

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: P232910

Luminaire Tested: **UFLD-L-C175-X-U-66-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-3)
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-C175-X-U-66-7030
Description: LED FLOOD LIGHT LUMINAIRE
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47255.6 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: (L: 0 ' x W: 1 ' x H: 1.04 '
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 370.6
Input Voltage (V): NR
Input Current (A_{in}): 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: 28.75 FT

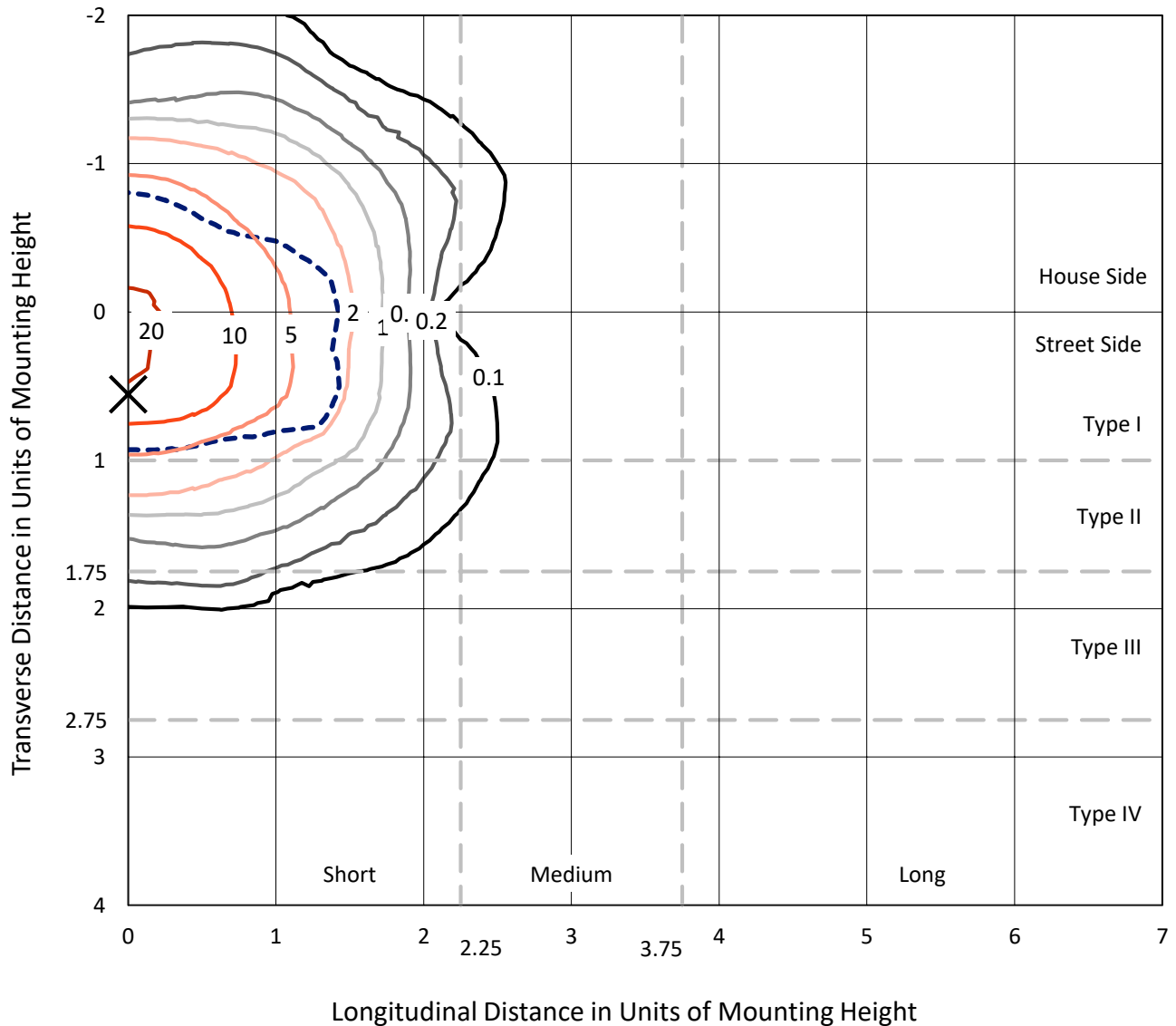


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

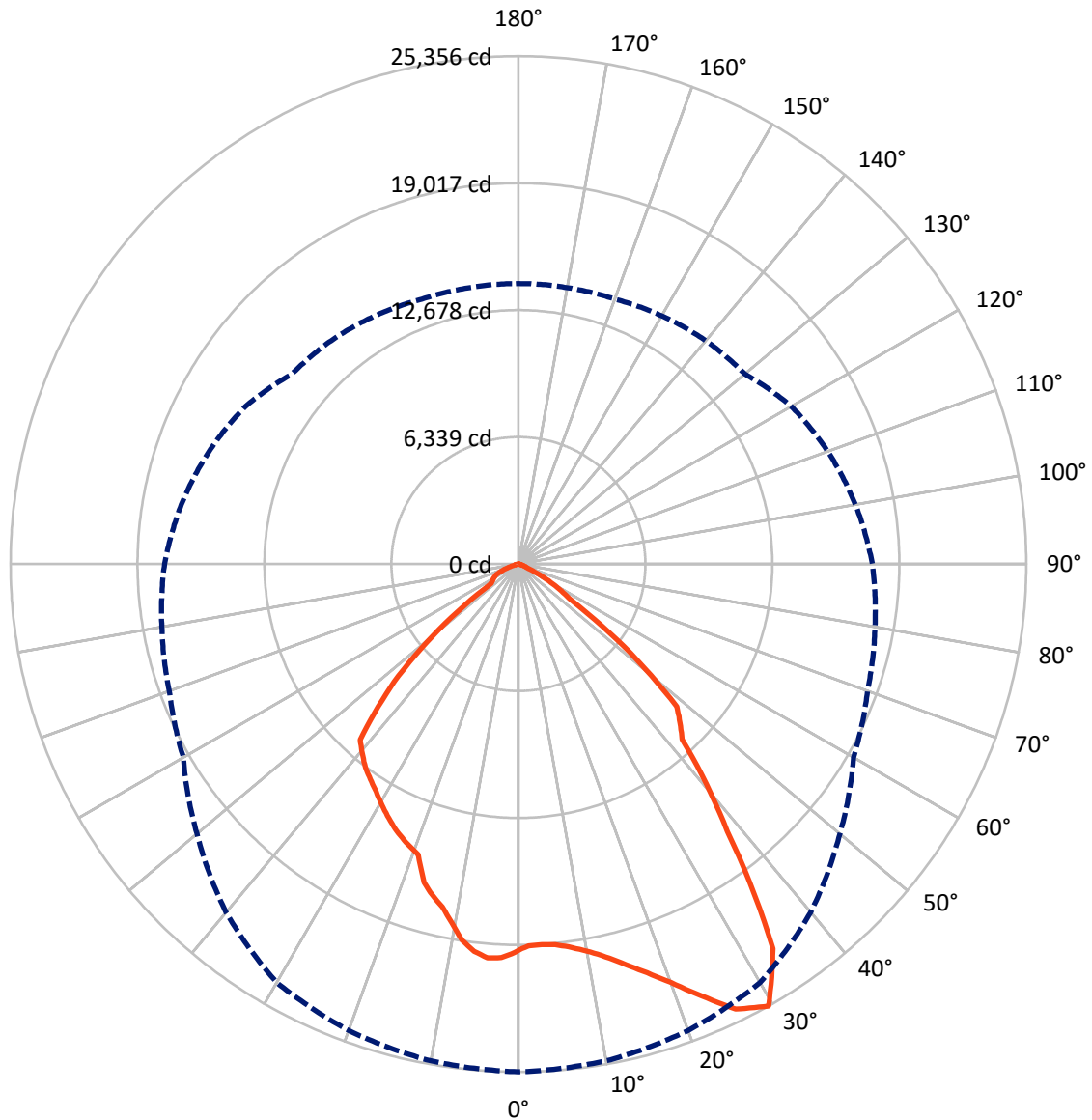


Based on 30 foot mounting height. Maximum calculated value = 21.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 29-Deg Vertical

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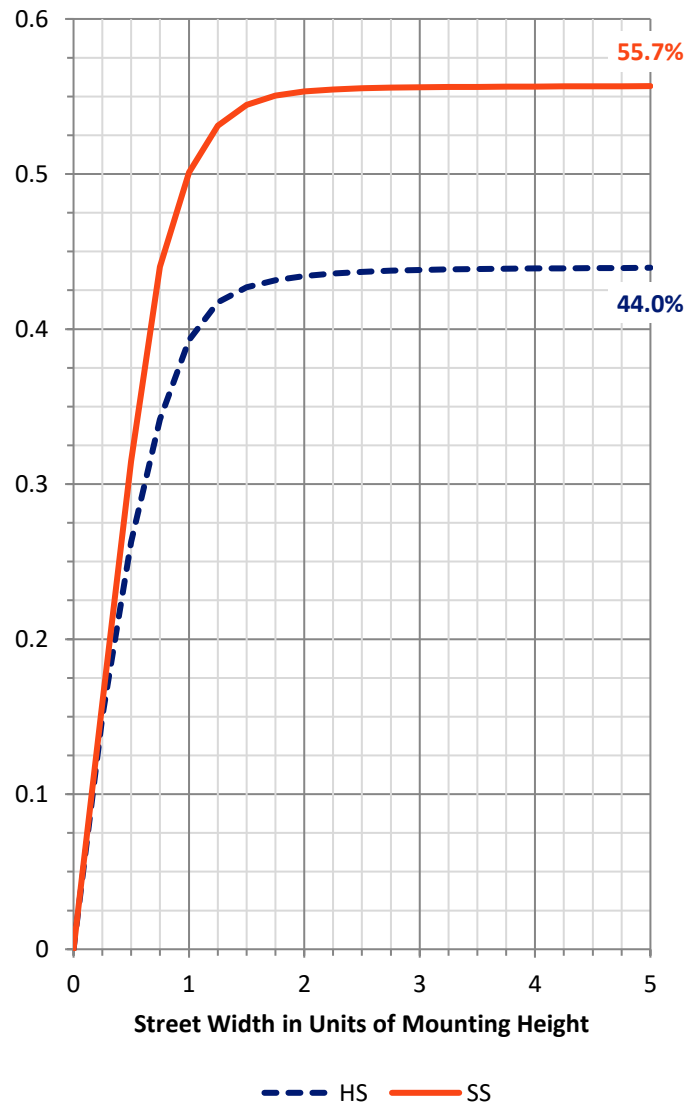
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 20953.9 | 0.0 | 20953.9 |
| | % Fixture | 44.3 | 0.0 | 44.3 |
| Street Side | Lumens | 26301.8 | 0.0 | 26301.8 |
| | % Fixture | 55.7 | 0.0 | 55.7 |
| Total | Lumens | 47255.6 | 0.0 | 47255.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1843.7 | 3.9 |
| 10°-20° | 5360.5 | 11.3 |
| 20°-30° | 8605.3 | 18.2 |
| 30°-40° | 10623.8 | 22.5 |
| 40°-50° | 10412.6 | 22.0 |
