

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: P149644

Luminaire Tested: **TMU-F03-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149644
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-F03-LED-E-U-SL2-HSS-7030
Description: TALON MEDIUM LED AREA LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4147.5 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

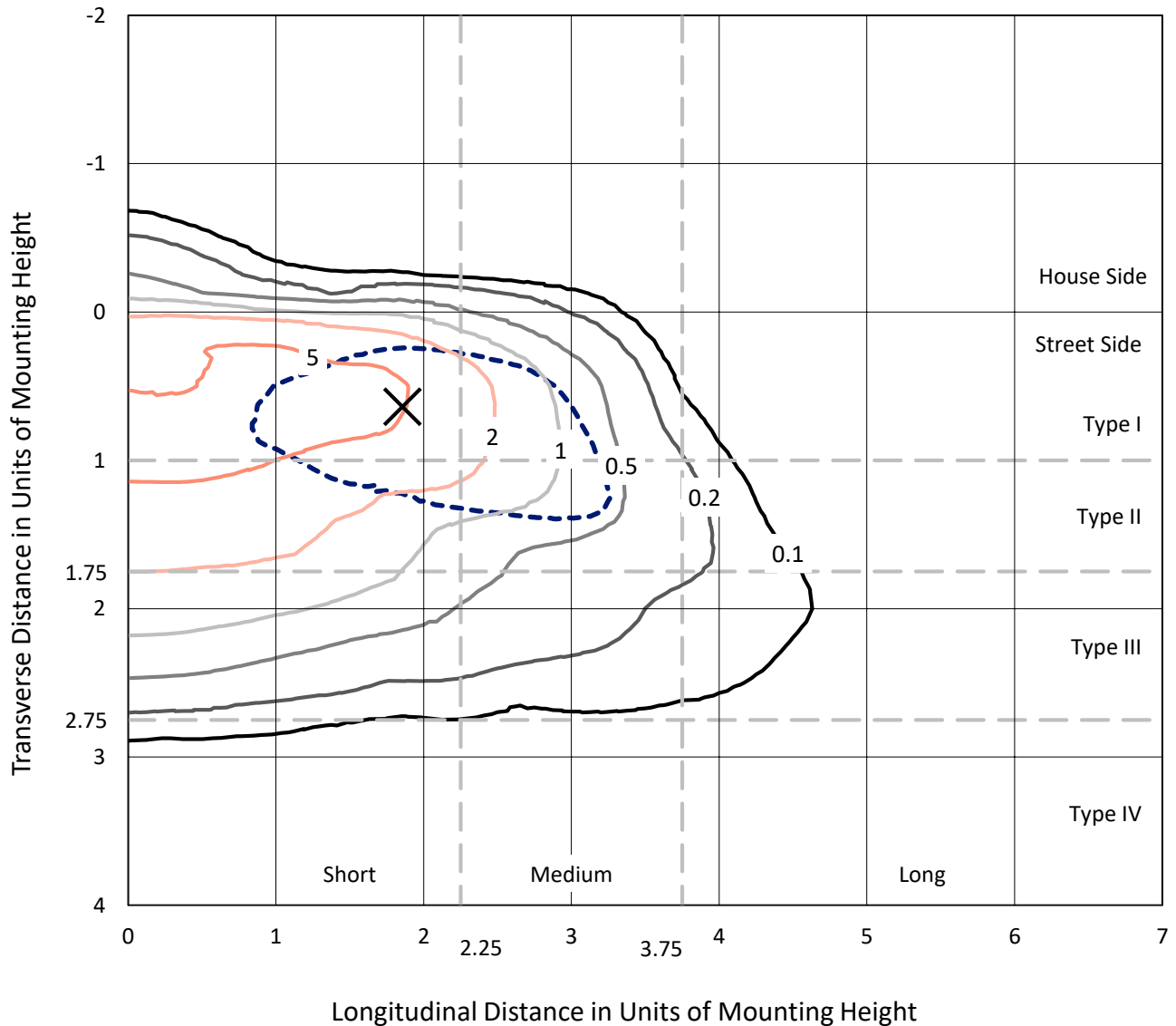
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P149644
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Iso-Footcandle Lines of Horizontal Illumination

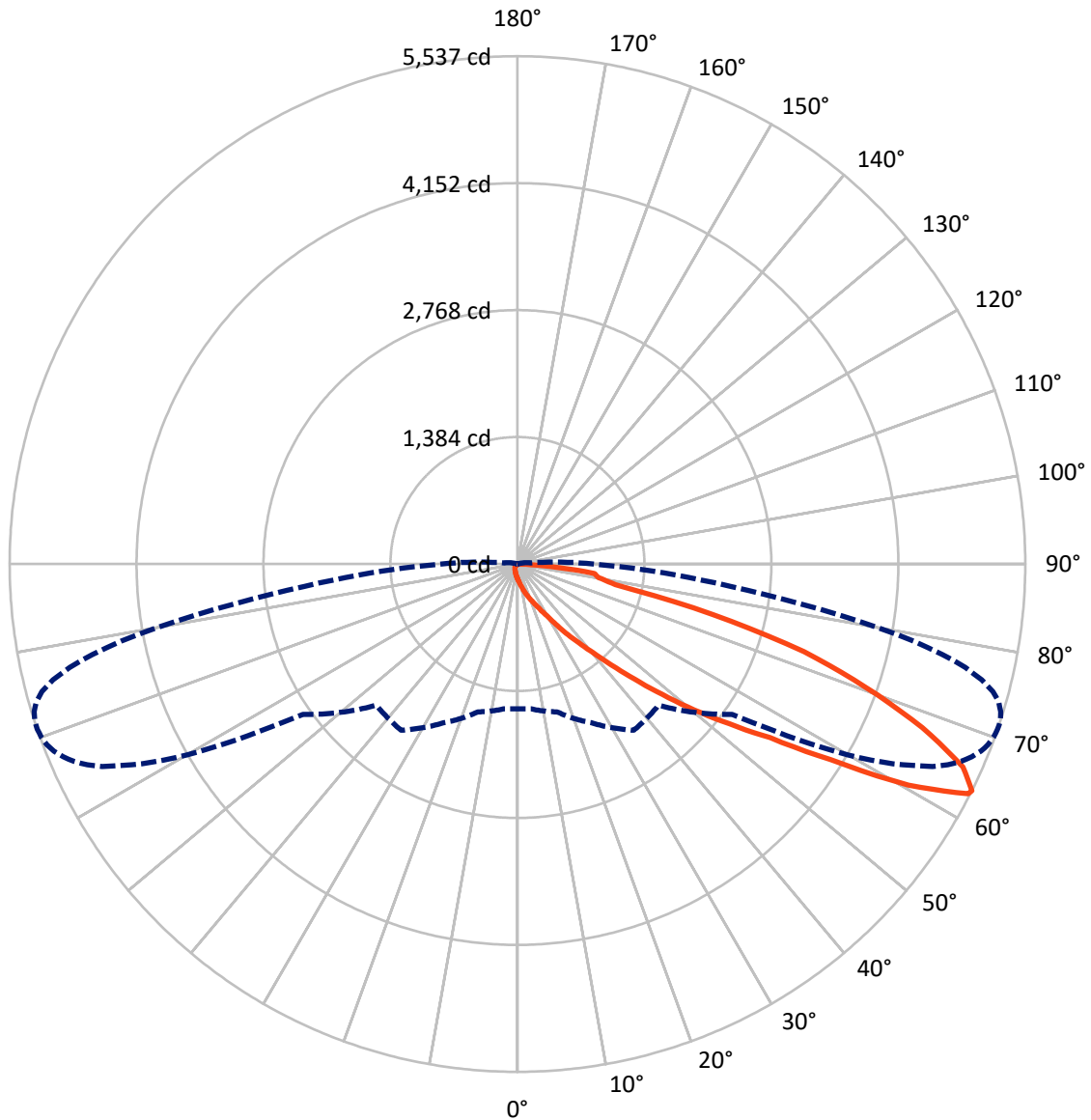
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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 | 88.1 | 0.0 | 88.1 |
| | % Fixture | 2.1 | 0.0 | 2.1 |
| Street Side | Lumens | 4059.5 | 0.0 | 4059.5 |
| | % Fixture | 97.9 | 0.0 | 97.9 |
| Total | Lumens | 4147.5 | 0.0 | 4147.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.6 | 0.4 |
| 10°-20° | 68.2 | 1.6 |
| 20°-30° | 138.5 | 3.3 |
| 30°-40° | 338.4 | 8.2 |
| 40°-50° | 756.9 | 18.2 |
| 50°-60° | 1064.2 | 25.7 |
| 60°-70° | 1251.4 | 30.2 |
| 70°-80° | 451.9 | 10.9 |
| 80°-90° | 60.4 | 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° | 4147.5 | 100.0 |
| 0°-180° | 4147.5 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P149644

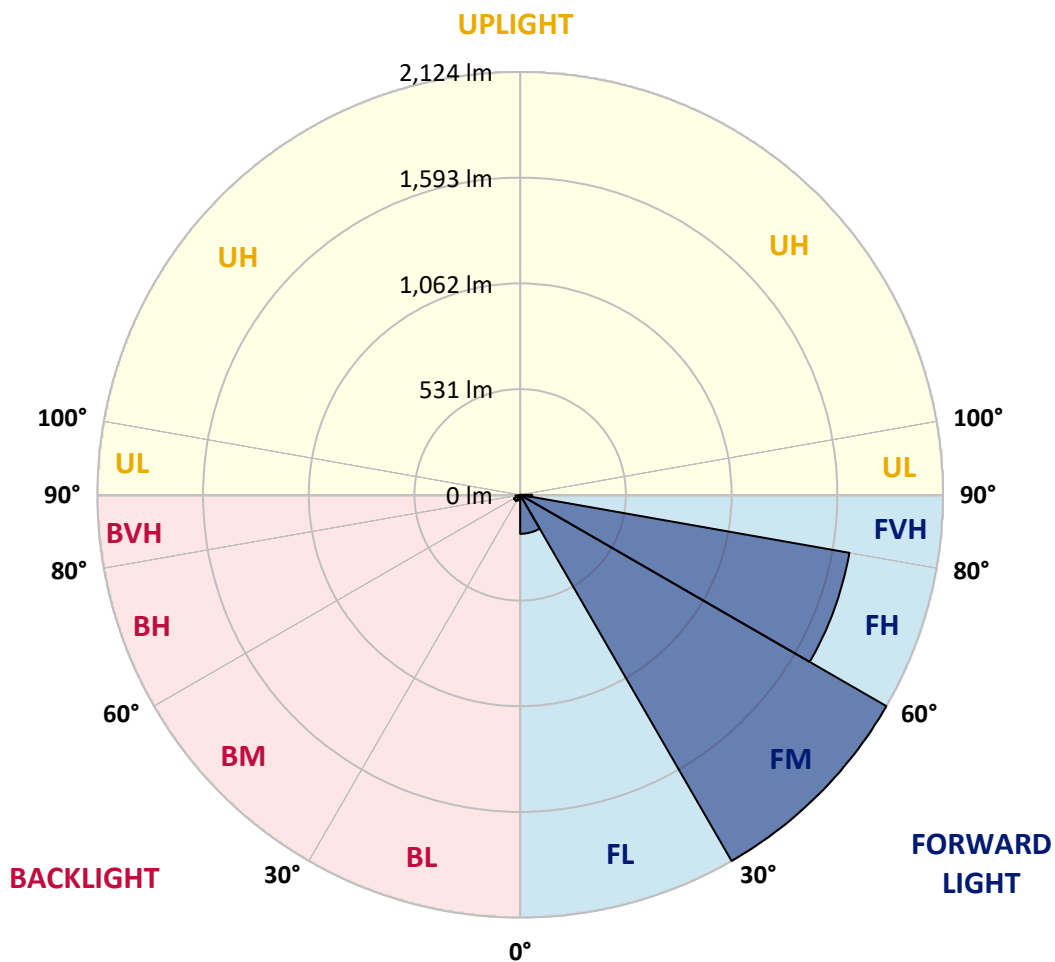
CATALOG NUMBER: TMU-F03-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 196.0 | 4.7 | | | |
| FM | (30°-60°) | 2124.0 | 51.2 | | | |
| FH | (60°-80°) | 1679.2 | 40.5 | | | G1/1800 |
| FVH | (80°-90°) | 60.3 | 1.5 | | | G1/100 |
| BL | (0°-30°) | 28.3 | 0.7 | B0/110 | | |
| BM | (30°-60°) | 35.5 | 0.9 | B0/220 | | |
| BH | (60°-80°) | 24.1 | 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





REPORT NUMBER: P149644

CATALOG NUMBER: TMU-F03-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 208.1 | 210.4 | 208.9 | 205.1 | 200.6 | 194.5 | 189.3 | 189.3 | 188.5 | 186.2 | 187.0 |
| 5° | 272.9 | 273.7 | 270.7 | 261.6 | 253.3 | 240.5 | 226.2 | 224.7 | 223.2 | 220.9 | 220.2 |
| 7.5° | 336.3 | 339.3 | 336.3 | 326.5 | 309.9 | 290.3 | 267.7 | 265.4 | 260.9 | 260.9 | 257.9 |
| 10° | 401.1 | 401.1 | 398.1 | 386.8 | 371.7 | 343.8 | 315.2 | 311.4 | 306.1 | 304.6 | 300.1 |
