

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: McGRAW-EDISON

Report Number: P227775

Luminaire Tested: **ISC-AF-1200-LED-E1-T3-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29759)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISC-AF-1200-LED-E1-T3-7060
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE III
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6577 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Semi-Cutoff
BUG Rating: B1 - U0 - G2

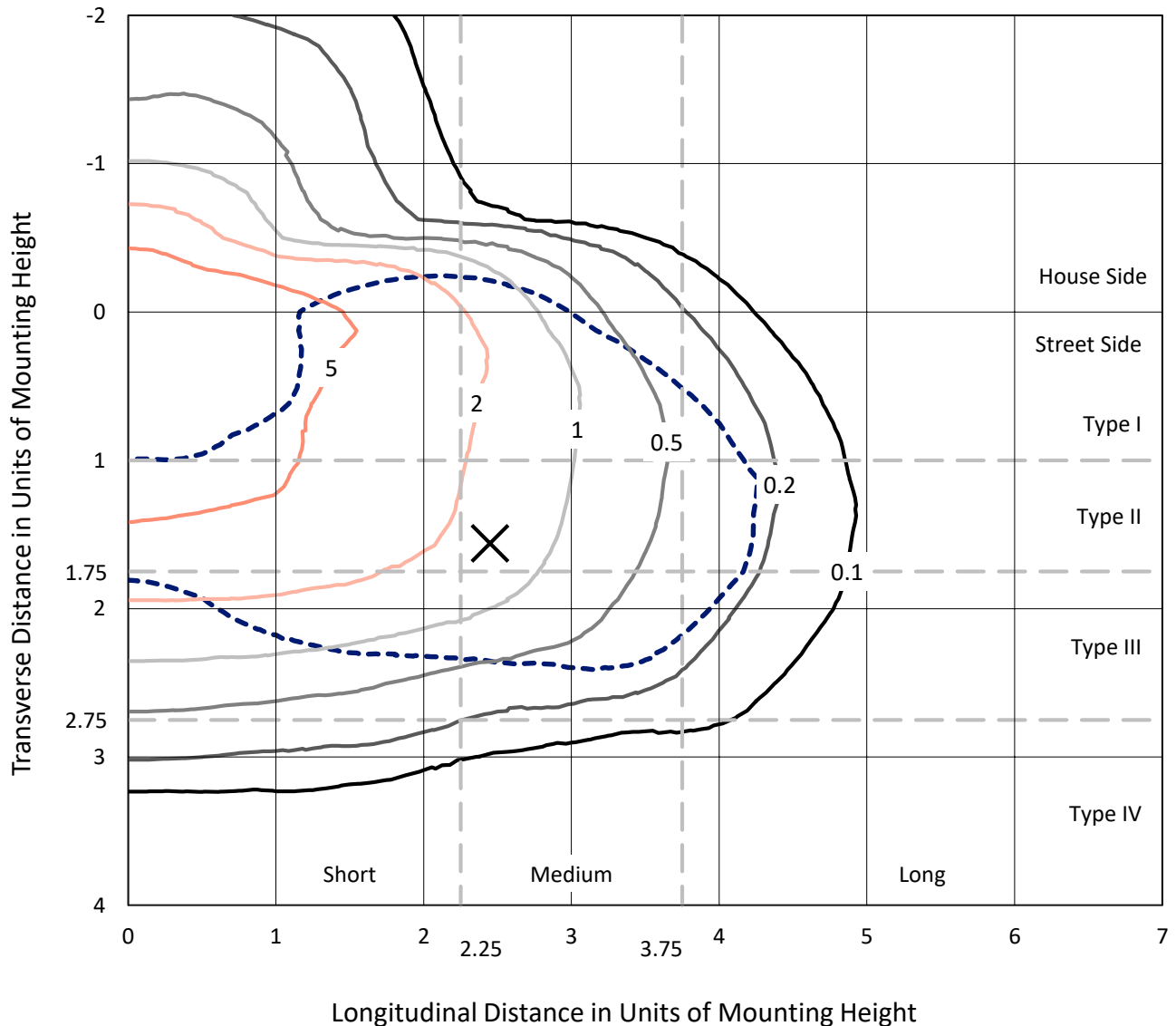
Input Watts (W): 66
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P227775
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Iso-Footcandle Lines of Horizontal Illumination

