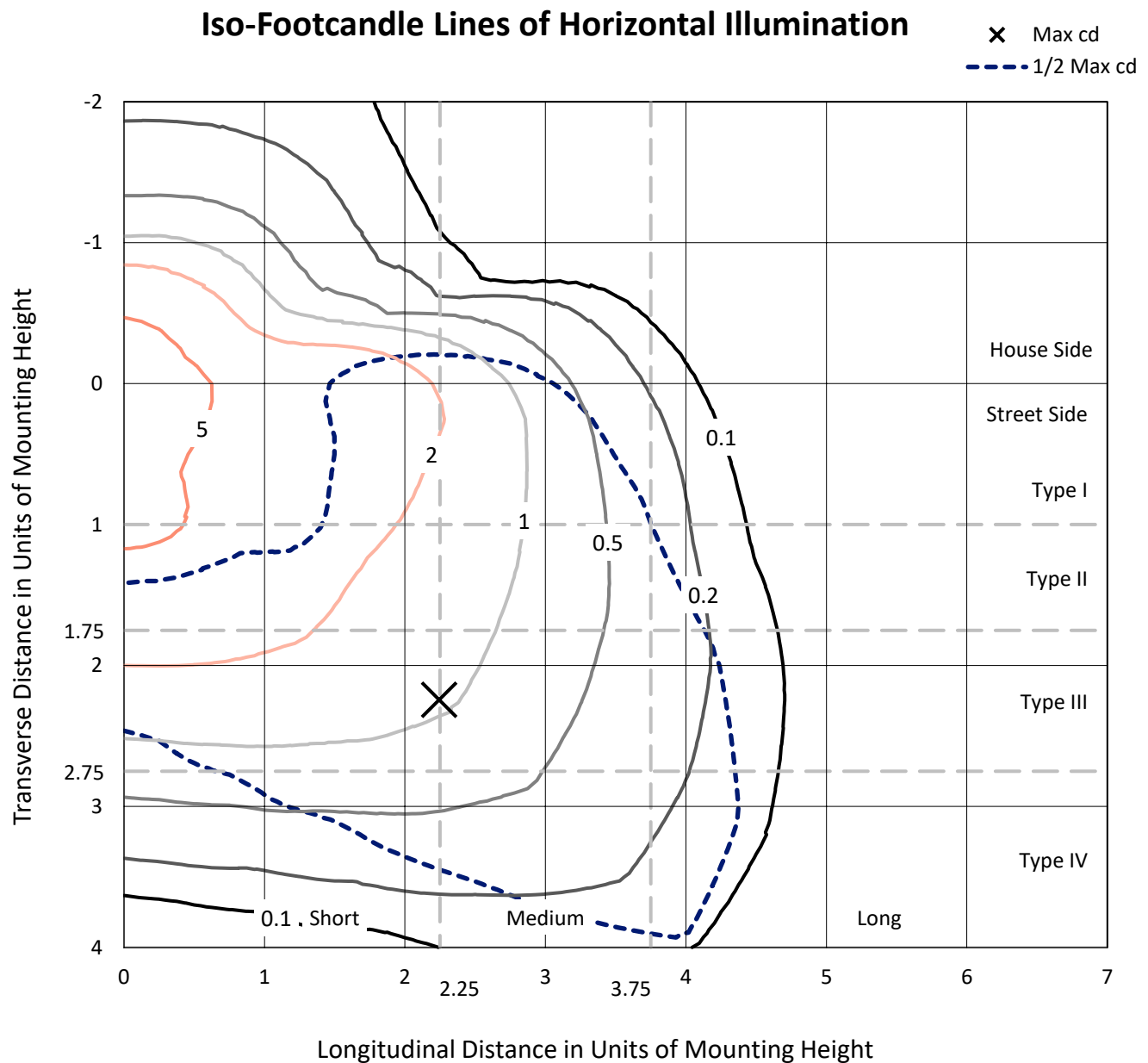
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36202 lumens  
Efficiency: N/A  
Efficacy: 159.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 227.1  
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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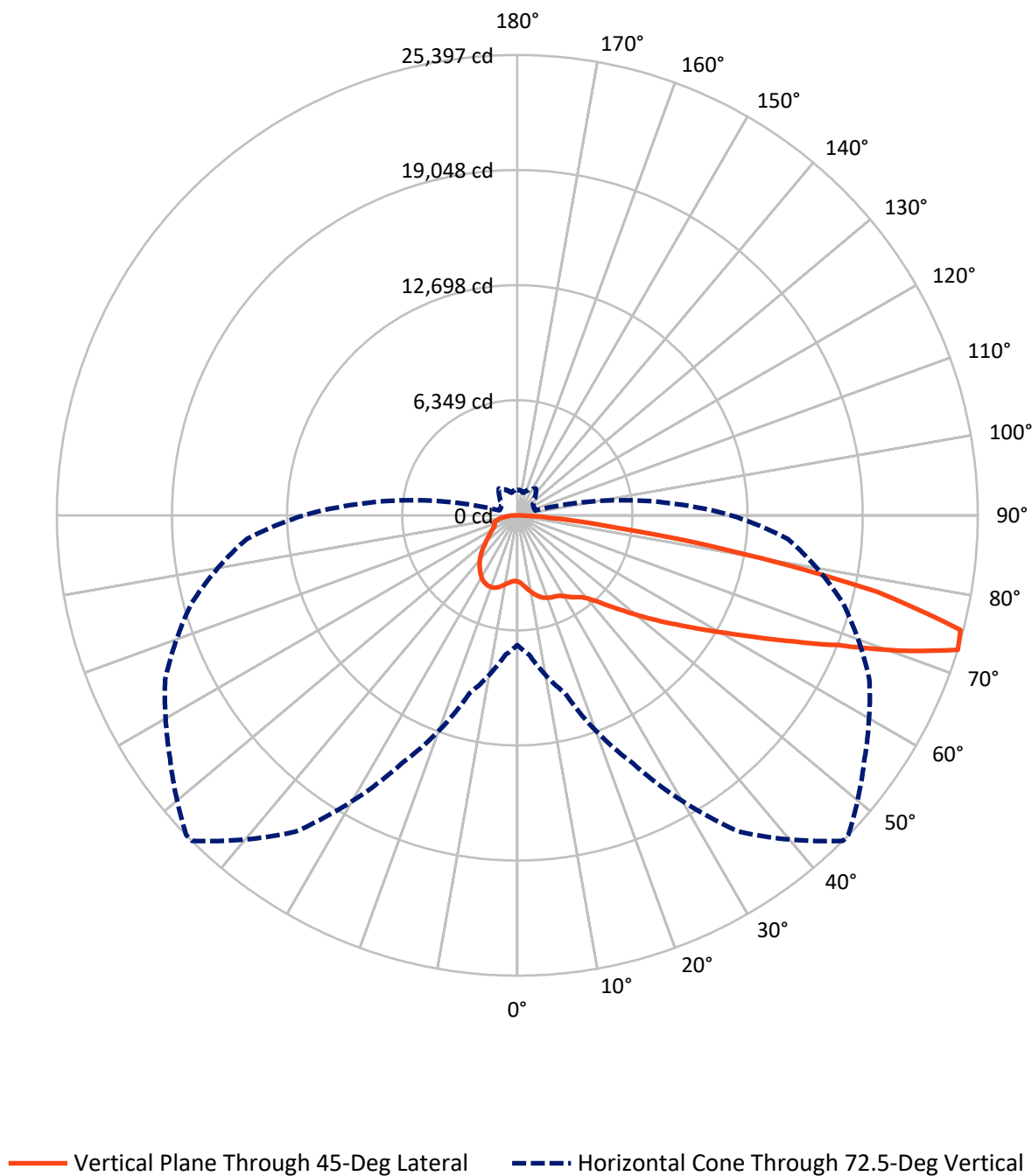


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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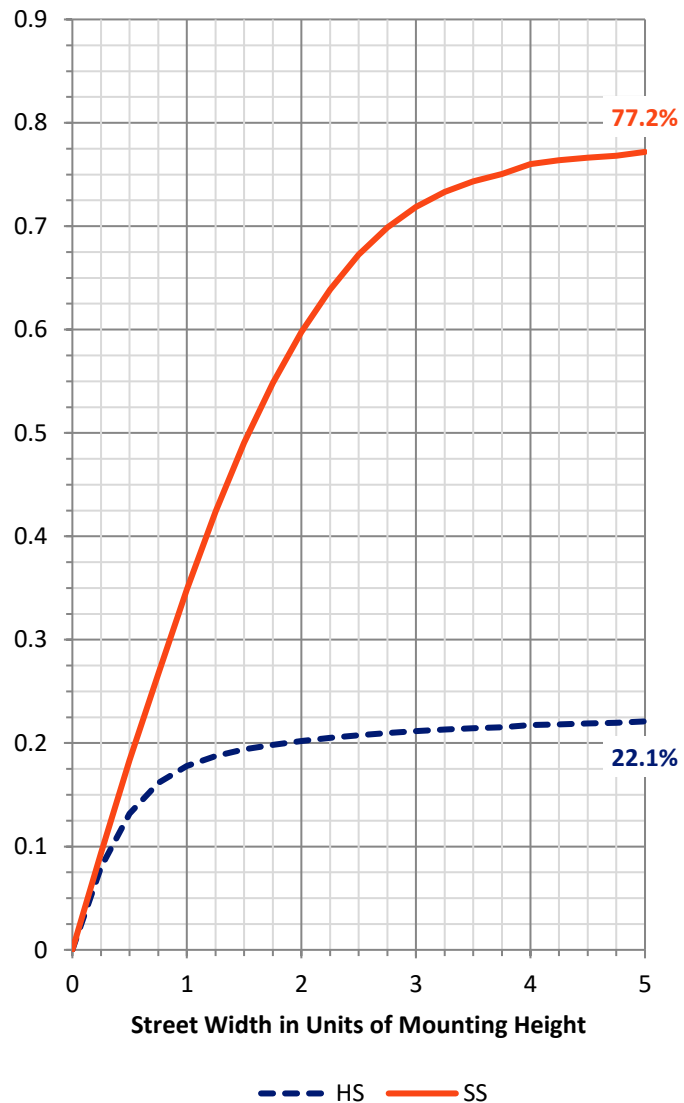
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8184.0   | 0.0    | 8184.0  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 28018.0  | 0.0    | 28018.0 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 36202.0  | 0.0    | 36202.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 371.7   | 1.0       |
| 10°-20°   | 1239.3  | 3.4       |
| 20°-30°   | 2155.9  | 6.0       |
| 30°-40°   | 3090.6  | 8.5       |
| 40°-50°   | 4351.7  | 12.0      |
| 50°-60°   | 6665.5  | 18.4      |
| 60°-70°   | 9656.0  | 26.7      |
| 70°-80°   | 7710.9  | 21.3      |
| 80°-90°   | 960.4   | 2.7       |
| 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°    | 36202.0 | 100.0     |
| 0°-180°   | 36202.0 | 100.0     |

**Coefficient of Utilization**



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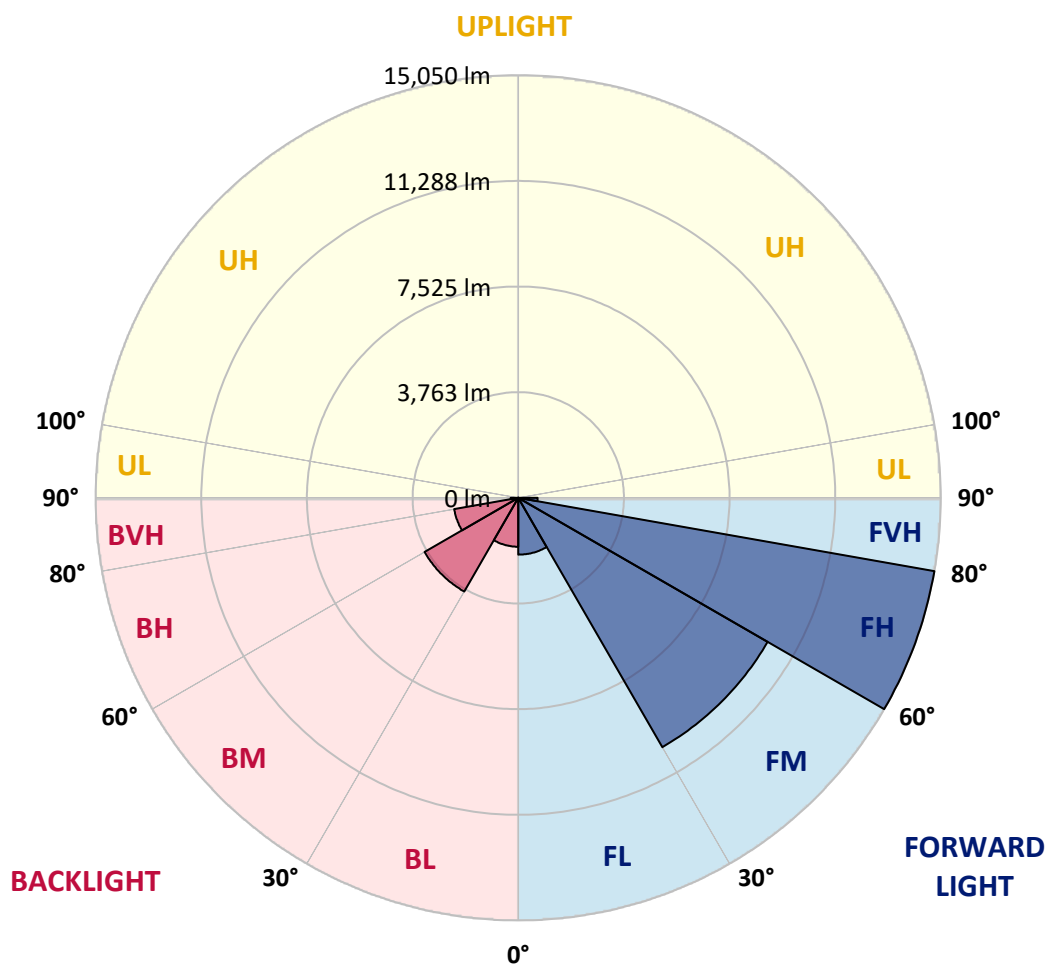
CATALOG NUMBER: GLAN-SB8A-730-U-T4W

