

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: P180426

Luminaire Tested: **ICS-E02-LED-E1-SL2-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180426
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E02-LED-E1-SL2-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2785.7 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

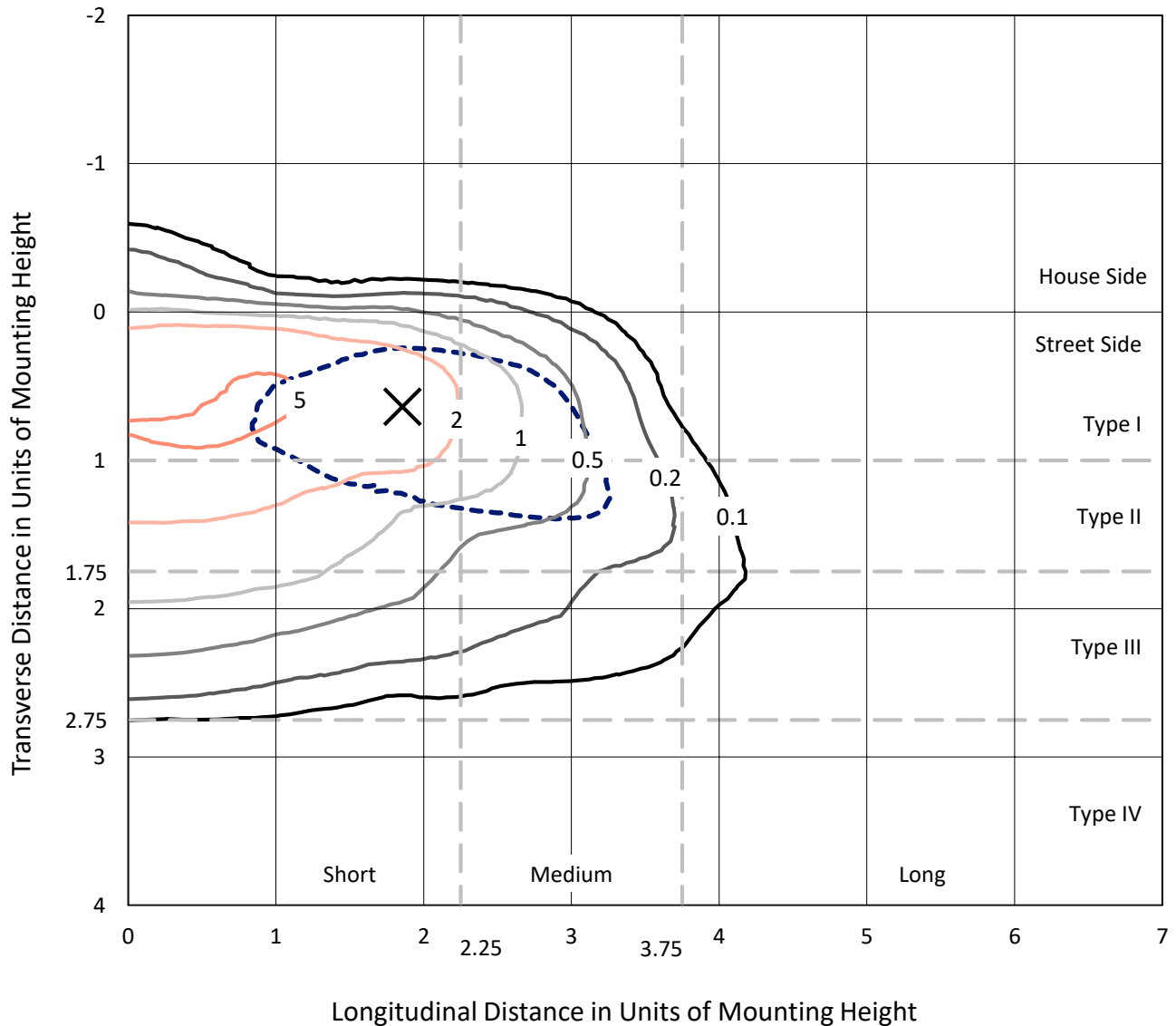
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

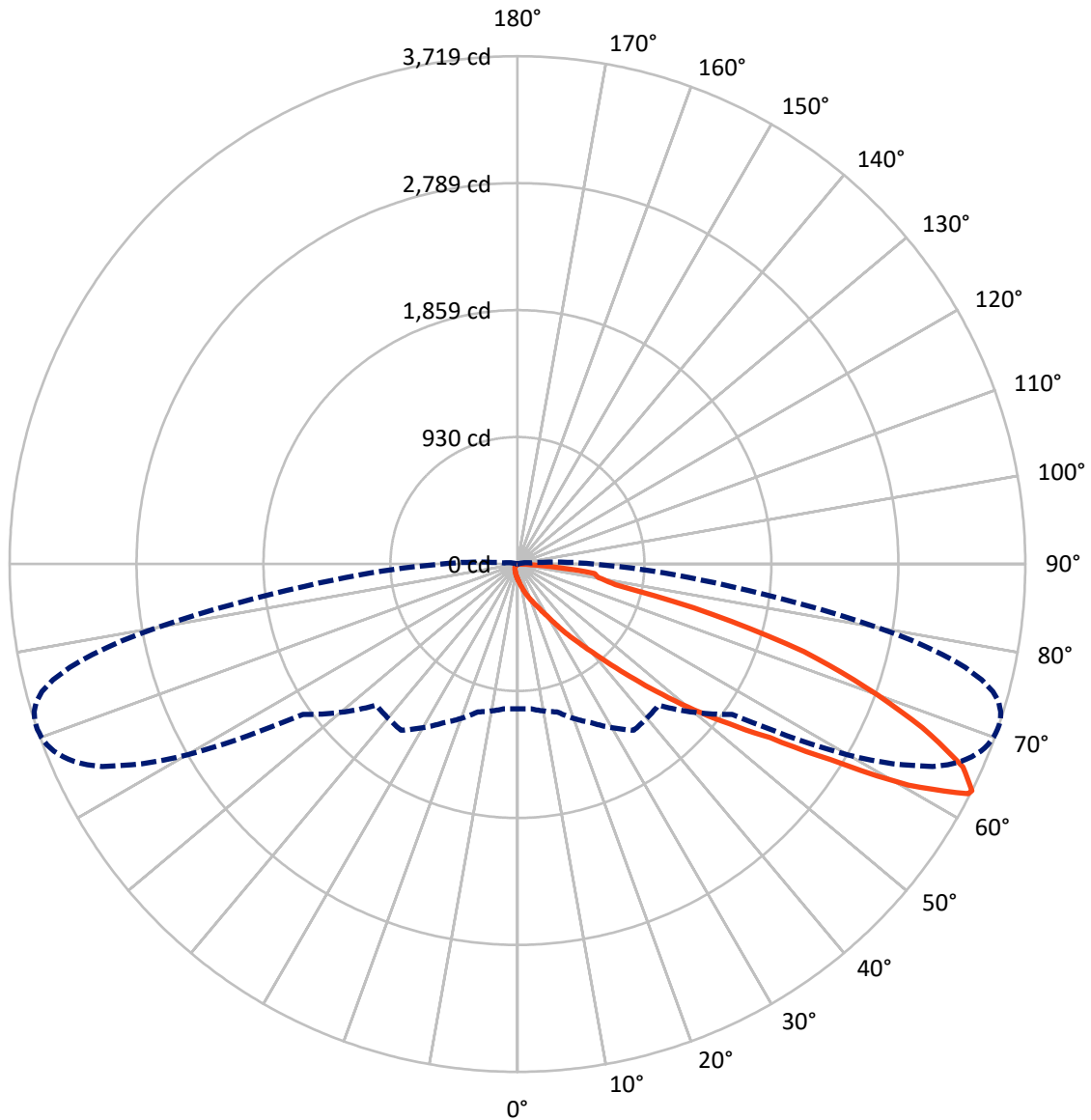
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 59.1 | 0.0 | 59.1 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 2726.5 | 0.0 | 2726.5 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 2785.7 | 0.0 | 2785.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.8 | 0.4 |
| 10°-20° | 45.8 | 1.6 |
| 20°-30° | 93.0 | 3.3 |
| 30°-40° | 227.3 | 8.2 |
| 40°-50° | 508.3 | 18.2 |
| 50°-60° | 714.8 | 25.7 |
| 60°-70° | 840.5 | 30.2 |
| 70°-80° | 303.5 | 10.9 |
| 80°-90° | 40.6 | 1.5 |
| 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° | 2785.7 | 100.0 |
| 0°-180° | 2785.7 | 100.0 |



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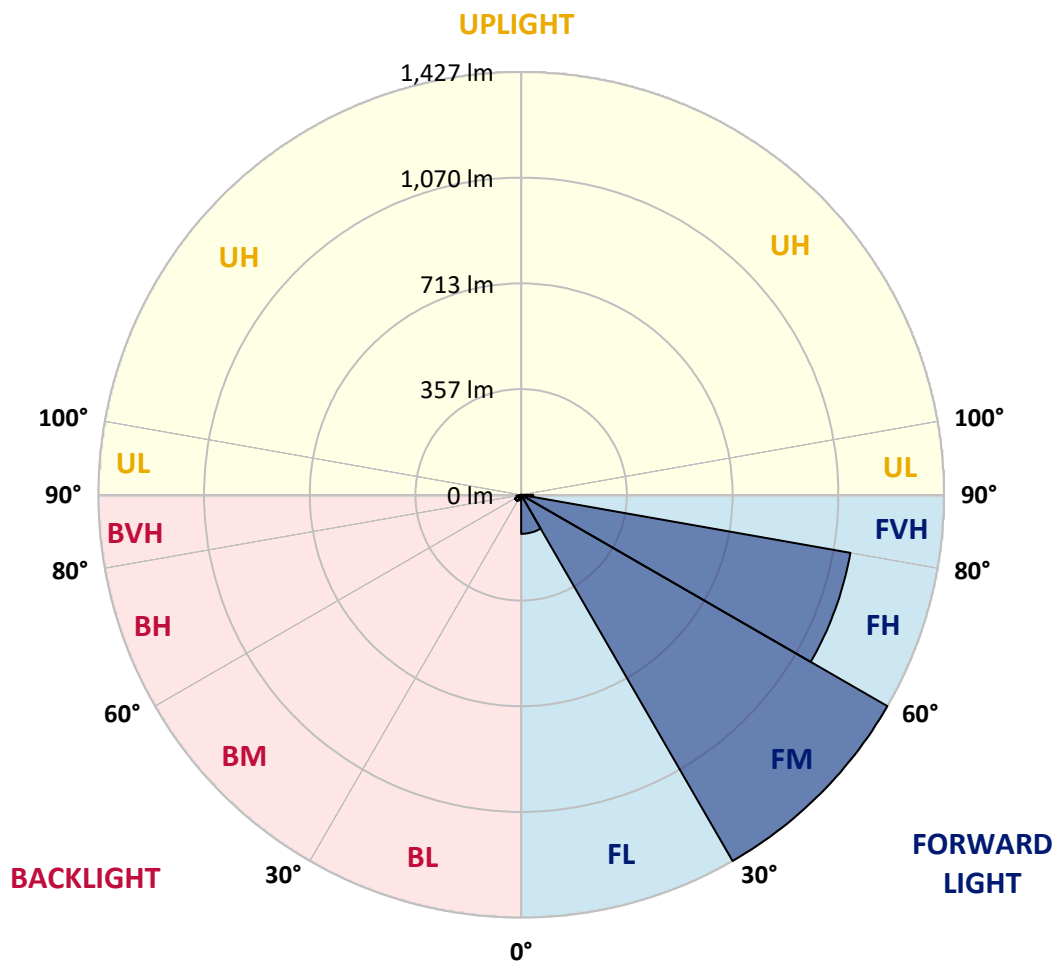
CATALOG NUMBER: ICS-E02-LED-E1-SL2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 131.6 | 4.7 | | | |
| FM | (30°-60°) | 1426.6 | 51.2 | | | |
| FH | (60°-80°) | 1127.8 | 40.5 | | | G1/1800 |
| FVH | (80°-90°) | 40.5 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 19.0 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 23.8 | 0.9 | B0/220 | | |
| BH | (60°-80°) | 16.2 | 0.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.1 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type II Short





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CATALOG NUMBER: ICS-E02-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 |
| 2.5° | 139.8 | 141.3 | 140.3 | 137.7 | 134.7 | 130.7 | 127.1 | 127.1 | 126.6 | 125.1 | 125.6 |
| 5° | 183.3 | 183.8 | 181.8 | 175.7 | 170.2 | 161.5 | 151.9 | 150.9 | 149.9 | 148.4 | 147.9 |
| 7.5° | 225.9 | 227.9 | 225.9 | 219.3 | 208.1 | 195.0 | 179.8 | 178.3 | 175.2 | 175.2 | 173.2 |
| 10° | 269.4 | 269.4 | 267.4 | 259.8 | 249.7 | 230.9 | 211.7 | 209.2 | 205.6 | 204.6 | 201.6 |