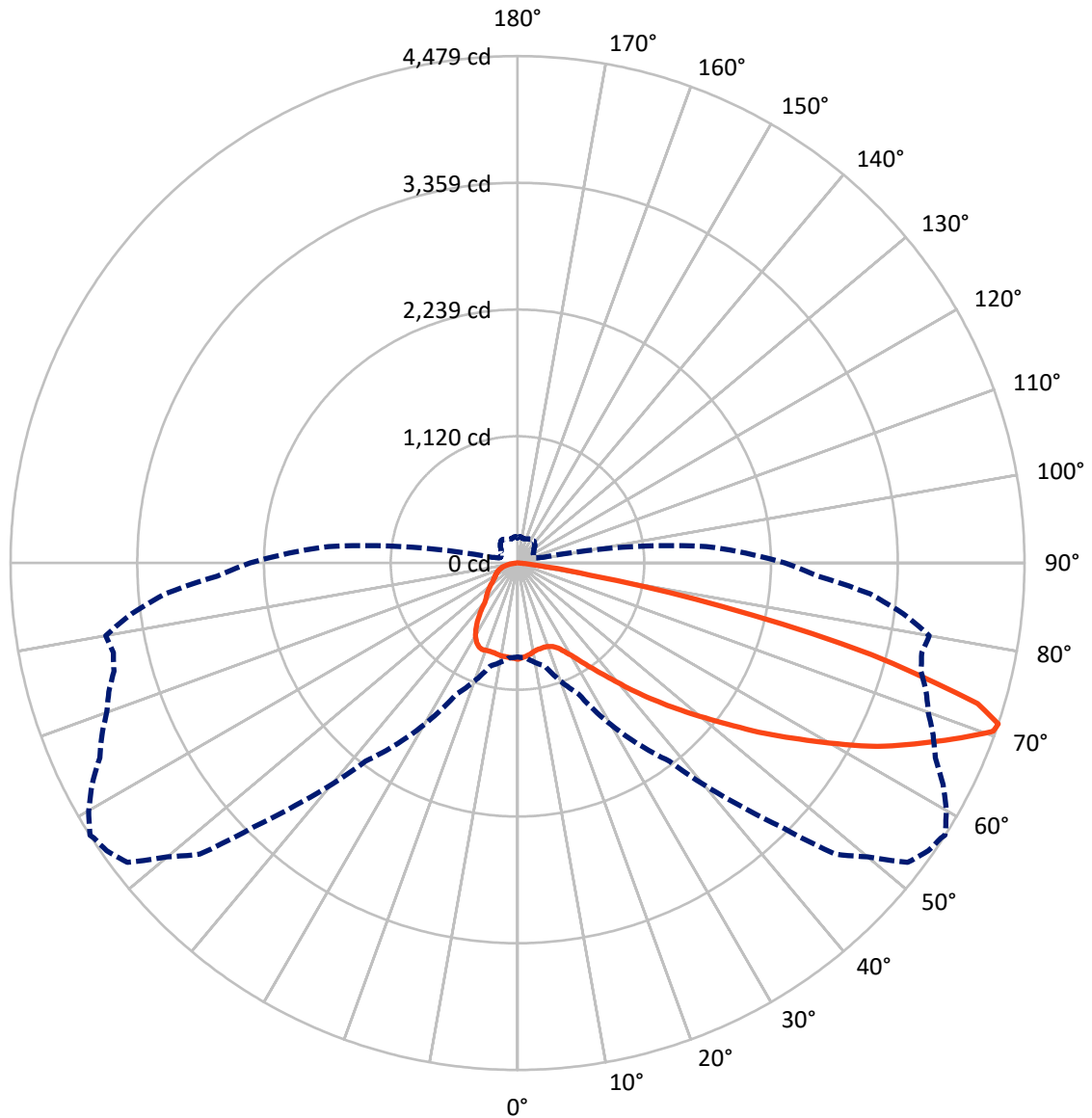
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Medium - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1431.8 | 0.0 | 1431.8 |
| | % Fixture | 21.8 | 0.0 | 21.8 |
| Street Side | Lumens | 5145.2 | 0.0 | 5145.2 |
| | % Fixture | 78.2 | 0.0 | 78.2 |
| Total | Lumens | 6577.0 | 0.0 | 6577.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.0 | 1.2 |
| 10°-20° | 230.4 | 3.5 |
| 20°-30° | 382.5 | 5.8 |
| 30°-40° | 608.9 | 9.3 |
| 40°-50° | 989.2 | 15.0 |
| 50°-60° | 1483.2 | 22.6 |
| 60°-70° | 1769.4 | 26.9 |
| 70°-80° | 955.6 | 14.5 |
| 80°-90° | 77.8 | 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° | 6577.0 | 100.0 |
| 0°-180° | 6577.0 | 100.0 |