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2024.5  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 10254.3 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 15050.2 | 41.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 689.0   | 1.9       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1742.4  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3853.5  | 10.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2316.7  | 6.4       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 271.4   | 0.7       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3652.1  | 3652.1  | 3652.1  | 3652.1  | 3652.1  | 3652.1  | 3652.1  | 3652.1  | 3652.1  | 3652.1  |
| 2.5°  | 3795.1  | 3819.9  | 3797.0  | 3776.0  | 3766.5  | 3741.7  | 3739.8  | 3724.5  | 3715.0  | 3688.3  |
| 5°    | 4060.2  | 4092.6  | 4054.5  | 4012.5  | 3974.4  | 3913.3  | 3905.7  | 3861.9  | 3812.3  | 3755.1  |
| 7.5°  | 4359.6  | 4388.2  | 4344.4  | 4281.4  | 4214.7  | 4113.6  | 4111.7  | 4031.6  | 3953.4  | 3856.1  |
| 10°   | 4620.9  | 4659.0  | 4599.9  | 4514.1  | 4430.2  | 4315.7  | 4302.4  | 4210.9  | 4111.7  | 3985.8  |
| 12.5° | 4851.6  | 4878.3  | 4821.1  | 4716.2  | 4619.0  | 4504.5  | 4487.4  | 4386.3  | 4275.7  | 4132.7  |
| 15°   | 5034.7  | 5069.0  | 4992.8  | 4880.2  | 4777.3  | 4664.7  | 4649.5  | 4557.9  | 4447.3  | 4296.7  |
| 17.5° | 5154.9  | 5183.5  | 5105.3  | 4979.4  | 4880.2  | 4786.8  | 4775.4  | 4699.1  | 4601.8  | 4449.2  |
| 20°   | 5200.6  | 5231.1  | 5149.1  | 5021.4  | 4929.8  | 4857.4  | 4851.6  | 4796.3  | 4729.6  | 4590.4  |
| 22.5° | 5246.4  | 5275.0  | 5168.2  | 5034.7  | 4954.6  | 4908.8  | 4906.9  | 4870.7  | 4844.0  | 4729.6  |