| 12.5° | 300.3 | 300.3 | 299.3 | 295.2 | 287.1 | 270.4 | 247.1 | 244.6 | 240.0 | 238.5 | 235.0 |
| 15° | 312.5 | 312.5 | 313.0 | 316.5 | 317.0 | 309.4 | 285.1 | 283.1 | 278.5 | 274.5 | 273.0 |
| 17.5° | 320.1 | 319.6 | 319.6 | 324.6 | 333.7 | 338.8 | 323.1 | 321.1 | 316.0 | 314.0 | 308.9 |
| 20° | 336.8 | 335.8 | 332.7 | 332.7 | 341.3 | 359.1 | 359.1 | 358.5 | 353.0 | 351.5 | 348.9 |
| 22.5° | 361.6 | 360.6 | 351.5 | 343.9 | 347.9 | 370.2 | 391.0 | 389.9 | 387.9 | 385.9 | 384.4 |
| 25° | 402.1 | 398.6 | 382.9 | 360.6 | 357.0 | 380.8 | 415.3 | 417.8 | 419.3 | 419.3 | 420.3 |
| 27.5° | 463.4 | 458.8 | 431.0 | 389.4 | 373.7 | 398.0 | 442.1 | 447.2 | 451.7 | 452.7 | 457.3 |
| 30° | 548.5 | 540.4 | 500.3 | 439.6 | 403.6 | 423.4 | 481.6 | 487.2 | 493.8 | 495.8 | 502.9 |
| 32.5° | 688.2 | 683.7 | 645.2 | 554.0 | 477.0 | 473.0 | 536.8 | 543.9 | 552.5 | 556.1 | 564.7 |
| 35° | 900.9 | 901.9 | 870.5 | 788.5 | 682.2 | 626.4 | 635.6 | 641.6 | 644.7 | 655.3 | 659.9 |
| 37.5° | 1045.3 | 1047.8 | 1054.9 | 1022.5 | 946.5 | 889.8 | 818.4 | 825.0 | 809.3 | 810.8 | 811.3 |
| 40° | 1124.3 | 1132.4 | 1173.9 | 1205.3 | 1199.2 | 1166.3 | 1109.1 | 1112.6 | 1083.2 | 1076.7 | 1044.7 |
| 42.5° | 1176.9 | 1187.6 | 1253.9 | 1351.1 | 1400.8 | 1430.6 | 1417.5 | 1416.0 | 1393.2 | 1384.6 | 1357.7 |
| 45° | 1209.8 | 1219.5 | 1303.0 | 1446.3 | 1560.8 | 1647.9 | 1683.9 | 1687.9 | 1668.7 | 1660.1 | 1637.8 |
| 47.5° | 1208.3 | 1219.5 | 1309.1 | 1481.8 | 1650.4 | 1789.7 | 1891.0 | 1896.0 | 1907.7 | 1900.1 | 1901.6 |
| 50° | 1141.5 | 1152.1 | 1242.3 | 1421.5 | 1624.1 | 1854.5 | 2039.9 | 2056.1 | 2074.8 | 2087.5 | 2093.5 |
| 52.5° | 1060.4 | 1068.0 | 1148.1 | 1318.2 | 1511.7 | 1827.7 | 2128.0 | 2155.8 | 2183.7 | 2207.5 | 2224.2 |
| 55° | 1030.6 | 1039.2 | 1102.0 | 1243.3 | 1421.5 | 1715.3 | 2169.0 | 2210.0 | 2249.5 | 2288.5 | 2320.4 |
| 57.5° | 1046.3 | 1054.4 | 1099.4 | 1207.8 | 1367.8 | 1596.7 | 2180.7 | 2244.5 | 2309.3 | 2372.6 | 2435.4 |
| 60° | 1104.0 | 1112.6 | 1151.1 | 1240.7 | 1353.7 | 1528.4 | 2135.1 | 2240.9 | 2348.8 | 2459.2 | 2563.0 |
| 62.5° | 1081.2 | 1084.8 | 1141.5 | 1298.5 | 1455.0 | 1470.1 | 1969.5 | 2117.4 | 2281.9 | 2452.1 | 2619.7 |
| 63° | 1059.4 | 1063.5 | 1121.2 | 1282.8 | 1485.8 | 1461.5 | 1918.3 | 2074.3 | 2248.0 | 2431.3 | 2613.6 |