REPORT NUMBER: P227775

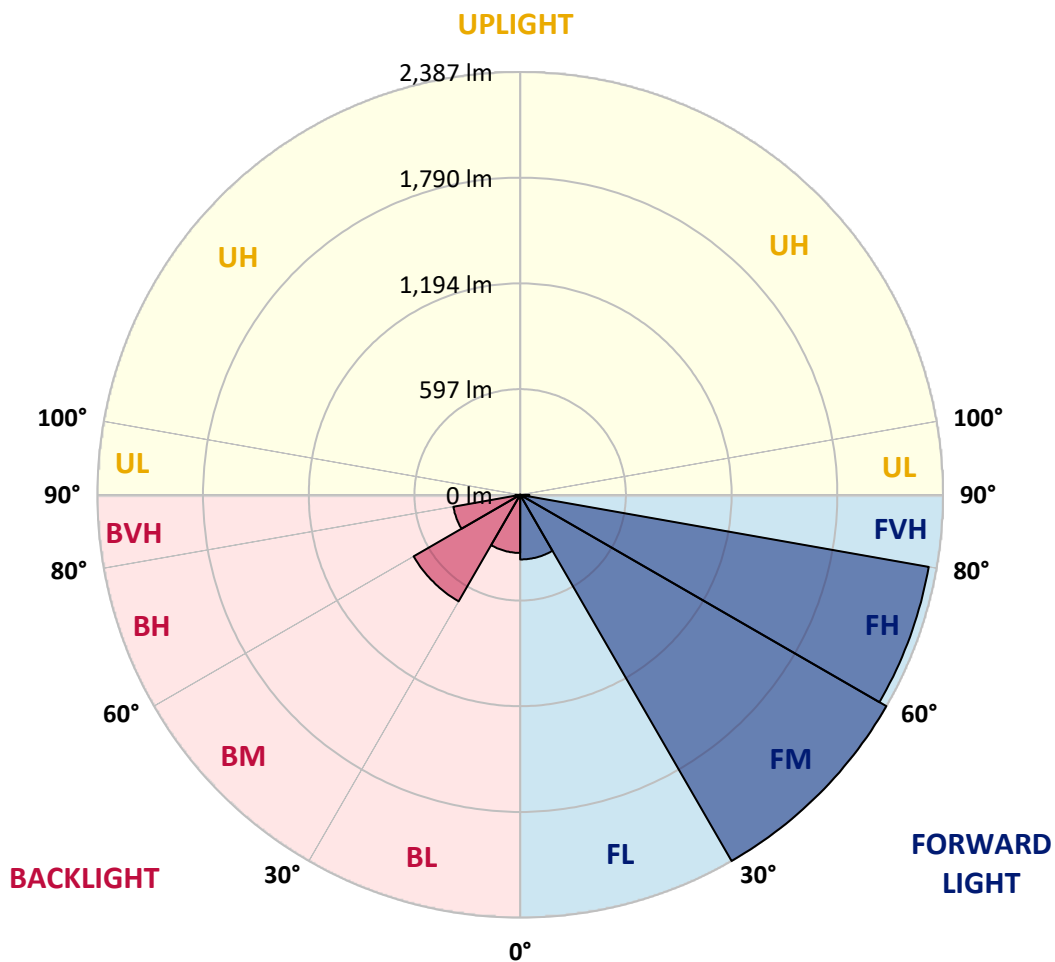
CATALOG NUMBER: ISC-AF-1200-LED-E1-T3-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 364.9 | 5.5 | | | |
| FM | (30°-60°) | 2387.0 | 36.3 | | | |
| FH | (60°-80°) | 2342.0 | 35.6 | | | G2/5000 |
| FVH | (80°-90°) | 51.2 | 0.8 | | | G1/100 |
| BL | (0°-30°) | 328.0 | 5.0 | B1/500 | | |
| BM | (30°-60°) | 694.3 | 10.6 | B1/1000 | | |
| BH | (60°-80°) | 383.0 | 5.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 26.5 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Medium





