

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P565330

Luminaire Tested: **PMM-SA4C-830-U-T1**

Issue Date: 8/19/2021

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P565330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2108-334-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 8/19/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4C-830-U-T1
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS.
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17288 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B4 - U0 - G4

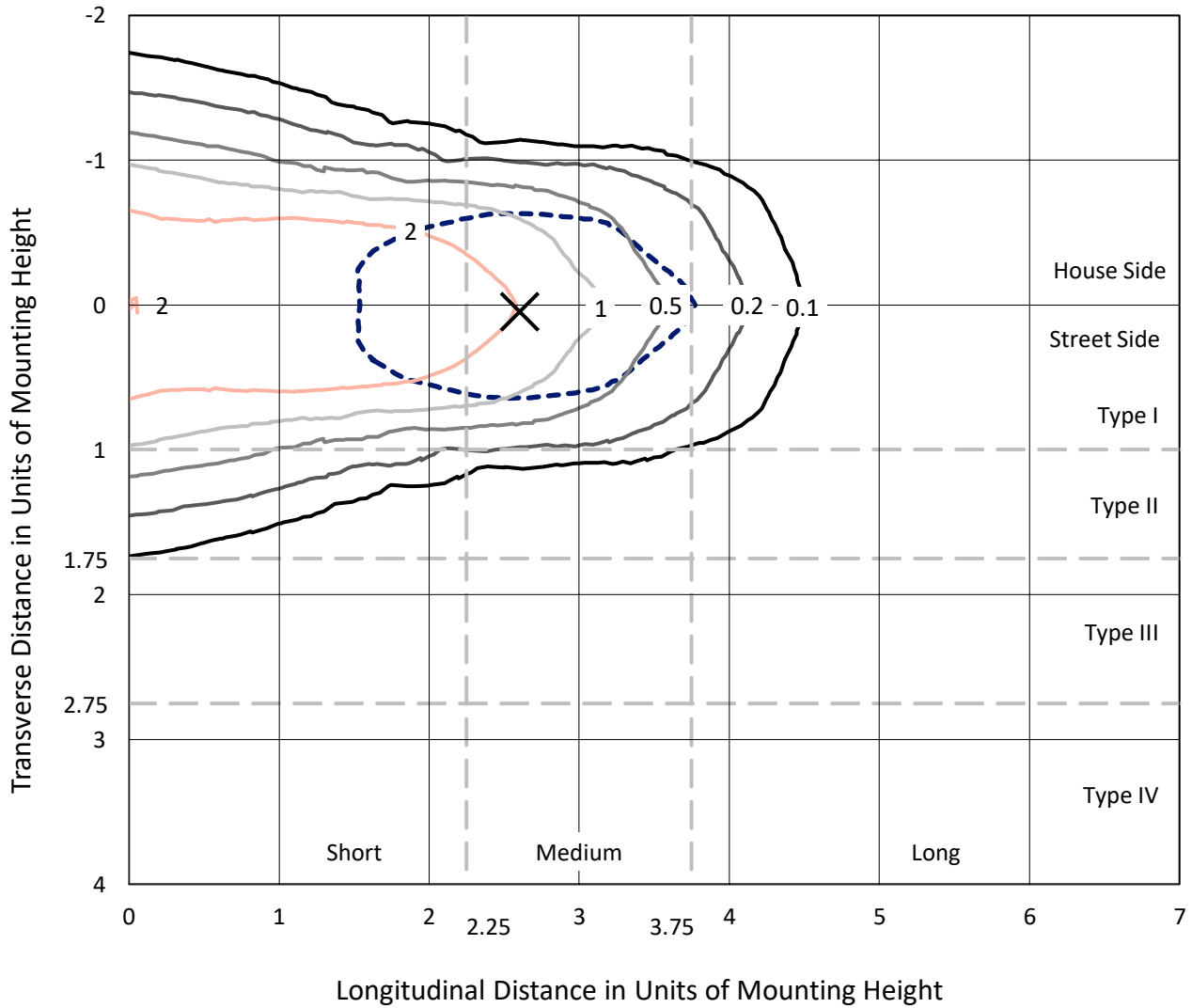
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P565330
 CATALOG NUMBER: PMM-SA4C-830-U-T1