| 65° | 960.7 | 961.2 | 1005.2 | 1132.9 | 1451.4 | 1476.7 | 1690.4 | 1839.3 | 2038.9 | 2258.6 | 2489.1 |
| 67.5° | 717.1 | 713.5 | 756.1 | 853.3 | 1139.4 | 1477.2 | 1450.9 | 1534.5 | 1673.2 | 1868.2 | 2074.8 |
| 70° | 254.2 | 248.7 | 317.5 | 452.2 | 710.0 | 1208.3 | 1246.8 | 1252.4 | 1290.9 | 1396.2 | 1525.8 |
| 72.5° | 82.5 | 84.1 | 101.3 | 165.6 | 327.1 | 813.3 | 1128.8 | 1111.6 | 1101.5 | 1101.0 | 1118.2 |
| 75° | 32.9 | 33.4 | 40.5 | 73.4 | 146.9 | 392.0 | 988.5 | 998.2 | 1001.7 | 1006.8 | 1012.3 |
| 77.5° | 15.7 | 17.2 | 22.8 | 41.0 | 72.9 | 194.0 | 707.5 | 789.0 | 835.6 | 871.6 | 893.3 |
| 80° | 5.6 | 6.6 | 12.7 | 25.3 | 33.9 | 89.1 | 372.7 | 449.7 | 518.1 | 606.2 | 682.2 |
| 82.5° | 0.0 | 0.0 | 2.5 | 17.7 | 18.7 | 36.0 | 152.9 | 179.3 | 205.1 | 265.9 | 341.3 |
| 85° | 0.0 | 0.0 | 0.0 | 5.1 | 5.6 | 6.1 | 51.7 | 62.3 | 69.9 | 81.5 | 94.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.5 | 3.0 | 7.6 | 11.6 |
| 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):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 |
| 2.5° | 124.6 | 124.1 | 124.1 | 123.1 | 122.6 | 121.5 | 121.0 | 119.5 | 119.0 | 119.0 | 119.0 |
| 5° | 147.4 | 145.3 | 144.3 | 141.8 | 140.3 | 139.8 | 137.2 | 136.2 | 134.7 | 135.2 | 132.7 |
| 7.5° | 172.7 | 169.1 | 167.6 | 164.1 | 163.1 | 159.5 | 158.5 | 156.0 | 154.5 | 151.4 | 150.4 |
| 10° | 200.5 | 196.0 | 193.5 | 187.9 | 186.4 | 183.8 | 180.8 | 177.8 | 175.2 | 172.2 | 170.7 |
| 12.5° | 232.4 | 228.4 | 226.4 | 218.8 | 215.2 | 211.7 | 207.6 | 203.6 | 199.5 | 197.0 | 193.5 |
| 15° | 269.9 | 263.3 | 261.3 | 254.2 | 248.1 | 243.6 | 238.0 | 233.0 | 229.9 | 224.9 | 221.3 |
| 17.5° | 306.9 | 300.3 | 298.8 | 288.2 | 281.6 | 278.5 | 272.5 | 265.9 | 260.3 | 255.2 | 249.7 |
| 20° | 343.9 | 339.3 | 335.3 | 325.1 | 318.0 | 313.0 | 304.9 | 298.3 | 293.7 | 286.6 | 279.5 |
| 22.5° | 380.8 | 376.3 | 373.2 | 362.6 | 356.0 | 348.9 | 341.8 | 334.7 | 328.2 | 319.6 | 311.4 |
| 25° | 418.8 | 415.8 | 414.3 | 404.6 | 398.6 | 392.0 | 384.9 | 376.8 | 368.7 | 359.1 | 350.4 |
| 27.5° | 458.3 | 459.3 | 456.3 | 454.3 | 447.7 | 443.1 | 432.0 | 426.4 | 420.3 | 408.7 | 398.0 |
| 30° | 508.4 | 511.5 | 510.5 | 512.0 | 507.9 | 504.9 | 496.3 | 489.2 | 482.1 | 471.0 | 458.8 |
