

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: INVUE

Report Number: P180486

Luminaire Tested: **ICM-E04-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180486
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E04-LED-E1-SL2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9594.4 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

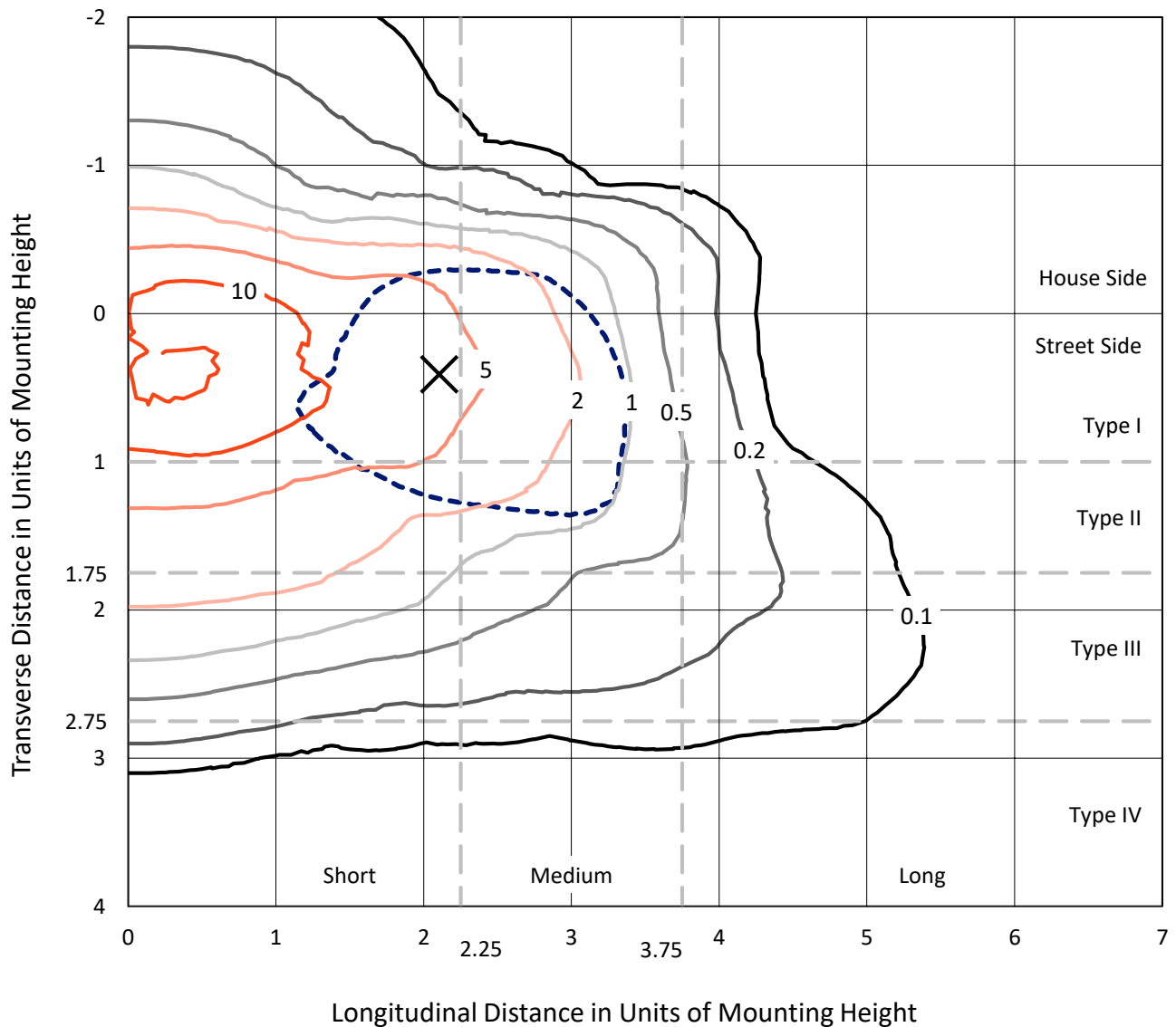
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180486
 CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

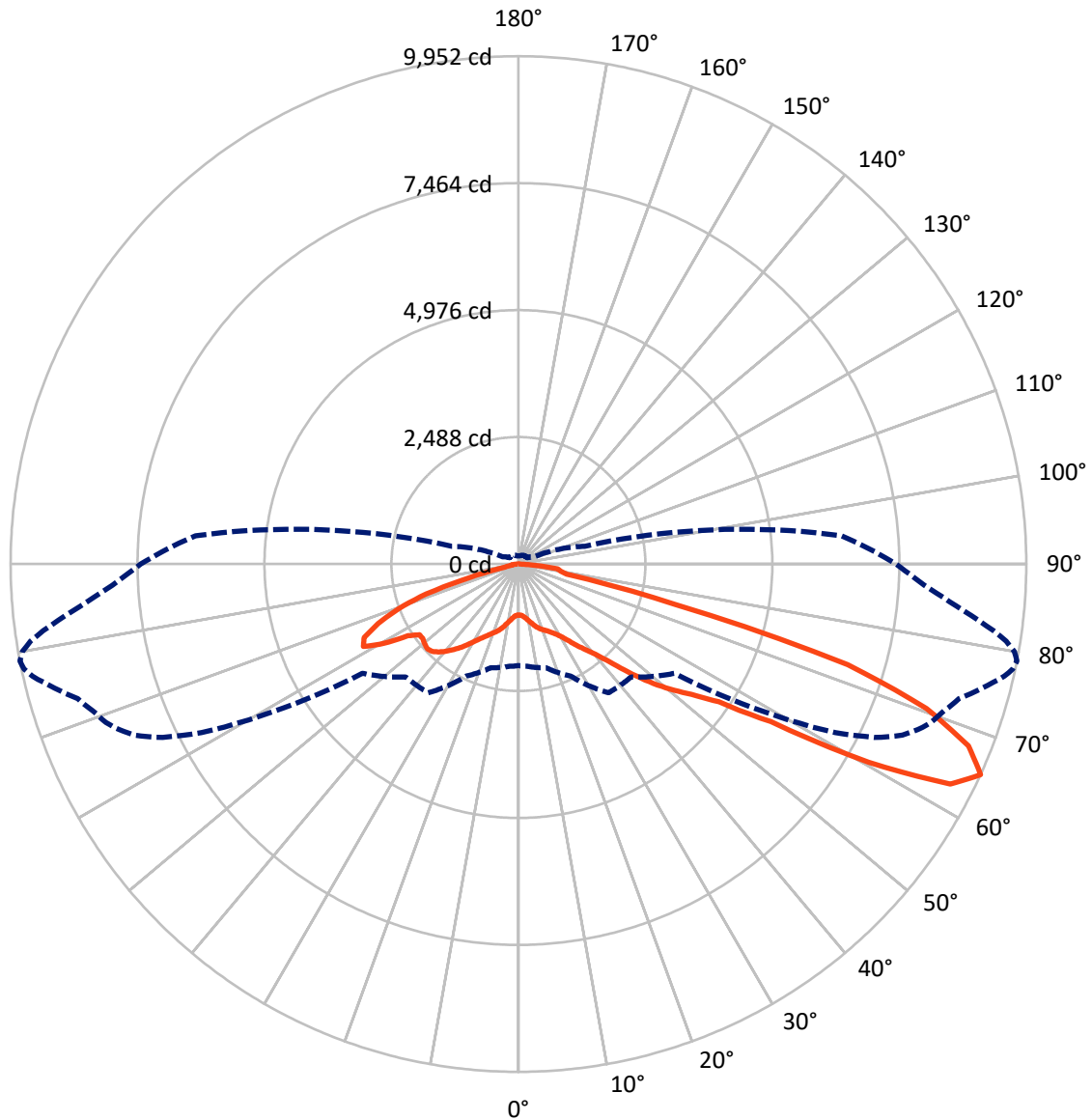
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P180486
CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P180486

CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2268.1 | 0.0 | 2268.1 |
| | % Fixture | 23.6 | 0.0 | 23.6 |
| Street Side | Lumens | 7326.3 | 0.0 | 7326.3 |
| | % Fixture | 76.4 | 0.0 | 76.4 |
| Total | Lumens | 9594.4 | 0.0 | 9594.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.3 | 1.0 |
| 10°-20° | 324.6 | 3.4 |
| 20°-30° | 560.7 | 5.8 |
| 30°-40° | 928.1 | 9.7 |
| 40°-50° | 1574.0 | 16.4 |
| 50°-60° | 2091.3 | 21.8 |
| 60°-70° | 2701.5 | 28.2 |
| 70°-80° | 1133.0 | 11.8 |
| 80°-90° | 182.0 | 1.9 |
| 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° | 9594.4 | 100.0 |
| 0°-180° | 9594.4 | 100.0 |



REPORT NUMBER: P180486

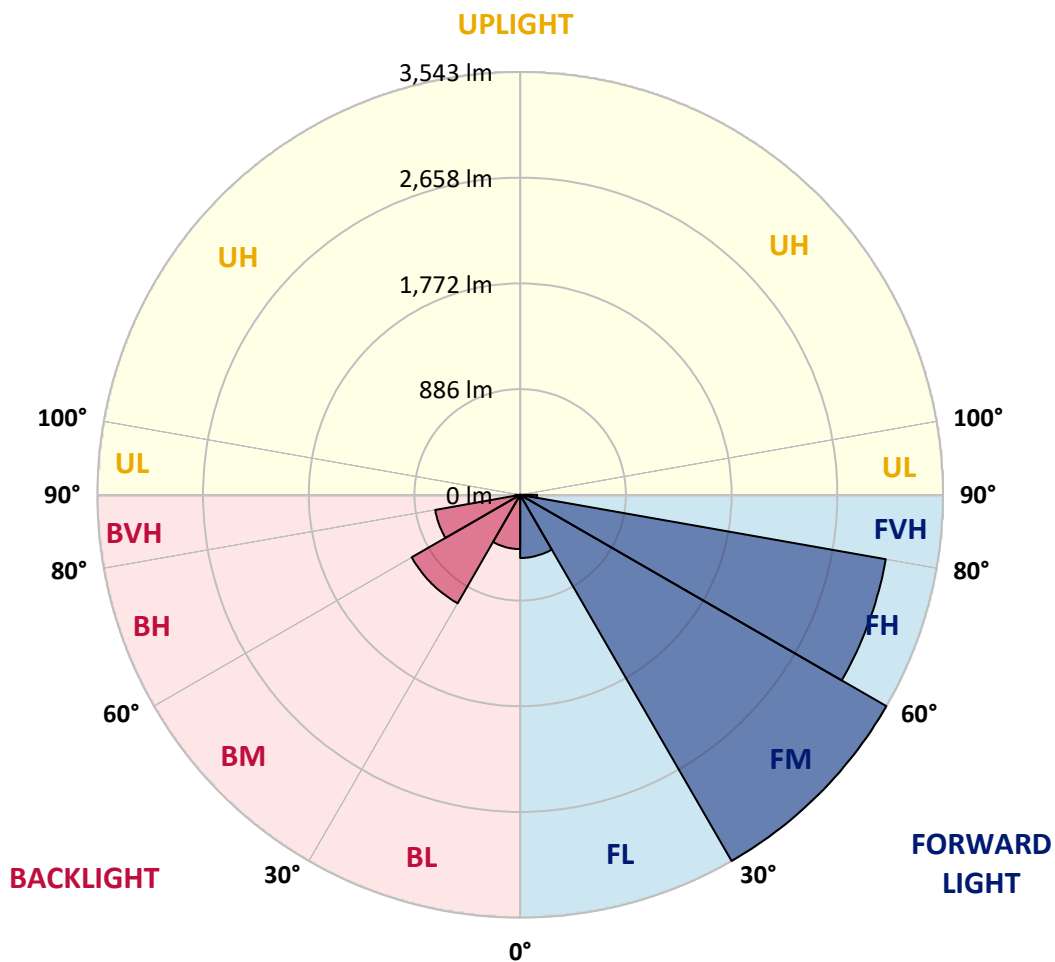
CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 529.4 | 5.5 | | | |
| FM | (30°-60°) | 3543.5 | 36.9 | | | |
| FH | (60°-80°) | 3111.1 | 32.4 | | | G2/5000 |
| FVH | (80°-90°) | 142.3 | 1.5 | | | G2/225 |
| BL | (0°-30°) | 455.2 | 4.7 | B1/500 | | |
| BM | (30°-60°) | 1049.9 | 10.9 | B2/2500 | | |
| BH | (60°-80°) | 723.4 | 7.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 39.7 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P180486

CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 |
| 2.5° | 995.5 | 998.7 | 996.6 | 998.7 | 1000.8 | 1001.8 | 1003.9 | 1002.9 | 1002.9 | 1003.9 | 1001.8 |
| 5° | 995.5 | 995.5 | 998.7 | 1003.9 | 1006.0 | 1012.3 | 1019.6 | 1018.5 | 1019.6 | 1018.5 | 1020.7 |
| 7.5° | 1016.5 | 1015.4 | 1018.5 | 1024.8 | 1026.9 | 1036.4 | 1048.9 | 1051.0 | 1053.1 | 1053.1 | 1056.2 |
| 10° | 1053.1 | 1052.0 | 1055.2 | 1058.3 | 1061.5 | 1068.8 | 1086.6 | 1094.0 | 1095.0 | 1096.0 | 1100.2 |