| 12.5° | 447.1 | 447.1 | 445.6 | 439.6 | 427.5 | 402.6 | 367.9 | 364.2 | 357.4 | 355.1 | 349.9 |
| 15° | 465.2 | 465.2 | 466.0 | 471.2 | 472.0 | 460.7 | 424.5 | 421.5 | 414.7 | 408.7 | 406.4 |
| 17.5° | 476.5 | 475.8 | 475.8 | 483.3 | 496.9 | 504.4 | 481.0 | 478.0 | 470.5 | 467.5 | 459.9 |
| 20° | 501.4 | 499.9 | 495.4 | 495.4 | 508.2 | 534.6 | 534.6 | 533.8 | 525.5 | 523.3 | 519.5 |
| 22.5° | 538.4 | 536.8 | 523.3 | 512.0 | 518.0 | 551.2 | 582.1 | 580.6 | 577.6 | 574.5 | 572.3 |
| 25° | 598.7 | 593.4 | 570.0 | 536.8 | 531.6 | 567.0 | 618.3 | 622.0 | 624.3 | 624.3 | 625.8 |
| 27.5° | 689.9 | 683.1 | 641.6 | 579.8 | 556.4 | 592.6 | 658.2 | 665.8 | 672.6 | 674.1 | 680.9 |
| 30° | 816.6 | 804.5 | 744.9 | 654.5 | 600.9 | 630.3 | 717.0 | 725.3 | 735.1 | 738.2 | 748.7 |
| 32.5° | 1024.7 | 1017.9 | 960.6 | 824.9 | 710.3 | 704.2 | 799.2 | 809.8 | 822.6 | 827.9 | 840.7 |
| 35° | 1341.4 | 1342.9 | 1296.1 | 1174.0 | 1015.6 | 932.7 | 946.3 | 955.3 | 959.8 | 975.7 | 982.5 |
| 37.5° | 1556.2 | 1560.0 | 1570.6 | 1522.3 | 1409.2 | 1324.8 | 1218.5 | 1228.3 | 1204.9 | 1207.1 | 1207.9 |
| 40° | 1673.9 | 1685.9 | 1747.8 | 1794.5 | 1785.5 | 1736.4 | 1651.2 | 1656.5 | 1612.8 | 1603.0 | 1555.5 |
| 42.5° | 1752.3 | 1768.1 | 1866.9 | 2011.7 | 2085.5 | 2130.0 | 2110.4 | 2108.2 | 2074.2 | 2061.4 | 2021.5 |
| 45° | 1801.3 | 1815.6 | 1940.0 | 2153.4 | 2323.8 | 2453.5 | 2507.0 | 2513.1 | 2484.4 | 2471.6 | 2438.4 |
| 47.5° | 1799.0 | 1815.6 | 1949.1 | 2206.2 | 2457.3 | 2664.6 | 2815.4 | 2823.0 | 2840.3 | 2829.0 | 2831.2 |
| 50° | 1699.5 | 1715.3 | 1849.5 | 2116.5 | 2418.1 | 2761.1 | 3037.1 | 3061.2 | 3089.1 | 3108.0 | 3117.0 |
| 52.5° | 1578.9 | 1590.2 | 1709.3 | 1962.6 | 2250.7 | 2721.2 | 3168.3 | 3209.8 | 3251.2 | 3286.7 | 3311.5 |
| 55° | 1534.4 | 1547.2 | 1640.7 | 1851.1 | 2116.5 | 2553.8 | 3229.4 | 3290.4 | 3349.2 | 3407.3 | 3454.8 |
| 57.5° | 1557.8 | 1569.8 | 1636.9 | 1798.3 | 2036.5 | 2377.3 | 3246.7 | 3341.7 | 3438.2 | 3532.5 | 3626.0 |
| 60° | 1643.7 | 1656.5 | 1713.8 | 1847.3 | 2015.4 | 2275.6 | 3178.8 | 3336.4 | 3497.0 | 3661.4 | 3816.0 |
| 62.5° | 1609.8 | 1615.1 | 1699.5 | 1933.2 | 2166.2 | 2188.8 | 2932.3 | 3152.4 | 3397.5 | 3650.8 | 3900.4 |
| 63° | 1577.4 | 1583.4 | 1669.3 | 1909.9 | 2212.2 | 2176.0 | 2856.1 | 3088.4 | 3347.0 | 3619.9 | 3891.4 |
| 65° | 1430.3 | 1431.1 | 1496.7 | 1686.7 | 2160.9 | 2198.6 | 2516.8 | 2738.5 | 3035.6 | 3362.8 | 3705.9 |