| 25°   | 5431.4  | 5439.0  | 5296.0  | 5103.4  | 4988.9  | 4948.9  | 4947.0  | 4945.1  | 4956.5  | 4866.9  |
| 27.5° | 5591.6  | 5589.7  | 5467.6  | 5286.5  | 5109.1  | 5025.2  | 5023.3  | 5042.3  | 5078.6  | 5004.2  |
| 30°   | 5826.2  | 5805.2  | 5660.2  | 5471.4  | 5309.3  | 5179.7  | 5168.2  | 5151.0  | 5179.7  | 5120.5  |
| 32.5° | 6323.9  | 6257.2  | 6022.6  | 5686.9  | 5475.3  | 5376.1  | 5360.8  | 5254.0  | 5265.5  | 5229.2  |
| 35°   | 7037.2  | 6949.4  | 6636.7  | 6095.1  | 5681.2  | 5540.1  | 5532.5  | 5397.1  | 5374.2  | 5341.8  |
| 37.5° | 7885.8  | 7777.1  | 7412.9  | 6686.3  | 6035.9  | 5730.8  | 5719.4  | 5597.3  | 5503.9  | 5469.5  |
| 40°   | 8738.3  | 8601.0  | 8299.7  | 7407.1  | 6558.5  | 6049.3  | 6013.1  | 5828.1  | 5721.3  | 5664.1  |
| 42.5° | 9566.0  | 9451.5  | 9194.1  | 8215.7  | 7203.1  | 6514.6  | 6434.5  | 6117.9  | 6037.8  | 5984.4  |
| 45°   | 10298.3 | 10195.3 | 10006.5 | 9079.7  | 7958.3  | 7147.8  | 7069.6  | 6552.8  | 6528.0  | 6528.0  |
| 47.5° | 10893.3 | 10870.4 | 10670.2 | 9960.7  | 8848.9  | 7868.7  | 7733.2  | 7157.3  | 7224.1  | 7327.0  |
| 50°   | 11553.2 | 11490.2 | 11276.6 | 10828.5 | 9895.9  | 8694.4  | 8583.8  | 7899.2  | 8149.0  | 8431.2  |
| 52.5° | 12159.6 | 12193.9 | 11955.5 | 11732.4 | 11078.3 | 9615.5  | 9421.0  | 8774.5  | 9314.2  | 9781.5  |
| 55°   | 12783.2 | 12785.1 | 12718.4 | 12687.9 | 12317.9 | 10633.9 | 10420.3 | 9827.2  | 10685.4 | 11265.2 |