| 12.5° | 1099.2 | 1098.1 | 1094.0 | 1094.0 | 1092.8 | 1106.5 | 1130.5 | 1144.2 | 1146.2 | 1150.4 | 1153.6 |
| 15° | 1131.6 | 1128.5 | 1122.1 | 1118.0 | 1123.3 | 1145.2 | 1180.8 | 1196.5 | 1198.6 | 1201.8 | 1210.1 |
| 17.5° | 1163.0 | 1159.9 | 1146.2 | 1135.8 | 1143.2 | 1178.7 | 1226.9 | 1243.6 | 1247.8 | 1251.0 | 1260.4 |
| 20° | 1207.0 | 1204.8 | 1185.0 | 1159.9 | 1157.8 | 1203.8 | 1262.4 | 1284.5 | 1287.5 | 1291.7 | 1301.2 |
| 22.5° | 1274.0 | 1264.6 | 1241.5 | 1194.4 | 1171.4 | 1218.5 | 1287.5 | 1318.0 | 1322.1 | 1326.3 | 1338.9 |
| 25° | 1357.7 | 1353.5 | 1313.8 | 1241.5 | 1193.4 | 1233.1 | 1314.8 | 1352.5 | 1358.8 | 1364.0 | 1380.8 |
| 27.5° | 1444.6 | 1438.3 | 1395.5 | 1301.2 | 1232.1 | 1262.4 | 1357.7 | 1400.7 | 1409.0 | 1417.4 | 1433.1 |
| 30° | 1522.1 | 1520.0 | 1484.4 | 1381.8 | 1294.9 | 1318.0 | 1426.8 | 1479.2 | 1488.6 | 1499.1 | 1513.7 |
| 32.5° | 1704.2 | 1705.2 | 1668.7 | 1563.9 | 1446.7 | 1418.4 | 1526.2 | 1604.8 | 1608.9 | 1621.5 | 1647.7 |
| 35° | 2052.8 | 2057.0 | 2043.4 | 1960.7 | 1828.8 | 1712.6 | 1723.1 | 1800.6 | 1804.8 | 1815.2 | 1840.3 |
| 37.5° | 2286.2 | 2294.6 | 2336.5 | 2362.7 | 2295.6 | 2242.2 | 2109.3 | 2079.0 | 2082.2 | 2075.8 | 2070.6 |
| 40° | 2415.0 | 2427.5 | 2537.5 | 2673.6 | 2746.8 | 2747.9 | 2690.3 | 2556.3 | 2505.0 | 2490.3 | 2427.5 |
| 42.5° | 2488.3 | 2509.2 | 2665.2 | 2897.6 | 3108.0 | 3252.5 | 3288.0 | 3139.4 | 3101.7 | 3034.7 | 2914.3 |
| 45° | 2536.5 | 2561.6 | 2745.8 | 3064.0 | 3373.9 | 3619.9 | 3805.1 | 3739.2 | 3714.1 | 3673.3 | 3562.3 |
| 47.5° | 2528.1 | 2547.9 | 2739.6 | 3120.6 | 3513.1 | 3862.7 | 4191.5 | 4259.5 | 4229.1 | 4218.6 | 4143.3 |
| 50° | 2375.3 | 2393.0 | 2587.7 | 2980.3 | 3436.7 | 3954.9 | 4436.4 | 4629.1 | 4629.1 | 4649.0 | 4625.9 |
| 52.5° | 2211.9 | 2226.6 | 2403.5 | 2756.3 | 3189.7 | 3864.9 | 4572.5 | 4891.8 | 4933.6 | 4968.2 | 5022.6 |
| 55° | 2150.2 | 2167.9 | 2302.0 | 2603.5 | 2979.3 | 3607.4 | 4618.5 | 5088.6 | 5166.1 | 5224.7 | 5348.2 |
| 57.5° | 2179.5 | 2197.2 | 2292.6 | 2520.8 | 2855.7 | 3344.6 | 4620.7 | 5353.4 | 5503.1 | 5623.5 | 5873.7 |
| 60° | 2306.2 | 2322.9 | 2402.4 | 2597.1 | 2823.3 | 3192.8 | 4531.7 | 5775.3 | 6014.0 | 6240.0 | 6656.7 |
| 62.5° | 2247.5 | 2268.5 | 2384.7 | 2723.8 | 3065.0 | 3077.6 | 4210.3 | 6101.9 | 6486.1 | 6820.0 | 7482.7 |