Iso-Footcandle Lines of Horizontal Illumination

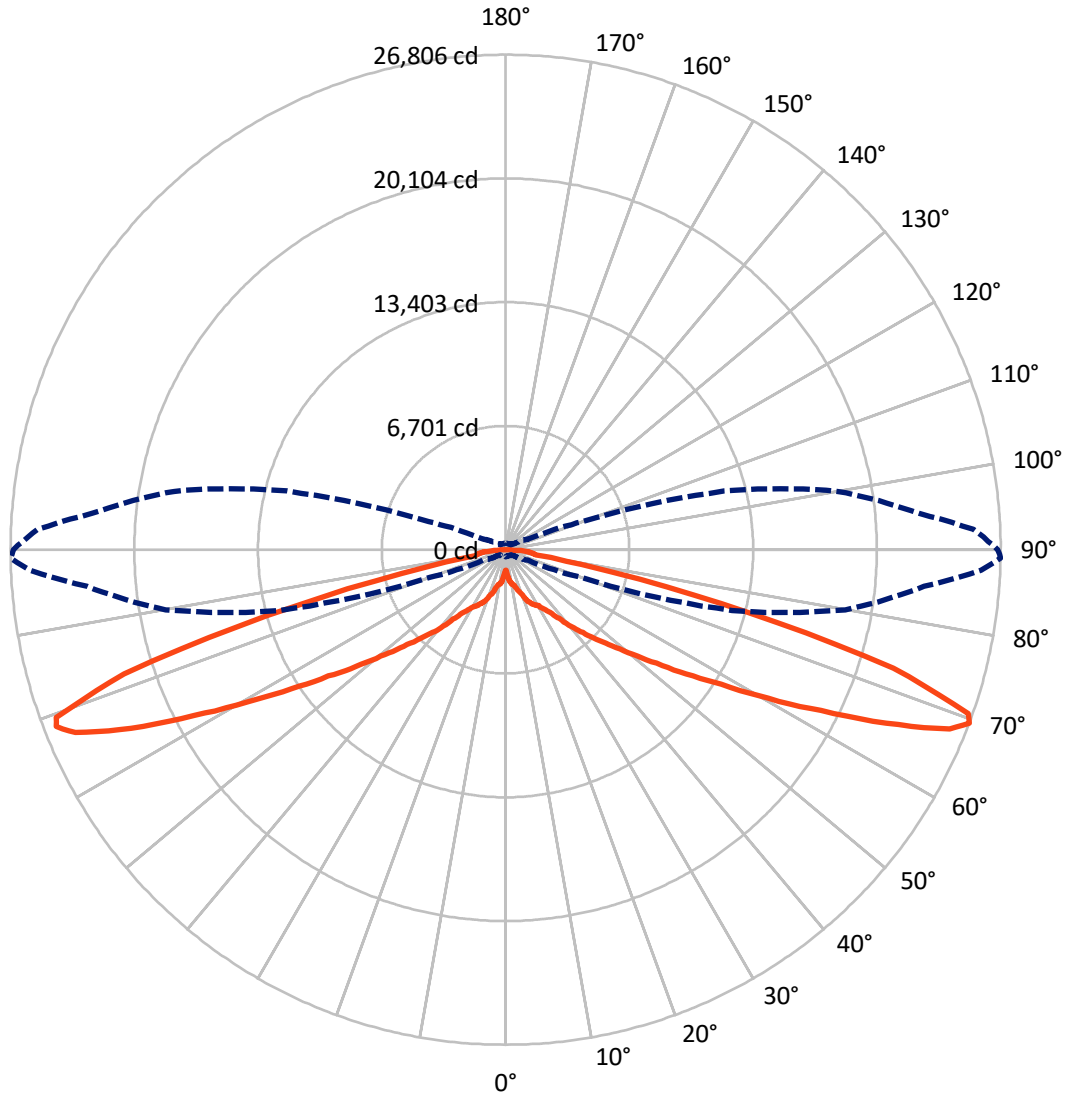
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type I - Medium - N/A

REPORT NUMBER: P565330
CATALOG NUMBER: PMM-SA4C-830-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P565330
 CATALOG NUMBER: PMM-SA4C-830-U-T1