| 57.5° | 13368.7 | 13372.5 | 13471.7 | 13740.6 | 13755.8 | 11808.7 | 11566.5 | 11120.2 | 12209.2 | 12800.4 |
| 60°   | 13891.2 | 13917.9 | 14188.7 | 14818.1 | 15020.2 | 13155.1 | 12926.3 | 12647.8 | 13784.4 | 14379.5 |
| 62.5° | 14066.7 | 14164.0 | 14766.6 | 15661.0 | 16269.4 | 14806.6 | 14581.6 | 14415.7 | 15439.8 | 15992.9 |
| 65°   | 13769.2 | 13992.3 | 15157.6 | 16357.1 | 17554.8 | 16769.0 | 16545.9 | 16364.7 | 17160.0 | 17680.6 |
| 67.5° | 13038.8 | 13326.7 | 15134.7 | 17087.5 | 19114.8 | 19130.0 | 18922.1 | 18496.9 | 19004.2 | 19204.4 |
| 70°   | 11114.5 | 11545.5 | 13801.6 | 17360.2 | 20905.5 | 22358.7 | 22158.5 | 21063.8 | 20844.5 | 19875.7 |
| 72.5° | 7161.1  | 7740.9  | 10162.9 | 15115.6 | 21304.1 | 25396.7 | 25385.3 | 23380.9 | 21426.2 | 18571.2 |
| 75°   | 2612.7  | 2967.4  | 4722.0  | 9487.8  | 17882.8 | 25242.2 | 25316.6 | 22984.2 | 19559.1 | 14345.1 |
| 77.5° | 951.6   | 1041.3  | 1540.9  | 3646.4  | 10998.2 | 20253.3 | 20407.8 | 18374.8 | 13921.8 | 7199.3  |
| 80°   | 499.7   | 549.2   | 789.5   | 1415.1  | 4712.4  | 12028.0 | 12270.2 | 10920.0 | 6543.2  | 2168.4  |
| 82.5° | 276.5   | 299.4   | 442.4   | 768.6   | 2122.6  | 5143.4  | 5288.4  | 4313.8  | 2301.9  | 919.2   |
| 85°   | 148.8   | 158.3   | 207.9   | 419.6   | 1037.5  | 1783.1  | 1823.2  | 1289.2  | 917.3   | 539.7   |
| 87.5° | 43.9    | 53.4    | 68.7    | 133.5   | 406.2   | 400.5   | 410.0   | 255.6   | 362.3   | 272.7   |
| 90°   | 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):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3652.1  | 0°    | 3652.1  | 3652.1  | 3652.1 | 3652.1 | 3652.1 | 3652.1 | 3652.1 | 3652.1 | 3652.1 | 3652.1 |