| 65° | 1991.1 | 2013.0 | 2104.1 | 2421.3 | 3079.7 | 3127.9 | 3734.0 | 6108.1 | 6585.5 | 7036.7 | 7751.7 |
| 67.5° | 1511.6 | 1520.0 | 1592.2 | 1846.6 | 2463.2 | 3183.4 | 3244.1 | 5384.9 | 5839.1 | 6342.6 | 7080.7 |
| 70° | 772.6 | 787.2 | 808.1 | 1019.6 | 1586.0 | 2630.6 | 2787.6 | 3968.5 | 4547.4 | 5067.7 | 5954.3 |
| 72.5° | 268.0 | 273.2 | 294.1 | 389.4 | 772.6 | 1726.2 | 2440.1 | 2719.6 | 3069.2 | 3556.0 | 4583.0 |
| 75° | 161.2 | 161.2 | 168.6 | 196.8 | 352.7 | 899.3 | 2171.1 | 2221.3 | 2268.5 | 2431.7 | 3103.8 |
| 77.5° | 127.7 | 129.8 | 129.8 | 135.1 | 195.7 | 461.7 | 1648.8 | 2065.4 | 2071.6 | 2087.4 | 2200.4 |
| 80° | 91.1 | 95.3 | 103.6 | 107.8 | 126.7 | 253.3 | 925.4 | 1813.1 | 1936.6 | 1996.3 | 2079.0 |
| 82.5° | 68.0 | 72.2 | 87.9 | 93.2 | 98.4 | 141.3 | 415.6 | 1251.0 | 1476.0 | 1595.4 | 1886.3 |
| 85° | 30.3 | 35.6 | 59.6 | 66.0 | 69.1 | 75.3 | 194.7 | 355.9 | 409.3 | 459.5 | 606.1 |
| 87.5° | 5.2 | 5.2 | 9.4 | 13.6 | 19.9 | 18.9 | 42.9 | 60.7 | 61.8 | 72.2 | 80.6 |
| 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: P180486

CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 |
| 2.5° | 1001.8 | 1001.8 | 1001.8 | 1000.8 | 1001.8 | 1001.8 | 1001.8 | 1001.8 | 1002.9 | 1002.9 | 1002.9 |
| 5° | 1023.8 | 1021.7 | 1022.7 | 1022.7 | 1022.7 | 1021.7 | 1023.8 | 1022.7 | 1023.8 | 1026.9 | 1025.9 |
| 7.5° | 1056.2 | 1058.3 | 1059.4 | 1060.5 | 1060.5 | 1060.5 | 1061.5 | 1063.5 | 1063.5 | 1066.7 | 1065.7 |
| 10° | 1104.4 | 1103.4 | 1104.4 | 1107.5 | 1110.7 | 1111.7 | 1114.9 | 1113.8 | 1115.9 | 1120.1 | 1124.3 |
| 12.5° | 1155.7 | 1157.8 | 1160.9 | 1164.1 | 1169.3 | 1170.3 | 1173.5 | 1174.5 | 1180.8 | 1180.8 | 1185.0 |
| 15° | 1213.2 | 1214.3 | 1220.6 | 1221.6 | 1227.9 | 1230.1 | 1235.3 | 1237.3 | 1244.7 | 1245.7 | 1249.9 |
| 17.5° | 1265.6 | 1267.7 | 1270.8 | 1274.0 | 1281.3 | 1284.5 | 1288.7 | 1292.8 | 1299.1 | 1301.2 | 1308.6 |
| 20° | 1307.4 | 1311.6 | 1312.8 | 1319.0 | 1325.3 | 1329.5 | 1333.7 | 1337.9 | 1344.1 | 1347.3 | 1354.6 |
| 22.5° | 1345.1 | 1349.3 | 1352.5 | 1357.7 | 1361.9 | 1368.2 | 1370.2 | 1377.6 | 1383.9 | 1389.1 | 1395.5 |
| 25° | 1386.0 | 1392.3 | 1395.5 | 1404.8 | 1408.0 | 1414.2 | 1419.5 | 1426.8 | 1435.2 | 1441.5 | 1449.9 |
| 27.5° | 1443.5 | 1452.9 | 1457.1 | 1467.6 | 1475.0 | 1478.1 | 1486.5 | 1496.9 | 1504.3 | 1511.6 | 1520.0 |