REPORT NUMBER: P227775

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 |
| 2.5° | 849.6 | 847.5 | 845.3 | 845.3 | 845.3 | 843.1 | 836.6 | 838.8 | 845.3 | 841.0 | 847.5 |
| 5° | 847.5 | 843.1 | 841.0 | 841.0 | 841.0 | 834.4 | 832.3 | 830.1 | 843.1 | 832.3 | 841.0 |
| 7.5° | 823.6 | 823.6 | 819.2 | 823.6 | 827.9 | 821.4 | 817.1 | 819.2 | 830.1 | 819.2 | 830.1 |
| 10° | 806.2 | 801.8 | 799.7 | 799.7 | 804.0 | 795.3 | 791.0 | 795.3 | 808.4 | 795.3 | 810.5 |
| 12.5° | 799.7 | 801.8 | 795.3 | 795.3 | 793.2 | 782.3 | 782.3 | 782.3 | 793.2 | 782.3 | 795.3 |
| 15° | 810.5 | 808.4 | 801.8 | 797.5 | 791.0 | 782.3 | 780.1 | 782.3 | 791.0 | 777.9 | 793.2 |
| 17.5° | 825.7 | 825.7 | 814.9 | 804.0 | 797.5 | 788.8 | 788.8 | 784.5 | 791.0 | 782.3 | 793.2 |
| 20° | 864.9 | 858.3 | 843.1 | 825.7 | 808.4 | 804.0 | 795.3 | 795.3 | 799.7 | 791.0 | 797.5 |
| 22.5° | 932.2 | 925.7 | 899.6 | 867.0 | 838.8 | 827.9 | 823.6 | 821.4 | 817.1 | 812.7 | 812.7 |
| 25° | 1021.3 | 1010.5 | 980.0 | 940.9 | 893.1 | 884.4 | 875.7 | 869.2 | 854.0 | 854.0 | 843.1 |
| 27.5° | 1116.9 | 1106.1 | 1073.5 | 1030.0 | 971.3 | 958.3 | 947.4 | 938.7 | 912.7 | 912.7 | 893.1 |
| 30° | 1225.6 | 1212.5 | 1173.4 | 1125.6 | 1058.3 | 1053.9 | 1038.7 | 1025.7 | 990.9 | 988.7 | 962.6 |
| 32.5° | 1351.6 | 1334.2 | 1295.1 | 1232.1 | 1160.4 | 1162.6 | 1138.7 | 1130.0 | 1084.3 | 1086.5 | 1051.7 |
| 35° | 1495.0 | 1475.5 | 1436.4 | 1353.8 | 1279.9 | 1286.4 | 1264.7 | 1249.5 | 1193.0 | 1193.0 | 1156.0 |
| 37.5° | 1647.1 | 1647.1 | 1597.2 | 1501.6 | 1412.5 | 1427.7 | 1401.6 | 1386.4 | 1329.9 | 1338.6 | 1279.9 |
| 40° | 1816.6 | 1827.5 | 1773.2 | 1664.5 | 1573.3 | 1579.8 | 1560.2 | 1542.8 | 1475.5 | 1490.7 | 1427.7 |
| 42.5° | 1994.8 | 2014.4 | 1966.6 | 1853.6 | 1751.5 | 1773.2 | 1740.6 | 1723.2 | 1651.5 | 1684.1 | 1610.2 |
| 45° | 2253.4 | 2257.8 | 2168.7 | 2060.0 | 1975.3 | 1994.8 | 1949.2 | 1942.7 | 1853.6 | 1888.4 | 1814.5 |
| 47.5° | 2416.4 | 2405.5 | 2340.3 | 2275.1 | 2225.2 | 2264.3 | 2223.0 | 2212.1 | 2110.0 | 2133.9 | 2029.6 |
| 50° | 2527.2 | 2533.7 | 2483.8 | 2477.2 | 2485.9 | 2559.8 | 2553.3 | 2531.6 | 2409.9 | 2392.5 | 2262.1 |
| 52.5° | 2627.2 | 2598.9 | 2590.2 | 2651.1 | 2744.5 | 2831.4 | 2866.2 | 2838.0 | 2705.4 | 2657.6 | 2531.6 |
| 55° | 2609.8 | 2568.5 | 2614.1 | 2761.9 | 2946.6 | 3081.3 | 3085.7 | 3066.1 | 2946.6 | 2927.1 | 2790.2 |
| 57.5° | 2492.4 | 2501.1 | 2594.6 | 2805.4 | 3118.3 | 3257.3 | 3281.3 | 3257.3 | 3159.6 | 3176.9 | 3064.0 |
| 60° | 2329.5 | 2346.9 | 2494.6 | 2766.2 | 3255.2 | 3374.7 | 3385.6 | 3413.8 | 3348.6 | 3394.2 | 3316.0 |
| 62.5° | 2086.1 | 2110.0 | 2299.0 | 2668.5 | 3159.6 | 3337.8 | 3437.7 | 3502.9 | 3489.9 | 3594.2 | 3552.9 |
| 65° | 1916.6 | 1916.6 | 2101.3 | 2555.5 | 3066.1 | 3300.8 | 3450.7 | 3572.4 | 3589.8 | 3755.0 | 3739.8 |
| 67.5° | 1601.5 | 1612.4 | 1771.0 | 2240.4 | 2953.1 | 3218.2 | 3444.2 | 3650.7 | 3755.0 | 4015.7 | 4028.8 |
| 70° | 1108.2 | 1116.9 | 1221.2 | 1599.3 | 2386.0 | 2612.0 | 2944.4 | 3281.3 | 3594.2 | 3987.5 | 4191.7 |
| 71° | 830.1 | 841.0 | 943.1 | 1275.6 | 2020.9 | 2207.8 | 2553.3 | 2903.1 | 3296.5 | 3807.1 | 4037.5 |
| 72.5° | 406.4 | 412.9 | 512.8 | 819.2 | 1405.9 | 1645.0 | 1844.9 | 2179.5 | 2596.8 | 3181.3 | 3507.2 |
| 75° | 189.1 | 191.2 | 213.0 | 295.5 | 536.7 | 638.9 | 728.0 | 943.1 | 1201.7 | 1714.5 | 2110.0 |
| 77.5° | 139.1 | 139.1 | 152.1 | 193.4 | 278.1 | 282.5 | 278.1 | 284.7 | 343.3 | 491.1 | 738.8 |
| 80° | 102.1 | 102.1 | 110.8 | 130.4 | 184.7 | 184.7 | 178.2 | 180.4 | 173.8 | 180.4 | 204.3 |
| 82.5° | 67.4 | 67.4 | 71.7 | 78.2 | 113.0 | 113.0 | 108.7 | 108.7 | 104.3 | 102.1 | 110.8 |
| 85° | 39.1 | 41.3 | 43.5 | 36.9 | 47.8 | 45.6 | 41.3 | 45.6 | 43.5 | 39.1 | 47.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 | 2.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227775

CATALOG NUMBER: ISC-AF-1200-LED-E1-T3-7060

CANDELA DISTRIBUTION (continued):