| 32.5° | 571.8 | 575.8 | 577.8 | 583.4 | 581.4 | 580.4 | 577.8 | 567.7 | 562.6 | 543.4 | 538.3 |
| 35° | 669.5 | 667.5 | 676.1 | 680.6 | 678.6 | 677.6 | 674.6 | 669.0 | 662.9 | 649.2 | 636.6 |
| 37.5° | 796.6 | 798.6 | 801.7 | 792.6 | 786.5 | 786.0 | 776.9 | 771.3 | 762.7 | 747.5 | 732.3 |
| 40° | 1029.6 | 1016.9 | 1002.7 | 964.2 | 947.5 | 937.9 | 911.1 | 903.5 | 888.8 | 868.0 | 852.3 |
| 42.5° | 1332.4 | 1319.7 | 1277.2 | 1212.9 | 1178.4 | 1130.8 | 1109.1 | 1082.2 | 1061.5 | 1027.5 | 1009.3 |
| 45° | 1633.2 | 1596.7 | 1591.7 | 1516.7 | 1474.2 | 1411.4 | 1372.4 | 1327.3 | 1280.2 | 1235.7 | 1203.3 |
| 47.5° | 1886.9 | 1878.8 | 1854.0 | 1808.4 | 1768.9 | 1716.3 | 1666.1 | 1596.7 | 1548.1 | 1484.8 | 1426.6 |
| 50° | 2090.0 | 2089.5 | 2080.4 | 2054.0 | 2021.1 | 1978.6 | 1934.5 | 1875.8 | 1820.6 | 1743.1 | 1680.8 |
| 52.5° | 2241.9 | 2250.0 | 2253.1 | 2245.0 | 2232.3 | 2194.8 | 2172.6 | 2123.4 | 2076.8 | 2011.0 | 1943.6 |
| 55° | 2353.3 | 2383.2 | 2398.4 | 2415.6 | 2412.1 | 2398.9 | 2397.9 | 2366.0 | 2344.7 | 2292.6 | 2245.0 |
| 57.5° | 2491.1 | 2540.2 | 2587.3 | 2670.9 | 2673.9 | 2703.3 | 2718.5 | 2733.7 | 2737.7 | 2717.0 | 2701.3 |
| 60° | 2666.3 | 2766.6 | 2855.7 | 3030.4 | 3076.0 | 3147.9 | 3194.5 | 3245.2 | 3288.2 | 3291.7 | 3290.7 |
| 62.5° | 2789.9 | 2944.3 | 3088.2 | 3347.5 | 3436.1 | 3519.1 | 3581.4 | 3630.5 | 3660.4 | 3690.8 | 3705.0 |
| 63° | 2793.4 | 2962.6 | 3115.5 | 3382.9 | 3476.1 | 3555.1 | 3614.3 | 3659.9 | 3691.3 | 3709.5 | 3718.7 |
| 65° | 2707.8 | 2912.9 | 3095.3 | 3361.6 | 3449.2 | 3528.7 | 3559.6 | 3589.5 | 3604.7 | 3611.8 | 3585.0 |
| 67.5° | 2295.1 | 2495.6 | 2708.3 | 3006.1 | 3081.1 | 3176.3 | 3201.6 | 3216.8 | 3223.9 | 3222.4 | 3199.6 |
| 70° | 1716.3 | 1884.4 | 2120.9 | 2461.2 | 2560.5 | 2653.7 | 2711.4 | 2736.2 | 2744.3 | 2741.8 | 2707.8 |
| 72.5° | 1198.2 | 1296.9 | 1491.9 | 1870.7 | 2005.9 | 2125.5 | 2196.9 | 2233.8 | 2241.4 | 2226.2 | 2194.8 |
| 75° | 1006.3 | 1011.3 | 1055.4 | 1262.5 | 1389.1 | 1516.7 | 1597.3 | 1620.6 | 1605.4 | 1559.3 | 1479.3 |
| 77.5° | 898.4 | 909.5 | 909.5 | 940.4 | 965.2 | 1000.7 | 1008.3 | 951.6 | 885.7 | 800.7 | 731.8 |
| 80° | 753.6 | 792.6 | 819.9 | 842.7 | 845.2 | 838.1 | 819.4 | 787.5 | 736.8 | 672.0 | 600.1 |