| 30° | 1523.1 | 1540.9 | 1544.0 | 1551.4 | 1565.0 | 1567.1 | 1577.6 | 1586.0 | 1597.4 | 1604.8 | 1612.1 |
| 32.5° | 1646.6 | 1668.7 | 1670.7 | 1679.1 | 1690.6 | 1694.8 | 1703.2 | 1712.6 | 1730.4 | 1733.5 | 1745.0 |
| 35° | 1836.1 | 1845.5 | 1853.9 | 1857.0 | 1866.4 | 1871.7 | 1878.0 | 1888.5 | 1906.2 | 1904.2 | 1916.8 |
| 37.5° | 2063.3 | 2066.4 | 2067.5 | 2057.0 | 2059.1 | 2049.7 | 2061.2 | 2063.3 | 2069.6 | 2074.8 | 2087.4 |
| 40° | 2387.8 | 2355.4 | 2351.2 | 2326.1 | 2300.9 | 2287.3 | 2282.1 | 2261.1 | 2266.3 | 2268.5 | 2278.9 |
| 42.5° | 2862.0 | 2799.2 | 2746.8 | 2711.3 | 2649.5 | 2619.2 | 2578.3 | 2545.9 | 2520.8 | 2530.2 | 2534.3 |
| 45° | 3462.9 | 3372.9 | 3289.1 | 3180.2 | 3099.6 | 3042.1 | 2969.8 | 2904.9 | 2875.6 | 2862.0 | 2878.7 |
| 47.5° | 4062.7 | 3983.1 | 3884.8 | 3772.8 | 3645.0 | 3549.8 | 3429.4 | 3323.6 | 3250.3 | 3223.2 | 3237.8 |
| 50° | 4580.9 | 4507.6 | 4433.2 | 4367.3 | 4218.6 | 4115.0 | 3950.7 | 3813.5 | 3698.4 | 3639.7 | 3624.1 |
| 52.5° | 5011.1 | 4972.4 | 4932.6 | 4877.1 | 4757.8 | 4654.2 | 4523.3 | 4388.2 | 4235.4 | 4116.1 | 4075.3 |
| 55° | 5395.3 | 5418.4 | 5398.5 | 5399.5 | 5352.4 | 5286.5 | 5175.5 | 5075.0 | 4968.2 | 4833.1 | 4776.6 |
| 57.5° | 5955.4 | 6091.4 | 6118.6 | 6186.6 | 6220.2 | 6255.8 | 6287.2 | 6227.5 | 6200.3 | 6099.8 | 6100.9 |
| 60° | 6837.8 | 7036.7 | 7209.4 | 7366.5 | 7495.2 | 7620.8 | 7752.7 | 7811.3 | 7876.2 | 7906.7 | 8010.3 |
| 62.5° | 7776.8 | 7966.3 | 8223.8 | 8434.2 | 8552.5 | 8715.8 | 8859.2 | 8952.3 | 9066.5 | 9187.9 | 9346.0 |
| 65° | 8009.2 | 8237.4 | 8399.7 | 8540.0 | 8657.2 | 8744.1 | 8822.6 | 8933.5 | 9028.8 | 9221.5 | 9407.8 |
| 67.5° | 7413.5 | 7595.7 | 7744.3 | 7882.6 | 7973.6 | 8046.8 | 8117.0 | 8190.3 | 8353.6 | 8528.4 | 8715.8 |
| 70° | 6363.6 | 6583.4 | 6829.4 | 7008.4 | 7053.4 | 7116.2 | 7183.3 | 7278.6 | 7360.1 | 7543.4 | 7685.7 |
| 72.5° | 5112.7 | 5428.8 | 5637.2 | 5885.2 | 5938.5 | 6033.9 | 6071.6 | 6145.9 | 6160.5 | 6259.9 | 6297.6 |
| 75° | 3563.4 | 3925.6 | 4134.9 | 4317.0 | 4352.7 | 4300.3 | 4321.2 | 4058.5 | 3991.5 | 3937.0 | 3893.1 |
| 77.5° | 2352.2 | 2449.6 | 2483.1 | 2453.8 | 2313.5 | 2203.5 | 2086.3 | 1971.2 | 1983.7 | 1890.5 | 1727.3 |
| 80° | 2091.5 | 2113.5 | 2083.2 | 2053.9 | 1973.2 | 1858.1 | 1752.4 | 1644.6 | 1591.2 | 1534.6 | 1450.9 |
| 82.5° | 2035.0 | 2119.8 | 2129.2 | 2093.6 | 2029.8 | 1904.2 | 1776.5 | 1616.3 | 1480.2 | 1354.6 | 1226.9 |