| | 52.5° | 55° | 57° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 |
| 2.5° | 838.8 | 845.3 | 845.3 | 836.6 | 843.1 | 836.6 | 841.0 | 834.4 | 841.0 | 830.1 | 843.1 |
| 5° | 832.3 | 838.8 | 838.8 | 825.7 | 838.8 | 825.7 | 836.6 | 821.4 | 836.6 | 819.2 | 836.6 |
| 7.5° | 814.9 | 830.1 | 830.1 | 812.7 | 827.9 | 814.9 | 827.9 | 812.7 | 825.7 | 806.2 | 827.9 |
| 10° | 795.3 | 810.5 | 812.7 | 795.3 | 812.7 | 797.5 | 817.1 | 797.5 | 817.1 | 795.3 | 819.2 |
| 12.5° | 782.3 | 799.7 | 804.0 | 784.5 | 806.2 | 786.6 | 810.5 | 788.8 | 810.5 | 786.6 | 814.9 |
| 15° | 780.1 | 795.3 | 799.7 | 782.3 | 801.8 | 780.1 | 808.4 | 782.3 | 810.5 | 784.5 | 817.1 |
| 17.5° | 782.3 | 795.3 | 799.7 | 780.1 | 799.7 | 782.3 | 806.2 | 784.5 | 810.5 | 786.6 | 817.1 |
| 20° | 788.8 | 797.5 | 797.5 | 786.6 | 801.8 | 786.6 | 806.2 | 784.5 | 812.7 | 791.0 | 819.2 |
| 22.5° | 808.4 | 810.5 | 810.5 | 801.8 | 810.5 | 799.7 | 814.9 | 799.7 | 819.2 | 801.8 | 827.9 |
| 25° | 841.0 | 838.8 | 834.4 | 832.3 | 834.4 | 827.9 | 836.6 | 825.7 | 845.3 | 830.1 | 856.2 |
| 27.5° | 897.5 | 888.8 | 884.4 | 884.4 | 882.2 | 884.4 | 884.4 | 880.1 | 888.8 | 884.4 | 901.8 |
| 30° | 967.0 | 951.8 | 945.3 | 951.8 | 943.1 | 951.8 | 949.6 | 947.4 | 956.1 | 951.8 | 967.0 |
| 32.5° | 1058.3 | 1032.2 | 1027.8 | 1040.9 | 1023.5 | 1038.7 | 1025.7 | 1032.2 | 1038.7 | 1043.0 | 1051.7 |
| 35° | 1164.7 | 1134.3 | 1130.0 | 1143.0 | 1123.4 | 1145.2 | 1130.0 | 1138.7 | 1143.0 | 1153.9 | 1160.4 |
| 37.5° | 1290.8 | 1253.8 | 1247.3 | 1264.7 | 1238.6 | 1262.5 | 1240.8 | 1266.9 | 1260.3 | 1275.6 | 1282.1 |
| 40° | 1442.9 | 1399.4 | 1384.2 | 1408.1 | 1377.7 | 1397.2 | 1375.5 | 1403.8 | 1397.2 | 1427.7 | 1434.2 |
| 42.5° | 1629.8 | 1566.7 | 1551.5 | 1575.4 | 1529.8 | 1536.3 | 1518.9 | 1551.5 | 1547.2 | 1588.5 | 1595.0 |
| 45° | 1823.2 | 1747.1 | 1725.4 | 1749.3 | 1697.1 | 1710.2 | 1684.1 | 1718.9 | 1716.7 | 1749.3 | 1775.4 |
| 47.5° | 2038.3 | 1944.8 | 1916.6 | 1942.7 | 1879.7 | 1894.9 | 1868.8 | 1905.7 | 1907.9 | 1944.8 | 1970.9 |
| 50° | 2262.1 | 2164.3 | 2127.4 | 2151.3 | 2092.6 | 2103.5 | 2077.4 | 2123.0 | 2120.9 | 2170.8 | 2190.4 |
| 52.5° | 2505.5 | 2405.5 | 2377.3 | 2388.1 | 2318.6 | 2331.6 | 2309.9 | 2366.4 | 2353.4 | 2383.8 | 2422.9 |
| 55° | 2774.9 | 2659.8 | 2627.2 | 2659.8 | 2577.2 | 2594.6 | 2566.3 | 2618.5 | 2596.8 | 2635.9 | 2646.7 |
| 57.5° | 3050.9 | 2937.9 | 2911.8 | 2935.7 | 2857.5 | 2870.6 | 2833.6 | 2877.1 | 2859.7 | 2885.8 | 2903.1 |
| 60° | 3344.3 | 3242.1 | 3216.1 | 3242.1 | 3166.1 | 3168.3 | 3105.2 | 3150.9 | 3124.8 | 3157.4 | 3150.9 |
| 62.5° | 3624.6 | 3537.7 | 3531.1 | 3568.1 | 3472.5 | 3461.6 | 3385.6 | 3418.2 | 3381.2 | 3402.9 | 3376.9 |
| 65° | 3863.6 | 3813.6 | 3822.3 | 3852.8 | 3768.0 | 3741.9 | 3655.0 | 3672.4 | 3618.1 | 3618.1 | 3585.5 |
| 67.5° | 4176.5 | 4122.2 | 4122.2 | 4148.3 | 4041.8 | 3974.4 | 3854.9 | 3839.7 | 3750.6 | 3733.2 | 3657.2 |
| 70° | 4437.3 | 4452.5 | 4435.1 | 4456.9 | 4330.8 | 4193.9 | 4035.3 | 3959.2 | 3841.9 | 3785.4 | 3696.3 |
| 71° | 4343.9 | 4430.8 | 4461.2 | 4478.6 | 4374.3 | 4237.4 | 4072.2 | 3974.4 | 3861.4 | 3785.4 | 3689.8 |
| 72.5° | 3920.1 | 4130.9 | 4250.4 | 4250.4 | 4263.5 | 4176.5 | 4017.9 | 3911.4 | 3783.2 | 3683.3 | 3594.2 |
| 75° | 2746.7 | 3090.0 | 3244.3 | 3226.9 | 3339.9 | 3379.0 | 3392.1 | 3346.4 | 3274.7 | 3131.3 | 3068.3 |
| 77.5° | 1223.4 | 1612.4 | 1844.9 | 1847.1 | 1968.8 | 2075.2 | 2160.0 | 2249.1 | 2216.5 | 2146.9 | 2142.6 |
| 80° | 278.1 | 504.1 | 645.4 | 651.9 | 762.7 | 860.5 | 919.2 | 1008.3 | 1019.1 | 919.2 | 862.7 |
| 82.5° | 119.5 | 141.2 | 160.8 | 158.6 | 195.6 | 234.7 | 278.1 | 302.0 | 291.2 | 241.2 | 228.2 |
| 85° | 50.0 | 65.2 | 69.5 | 65.2 | 80.4 | 89.1 | 104.3 | 106.5 | 123.9 | 110.8 | 117.3 |
| 87.5° | 0.0 | 2.2 | 2.2 | 0.0 | 4.3 | 0.0 | 4.3 | 2.2 | 10.9 | 4.3 | 13.0 |
| 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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CATALOG NUMBER: ISC-AF-1200-LED-E1-T3-7060