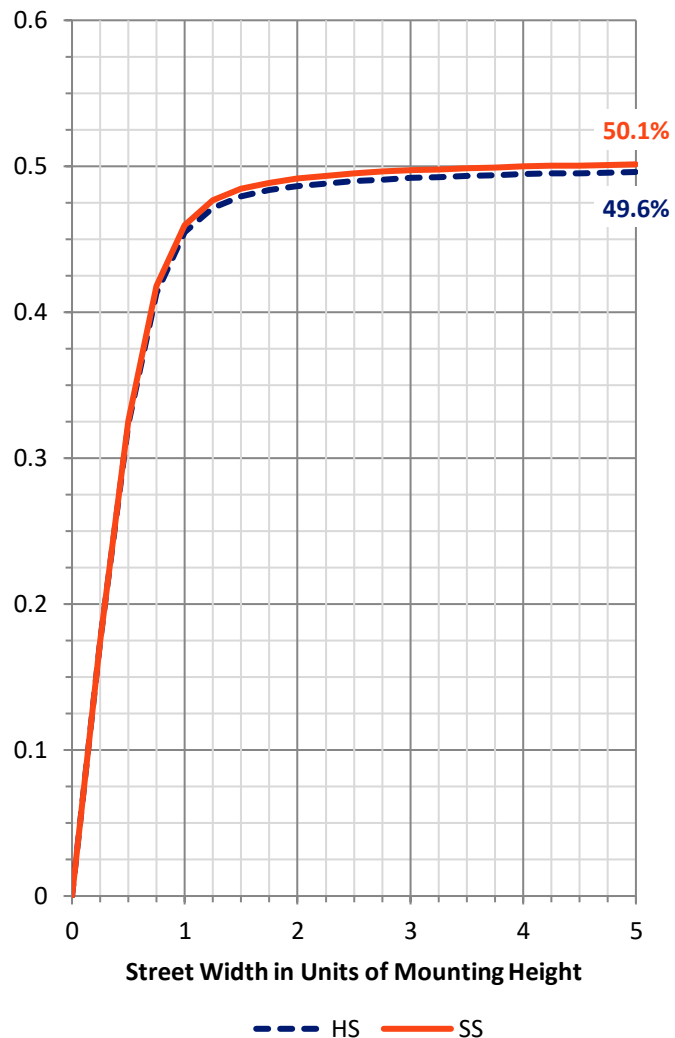
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8643.8 | 0.0 | 8643.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 8644.2 | 0.0 | 8644.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 17288.0 | 0.0 | 17288.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 137.6 | 0.8 |
| 10°-20° | 633.9 | 3.7 |
| 20°-30° | 1264.7 | 7.3 |
| 30°-40° | 1912.8 | 11.1 |
| 40°-50° | 2776.6 | 16.1 |
| 50°-60° | 3648.0 | 21.1 |
| 60°-70° | 4450.0 | 25.7 |
| 70°-80° | 2249.8 | 13.0 |
| 80°-90° | 214.4 | 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° | 17288.0 | 100.0 |
| 0°-180° | 17288.0 | 100.0 |