| 82.5° | 457.8 | 534.8 | 566.2 | 683.7 | 741.4 | 780.4 | 777.4 | 734.8 | 696.3 | 629.0 | 567.7 |
| 85° | 115.5 | 124.6 | 135.2 | 175.7 | 197.0 | 240.6 | 267.9 | 280.6 | 285.1 | 261.8 | 237.0 |
| 87.5° | 11.1 | 7.6 | 12.7 | 9.6 | 13.7 | 10.1 | 13.7 | 12.7 | 15.7 | 16.7 | 18.2 |
| 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: ICS-E02-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 |
| 2.5° | 118.0 | 117.5 | 117.0 | 116.5 | 116.0 | 115.5 | 114.5 | 114.5 | 113.4 | 112.9 | 112.4 |
| 5° | 131.2 | 130.2 | 129.6 | 128.6 | 127.1 | 126.1 | 124.6 | 122.6 | 121.0 | 120.5 | 119.5 |
| 7.5° | 147.9 | 145.3 | 144.3 | 142.8 | 140.8 | 137.7 | 135.7 | 134.2 | 131.7 | 130.2 | 127.1 |
| 10° | 166.6 | 164.1 | 161.0 | 158.0 | 155.0 | 151.4 | 148.9 | 146.9 | 142.8 | 140.8 | 137.2 |
| 12.5° | 190.4 | 185.9 | 182.3 | 178.3 | 174.2 | 170.2 | 167.1 | 161.0 | 157.5 | 152.9 | 149.9 |
| 15° | 214.7 | 210.7 | 206.6 | 201.6 | 195.5 | 188.9 | 185.9 | 180.3 | 175.7 | 168.6 | 164.6 |
| 17.5° | 244.1 | 236.5 | 230.4 | 224.3 | 218.8 | 212.7 | 206.6 | 198.0 | 191.4 | 185.4 | 177.2 |
| 20° | 273.0 | 263.8 | 257.3 | 249.2 | 241.1 | 231.4 | 224.3 | 218.3 | 209.2 | 201.0 | 192.4 |
| 22.5° | 303.9 | 294.7 | 284.1 | 276.0 | 264.9 | 257.3 | 247.6 | 237.5 | 228.4 | 217.8 | 207.1 |
| 25° | 341.3 | 331.7 | 319.6 | 308.9 | 296.3 | 285.6 | 274.0 | 262.3 | 251.2 | 239.0 | 225.4 |
| 27.5° | 387.4 | 377.3 | 364.1 | 351.5 | 334.7 | 321.6 | 310.4 | 294.7 | 280.6 | 265.4 | 249.7 |
| 30° | 445.7 | 434.5 | 418.3 | 400.1 | 383.4 | 368.7 | 353.0 | 332.2 | 316.5 | 298.3 | 278.0 |
| 32.5° | 521.6 | 508.4 | 486.7 | 469.5 | 448.7 | 429.4 | 407.7 | 386.9 | 364.6 | 340.8 | 317.5 |
| 35° | 617.3 | 605.2 | 579.9 | 554.5 | 531.7 | 509.0 | 481.6 | 457.8 | 426.4 | 397.5 | 367.7 |
| 37.5° | 716.6 | 694.8 | 671.5 | 644.2 | 615.8 | 588.5 | 555.0 | 522.1 | 486.2 | 454.8 | 417.3 |
| 40° | 830.0 | 803.7 | 784.4 | 755.1 | 715.1 | 676.1 | 645.2 | 604.2 | 559.1 | 517.1 | 473.0 |
| 42.5° | 985.5 | 956.1 | 921.7 | 877.1 | 848.3 | 802.7 | 762.7 | 714.1 | 654.8 | 607.7 | 554.5 |
| 45° | 1165.3 | 1125.3 | 1091.8 | 1048.8 | 1013.9 | 957.1 | 910.5 | 845.7 | 786.5 | 724.7 | 659.9 |
| 47.5° | 1370.4 | 1320.7 | 1272.1 | 1229.6 | 1173.9 | 1118.2 | 1058.9 | 990.1 | 914.1 | 846.2 | 769.3 |