| 85° | 680.5 | 828.0 | 894.0 | 955.7 | 974.6 | 996.6 | 921.2 | 818.6 | 695.1 | 612.4 | 479.4 |
| 87.5° | 86.9 | 107.8 | 124.6 | 106.8 | 124.6 | 146.5 | 105.8 | 118.3 | 119.3 | 74.3 | 55.4 |
| 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: P180486

CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 |
| 2.5° | 1003.9 | 1002.9 | 1002.9 | 1002.9 | 1001.8 | 1002.9 | 1002.9 | 1002.9 | 1002.9 | 1002.9 | 1001.8 |
| 5° | 1026.9 | 1026.9 | 1030.1 | 1031.1 | 1029.0 | 1028.0 | 1029.0 | 1030.1 | 1030.1 | 1029.0 | 1030.1 |
| 7.5° | 1069.9 | 1070.9 | 1073.0 | 1076.1 | 1074.1 | 1075.1 | 1076.1 | 1075.1 | 1078.2 | 1079.3 | 1078.2 |
| 10° | 1124.3 | 1126.3 | 1131.6 | 1132.7 | 1131.6 | 1135.8 | 1136.8 | 1134.7 | 1136.8 | 1136.8 | 1141.0 |
| 12.5° | 1187.1 | 1189.2 | 1195.4 | 1197.6 | 1199.6 | 1200.7 | 1203.8 | 1204.8 | 1208.0 | 1210.1 | 1213.2 |
| 15° | 1255.2 | 1257.2 | 1261.4 | 1268.8 | 1270.8 | 1272.9 | 1275.0 | 1281.3 | 1282.3 | 1286.5 | 1289.7 |
| 17.5° | 1312.8 | 1315.8 | 1322.1 | 1327.4 | 1330.5 | 1335.7 | 1337.9 | 1345.1 | 1347.3 | 1353.5 | 1358.8 |
| 20° | 1358.8 | 1364.0 | 1369.2 | 1375.5 | 1380.8 | 1387.1 | 1389.1 | 1396.5 | 1400.7 | 1403.8 | 1410.1 |
| 22.5° | 1400.7 | 1406.9 | 1414.2 | 1421.6 | 1425.8 | 1434.1 | 1437.3 | 1440.4 | 1449.9 | 1454.1 | 1460.3 |
| 25° | 1455.1 | 1461.3 | 1469.8 | 1479.2 | 1483.4 | 1493.8 | 1496.9 | 1502.1 | 1512.7 | 1516.8 | 1526.2 |
| 27.5° | 1529.4 | 1537.8 | 1544.0 | 1553.5 | 1558.7 | 1566.1 | 1573.4 | 1579.6 | 1589.0 | 1595.4 | 1605.8 |
| 30° | 1622.5 | 1628.8 | 1639.4 | 1646.6 | 1655.0 | 1665.5 | 1673.9 | 1680.1 | 1685.4 | 1694.8 | 1706.3 |
| 32.5° | 1759.7 | 1760.8 | 1763.9 | 1781.7 | 1790.1 | 1798.4 | 1810.0 | 1815.2 | 1823.5 | 1832.9 | 1845.5 |
| 35° | 1930.3 | 1939.7 | 1947.1 | 1955.5 | 1964.8 | 1974.3 | 1978.5 | 1994.2 | 2001.5 | 2014.1 | 2026.6 |
| 37.5° | 2099.9 | 2100.9 | 2117.7 | 2123.0 | 2131.4 | 2140.8 | 2155.4 | 2171.1 | 2190.0 | 2202.5 | 2222.4 |
| 40° | 2282.1 | 2290.4 | 2311.4 | 2321.9 | 2332.3 | 2355.4 | 2366.9 | 2392.0 | 2423.4 | 2441.1 | 2474.7 |
| 42.5° | 2545.9 | 2558.4 | 2596.1 | 2612.9 | 2638.0 | 2675.6 | 2699.7 | 2734.2 | 2746.8 | 2789.8 | 2805.5 |
| 45° | 2891.3 | 2930.1 | 2984.5 | 3020.1 | 3065.0 | 3105.9 | 3126.8 | 3142.5 | 3161.4 | 3194.9 | 3190.7 |