| 50°-60° | 7292.4 | 15.4 |
| 60°-70° | 3053.4 | 6.5 |
| 70°-80° | 646.3 | 1.4 |
| 80°-90° | 86.7 | 0.2 |
| 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° | 47255.6 | 100.0 |
| 0°-180° | 47255.6 | 100.0 |



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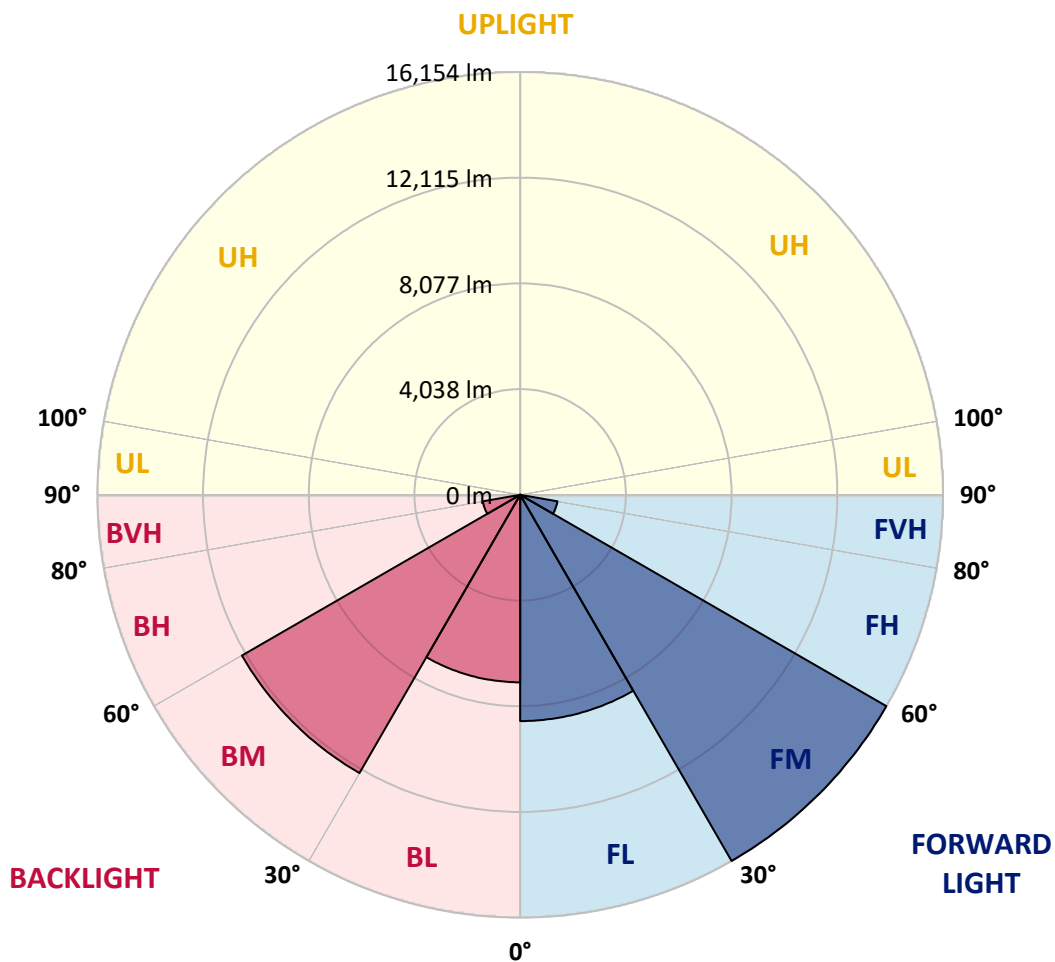
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 8642.9 | 18.3 | | | |
| FM | (30°-60°) | 16153.8 | 34.2 | | | |
| FH | (60°-80°) | 1446.3 | 3.1 | | | G1/1800 |
| FVH | (80°-90°) | 37.0 | 0.1 | | | G1/100 |
| BL | (0°-30°) | 7163.7 | 15.2 | B5 | | |
| BM | (30°-60°) | 12276.3 | 26.0 | B5 | | |
| BH | (60°-80°) | 1450.2 | 3.1 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 45.9 | 0.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 |
| 1° | 19076.8 | 19083.7 | 19094.5 | 19108.9 | 19126.6 | 19147.1 | 19169.8 | 19193.9 | 19218.7 | 19243.2 | 19269.8 |
| 3° | 19034.0 | 19035.3 | 19040.9 | 19057.2 | 19075.9 | 19096.4 | 19118.1 | 19140.3 | 19207.0 | 19276.3 | 19360.7 |
| 5° | 19093.3 | 19080.5 | 19080.5 | 19082.1 | 19080.4 | 19069.6 | 19087.6 | 19126.4 | 19183.5 | 19318.1 | 19435.2 |
| 7° | 19270.4 | 19236.4 | 19212.6 | 19172.3 | 19121.4 | 19085.6 | 19073.7 | 19116.4 | 19205.7 | 19377.5 | 19514.6 |
| 9° | 19546.8 | 19502.0 | 19447.7 | 19335.0 | 19196.7 | 19112.1 | 19063.4 | 19082.3 | 19191.0 | 19364.8 | 19501.9 |