| 3680.7  | 2.5°  | 3669.2  | 3663.5  | 3642.5 | 3633.0 | 3621.6 | 3619.7 | 3629.2 | 3631.1 | 3633.0 | 3634.9 |
| 3722.6  | 5°    | 3703.6  | 3684.5  | 3665.4 | 3654.0 | 3657.8 | 3659.7 | 3678.8 | 3692.1 | 3701.7 | 3709.3 |
| 3800.8  | 7.5°  | 3770.3  | 3755.1  | 3722.6 | 3720.7 | 3726.5 | 3743.6 | 3768.4 | 3798.9 | 3816.1 | 3829.4 |
| 3901.9  | 10°   | 3869.5  | 3840.9  | 3802.7 | 3808.5 | 3819.9 | 3844.7 | 3896.2 | 3921.0 | 3949.6 | 3974.4 |
| 4025.9  | 12.5° | 3970.6  | 3945.8  | 3901.9 | 3905.7 | 3924.8 | 3968.7 | 4018.2 | 4048.8 | 4067.8 | 4086.9 |
| 4159.4  | 15°   | 4102.2  | 4058.3  | 4010.6 | 4010.6 | 4044.9 | 4092.6 | 4115.5 | 4140.3 | 4151.7 | 4172.7 |
| 4302.4  | 17.5° | 4237.6  | 4180.3  | 4117.4 | 4113.6 | 4155.5 | 4178.4 | 4191.8 | 4195.6 | 4199.4 | 4222.3 |
| 4441.6  | 20°   | 4373.0  | 4310.0  | 4220.4 | 4212.8 | 4222.3 | 4218.5 | 4216.6 | 4212.8 | 4218.5 | 4247.1 |
| 4584.6  | 22.5° | 4506.5  | 4434.0  | 4310.0 | 4275.7 | 4249.0 | 4212.8 | 4210.9 | 4208.9 | 4212.8 | 4241.4 |
| 4739.1  | 25°   | 4662.8  | 4575.1  | 4409.2 | 4306.2 | 4216.6 | 4167.0 | 4172.7 | 4174.6 | 4178.4 | 4201.3 |
| 4899.3  | 27.5° | 4832.6  | 4735.3  | 4500.7 | 4296.7 | 4134.6 | 4100.2 | 4090.7 | 4096.4 | 4109.8 | 4146.0 |
| 5059.5  | 30°   | 5002.3  | 4887.9  | 4584.6 | 4258.5 | 4031.6 | 3983.9 | 3953.4 | 3966.7 | 4008.7 | 4044.9 |
| 5198.7  | 32.5° | 5156.8  | 5042.3  | 4651.4 | 4174.6 | 3900.0 | 3825.6 | 3785.6 | 3802.7 | 3844.7 | 3858.0 |