| 47.5° | 3265.0 | 3315.3 | 3376.0 | 3449.2 | 3478.5 | 3526.7 | 3554.0 | 3584.3 | 3567.6 | 3559.2 | 3550.8 |
| 50° | 3648.1 | 3706.8 | 3787.4 | 3853.3 | 3898.3 | 3927.7 | 3950.7 | 3946.5 | 3910.9 | 3892.0 | 3839.7 |
| 52.5° | 4074.3 | 4108.8 | 4185.1 | 4241.7 | 4269.0 | 4275.2 | 4270.0 | 4238.5 | 4205.0 | 4145.4 | 4083.7 |
| 55° | 4727.5 | 4711.7 | 4742.1 | 4768.2 | 4759.8 | 4789.1 | 4713.8 | 4684.5 | 4601.8 | 4524.3 | 4441.6 |
| 57.5° | 6054.8 | 6075.8 | 5906.2 | 5829.7 | 5816.1 | 5843.3 | 5710.4 | 5693.6 | 5493.7 | 5468.6 | 5329.3 |
| 60° | 7995.6 | 8098.2 | 7965.3 | 7890.9 | 7689.9 | 7624.0 | 7475.3 | 7413.5 | 7222.0 | 7067.0 | 6871.3 |
| 62.5° | 9454.8 | 9548.1 | 9603.5 | 9497.7 | 9380.5 | 9207.8 | 8982.8 | 8733.6 | 8530.5 | 8292.9 | 8085.6 |
| 65° | 9586.8 | 9775.1 | 9902.9 | 9952.1 | 9869.4 | 9679.9 | 9402.5 | 9088.4 | 8777.5 | 8479.2 | 8217.5 |
| 67.5° | 8970.2 | 9138.8 | 9336.5 | 9513.5 | 9524.0 | 9400.4 | 9163.9 | 8844.5 | 8485.5 | 8117.0 | 7810.3 |
| 70° | 7910.8 | 8122.3 | 8294.9 | 8481.4 | 8611.1 | 8540.0 | 8421.6 | 8128.5 | 7755.9 | 7469.1 | 7116.2 |
| 72.5° | 6433.7 | 6522.7 | 6564.6 | 6747.8 | 6749.9 | 6620.0 | 6536.3 | 6374.1 | 6073.6 | 5870.5 | 5601.5 |
| 75° | 3757.0 | 3561.2 | 3353.0 | 3171.8 | 3024.3 | 2962.5 | 2688.2 | 2642.2 | 2458.0 | 2343.8 | 2176.3 |
| 77.5° | 1549.3 | 1374.4 | 1149.4 | 962.1 | 776.7 | 693.0 | 571.5 | 518.1 | 449.1 | 418.7 | 398.8 |
| 80° | 1328.4 | 1163.0 | 993.4 | 831.2 | 686.7 | 542.2 | 421.9 | 327.6 | 257.5 | 218.8 | 203.1 |
| 82.5° | 1084.5 | 985.0 | 866.8 | 778.8 | 665.8 | 558.0 | 471.1 | 365.3 | 273.2 | 201.0 | 153.9 |
| 85° | 391.5 | 321.4 | 258.6 | 237.6 | 189.5 | 156.0 | 130.9 | 112.0 | 92.1 | 73.3 | 64.9 |
| 87.5° | 44.0 | 41.9 | 24.1 | 23.1 | 26.1 | 18.9 | 22.0 | 19.9 | 16.7 | 14.7 | 15.7 |
| 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: P180486

CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 | 998.7 |
| 2.5° | 1001.8 | 1001.8 | 1002.9 | 1002.9 | 1003.9 | 1004.9 | 1007.1 | 1006.0 | 1006.0 | 1007.1 | 1007.1 |
| 5° | 1030.1 | 1033.2 | 1032.2 | 1032.2 | 1032.2 | 1033.2 | 1034.2 | 1030.1 | 1025.9 | 1021.7 | 1019.6 |
| 7.5° | 1079.3 | 1081.4 | 1083.4 | 1081.4 | 1083.4 | 1082.4 | 1080.3 | 1068.8 | 1055.2 | 1038.4 | 1026.9 |
| 10° | 1143.2 | 1143.2 | 1145.2 | 1144.2 | 1148.4 | 1145.2 | 1138.9 | 1112.8 | 1083.4 | 1047.8 | 1021.7 |