| 67.5° | 1067.7 | 1062.4 | 1125.7 | 1270.5 | 1696.5 | 2199.4 | 2160.2 | 2284.6 | 2491.2 | 2781.5 | 3089.1 |
| 70° | 378.5 | 370.2 | 472.8 | 673.3 | 1057.1 | 1799.0 | 1856.3 | 1864.6 | 1921.9 | 2078.8 | 2271.8 |
| 72.5° | 122.9 | 125.2 | 150.8 | 246.6 | 487.1 | 1210.9 | 1680.7 | 1655.0 | 1639.9 | 1639.2 | 1664.8 |
| 75° | 49.0 | 49.8 | 60.3 | 109.3 | 218.7 | 583.6 | 1471.8 | 1486.1 | 1491.4 | 1498.9 | 1507.2 |
| 77.5° | 23.4 | 25.6 | 33.9 | 61.1 | 108.6 | 288.8 | 1053.3 | 1174.7 | 1244.1 | 1297.6 | 1330.0 |
| 80° | 8.3 | 9.8 | 18.8 | 37.7 | 50.5 | 132.7 | 554.9 | 669.5 | 771.3 | 902.5 | 1015.6 |
| 82.5° | 0.0 | 0.0 | 3.8 | 26.4 | 27.9 | 53.5 | 227.7 | 266.9 | 305.4 | 395.8 | 508.2 |
| 85° | 0.0 | 0.0 | 0.0 | 7.5 | 8.3 | 9.0 | 76.9 | 92.7 | 104.1 | 121.4 | 140.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 2.3 | 4.5 | 11.3 | 17.3 |
| 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: P149644

CATALOG NUMBER: TMU-F03-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 60° | 61° | 62° | 64° | 65° | 66° | 67° | 68° | 69° | 70° | 71° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 185.5 | 184.7 | 184.7 | 183.2 | 182.5 | 181.0 | 180.2 | 177.9 | 177.2 | 177.2 | 177.2 |
| 5° | 219.4 | 216.4 | 214.9 | 211.1 | 208.9 | 208.1 | 204.3 | 202.8 | 200.6 | 201.3 | 197.5 |
| 7.5° | 257.1 | 251.8 | 249.6 | 244.3 | 242.8 | 237.5 | 236.0 | 232.2 | 230.0 | 225.4 | 223.9 |
| 10° | 298.6 | 291.8 | 288.0 | 279.7 | 277.5 | 273.7 | 269.2 | 264.7 | 260.9 | 256.4 | 254.1 |
| 12.5° | 346.1 | 340.1 | 337.0 | 325.7 | 320.4 | 315.2 | 309.1 | 303.1 | 297.1 | 293.3 | 288.0 |
| 15° | 401.9 | 392.1 | 389.1 | 378.5 | 369.5 | 362.7 | 354.4 | 346.8 | 342.3 | 334.8 | 329.5 |
| 17.5° | 456.9 | 447.1 | 444.9 | 429.0 | 419.2 | 414.7 | 405.6 | 395.8 | 387.6 | 380.0 | 371.7 |
| 20° | 512.0 | 505.2 | 499.1 | 484.1 | 473.5 | 466.0 | 453.9 | 444.1 | 437.3 | 426.8 | 416.2 |
| 22.5° | 567.0 | 560.2 | 555.7 | 539.9 | 530.1 | 519.5 | 508.9 | 498.4 | 488.6 | 475.8 | 463.7 |
| 25° | 623.6 | 619.0 | 616.8 | 602.4 | 593.4 | 583.6 | 573.0 | 561.0 | 548.9 | 534.6 | 521.8 |
| 27.5° | 682.4 | 683.9 | 679.3 | 676.3 | 666.5 | 659.7 | 643.2 | 634.9 | 625.8 | 608.5 | 592.6 |
| 30° | 757.0 | 761.5 | 760.0 | 762.3 | 756.3 | 751.7 | 738.9 | 728.4 | 717.8 | 701.2 | 683.1 |