Coefficient of Utilization

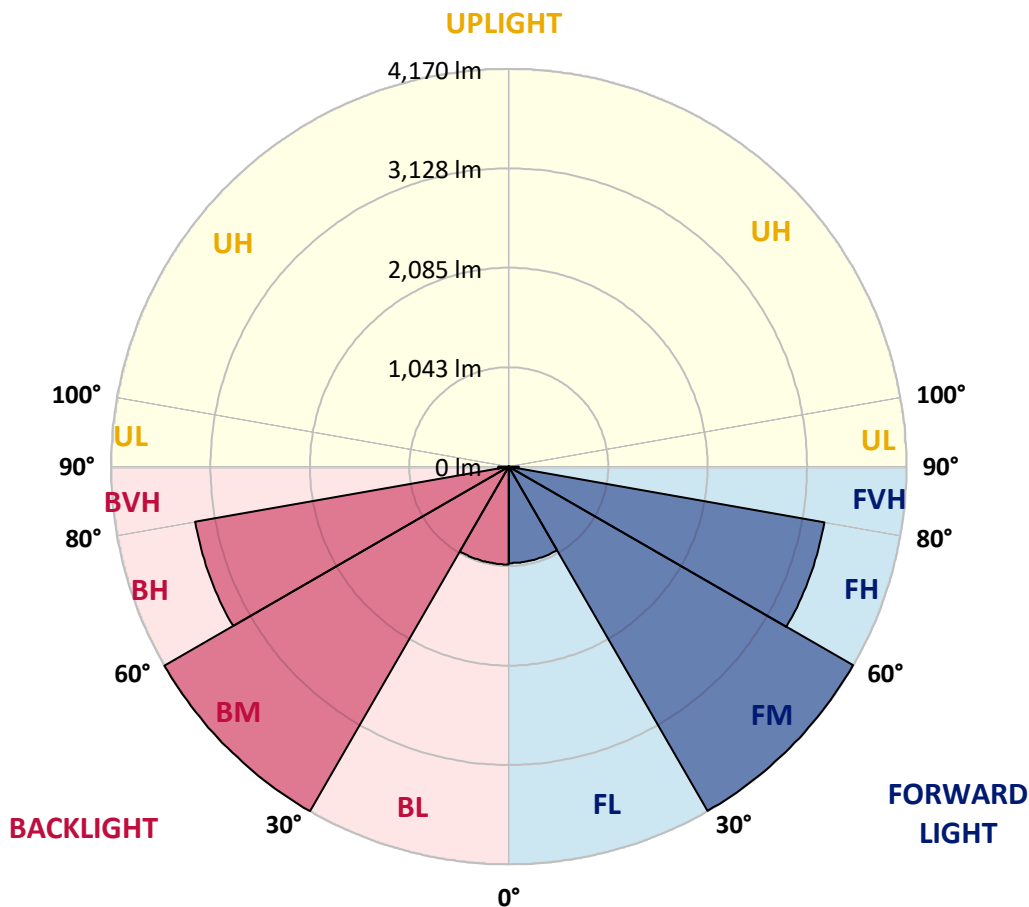


REPORT NUMBER: P565330
 CATALOG NUMBER: PMM-SA4C-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1011.0 | 5.8 | | | |
| FM (30°-60°) | 4167.3 | 24.1 | | | |
| FH (60°-80°) | 3360.6 | 19.4 | | | G2/5000 |
| FVH (80°-90°) | 105.2 | 0.6 | | | G2/225 |
| BL (0°-30°) | 1025.2 | 5.9 | B3/2500 | | |
| BM (30°-60°) | 4170.1 | 24.1 | B3/5000 | | |
| BH (60°-80°) | 3339.2 | 19.3 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 109.3 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4
 Type I Medium