| 11° | 19870.8 | 19829.0 | 19739.3 | 19563.6 | 19353.3 | 19164.8 | 19065.3 | 19063.3 | 19173.0 | 19347.3 | 19426.2 |
| 13° | 20312.6 | 20263.0 | 20108.7 | 19826.4 | 19548.3 | 19282.7 | 19081.0 | 19044.6 | 19172.8 | 19325.9 | 19326.1 |
| 15° | 20833.2 | 20768.3 | 20551.0 | 20172.5 | 19783.1 | 19411.1 | 19126.7 | 19047.6 | 19218.0 | 19286.0 | 19180.4 |
| 17° | 21397.6 | 21338.8 | 21040.2 | 20592.6 | 20062.7 | 19545.7 | 19186.1 | 19064.1 | 19227.5 | 19203.3 | 18976.9 |
| 19.5° | 22218.9 | 22118.8 | 21732.0 | 21154.2 | 20452.0 | 19766.7 | 19252.0 | 19041.8 | 19340.9 | 19535.1 | 18887.9 |
| 22.5° | 23418.8 | 23201.9 | 22709.8 | 21955.2 | 21022.5 | 20119.7 | 19316.7 | 18933.3 | 18992.6 | 19009.6 | 18318.1 |
| 25.5° | 24722.7 | 24417.8 | 23831.6 | 22907.3 | 21818.1 | 20599.7 | 19318.0 | 18712.4 | 18564.6 | 18283.7 | 17717.5 |
| 29° | 25356.2 | 25191.3 | 24786.3 | 24130.5 | 22704.3 | 20951.3 | 19315.8 | 18545.3 | 18075.3 | 17668.7 | 17087.6 |
| 33° | 23028.6 | 23202.7 | 23753.3 | 24577.1 | 23401.2 | 21201.7 | 19312.6 | 18399.3 | 17436.6 | 16549.6 | 16098.5 |
| 37.5° | 16937.9 | 17381.4 | 18965.7 | 21366.4 | 22483.8 | 21531.7 | 19461.3 | 18348.1 | 16855.2 | 15906.4 | 15196.9 |
| 42.5° | 11981.9 | 12400.4 | 13464.3 | 15140.6 | 17834.1 | 20232.1 | 19837.0 | 18387.8 | 16283.2 | 15543.4 | 14723.8 |
| 47.5° | 10643.8 | 10597.9 | 10706.0 | 10896.6 | 12362.1 | 16115.1 | 19504.6 | 18075.2 | 15272.4 | 14733.8 | 14292.0 |