| 12.5° | 1212.2 | 1219.5 | 1216.4 | 1217.4 | 1225.9 | 1217.4 | 1202.8 | 1164.1 | 1111.7 | 1054.1 | 1008.1 |
| 15° | 1293.9 | 1297.0 | 1299.1 | 1295.9 | 1301.2 | 1293.9 | 1267.7 | 1206.0 | 1129.5 | 1048.9 | 980.8 |
| 17.5° | 1360.8 | 1361.9 | 1363.0 | 1365.0 | 1372.4 | 1364.0 | 1319.0 | 1235.3 | 1133.7 | 1024.8 | 934.8 |
| 20° | 1413.2 | 1418.4 | 1422.6 | 1422.6 | 1433.1 | 1420.6 | 1360.8 | 1249.9 | 1120.1 | 985.0 | 876.2 |
| 22.5° | 1467.6 | 1471.8 | 1477.0 | 1478.1 | 1491.7 | 1479.2 | 1395.5 | 1246.8 | 1084.5 | 928.6 | 808.1 |
| 25° | 1534.6 | 1538.8 | 1543.0 | 1548.3 | 1567.1 | 1549.3 | 1430.0 | 1234.2 | 1035.3 | 861.5 | 734.9 |
| 27.5° | 1612.1 | 1621.5 | 1624.7 | 1633.0 | 1655.0 | 1627.8 | 1459.3 | 1215.4 | 980.8 | 784.1 | 657.4 |
| 30° | 1715.7 | 1727.3 | 1731.5 | 1743.0 | 1773.3 | 1713.7 | 1476.0 | 1182.9 | 911.8 | 705.6 | 574.7 |
| 32.5° | 1855.0 | 1870.6 | 1883.3 | 1895.8 | 1930.3 | 1799.5 | 1478.1 | 1135.8 | 831.2 | 617.6 | 495.2 |
| 35° | 2037.1 | 2061.2 | 2070.6 | 2079.0 | 2111.5 | 1892.7 | 1468.7 | 1065.7 | 732.7 | 527.6 | 432.4 |
| 37.5° | 2241.2 | 2265.3 | 2271.5 | 2275.7 | 2282.1 | 1972.2 | 1445.7 | 958.9 | 621.8 | 449.1 | 382.0 |
| 40° | 2492.5 | 2513.4 | 2521.8 | 2515.5 | 2482.0 | 2034.0 | 1394.3 | 834.3 | 514.0 | 395.7 | 350.7 |
| 42.5° | 2799.2 | 2830.6 | 2833.7 | 2805.5 | 2694.5 | 2068.5 | 1291.7 | 687.7 | 429.2 | 356.9 | 326.6 |
| 45° | 3179.2 | 3177.0 | 3159.3 | 3139.4 | 2925.9 | 2054.9 | 1148.4 | 560.0 | 375.8 | 326.6 | 304.7 |
| 47.5° | 3520.5 | 3484.9 | 3457.6 | 3399.0 | 3130.0 | 1975.4 | 963.1 | 463.7 | 343.4 | 303.5 | 285.8 |
| 50° | 3799.9 | 3735.0 | 3677.5 | 3613.6 | 3281.8 | 1834.1 | 778.8 | 393.6 | 313.0 | 283.7 | 268.0 |
| 52.5° | 4020.9 | 3942.3 | 3875.3 | 3812.5 | 3428.3 | 1677.0 | 638.5 | 342.3 | 283.7 | 263.8 | 248.1 |
| 55° | 4366.3 | 4287.7 | 4181.0 | 4111.9 | 3652.3 | 1532.6 | 547.4 | 301.5 | 255.4 | 242.9 | 227.2 |
| 57.5° | 5240.4 | 5171.3 | 5043.6 | 4864.6 | 4228.1 | 1478.1 | 496.2 | 270.0 | 232.4 | 225.0 | 212.5 |
| 60° | 6766.6 | 6654.6 | 6488.1 | 6306.0 | 5398.5 | 1514.7 | 455.4 | 248.1 | 216.7 | 210.4 | 201.0 |
| 62.5° | 7918.1 | 7721.3 | 7532.9 | 7364.3 | 6334.3 | 1513.7 | 402.0 | 231.4 | 205.2 | 202.0 | 192.7 |
| 65° | 7965.3 | 7765.3 | 7575.8 | 7398.9 | 6355.2 | 1347.3 | 339.2 | 216.7 | 203.1 | 202.0 | 186.3 |