REPORT NUMBER: P565330

CATALOG NUMBER: PMM-SA4C-830-U-T1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 |
| 2.5° | 1285.0 | 1136.9 | 1124.0 | 1088.6 | 1114.3 | 1124.0 | 1101.5 | 1069.3 | 1104.7 | 1124.0 | 1088.6 |
| 5° | 1620.0 | 1401.0 | 1326.9 | 1265.7 | 1143.3 | 1091.8 | 1143.3 | 1275.4 | 1291.5 | 1372.0 | 1349.5 |
| 7.5° | 1784.2 | 1748.8 | 1655.4 | 1452.5 | 1256.1 | 1146.6 | 1285.0 | 1475.1 | 1571.7 | 1649.0 | 1729.5 |
| 10° | 1906.6 | 1887.3 | 1723.0 | 1578.1 | 1497.6 | 1504.0 | 1507.3 | 1568.5 | 1652.2 | 1781.0 | 1826.1 |
| 12.5° | 1935.6 | 1929.2 | 1954.9 | 1922.7 | 1929.2 | 1964.6 | 1929.2 | 1913.1 | 1961.4 | 2003.2 | 1958.2 |
| 15° | 2122.4 | 2119.2 | 2128.9 | 2135.3 | 2264.1 | 2318.9 | 2264.1 | 2215.8 | 2180.4 | 2145.0 | 2219.0 |
| 17.5° | 2251.2 | 2235.1 | 2238.4 | 2299.5 | 2444.5 | 2595.8 | 2566.9 | 2502.4 | 2421.9 | 2470.2 | 2531.4 |
| 20° | 2322.1 | 2293.1 | 2312.4 | 2338.2 | 2583.0 | 2750.4 | 2769.8 | 2682.8 | 2634.5 | 2695.7 | 2747.2 |
| 22.5° | 2389.7 | 2344.6 | 2277.0 | 2302.8 | 2528.2 | 2769.8 | 2863.2 | 2840.6 | 2876.0 | 2895.4 | 2885.7 |
| 25° | 2309.2 | 2338.2 | 2264.1 | 2338.2 | 2566.9 | 2789.1 | 2975.9 | 3107.9 | 3111.1 | 3101.5 | 3172.3 |
| 27.5° | 2260.9 | 2238.4 | 2112.7 | 2302.8 | 2492.8 | 2631.3 | 3107.9 | 3330.2 | 3397.8 | 3191.7 | 3330.2 |
| 30° | 2177.2 | 2212.6 | 2041.9 | 2199.7 | 2441.3 | 2673.1 | 3259.3 | 3578.1 | 3478.3 | 3452.5 | 3484.7 |
| 32.5° | 2125.6 | 2103.1 | 2022.6 | 2109.5 | 2293.1 | 2798.7 | 3355.9 | 3723.1 | 3848.7 | 3787.5 | 3781.0 |
| 35° | 2041.9 | 2058.0 | 1932.4 | 2025.8 | 2283.4 | 2692.5 | 3420.3 | 4087.0 | 4280.2 | 4231.9 | 4193.3 |
| 37.5° | 2054.8 | 2000.0 | 1909.8 | 1977.5 | 2222.2 | 2750.4 | 3581.4 | 4438.1 | 4744.0 | 4769.8 | 4592.6 |
| 40° | 1958.2 | 1925.9 | 1790.7 | 1903.4 | 2106.3 | 2715.0 | 3620.0 | 4837.4 | 5355.9 | 5471.9 | 5217.5 |
| 42.5° | 1819.7 | 1777.8 | 1700.5 | 1826.1 | 2038.7 | 2541.1 | 3674.8 | 5317.3 | 5977.5 | 6219.1 | 5987.2 |
| 45° | 1620.0 | 1565.2 | 1526.6 | 1694.1 | 1890.5 | 2496.0 | 3616.8 | 5716.7 | 6573.3 | 6905.1 | 6898.6 |
| 47.5° | 1378.4 | 1343.0 | 1323.7 | 1500.8 | 1768.1 | 2383.3 | 3497.6 | 5967.9 | 6988.8 | 7839.1 | 7710.2 |
| 50° | 1104.7 | 1078.9 | 1075.7 | 1262.5 | 1562.0 | 2151.4 | 3362.4 | 6093.5 | 7620.1 | 8695.8 | 8808.5 |
| 52.5° | 885.7 | 866.4 | 863.1 | 1014.5 | 1307.6 | 1839.0 | 3078.9 | 6190.1 | 8222.3 | 9668.4 | 10248.1 |
| 55° | 692.4 | 673.1 | 676.3 | 801.9 | 1040.3 | 1504.0 | 2647.4 | 6080.6 | 8750.5 | 10663.6 | 11761.8 |
| 57.5° | 566.8 | 547.5 | 550.7 | 621.6 | 795.5 | 1149.8 | 2109.5 | 5842.3 | 8988.8 | 11893.9 | 13526.7 |
| 60° | 499.2 | 479.9 | 470.2 | 502.4 | 611.9 | 866.4 | 1568.5 | 4914.7 | 9027.5 | 12914.8 | 15443.0 |
| 62.5° | 463.8 | 444.4 | 434.8 | 444.4 | 505.6 | 663.5 | 1130.4 | 3893.8 | 8805.3 | 13787.6 | 17198.3 |
| 65° | 431.6 | 415.5 | 402.6 | 412.2 | 444.4 | 528.2 | 824.5 | 2666.7 | 7642.6 | 14187.0 | 18473.7 |
| 67.5° | 396.1 | 383.3 | 370.4 | 383.3 | 405.8 | 444.4 | 640.9 | 1687.6 | 5729.5 | 13668.4 | 19005.1 |
| 69° | 376.8 | 357.5 | 351.1 | 360.7 | 383.3 | 409.0 | 554.0 | 1346.2 | 4357.5 | 12682.9 | 18683.0 |
| 70° | 357.5 | 344.6 | 334.9 | 351.1 | 370.4 | 389.7 | 499.2 | 1143.3 | 3417.1 | 11417.2 | 17884.3 |
| 72.5° | 315.6 | 306.0 | 299.5 | 315.6 | 331.7 | 344.6 | 409.0 | 814.8 | 1980.7 | 7774.7 | 14183.7 |
| 75° | 277.0 | 267.3 | 264.1 | 277.0 | 289.9 | 296.3 | 344.6 | 560.4 | 1169.1 | 4067.7 | 8509.0 |
| 77.5° | 231.9 | 219.0 | 222.2 | 238.3 | 248.0 | 251.2 | 289.9 | 402.6 | 689.2 | 1842.2 | 3942.1 |
| 80° | 170.7 | 170.7 | 183.6 | 196.5 | 196.5 | 196.5 | 231.9 | 293.1 | 418.7 | 847.0 | 1636.1 |
| 82.5° | 119.2 | 122.4 | 125.6 | 144.9 | 148.1 | 135.3 | 177.1 | 212.6 | 260.9 | 370.4 | 566.8 |
| 85° | 67.6 | 70.9 | 74.1 | 87.0 | 90.2 | 80.5 | 115.9 | 135.3 | 151.4 | 183.6 | 296.3 |
| 87.5° | 25.8 | 29.0 | 38.6 | 45.1 | 48.3 | 35.4 | 54.8 | 64.4 | 64.4 | 77.3 | 132.0 |
| 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: P565330