| 55° | 3188.9 | 3795.2 | 5067.7 | 6261.8 | 8030.5 | 9153.1 | 14209.3 | 14182.9 | 12266.0 | 12905.3 | 12135.1 |
| 65° | 528.4 | 548.3 | 1103.2 | 1109.3 | 1641.7 | 2626.4 | 3233.1 | 3500.0 | 2346.9 | 714.3 | 2376.2 |
| 75° | 78.8 | 94.1 | 138.0 | 111.2 | 135.3 | 113.1 | 185.8 | 236.2 | 258.4 | 402.9 | 388.2 |
| 85° | 39.9 | 68.2 | 72.6 | 63.0 | 71.4 | 69.0 | 79.2 | 89.1 | 94.2 | 100.2 | 98.9 |
| 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):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° | 190° | 200° | 210° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 |
| 1° | 19294.8 | 19318.0 | 19338.8 | 19356.8 | 19371.4 | 19382.1 | 19388.2 | 19389.2 | 19388.2 | 19382.1 | 19371.4 |
| 3° | 19439.3 | 19493.3 | 19543.1 | 19587.7 | 19625.7 | 19655.6 | 19670.9 | 19673.3 | 19670.9 | 19655.6 | 19625.7 |
| 5° | 19527.5 | 19613.4 | 19670.7 | 19677.0 | 19684.7 | 19693.2 | 19703.9 | 19720.0 | 19703.9 | 19693.2 | 19684.7 |
| 7° | 19613.0 | 19649.6 | 19639.1 | 19598.6 | 19520.3 | 19468.9 | 19442.2 | 19460.2 | 19442.2 | 19468.9 | 19520.3 |
| 9° | 19591.6 | 19544.7 | 19424.3 | 19298.6 | 19151.5 | 19033.0 | 18967.5 | 18998.0 | 18967.5 | 19033.0 | 19151.5 |
| 11° | 19412.5 | 19270.9 | 19034.2 | 18795.7 | 18586.4 | 18354.7 | 18221.2 | 18220.4 | 18221.2 | 18354.7 | 18586.4 |