| 50° | 1605.9 | 1535.5 | 1468.1 | 1413.4 | 1337.0 | 1272.6 | 1208.3 | 1130.8 | 1046.8 | 968.8 | 881.2 |
| 52.5° | 1867.7 | 1786.2 | 1697.0 | 1613.0 | 1524.3 | 1441.8 | 1364.3 | 1275.2 | 1181.5 | 1086.3 | 988.5 |
| 55° | 2183.7 | 2122.4 | 2017.6 | 1910.7 | 1792.2 | 1681.8 | 1582.1 | 1471.7 | 1357.7 | 1232.6 | 1129.8 |
| 57.5° | 2678.5 | 2648.6 | 2561.0 | 2454.1 | 2299.7 | 2165.5 | 1996.3 | 1861.1 | 1696.0 | 1523.8 | 1391.1 |
| 60° | 3349.0 | 3312.0 | 3262.9 | 3176.3 | 3053.7 | 2871.4 | 2685.0 | 2474.9 | 2223.7 | 1985.2 | 1758.8 |
| 62.5° | 3706.5 | 3693.3 | 3653.3 | 3593.6 | 3479.1 | 3335.3 | 3147.4 | 2916.5 | 2632.9 | 2343.2 | 2054.6 |
| 63° | 3717.1 | 3700.4 | 3666.0 | 3605.2 | 3504.4 | 3365.2 | 3180.8 | 2956.5 | 2679.0 | 2383.7 | 2089.0 |
| 65° | 3573.3 | 3566.7 | 3531.8 | 3465.4 | 3396.6 | 3290.2 | 3147.4 | 2954.5 | 2721.5 | 2442.5 | 2149.3 |
| 67.5° | 3169.2 | 3149.4 | 3095.8 | 3075.5 | 3027.4 | 2953.5 | 2844.6 | 2711.9 | 2545.3 | 2326.0 | 2072.8 |
| 70° | 2680.5 | 2651.1 | 2583.8 | 2547.8 | 2489.1 | 2442.5 | 2376.1 | 2281.4 | 2178.6 | 2025.7 | 1836.8 |
| 72.5° | 2162.4 | 2101.7 | 2039.9 | 1946.2 | 1864.1 | 1781.1 | 1707.7 | 1640.8 | 1527.9 | 1466.1 | 1322.8 |
| 75° | 1404.3 | 1293.9 | 1188.1 | 1046.3 | 918.6 | 805.7 | 695.8 | 640.1 | 524.1 | 477.0 | 409.7 |
| 77.5° | 666.5 | 604.7 | 521.6 | 457.3 | 375.3 | 306.4 | 250.2 | 187.9 | 147.4 | 115.5 | 88.1 |
| 80° | 537.8 | 485.7 | 435.5 | 377.3 | 315.5 | 251.7 | 192.9 | 144.3 | 102.3 | 70.9 | 50.1 |
| 82.5° | 479.6 | 422.9 | 361.1 | 321.1 | 279.0 | 228.4 | 187.4 | 152.9 | 112.9 | 82.5 | 56.2 |
| 85° | 186.4 | 157.0 | 121.0 | 98.8 | 77.0 | 63.3 | 57.2 | 39.5 | 30.9 | 24.3 | 18.7 |
| 87.5° | 16.2 | 13.2 | 10.6 | 7.1 | 7.6 | 4.1 | 4.6 | 3.0 | 2.5 | 2.5 | 2.0 |
| 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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CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 |
| 2.5° | 111.9 | 111.4 | 110.9 | 109.9 | 109.9 | 108.9 | 108.4 | 107.9 | 105.3 | 99.8 | 95.2 |
| 5° | 117.5 | 116.5 | 115.5 | 113.9 | 112.9 | 111.4 | 110.4 | 108.9 | 103.3 | 92.7 | 83.6 |
| 7.5° | 125.6 | 123.6 | 122.0 | 119.0 | 117.5 | 115.5 | 113.9 | 111.4 | 102.3 | 86.1 | 73.4 |