| 5353.2  | 35°   | 5337.9  | 5208.3  | 4680.0 | 4041.1 | 3757.0 | 3642.5 | 3589.1 | 3564.4 | 3585.3 | 3572.0 |
| 5534.4  | 37.5° | 5540.1  | 5404.7  | 4676.2 | 3865.7 | 3589.1 | 3457.6 | 3383.2 | 3289.7 | 3245.9 | 3200.1 |
| 5801.4  | 40°   | 5839.5  | 5645.0  | 4630.4 | 3654.0 | 3381.3 | 3261.1 | 3127.6 | 2969.3 | 2870.2 | 2780.5 |
| 6232.4  | 42.5° | 6247.6  | 5978.7  | 4546.5 | 3421.3 | 3146.7 | 3034.2 | 2853.0 | 2668.0 | 2511.6 | 2362.9 |
| 6886.5  | 45°   | 6856.0  | 6415.5  | 4441.6 | 3173.4 | 2893.1 | 2782.4 | 2586.0 | 2378.1 | 2200.8 | 2010.1 |
| 7815.3  | 47.5° | 7733.2  | 7002.8  | 4342.4 | 2891.1 | 2626.1 | 2525.0 | 2347.6 | 2155.0 | 1945.2 | 1760.2 |
| 9157.8  | 50°   | 8938.5  | 7845.8  | 4250.9 | 2616.5 | 2362.9 | 2286.6 | 2145.5 | 1949.0 | 1737.4 | 1588.6 |
| 10731.2 | 52.5° | 10471.8 | 8991.9  | 4212.8 | 2351.4 | 2116.9 | 2088.3 | 1975.7 | 1792.7 | 1592.4 | 1466.6 |
| 12565.8 | 55°   | 12232.1 | 10363.1 | 4212.8 | 2097.8 | 1901.4 | 1910.9 | 1832.7 | 1663.0 | 1489.4 | 1376.9 |
| 14457.6 | 57.5° | 14028.6 | 11751.5 | 4136.5 | 1863.2 | 1718.3 | 1758.3 | 1708.8 | 1560.0 | 1403.6 | 1287.3 |
| 16446.7 | 60°   | 15683.9 | 12914.8 | 3827.5 | 1649.6 | 1556.2 | 1619.1 | 1586.7 | 1458.9 | 1268.2 | 1171.0 |
| 18109.7 | 62.5° | 16955.9 | 13570.9 | 3232.5 | 1479.9 | 1422.7 | 1495.2 | 1478.0 | 1325.4 | 1243.4 | 1203.4 |
| 19475.2 | 65°   | 17592.9 | 13464.1 | 2471.6 | 1329.2 | 1310.2 | 1422.7 | 1386.5 | 1380.7 | 1315.9 | 1270.1 |