| 13° | 19197.7 | 18878.1 | 18515.7 | 18181.4 | 17898.4 | 17698.1 | 17549.2 | 17530.5 | 17549.2 | 17698.1 | 17898.4 |
| 15° | 18905.1 | 18456.7 | 18032.0 | 17664.3 | 17375.4 | 17216.5 | 17111.7 | 17096.5 | 17111.7 | 17216.5 | 17375.4 |
| 17° | 18523.8 | 18047.2 | 17626.3 | 17294.8 | 17046.5 | 16773.3 | 16600.9 | 16586.6 | 16600.9 | 16773.3 | 17046.5 |
| 19.5° | 18123.0 | 17660.6 | 17248.5 | 16898.1 | 16485.7 | 15841.8 | 15459.3 | 15347.8 | 15459.3 | 15841.8 | 16485.7 |
| 22.5° | 17729.1 | 17276.3 | 16789.1 | 16145.3 | 15301.2 | 15094.6 | 15005.7 | 14984.9 | 15005.7 | 15094.6 | 15301.2 |
| 25.5° | 17225.5 | 16678.9 | 16141.9 | 15187.2 | 14905.4 | 14692.3 | 14597.0 | 14580.1 | 14597.0 | 14692.3 | 14905.4 |
| 29° | 16436.6 | 15733.7 | 14755.0 | 14552.3 | 14306.5 | 14072.9 | 14008.6 | 14003.0 | 14008.6 | 14072.9 | 14306.5 |
| 33° | 15426.4 | 14562.0 | 13808.9 | 13705.5 | 13453.0 | 13341.3 | 13322.4 | 13322.8 | 13322.4 | 13341.3 | 13453.0 |
| 37.5° | 14447.3 | 13543.6 | 13002.8 | 12708.2 | 12605.2 | 12637.2 | 12656.7 | 12700.0 | 12656.7 | 12637.2 | 12605.2 |
| 42.5° | 13638.7 | 12789.3 | 12078.0 | 11754.3 | 11767.9 | 11703.7 | 11712.0 | 11803.8 | 11712.0 | 11703.7 | 11767.9 |
| 47.5° | 13044.7 | 12149.5 | 11074.7 | 10777.7 | 10341.8 | 9142.6 | 8345.8 | 8180.9 | 8345.8 | 9142.6 | 10341.8 |
| 55° | 11154.9 | 11024.4 | 9254.2 | 7105.9 | 4929.0 | 3227.3 | 2221.1 | 1673.7 | 2221.1 | 3227.3 | 4929.0 |