| 67.5° | 7542.3 | 7325.6 | 7142.5 | 6919.5 | 5883.1 | 1053.1 | 272.2 | 207.3 | 211.4 | 209.4 | 184.3 |
| 70° | 6851.4 | 6568.8 | 6418.0 | 6198.2 | 5177.5 | 736.9 | 224.0 | 210.4 | 229.2 | 223.0 | 187.3 |
| 72.5° | 5377.5 | 5163.9 | 4934.7 | 4781.9 | 4053.2 | 465.9 | 188.5 | 212.5 | 236.6 | 226.1 | 195.7 |
| 75° | 2001.5 | 2059.1 | 1964.8 | 1931.4 | 2059.1 | 273.2 | 167.5 | 197.9 | 211.4 | 195.7 | 178.0 |
| 77.5° | 404.1 | 386.2 | 366.4 | 362.2 | 467.9 | 168.6 | 153.9 | 171.7 | 162.2 | 143.4 | 144.5 |
| 80° | 193.7 | 188.5 | 182.1 | 181.1 | 173.8 | 140.3 | 142.3 | 146.5 | 122.5 | 111.0 | 118.3 |
| 82.5° | 128.7 | 121.4 | 119.3 | 115.2 | 117.2 | 125.6 | 135.1 | 125.6 | 94.2 | 87.9 | 106.8 |
| 85° | 59.6 | 57.6 | 56.6 | 56.6 | 62.8 | 113.0 | 112.0 | 92.1 | 64.9 | 62.8 | 106.8 |
| 87.5° | 14.7 | 14.7 | 15.7 | 14.7 | 16.7 | 33.5 | 29.3 | 28.3 | 24.1 | 27.3 | 50.2 |
| 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: P180486

CATALOG NUMBER: ICM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|--------|--------|--------|
| 0° | 998.7 | 998.7 | 998.7 |
| 2.5° | 1006.0 | 1007.1 | 1006.0 |
| 5° | 1015.4 | 1015.4 | 1015.4 |
| 7.5° | 1015.4 | 1012.3 | 1011.3 |
| 10° | 1000.8 | 991.4 | 991.4 |
| 12.5° | 975.6 | 959.9 | 957.9 |
| 15° | 928.6 | 907.6 | 904.5 |
| 17.5° | 868.8 | 840.6 | 835.4 |
| 20° | 801.9 | 766.2 | 760.0 |
| 22.5° | 728.6 | 687.7 | 684.7 |
| 25° | 656.4 | 614.5 | 606.1 |
| 27.5° | 575.7 | 534.9 | 530.7 |
| 30° | 495.2 | 459.5 | 457.5 |
| 32.5° | 427.1 | 405.1 | 400.9 |
| 35° | 379.0 | 366.4 | 361.1 |
| 37.5° | 347.5 | 338.1 | 337.1 |
| 40° | 323.4 | 315.1 | 314.0 |
| 42.5° | 303.5 | 296.3 | 295.2 |
| 45° | 283.7 | 277.4 | 275.4 |
| 47.5° | 263.8 | 257.5 | 256.5 |
| 50° | 246.0 | 237.6 | 236.6 |
| 52.5° | 229.2 | 220.8 | 218.8 |
| 55° | 213.6 | 205.2 | 205.2 |
| 57.5° | 199.9 | 191.5 | 190.5 |
| 60° | 187.3 | 179.0 | 178.0 |
| 62.5° | 178.0 | 167.5 | 166.4 |
| 65° | 170.6 | 160.2 | 158.0 |
| 67.5° | 166.4 | 153.9 | 150.7 |
| 70° | 173.8 | 150.7 | 145.5 |
| 72.5° | 174.8 | 147.6 | 140.3 |
| 75° | 168.6 | 139.3 | 134.0 |
| 77.5° | 147.6 | 124.6 | 119.3 |
| 80° | 127.7 | 96.3 | 89.0 |
| 82.5° | 121.4 | 78.5 | 68.0 |
| 85° | 94.2 | 51.3 | 48.2 |
| 87.5° | 53.4 | 28.3 | 23.1 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)