| 32.5° | 851.3 | 857.3 | 860.3 | 868.6 | 865.6 | 864.1 | 860.3 | 845.2 | 837.7 | 809.0 | 801.5 |
| 35° | 996.8 | 993.8 | 1006.6 | 1013.4 | 1010.4 | 1008.8 | 1004.3 | 996.0 | 987.0 | 966.6 | 947.8 |
| 37.5° | 1186.0 | 1189.0 | 1193.6 | 1180.0 | 1171.0 | 1170.2 | 1156.6 | 1148.3 | 1135.5 | 1112.9 | 1090.3 |
| 40° | 1532.9 | 1514.0 | 1492.9 | 1435.6 | 1410.7 | 1396.4 | 1356.4 | 1345.1 | 1323.3 | 1292.3 | 1269.0 |
| 42.5° | 1983.8 | 1964.9 | 1901.6 | 1805.8 | 1754.5 | 1683.7 | 1651.2 | 1611.3 | 1580.4 | 1529.9 | 1502.7 |
| 45° | 2431.6 | 2377.3 | 2369.8 | 2258.2 | 2194.9 | 2101.4 | 2043.3 | 1976.2 | 1906.1 | 1839.7 | 1791.5 |
| 47.5° | 2809.4 | 2797.3 | 2760.4 | 2692.5 | 2633.7 | 2555.3 | 2480.6 | 2377.3 | 2305.0 | 2210.7 | 2124.0 |
| 50° | 3111.7 | 3111.0 | 3097.4 | 3058.2 | 3009.2 | 2945.9 | 2880.3 | 2792.8 | 2710.6 | 2595.2 | 2502.5 |
| 52.5° | 3337.9 | 3350.0 | 3354.5 | 3342.5 | 3323.6 | 3267.8 | 3234.6 | 3161.5 | 3092.1 | 2994.1 | 2893.8 |
| 55° | 3503.8 | 3548.3 | 3570.9 | 3596.5 | 3591.3 | 3571.7 | 3570.2 | 3522.7 | 3491.0 | 3413.3 | 3342.5 |
| 57.5° | 3708.9 | 3782.0 | 3852.2 | 3976.6 | 3981.1 | 4024.8 | 4047.4 | 4070.1 | 4076.1 | 4045.2 | 4021.8 |
| 60° | 3969.8 | 4119.1 | 4251.8 | 4511.9 | 4579.8 | 4686.8 | 4756.2 | 4831.6 | 4895.7 | 4901.0 | 4899.4 |
| 62.5° | 4153.8 | 4383.7 | 4597.9 | 4983.9 | 5115.8 | 5239.5 | 5332.2 | 5405.4 | 5449.9 | 5495.1 | 5516.2 |
| 63° | 4159.0 | 4410.9 | 4638.6 | 5036.7 | 5175.4 | 5293.0 | 5381.3 | 5449.1 | 5495.9 | 5523.0 | 5536.6 |
| 65° | 4031.6 | 4337.0 | 4608.4 | 5005.0 | 5135.4 | 5253.8 | 5299.8 | 5344.3 | 5366.9 | 5377.5 | 5337.5 |
| 67.5° | 3417.1 | 3715.7 | 4032.4 | 4475.7 | 4587.3 | 4729.0 | 4766.7 | 4789.4 | 4799.9 | 4797.7 | 4763.7 |
| 70° | 2555.3 | 2805.6 | 3157.7 | 3664.4 | 3812.2 | 3950.9 | 4036.9 | 4073.8 | 4085.9 | 4082.1 | 4031.6 |
| 72.5° | 1783.9 | 1931.0 | 2221.3 | 2785.3 | 2986.6 | 3164.5 | 3270.8 | 3325.9 | 3337.2 | 3314.6 | 3267.8 |
| 75° | 1498.2 | 1505.7 | 1571.3 | 1879.7 | 2068.2 | 2258.2 | 2378.1 | 2412.8 | 2390.2 | 2321.5 | 2202.4 |
| 77.5° | 1337.6 | 1354.2 | 1354.2 | 1400.2 | 1437.1 | 1489.9 | 1501.2 | 1416.8 | 1318.7 | 1192.1 | 1089.5 |
| 80° | 1121.9 | 1180.0 | 1220.7 | 1254.6 | 1258.4 | 1247.9 | 1220.0 | 1172.5 | 1097.1 | 1000.5 | 893.5 |
| 82.5° | 681.6 | 796.2 | 843.0 | 1017.9 | 1103.8 | 1161.9 | 1157.4 | 1094.0 | 1036.7 | 936.5 | 845.2 |