| 65° | 3726.5 | 2838.5 | 1741.6 | 1342.6 | 1560.2 | 1351.6 | 1224.4 | 1215.4 | 1224.4 | 1351.6 | 1560.2 |
| 75° | 497.5 | 330.7 | 344.7 | 260.4 | 331.8 | 285.8 | 176.9 | 157.6 | 176.9 | 285.8 | 331.8 |
| 85° | 77.5 | 74.0 | 75.0 | 66.3 | 60.3 | 65.6 | 45.2 | 43.8 | 45.2 | 65.6 | 60.3 |
| 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):

| | 220° | 230° | 240° | 250° | 260° | 270° | 280° | 290° | 300° | 310° | 320° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 | 19207.2 |
| 1° | 19356.8 | 19338.8 | 19318.0 | 19294.8 | 19269.8 | 19243.2 | 19218.7 | 19193.9 | 19169.8 | 19147.1 | 19126.6 |
| 3° | 19587.7 | 19543.1 | 19493.3 | 19439.3 | 19360.7 | 19276.3 | 19207.0 | 19140.3 | 19118.1 | 19096.4 | 19075.9 |
| 5° | 19677.0 | 19670.7 | 19613.4 | 19527.5 | 19435.2 | 19318.1 | 19183.5 | 19126.4 | 19087.6 | 19069.6 | 19080.4 |
| 7° | 19598.6 | 19639.1 | 19649.6 | 19613.0 | 19514.6 | 19377.5 | 19205.7 | 19116.4 | 19073.7 | 19085.6 | 19121.4 |
| 9° | 19298.6 | 19424.3 | 19544.7 | 19591.6 | 19501.9 | 19364.8 | 19191.0 | 19082.3 | 19063.4 | 19112.1 | 19196.7 |
| 11° | 18795.7 | 19034.2 | 19270.9 | 19412.5 | 19426.2 | 19347.3 | 19173.0 | 19063.3 | 19065.3 | 19164.8 | 19353.3 |
| 13° | 18181.4 | 18515.7 | 18878.1 | 19197.7 | 19326.1 | 19325.9 | 19172.8 | 19044.6 | 19081.0 | 19282.7 | 19548.3 |
| 15° | 17664.3 | 18032.0 | 18456.7 | 18905.1 | 19180.4 | 19286.0 | 19218.0 | 19047.6 | 19126.7 | 19411.1 | 19783.1 |