| 10° | 135.2 | 131.7 | 129.1 | 125.6 | 122.6 | 120.0 | 117.5 | 113.9 | 101.3 | 79.0 | 64.3 |
| 12.5° | 146.9 | 142.8 | 137.7 | 133.7 | 129.6 | 126.1 | 122.6 | 118.0 | 99.8 | 72.9 | 57.2 |
| 15° | 158.5 | 152.4 | 148.9 | 143.3 | 137.7 | 132.7 | 127.6 | 123.6 | 100.3 | 66.3 | 51.1 |
| 17.5° | 171.7 | 165.6 | 158.0 | 151.9 | 145.8 | 139.3 | 133.2 | 125.1 | 97.7 | 61.3 | 46.6 |
| 20° | 184.3 | 175.7 | 168.6 | 161.0 | 152.4 | 144.3 | 136.7 | 129.6 | 95.7 | 56.2 | 42.5 |
| 22.5° | 198.0 | 187.9 | 178.8 | 169.1 | 158.5 | 149.4 | 140.3 | 131.2 | 92.2 | 51.7 | 39.0 |
| 25° | 214.7 | 203.1 | 189.9 | 178.3 | 167.1 | 156.0 | 144.3 | 133.2 | 88.6 | 47.6 | 36.5 |
| 27.5° | 235.0 | 219.8 | 206.6 | 191.9 | 176.2 | 162.1 | 149.4 | 137.2 | 85.1 | 44.6 | 33.9 |
| 30° | 260.8 | 243.1 | 224.3 | 205.6 | 188.9 | 172.7 | 155.0 | 139.8 | 81.5 | 41.5 | 31.4 |
| 32.5° | 295.2 | 273.0 | 250.2 | 228.4 | 206.1 | 185.4 | 166.6 | 146.9 | 79.5 | 39.0 | 28.9 |
| 35° | 340.8 | 312.0 | 284.1 | 256.8 | 229.9 | 204.6 | 180.3 | 158.0 | 79.5 | 36.0 | 25.8 |
| 37.5° | 383.9 | 350.4 | 315.0 | 281.1 | 249.2 | 219.8 | 190.9 | 164.1 | 75.5 | 33.4 | 23.3 |
| 40° | 430.5 | 390.5 | 348.9 | 308.9 | 270.4 | 234.0 | 201.0 | 170.2 | 71.9 | 30.4 | 20.8 |
| 42.5° | 501.9 | 451.2 | 397.0 | 350.4 | 304.4 | 259.3 | 218.3 | 181.8 | 67.4 | 27.3 | 18.2 |
| 45° | 595.6 | 531.2 | 467.4 | 410.7 | 352.0 | 296.8 | 248.1 | 203.1 | 66.3 | 24.8 | 15.7 |
| 47.5° | 695.8 | 619.9 | 544.9 | 472.5 | 403.6 | 339.3 | 281.1 | 226.9 | 66.3 | 22.3 | 13.7 |
| 50° | 795.6 | 700.4 | 620.4 | 536.3 | 458.8 | 382.9 | 313.5 | 251.7 | 66.8 | 20.3 | 11.1 |
| 52.5° | 885.7 | 783.9 | 694.3 | 597.1 | 511.5 | 423.4 | 347.9 | 276.0 | 65.8 | 17.7 | 9.1 |
| 55° | 1010.8 | 891.3 | 787.5 | 680.1 | 579.9 | 480.6 | 395.0 | 312.5 | 66.3 | 15.7 | 7.6 |
| 57.5° | 1241.2 | 1101.0 | 975.9 | 835.1 | 719.6 | 591.5 | 487.7 | 387.4 | 72.4 | 13.2 | 5.6 |
| 60° | 1571.9 | 1389.6 | 1213.9 | 1042.2 | 895.4 | 742.9 | 608.2 | 490.2 | 85.1 | 10.6 | 4.1 |
| 62.5° | 1794.3 | 1555.7 | 1346.1 | 1156.7 | 986.0 | 826.5 | 679.6 | 545.4 | 93.7 | 8.6 | 2.5 |
| 63° | 1817.0 | 1570.4 | 1359.7 | 1164.3 | 990.1 | 830.5 | 682.7 | 549.5 | 94.2 | 8.1 | 2.5 |
| 65° | 1860.1 | 1595.7 | 1367.3 | 1165.8 | 986.0 | 825.0 | 680.6 | 549.0 | 95.2 | 6.6 | 2.0 |