CANDELA DISTRIBUTION (continued):

| | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° | 95° | 100° | 102.5° | 105° | 107.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 |
| 2.5° | 834.4 | 845.3 | 834.4 | 845.3 | 838.8 | 845.3 | 843.1 | 845.3 | 834.4 | 845.3 | 832.3 |
| 5° | 819.2 | 836.6 | 821.4 | 834.4 | 821.4 | 836.6 | 836.6 | 836.6 | 821.4 | 838.8 | 823.6 |
| 7.5° | 806.2 | 825.7 | 806.2 | 825.7 | 812.7 | 827.9 | 827.9 | 834.4 | 817.1 | 836.6 | 814.9 |
| 10° | 793.2 | 817.1 | 793.2 | 821.4 | 799.7 | 823.6 | 825.7 | 830.1 | 806.2 | 832.3 | 810.5 |
| 12.5° | 786.6 | 817.1 | 788.8 | 817.1 | 791.0 | 823.6 | 825.7 | 830.1 | 804.0 | 836.6 | 808.4 |
| 15° | 786.6 | 819.2 | 788.8 | 819.2 | 791.0 | 823.6 | 827.9 | 832.3 | 804.0 | 838.8 | 808.4 |
| 17.5° | 786.6 | 819.2 | 793.2 | 821.4 | 795.3 | 825.7 | 830.1 | 834.4 | 808.4 | 838.8 | 812.7 |
| 20° | 793.2 | 823.6 | 797.5 | 827.9 | 801.8 | 832.3 | 834.4 | 841.0 | 812.7 | 841.0 | 817.1 |
| 22.5° | 808.4 | 834.4 | 812.7 | 841.0 | 821.4 | 845.3 | 847.5 | 854.0 | 832.3 | 856.2 | 836.6 |
| 25° | 834.4 | 862.7 | 845.3 | 867.0 | 856.2 | 875.7 | 880.1 | 880.1 | 871.4 | 886.6 | 880.1 |
| 27.5° | 888.8 | 910.5 | 897.5 | 917.0 | 910.5 | 925.7 | 925.7 | 927.9 | 934.4 | 938.7 | 945.3 |
| 30° | 958.3 | 973.5 | 969.2 | 980.0 | 982.2 | 990.9 | 990.9 | 1003.9 | 1030.0 | 1003.9 | 1001.8 |
| 32.5° | 1051.7 | 1060.4 | 1062.6 | 1067.0 | 1075.6 | 1082.2 | 1090.9 | 1106.1 | 1127.8 | 1067.0 | 1047.4 |
| 35° | 1166.9 | 1169.1 | 1175.6 | 1182.1 | 1197.3 | 1201.7 | 1229.9 | 1219.1 | 1219.1 | 1123.4 | 1082.2 |
| 37.5° | 1292.9 | 1292.9 | 1310.3 | 1310.3 | 1347.3 | 1349.4 | 1377.7 | 1321.2 | 1288.6 | 1164.7 | 1103.9 |
| 40° | 1451.6 | 1449.4 | 1469.0 | 1473.3 | 1523.3 | 1525.5 | 1521.1 | 1397.2 | 1327.7 | 1175.6 | 1093.0 |
| 42.5° | 1618.9 | 1625.4 | 1651.5 | 1660.2 | 1697.1 | 1710.2 | 1655.8 | 1449.4 | 1345.1 | 1169.1 | 1056.1 |
| 45° | 1801.4 | 1814.5 | 1847.1 | 1871.0 | 1910.1 | 1894.9 | 1764.5 | 1473.3 | 1325.5 | 1130.0 | 984.4 |
| 47.5° | 2001.3 | 2014.4 | 2040.5 | 2086.1 | 2103.5 | 2086.1 | 1853.6 | 1482.0 | 1295.1 | 1069.1 | 880.1 |
| 50° | 2203.4 | 2225.2 | 2262.1 | 2327.3 | 2336.0 | 2292.5 | 1962.2 | 1514.6 | 1271.2 | 1006.1 | 760.6 |
| 52.5° | 2431.6 | 2453.3 | 2496.8 | 2605.4 | 2583.7 | 2494.6 | 2090.4 | 1575.4 | 1277.7 | 967.0 | 658.4 |
| 55° | 2672.8 | 2703.2 | 2788.0 | 2894.5 | 2846.6 | 2707.6 | 2231.7 | 1664.5 | 1303.8 | 925.7 | 545.4 |
| 57.5° | 2927.1 | 2959.6 | 3070.5 | 3196.5 | 3103.1 | 2916.2 | 2375.1 | 1734.1 | 1316.8 | 841.0 | 421.6 |
| 60° | 3179.1 | 3224.8 | 3368.2 | 3472.5 | 3326.9 | 3094.4 | 2503.3 | 1779.7 | 1282.1 | 680.2 | 326.0 |
| 62.5° | 3409.5 | 3483.3 | 3644.1 | 3700.6 | 3468.1 | 3207.4 | 2572.8 | 1747.1 | 1140.8 | 469.4 | 262.9 |
| 65° | 3572.4 | 3668.0 | 3772.4 | 3765.8 | 3442.1 | 3170.4 | 2520.7 | 1597.2 | 849.6 | 310.7 | 223.8 |
| 67.5° | 3642.0 | 3731.1 | 3755.0 | 3644.1 | 3255.2 | 3007.5 | 2333.8 | 1286.4 | 488.9 | 232.5 | 195.6 |
| 70° | 3668.0 | 3744.1 | 3609.4 | 3342.1 | 2890.1 | 2607.6 | 1907.9 | 819.2 | 267.3 | 189.1 | 169.5 |
| 71° | 3657.2 | 3694.1 | 3437.7 | 3124.8 | 2657.6 | 2362.1 | 1673.2 | 623.7 | 228.2 | 176.0 | 160.8 |
| 72.5° | 3509.4 | 3457.3 | 3061.8 | 2714.1 | 2253.4 | 1953.5 | 1301.6 | 393.3 | 186.9 | 158.6 | 149.9 |
| 75° | 2868.4 | 2633.7 | 2253.4 | 1925.3 | 1534.1 | 1227.8 | 706.2 | 202.1 | 149.9 | 136.9 | 130.4 |
| 77.5° | 1875.3 | 1671.0 | 1358.1 | 1103.9 | 838.8 | 636.7 | 289.0 | 139.1 | 119.5 | 115.2 | 113.0 |
| 80° | 669.3 | 536.7 | 406.4 | 356.4 | 269.5 | 221.6 | 141.2 | 106.5 | 93.4 | 95.6 | 93.4 |
| 82.5° | 189.1 | 173.8 | 149.9 | 139.1 | 121.7 | 119.5 | 91.3 | 80.4 | 73.9 | 78.2 | 76.1 |
| 85° | 93.4 | 80.4 | 58.7 | 56.5 | 43.5 | 50.0 | 45.6 | 54.3 | 47.8 | 50.0 | 45.6 |
| 87.5° | 6.5 | 8.7 | 2.2 | 6.5 | 0.0 | 6.5 | 8.7 | 10.9 | 2.2 | 8.7 | 6.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227775