| 17° | 17294.8 | 17626.3 | 18047.2 | 18523.8 | 18976.9 | 19203.3 | 19227.5 | 19064.1 | 19186.1 | 19545.7 | 20062.7 |
| 19.5° | 16898.1 | 17248.5 | 17660.6 | 18123.0 | 18887.9 | 19535.1 | 19340.9 | 19041.8 | 19252.0 | 19766.7 | 20452.0 |
| 22.5° | 16145.3 | 16789.1 | 17276.3 | 17729.1 | 18318.1 | 19009.6 | 18992.6 | 18933.3 | 19316.7 | 20119.7 | 21022.5 |
| 25.5° | 15187.2 | 16141.9 | 16678.9 | 17225.5 | 17717.5 | 18283.7 | 18564.6 | 18712.4 | 19318.0 | 20599.7 | 21818.1 |
| 29° | 14552.3 | 14755.0 | 15733.7 | 16436.6 | 17087.6 | 17668.7 | 18075.3 | 18545.3 | 19315.8 | 20951.3 | 22704.3 |
| 33° | 13705.5 | 13808.9 | 14562.0 | 15426.4 | 16098.5 | 16549.6 | 17436.6 | 18399.3 | 19312.6 | 21201.7 | 23401.2 |
| 37.5° | 12708.2 | 13002.8 | 13543.6 | 14447.3 | 15196.9 | 15906.4 | 16855.2 | 18348.1 | 19461.3 | 21531.7 | 22483.8 |
| 42.5° | 11754.3 | 12078.0 | 12789.3 | 13638.7 | 14723.8 | 15543.4 | 16283.2 | 18387.8 | 19837.0 | 20232.1 | 17834.1 |
| 47.5° | 10777.7 | 11074.7 | 12149.5 | 13044.7 | 14292.0 | 14733.8 | 15272.4 | 18075.2 | 19504.6 | 16115.1 | 12362.1 |
| 55° | 7105.9 | 9254.2 | 11024.4 | 11154.9 | 12135.1 | 12905.3 | 12266.0 | 14182.9 | 14209.3 | 9153.1 | 8030.5 |
| 65° | 1342.6 | 1741.6 | 2838.5 | 3726.5 | 2376.2 | 714.3 | 2346.9 | 3500.0 | 3233.1 | 2626.4 | 1641.7 |