| 85° | 171.9 | 185.5 | 201.3 | 261.6 | 293.3 | 358.1 | 398.9 | 417.7 | 424.5 | 389.8 | 352.9 |
| 87.5° | 16.6 | 11.3 | 18.8 | 14.3 | 20.4 | 15.1 | 20.4 | 18.8 | 23.4 | 24.9 | 27.1 |
| 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: P149644

CATALOG NUMBER: TMU-F03-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 72° | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 175.7 | 174.9 | 174.2 | 173.4 | 172.7 | 171.9 | 170.4 | 170.4 | 168.9 | 168.1 | 167.4 |
| 5° | 195.3 | 193.8 | 193.0 | 191.5 | 189.3 | 187.7 | 185.5 | 182.5 | 180.2 | 179.5 | 177.9 |
| 7.5° | 220.2 | 216.4 | 214.9 | 212.6 | 209.6 | 205.1 | 202.1 | 199.8 | 196.0 | 193.8 | 189.3 |
| 10° | 248.1 | 244.3 | 239.8 | 235.2 | 230.7 | 225.4 | 221.7 | 218.7 | 212.6 | 209.6 | 204.3 |
| 12.5° | 283.5 | 276.7 | 271.4 | 265.4 | 259.4 | 253.3 | 248.8 | 239.8 | 234.5 | 227.7 | 223.2 |
| 15° | 319.7 | 313.7 | 307.6 | 300.1 | 291.0 | 281.2 | 276.7 | 268.4 | 261.6 | 251.1 | 245.0 |
| 17.5° | 363.4 | 352.1 | 343.1 | 334.0 | 325.7 | 316.7 | 307.6 | 294.8 | 285.0 | 276.0 | 263.9 |
| 20° | 406.4 | 392.8 | 383.0 | 371.0 | 358.9 | 344.6 | 334.0 | 325.0 | 311.4 | 299.3 | 286.5 |
| 22.5° | 452.4 | 438.8 | 423.0 | 410.9 | 394.3 | 383.0 | 368.7 | 353.6 | 340.1 | 324.2 | 308.4 |
| 25° | 508.2 | 493.9 | 475.8 | 459.9 | 441.1 | 425.3 | 407.9 | 390.6 | 374.0 | 355.9 | 335.5 |
| 27.5° | 576.8 | 561.7 | 542.1 | 523.3 | 498.4 | 478.8 | 462.2 | 438.8 | 417.7 | 395.1 | 371.7 |
| 30° | 663.5 | 646.9 | 622.8 | 595.7 | 570.8 | 548.9 | 525.5 | 494.6 | 471.2 | 444.1 | 413.9 |
| 32.5° | 776.6 | 757.0 | 724.6 | 699.0 | 668.0 | 639.4 | 607.0 | 576.1 | 542.9 | 507.4 | 472.8 |
| 35° | 919.1 | 901.0 | 863.3 | 825.6 | 791.7 | 757.8 | 717.0 | 681.6 | 634.9 | 591.9 | 547.4 |
| 37.5° | 1066.9 | 1034.5 | 999.8 | 959.1 | 916.9 | 876.1 | 826.4 | 777.4 | 723.8 | 677.1 | 621.3 |
| 40° | 1235.8 | 1196.6 | 1167.9 | 1124.2 | 1064.6 | 1006.6 | 960.6 | 899.5 | 832.4 | 769.8 | 704.2 |
| 42.5° | 1467.3 | 1423.5 | 1372.3 | 1305.9 | 1262.9 | 1195.1 | 1135.5 | 1063.1 | 974.9 | 904.8 | 825.6 |
| 45° | 1734.9 | 1675.4 | 1625.6 | 1561.5 | 1509.5 | 1425.0 | 1355.7 | 1259.2 | 1171.0 | 1079.0 | 982.5 |
| 47.5° | 2040.3 | 1966.4 | 1894.0 | 1830.7 | 1747.8 | 1664.8 | 1576.6 | 1474.1 | 1361.0 | 1259.9 | 1145.3 |