CATALOG NUMBER: ISC-AF-1200-LED-E1-T3-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 135° | 145° |
|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
| 0° | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 | 849.6 |
| 2.5° | 847.5 | 838.8 | 849.6 | 838.8 | 849.6 | 843.1 | 849.6 | 843.1 | 849.6 | 854.0 | 854.0 |
| 5° | 843.1 | 827.9 | 847.5 | 836.6 | 849.6 | 838.8 | 847.5 | 841.0 | 851.8 | 856.2 | 860.5 |
| 7.5° | 841.0 | 825.7 | 845.3 | 830.1 | 849.6 | 834.4 | 847.5 | 838.8 | 851.8 | 856.2 | 864.9 |
| 10° | 838.8 | 819.2 | 845.3 | 823.6 | 847.5 | 832.3 | 847.5 | 834.4 | 849.6 | 854.0 | 856.2 |
| 12.5° | 838.8 | 817.1 | 845.3 | 821.4 | 847.5 | 825.7 | 845.3 | 825.7 | 847.5 | 845.3 | 838.8 |
| 15° | 841.0 | 812.7 | 845.3 | 817.1 | 845.3 | 819.2 | 843.1 | 817.1 | 838.8 | 832.3 | 827.9 |
| 17.5° | 841.0 | 812.7 | 843.1 | 814.9 | 841.0 | 817.1 | 836.6 | 812.7 | 832.3 | 830.1 | 823.6 |
| 20° | 845.3 | 817.1 | 843.1 | 823.6 | 843.1 | 819.2 | 834.4 | 812.7 | 827.9 | 814.9 | 788.8 |
| 22.5° | 858.3 | 838.8 | 858.3 | 838.8 | 847.5 | 825.7 | 832.3 | 806.2 | 804.0 | 782.3 | 741.0 |
| 25° | 888.8 | 880.1 | 875.7 | 851.8 | 845.3 | 817.1 | 808.4 | 777.9 | 767.1 | 734.5 | 678.0 |
| 27.5° | 927.9 | 908.3 | 882.2 | 854.0 | 825.7 | 791.0 | 767.1 | 743.2 | 719.3 | 678.0 | 606.3 |
| 30° | 954.0 | 925.7 | 871.4 | 832.3 | 780.1 | 751.9 | 710.6 | 684.5 | 649.7 | 597.6 | 528.0 |
| 32.5° | 971.3 | 927.9 | 845.3 | 799.7 | 730.1 | 693.2 | 638.9 | 610.6 | 560.6 | 510.7 | 460.7 |
| 35° | 975.7 | 919.2 | 810.5 | 760.6 | 669.3 | 628.0 | 556.3 | 525.9 | 478.1 | 443.3 | 423.7 |
| 37.5° | 958.3 | 888.8 | 756.2 | 691.0 | 591.1 | 543.3 | 475.9 | 454.2 | 425.9 | 412.9 | 404.2 |
| 40° | 923.5 | 830.1 | 671.5 | 595.4 | 493.3 | 456.3 | 421.6 | 421.6 | 406.4 | 399.8 | 384.6 |
| 42.5° | 860.5 | 743.2 | 562.8 | 488.9 | 419.4 | 412.9 | 393.3 | 402.0 | 391.1 | 386.8 | 365.1 |
| 45° | 762.7 | 619.3 | 454.2 | 410.7 | 378.1 | 382.5 | 369.4 | 378.1 | 371.6 | 369.4 | 343.3 |
| 47.5° | 636.7 | 493.3 | 382.5 | 367.2 | 345.5 | 352.0 | 341.2 | 352.0 | 345.5 | 347.7 | 328.1 |
| 50° | 508.5 | 399.8 | 339.0 | 330.3 | 315.1 | 319.4 | 312.9 | 323.8 | 321.6 | 330.3 | 319.4 |
| 52.5° | 406.4 | 341.2 | 302.0 | 295.5 | 286.8 | 289.0 | 286.8 | 297.7 | 299.9 | 317.3 | 317.3 |
| 55° | 336.8 | 293.4 | 271.6 | 269.5 | 260.8 | 262.9 | 265.1 | 276.0 | 284.7 | 306.4 | 317.3 |
| 57.5° | 289.0 | 262.9 | 247.7 | 245.6 | 241.2 | 243.4 | 247.7 | 260.8 | 269.5 | 297.7 | 321.6 |
| 60° | 254.2 | 239.0 | 228.2 | 228.2 | 223.8 | 228.2 | 232.5 | 245.6 | 256.4 | 289.0 | 312.9 |
| 62.5° | 228.2 | 217.3 | 210.8 | 213.0 | 210.8 | 215.1 | 219.5 | 232.5 | 245.6 | 276.0 | 299.9 |
| 65° | 204.3 | 197.7 | 193.4 | 195.6 | 195.6 | 202.1 | 206.4 | 219.5 | 230.3 | 258.6 | 289.0 |
| 67.5° | 184.7 | 180.4 | 178.2 | 180.4 | 182.5 | 189.1 | 195.6 | 204.3 | 213.0 | 239.0 | 273.8 |
| 70° | 169.5 | 165.1 | 165.1 | 165.1 | 167.3 | 173.8 | 182.5 | 186.9 | 195.6 | 223.8 | 256.4 |
| 71° | 160.8 | 158.6 | 158.6 | 158.6 | 160.8 | 167.3 | 176.0 | 180.4 | 189.1 | 217.3 | 247.7 |
| 72.5° | 149.9 | 149.9 | 152.1 | 149.9 | 154.3 | 156.5 | 165.1 | 169.5 | 180.4 | 208.6 | 236.9 |
| 75° | 132.6 | 132.6 | 134.7 | 134.7 | 139.1 | 139.1 | 145.6 | 149.9 | 163.0 | 186.9 | 213.0 |
| 77.5° | 117.3 | 117.3 | 121.7 | 119.5 | 119.5 | 115.2 | 123.9 | 128.2 | 139.1 | 163.0 | 189.1 |
| 80° | 100.0 | 97.8 | 102.1 | 95.6 | 93.4 | 89.1 | 95.6 | 102.1 | 119.5 | 134.7 | 139.1 |
| 82.5° | 78.2 | 71.7 | 73.9 | 67.4 | 67.4 | 63.0 | 69.5 | 71.7 | 82.6 | 97.8 | 106.5 |
| 85° | 47.8 | 39.1 | 43.5 | 36.9 | 41.3 | 36.9 | 39.1 | 41.3 | 50.0 | 60.8 | 58.7 |
| 87.5° | 10.9 | 6.5 | 8.7 | 2.2 | 6.5 | 0.0 | 6.5 | 2.2 | 6.5 | 2.2 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P227775