| 75° | 260.4 | 344.7 | 330.7 | 497.5 | 388.2 | 402.9 | 258.4 | 236.2 | 185.8 | 113.1 | 135.3 |
| 85° | 66.3 | 75.0 | 74.0 | 77.5 | 98.9 | 100.2 | 94.2 | 89.1 | 79.2 | 69.0 | 71.4 |
| 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):

| | 330° | 340° | 350° | 360° |
|-------|---------|---------|---------|---------|
| 0° | 19207.2 | 19207.2 | 19207.2 | 19207.2 |
| 1° | 19108.9 | 19094.5 | 19083.7 | 19076.8 |
| 3° | 19057.2 | 19040.9 | 19035.3 | 19034.0 |
| 5° | 19082.1 | 19080.5 | 19080.5 | 19093.3 |
| 7° | 19172.3 | 19212.6 | 19236.4 | 19270.4 |
| 9° | 19335.0 | 19447.7 | 19502.0 | 19546.8 |
| 11° | 19563.6 | 19739.3 | 19829.0 | 19870.8 |
| 13° | 19826.4 | 20108.7 | 20263.0 | 20312.6 |
| 15° | 20172.5 | 20551.0 | 20768.3 | 20833.2 |
| 17° | 20592.6 | 21040.2 | 21338.8 | 21397.6 |
| 19.5° | 21154.2 | 21732.0 | 22118.8 | 22218.9 |
| 22.5° | 21955.2 | 22709.8 | 23201.9 | 23418.8 |
| 25.5° | 22907.3 | 23831.6 | 24417.8 | 24722.7 |
| 29° | 24130.5 | 24786.3 | 25191.3 | 25356.2 |
| 33° | 24577.1 | 23753.3 | 23202.7 | 23028.6 |
| 37.5° | 21366.4 | 18965.7 | 17381.4 | 16937.9 |
| 42.5° | 15140.6 | 13464.3 | 12400.4 | 11981.9 |
| 47.5° | 10896.6 | 10706.0 | 10597.9 | 10643.8 |
| 55° | 6261.8 | 5067.7 | 3795.2 | 3188.9 |
| 65° | 1109.3 | 1103.2 | 548.3 | 528.4 |
| 75° | 111.2 | 138.0 | 94.1 | 78.8 |
| 85° | 63.0 | 72.6 | 68.2 | 39.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)