| 50° | 2390.9 | 2286.1 | 2185.8 | 2104.4 | 1990.5 | 1894.8 | 1799.0 | 1683.7 | 1558.5 | 1442.4 | 1311.9 |
| 52.5° | 2780.7 | 2659.3 | 2526.6 | 2401.5 | 2269.5 | 2146.6 | 2031.3 | 1898.6 | 1759.1 | 1617.3 | 1471.8 |
| 55° | 3251.2 | 3160.0 | 3003.9 | 2844.8 | 2668.4 | 2504.0 | 2355.5 | 2191.1 | 2021.5 | 1835.2 | 1682.2 |
| 57.5° | 3987.9 | 3943.4 | 3812.9 | 3653.9 | 3423.9 | 3224.1 | 2972.2 | 2770.9 | 2525.1 | 2268.8 | 2071.2 |
| 60° | 4986.2 | 4931.1 | 4858.0 | 4729.0 | 4546.6 | 4275.1 | 3997.7 | 3684.8 | 3310.8 | 2955.7 | 2618.6 |
| 62.5° | 5518.5 | 5498.9 | 5439.3 | 5350.3 | 5179.9 | 4965.8 | 4686.1 | 4342.2 | 3920.0 | 3488.7 | 3059.0 |
| 63° | 5534.3 | 5509.4 | 5458.2 | 5367.7 | 5217.6 | 5010.3 | 4735.8 | 4401.8 | 3988.6 | 3549.0 | 3110.2 |
| 65° | 5320.2 | 5310.4 | 5258.4 | 5159.6 | 5057.0 | 4898.7 | 4686.1 | 4398.8 | 4052.0 | 3636.5 | 3199.9 |
| 67.5° | 4718.5 | 4689.1 | 4609.2 | 4579.0 | 4507.4 | 4397.3 | 4235.2 | 4037.6 | 3789.6 | 3463.1 | 3086.1 |
| 70° | 3990.9 | 3947.2 | 3846.9 | 3793.3 | 3705.9 | 3636.5 | 3537.7 | 3396.7 | 3243.7 | 3016.0 | 2734.7 |
| 72.5° | 3219.6 | 3129.1 | 3037.1 | 2897.6 | 2775.4 | 2651.8 | 2542.5 | 2442.9 | 2274.8 | 2182.8 | 1969.4 |
| 75° | 2090.8 | 1926.5 | 1768.9 | 1557.8 | 1367.7 | 1199.6 | 1036.0 | 953.0 | 780.4 | 710.3 | 610.0 |
| 77.5° | 992.3 | 900.3 | 776.6 | 680.9 | 558.7 | 456.2 | 372.5 | 279.7 | 219.4 | 171.9 | 131.2 |
| 80° | 800.7 | 723.1 | 648.4 | 561.7 | 469.7 | 374.7 | 287.3 | 214.9 | 152.3 | 105.6 | 74.6 |
| 82.5° | 714.0 | 629.6 | 537.6 | 478.0 | 415.5 | 340.1 | 279.0 | 227.7 | 168.1 | 122.9 | 83.7 |
| 85° | 277.5 | 233.7 | 180.2 | 147.0 | 114.6 | 94.2 | 85.2 | 58.8 | 46.0 | 36.2 | 27.9 |
| 87.5° | 24.1 | 19.6 | 15.8 | 10.6 | 11.3 | 6.0 | 6.8 | 4.5 | 3.8 | 3.8 | 3.0 |
| 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: P149644

CATALOG NUMBER: TMU-F03-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 83° | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 166.6 | 165.9 | 165.1 | 163.6 | 163.6 | 162.1 | 161.4 | 160.6 | 156.8 | 148.5 | 141.8 |
| 5° | 174.9 | 173.4 | 171.9 | 169.6 | 168.1 | 165.9 | 164.4 | 162.1 | 153.8 | 138.0 | 124.4 |
| 7.5° | 187.0 | 184.0 | 181.7 | 177.2 | 174.9 | 171.9 | 169.6 | 165.9 | 152.3 | 128.2 | 109.3 |
| 10° | 201.3 | 196.0 | 192.3 | 187.0 | 182.5 | 178.7 | 174.9 | 169.6 | 150.8 | 117.6 | 95.8 |