| 19919.6 | 67.5° | 17202.0 | 12544.8 | 1792.7 | 1218.6 | 1245.3 | 1355.9 | 1495.2 | 1518.0 | 1397.9 | 1308.3 |
| 18668.5 | 70°   | 15487.5 | 10881.9 | 1335.0 | 1113.7 | 1163.3 | 1357.8 | 1704.9 | 1588.6 | 1371.2 | 1266.3 |
| 14972.6 | 72.5° | 11782.0 | 8114.7  | 1035.5 | 1003.1 | 1056.5 | 1367.4 | 1798.4 | 1556.2 | 1294.9 | 1399.8 |
| 9327.6  | 75°   | 6737.7  | 4455.0  | 831.5  | 867.7  | 923.0  | 1277.8 | 1750.7 | 1472.3 | 1235.8 | 1285.4 |
| 3695.9  | 77.5° | 2568.9  | 1712.6  | 686.6  | 734.2  | 741.9  | 1115.6 | 1674.4 | 1466.6 | 1176.7 | 1148.1 |
| 1108.0  | 80°   | 890.6   | 669.4   | 568.3  | 583.6  | 574.0  | 991.7  | 1605.8 | 1275.8 | 963.1  | 862.0  |
| 457.7   | 82.5° | 364.3   | 333.7   | 450.1  | 431.0  | 408.1  | 770.5  | 1296.8 | 1043.2 | 787.6  | 696.1  |
| 221.2   | 85°   | 158.3   | 211.7   | 297.5  | 261.3  | 236.5  | 534.0  | 1039.4 | 883.0  | 665.6  | 574.0  |
| 72.5    | 87.5° | 32.4    | 80.1    | 125.9  | 118.2  | 122.1  | 356.6  | 738.0  | 627.4  | 471.1  | 352.8  |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

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| 180°   |
|--------|
| 3652.1 |
| 3642.5 |
| 3713.1 |
| 3833.3 |
| 3968.7 |
| 4094.5 |
| 4180.3 |
| 4229.9 |
| 4258.5 |
| 4260.4 |
| 4231.8 |
| 4182.2 |
| 4085.0 |
| 3905.7 |
| 3613.9 |
| 3228.7 |
| 2786.3 |
| 2349.5 |
| 1987.2 |
| 1739.3 |
| 1579.1 |
| 1457.0 |
| 1365.5 |
| 1268.2 |
| 1155.7 |
| 1190.0 |
| 1254.9 |
| 1293.0 |
| 1249.1 |
| 1388.4 |
| 1285.4 |
| 1047.0 |
| 833.4  |
| 688.5  |
| 572.1  |
| 276.5  |
| 0.0    |