| 67.5° | 1811.0 | 1556.7 | 1323.3 | 1122.2 | 950.6 | 792.0 | 655.3 | 528.7 | 94.7 | 4.6 | 1.5 |
| 70° | 1619.5 | 1408.9 | 1203.8 | 1016.4 | 860.4 | 717.1 | 596.6 | 482.1 | 87.1 | 3.0 | 1.0 |
| 72.5° | 1189.1 | 1045.8 | 886.7 | 751.5 | 648.2 | 538.3 | 459.3 | 362.1 | 67.4 | 2.0 | 0.5 |
| 75° | 352.5 | 321.1 | 269.9 | 238.0 | 210.2 | 173.7 | 154.5 | 120.5 | 34.4 | 1.0 | 0.0 |
| 77.5° | 70.4 | 63.8 | 57.2 | 52.2 | 49.1 | 42.0 | 40.0 | 32.9 | 14.2 | 0.5 | 0.0 |
| 80° | 37.0 | 30.4 | 25.8 | 22.8 | 19.8 | 16.2 | 13.7 | 11.1 | 2.5 | 0.0 | 0.0 |
| 82.5° | 35.4 | 23.8 | 17.2 | 14.2 | 12.2 | 9.6 | 7.6 | 5.6 | 1.5 | 0.0 | 0.0 |
| 85° | 13.2 | 10.1 | 7.6 | 6.1 | 5.1 | 4.6 | 3.5 | 3.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.0 | 1.5 | 1.5 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 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: P180426

CATALOG NUMBER: ICS-E02-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 | 106.9 |
| 2.5° | 90.6 | 86.6 | 84.6 | 82.0 | 82.0 | 81.5 | 82.5 |
| 5° | 75.5 | 69.9 | 65.8 | 62.8 | 63.3 | 61.8 | 62.3 |
| 7.5° | 63.8 | 58.2 | 54.7 | 52.7 | 52.2 | 51.7 | 51.7 |
| 10° | 55.2 | 50.1 | 47.1 | 45.6 | 45.1 | 45.1 | 45.1 |
| 12.5° | 49.1 | 44.1 | 41.5 | 40.5 | 40.5 | 40.0 | 40.0 |
| 15° | 44.1 | 40.0 | 37.5 | 36.5 | 36.5 | 36.0 | 36.5 |
| 17.5° | 40.0 | 36.0 | 33.9 | 32.9 | 32.9 | 32.4 | 32.4 |
| 20° | 36.5 | 32.9 | 30.9 | 29.4 | 29.4 | 28.9 | 29.4 |
| 22.5° | 33.4 | 29.9 | 27.3 | 26.3 | 25.8 | 25.3 | 25.8 |
| 25° | 30.4 | 26.8 | 24.3 | 22.8 | 22.3 | 22.3 | 21.8 |
| 27.5° | 27.9 | 24.3 | 21.3 | 19.8 | 19.2 | 19.2 | 18.7 |
| 30° | 25.3 | 21.3 | 18.2 | 16.7 | 16.2 | 16.2 | 16.2 |
| 32.5° | 22.8 | 18.2 | 15.7 | 14.2 | 13.7 | 13.7 | 13.7 |
| 35° | 20.3 | 15.7 | 13.2 | 11.6 | 11.1 | 11.1 | 11.1 |
| 37.5° | 17.2 | 13.2 | 10.1 | 9.1 | 8.6 | 8.1 | 8.1 |
| 40° | 14.7 | 10.1 | 7.6 | 6.6 | 5.6 | 5.6 | 5.6 |
| 42.5° | 12.2 | 8.1 | 5.6 | 4.1 | 3.5 | 3.0 | 3.5 |
| 45° | 10.1 | 6.1 | 3.5 | 2.0 | 1.5 | 1.5 | 1.5 |
| 47.5° | 8.1 | 4.1 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 50° | 6.1 | 2.5 | 0.5 | 0.0 | 0.0 | 0.5 | 0.5 |
| 52.5° | 4.6 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 2.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)