| 12.5° | 218.7 | 212.6 | 205.1 | 199.1 | 193.0 | 187.7 | 182.5 | 175.7 | 148.5 | 108.6 | 85.2 |
| 15° | 236.0 | 227.0 | 221.7 | 213.4 | 205.1 | 197.5 | 190.0 | 184.0 | 149.3 | 98.8 | 76.2 |
| 17.5° | 255.6 | 246.6 | 235.2 | 226.2 | 217.2 | 207.3 | 198.3 | 186.2 | 145.5 | 91.2 | 69.4 |
| 20° | 274.5 | 261.6 | 251.1 | 239.8 | 227.0 | 214.9 | 203.6 | 193.0 | 142.5 | 83.7 | 63.3 |
| 22.5° | 294.8 | 279.7 | 266.2 | 251.8 | 236.0 | 222.4 | 208.9 | 195.3 | 137.2 | 76.9 | 58.1 |
| 25° | 319.7 | 302.4 | 282.7 | 265.4 | 248.8 | 232.2 | 214.9 | 198.3 | 131.9 | 70.9 | 54.3 |
| 27.5° | 349.9 | 327.2 | 307.6 | 285.8 | 262.4 | 241.3 | 222.4 | 204.3 | 126.7 | 66.4 | 50.5 |
| 30° | 388.3 | 361.9 | 334.0 | 306.1 | 281.2 | 257.1 | 230.7 | 208.1 | 121.4 | 61.8 | 46.7 |
| 32.5° | 439.6 | 406.4 | 372.5 | 340.1 | 306.9 | 276.0 | 248.1 | 218.7 | 118.4 | 58.1 | 43.0 |
| 35° | 507.4 | 464.5 | 423.0 | 382.3 | 342.3 | 304.6 | 268.4 | 235.2 | 118.4 | 53.5 | 38.5 |
| 37.5° | 571.5 | 521.8 | 469.0 | 418.5 | 371.0 | 327.2 | 284.3 | 244.3 | 112.3 | 49.8 | 34.7 |
| 40° | 640.9 | 581.3 | 519.5 | 459.9 | 402.6 | 348.3 | 299.3 | 253.3 | 107.1 | 45.2 | 30.9 |
| 42.5° | 747.2 | 671.8 | 591.1 | 521.8 | 453.2 | 386.0 | 325.0 | 270.7 | 100.3 | 40.7 | 27.1 |
| 45° | 886.7 | 790.9 | 695.9 | 611.5 | 524.0 | 441.8 | 369.5 | 302.4 | 98.8 | 36.9 | 23.4 |
| 47.5° | 1036.0 | 922.9 | 811.3 | 703.5 | 600.9 | 505.2 | 418.5 | 337.8 | 98.8 | 33.2 | 20.4 |
| 50° | 1184.5 | 1042.8 | 923.6 | 798.5 | 683.1 | 570.0 | 466.7 | 374.7 | 99.5 | 30.2 | 16.6 |
| 52.5° | 1318.7 | 1167.2 | 1033.7 | 889.0 | 761.5 | 630.3 | 518.0 | 410.9 | 98.0 | 26.4 | 13.6 |
| 55° | 1505.0 | 1327.0 | 1172.5 | 1012.6 | 863.3 | 715.5 | 588.1 | 465.2 | 98.8 | 23.4 | 11.3 |
| 57.5° | 1848.0 | 1639.2 | 1452.9 | 1243.3 | 1071.4 | 880.7 | 726.1 | 576.8 | 107.8 | 19.6 | 8.3 |
| 60° | 2340.4 | 2069.0 | 1807.3 | 1551.7 | 1333.1 | 1106.1 | 905.5 | 729.9 | 126.7 | 15.8 | 6.0 |
| 62.5° | 2671.4 | 2316.3 | 2004.1 | 1722.1 | 1468.0 | 1230.5 | 1011.9 | 812.1 | 139.5 | 12.8 | 3.8 |
| 63° | 2705.3 | 2338.1 | 2024.5 | 1733.4 | 1474.1 | 1236.5 | 1016.4 | 818.1 | 140.2 | 12.1 | 3.8 |
| 65° | 2769.4 | 2375.8 | 2035.8 | 1735.7 | 1468.0 | 1228.3 | 1013.4 | 817.3 | 141.8 | 9.8 | 3.0 |
| 67.5° | 2696.3 | 2317.8 | 1970.2 | 1670.8 | 1415.2 | 1179.2 | 975.7 | 787.2 | 141.0 | 6.8 | 2.3 |