CATALOG NUMBER: ISC-AF-1200-LED-E1-T3-7060

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 849.6 | 849.6 | 849.6 | 849.6 |
| 2.5° | 858.3 | 856.2 | 858.3 | 856.2 |
| 5° | 869.2 | 869.2 | 871.4 | 873.6 |
| 7.5° | 871.4 | 875.7 | 880.1 | 877.9 |
| 10° | 856.2 | 851.8 | 856.2 | 851.8 |
| 12.5° | 832.3 | 827.9 | 832.3 | 832.3 |
| 15° | 830.1 | 827.9 | 830.1 | 830.1 |
| 17.5° | 814.9 | 804.0 | 799.7 | 797.5 |
| 20° | 771.4 | 751.9 | 747.5 | 741.0 |
| 22.5° | 710.6 | 682.3 | 673.6 | 667.1 |
| 25° | 636.7 | 597.6 | 582.4 | 573.7 |
| 27.5° | 556.3 | 517.2 | 502.0 | 502.0 |
| 30° | 493.3 | 462.9 | 447.6 | 447.6 |
| 32.5° | 447.6 | 430.3 | 419.4 | 421.6 |
| 35° | 410.7 | 399.8 | 393.3 | 395.5 |
| 37.5° | 386.8 | 369.4 | 354.2 | 354.2 |
| 40° | 362.9 | 341.2 | 321.6 | 321.6 |
| 42.5° | 341.2 | 319.4 | 306.4 | 304.2 |
| 45° | 319.4 | 304.2 | 293.4 | 291.2 |
| 47.5° | 308.6 | 295.5 | 284.7 | 282.5 |
| 50° | 304.2 | 291.2 | 276.0 | 276.0 |
| 52.5° | 308.6 | 297.7 | 269.5 | 269.5 |
| 55° | 317.3 | 310.7 | 269.5 | 265.1 |
| 57.5° | 308.6 | 297.7 | 271.6 | 265.1 |
| 60° | 289.0 | 271.6 | 267.3 | 262.9 |
| 62.5° | 276.0 | 258.6 | 267.3 | 265.1 |
| 65° | 265.1 | 252.1 | 271.6 | 267.3 |
| 67.5° | 254.2 | 241.2 | 271.6 | 262.9 |
| 70° | 241.2 | 228.2 | 247.7 | 232.5 |
| 71° | 234.7 | 219.5 | 234.7 | 221.6 |
| 72.5° | 223.8 | 206.4 | 210.8 | 202.1 |
| 75° | 202.1 | 184.7 | 180.4 | 178.2 |
| 77.5° | 167.3 | 147.8 | 141.2 | 139.1 |
| 80° | 128.2 | 115.2 | 115.2 | 108.7 |
| 82.5° | 95.6 | 84.7 | 82.6 | 71.7 |
| 85° | 50.0 | 39.1 | 32.6 | 32.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)