| 70° | 2411.3 | 2097.6 | 1792.2 | 1513.3 | 1281.0 | 1067.7 | 888.2 | 717.8 | 129.7 | 4.5 | 1.5 |
| 72.5° | 1770.4 | 1557.0 | 1320.2 | 1118.9 | 965.1 | 801.5 | 683.9 | 539.1 | 100.3 | 3.0 | 0.8 |
| 75° | 524.8 | 478.0 | 401.9 | 354.4 | 312.9 | 258.6 | 230.0 | 179.5 | 51.3 | 1.5 | 0.0 |
| 77.5° | 104.8 | 95.0 | 85.2 | 77.7 | 73.1 | 62.6 | 59.6 | 49.0 | 21.1 | 0.8 | 0.0 |
| 80° | 55.0 | 45.2 | 38.5 | 33.9 | 29.4 | 24.1 | 20.4 | 16.6 | 3.8 | 0.0 | 0.0 |
| 82.5° | 52.8 | 35.4 | 25.6 | 21.1 | 18.1 | 14.3 | 11.3 | 8.3 | 2.3 | 0.0 | 0.0 |
| 85° | 19.6 | 15.1 | 11.3 | 9.0 | 7.5 | 6.8 | 5.3 | 4.5 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.0 | 2.3 | 2.3 | 1.5 | 1.5 | 0.8 | 0.8 | 0.8 | 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: P149644

CATALOG NUMBER: TMU-F03-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

| | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 | 159.1 |
| 2.5° | 135.0 | 128.9 | 125.9 | 122.1 | 122.1 | 121.4 | 122.9 |
| 5° | 112.3 | 104.1 | 98.0 | 93.5 | 94.2 | 92.0 | 92.7 |
| 7.5° | 95.0 | 86.7 | 81.4 | 78.4 | 77.7 | 76.9 | 76.9 |
| 10° | 82.2 | 74.6 | 70.1 | 67.9 | 67.1 | 67.1 | 67.1 |
| 12.5° | 73.1 | 65.6 | 61.8 | 60.3 | 60.3 | 59.6 | 59.6 |
| 15° | 65.6 | 59.6 | 55.8 | 54.3 | 54.3 | 53.5 | 54.3 |
| 17.5° | 59.6 | 53.5 | 50.5 | 49.0 | 49.0 | 48.3 | 48.3 |
| 20° | 54.3 | 49.0 | 46.0 | 43.7 | 43.7 | 43.0 | 43.7 |
| 22.5° | 49.8 | 44.5 | 40.7 | 39.2 | 38.5 | 37.7 | 38.5 |
| 25° | 45.2 | 40.0 | 36.2 | 33.9 | 33.2 | 33.2 | 32.4 |
| 27.5° | 41.5 | 36.2 | 31.7 | 29.4 | 28.7 | 28.7 | 27.9 |
| 30° | 37.7 | 31.7 | 27.1 | 24.9 | 24.1 | 24.1 | 24.1 |
| 32.5° | 33.9 | 27.1 | 23.4 | 21.1 | 20.4 | 20.4 | 20.4 |
| 35° | 30.2 | 23.4 | 19.6 | 17.3 | 16.6 | 16.6 | 16.6 |
| 37.5° | 25.6 | 19.6 | 15.1 | 13.6 | 12.8 | 12.1 | 12.1 |
| 40° | 21.9 | 15.1 | 11.3 | 9.8 | 8.3 | 8.3 | 8.3 |
| 42.5° | 18.1 | 12.1 | 8.3 | 6.0 | 5.3 | 4.5 | 5.3 |
| 45° | 15.1 | 9.0 | 5.3 | 3.0 | 2.3 | 2.3 | 2.3 |
| 47.5° | 12.1 | 6.0 | 2.3 | 0.8 | 0.8 | 0.8 | 0.8 |
| 50° | 9.0 | 3.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 |
| 52.5° | 6.8 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 3.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 63° | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.8 | 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)