CATALOG NUMBER: PMM-SA4C-830-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 89° | 90° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 |
| 2.5° | 1162.7 | 1185.2 | 1227.1 | 1236.7 | 1201.3 | 1162.7 | 1075.7 | 1130.4 | 1153.0 | 1111.1 | 1124.0 |
| 5° | 1439.6 | 1487.9 | 1539.5 | 1478.3 | 1439.6 | 1413.9 | 1372.0 | 1375.2 | 1352.7 | 1278.6 | 1156.2 |
| 7.5° | 1752.0 | 1697.3 | 1735.9 | 1777.8 | 1716.6 | 1719.8 | 1758.5 | 1678.0 | 1616.8 | 1491.2 | 1262.5 |
| 10° | 1897.0 | 1897.0 | 1906.6 | 1906.6 | 1880.9 | 1880.9 | 1877.6 | 1748.8 | 1674.7 | 1620.0 | 1555.6 |
| 12.5° | 1906.6 | 1903.4 | 1942.1 | 1913.1 | 1919.5 | 1925.9 | 1942.1 | 2000.0 | 1980.7 | 1909.8 | 1967.8 |
| 15° | 2173.9 | 2161.1 | 2173.9 | 2170.7 | 2180.4 | 2209.4 | 2196.5 | 2183.6 | 2186.8 | 2238.4 | 2325.3 |
| 17.5° | 2425.2 | 2431.6 | 2418.7 | 2441.3 | 2441.3 | 2460.6 | 2505.7 | 2460.6 | 2421.9 | 2518.5 | 2586.2 |
| 20° | 2715.0 | 2692.5 | 2640.9 | 2679.6 | 2689.2 | 2692.5 | 2766.5 | 2711.8 | 2657.0 | 2692.5 | 2773.0 |
| 22.5° | 3008.1 | 3004.9 | 3011.3 | 3014.5 | 3027.4 | 2979.1 | 2879.3 | 2863.2 | 2898.6 | 2850.3 | 2859.9 |
| 25° | 3188.4 | 3191.7 | 3207.8 | 3211.0 | 3156.2 | 3207.8 | 3243.2 | 3136.9 | 3136.9 | 3127.3 | 3062.8 |
| 27.5° | 3407.4 | 3359.1 | 3378.5 | 3404.2 | 3381.7 | 3394.6 | 3352.7 | 3198.1 | 3362.4 | 3384.9 | 3127.3 |
| 30° | 3555.6 | 3533.1 | 3510.5 | 3536.3 | 3558.8 | 3616.8 | 3497.6 | 3481.5 | 3494.4 | 3613.6 | 3275.4 |
| 32.5° | 3868.0 | 3900.2 | 3858.3 | 3816.5 | 3858.3 | 3845.5 | 3793.9 | 3771.4 | 3932.4 | 3774.6 | 3378.5 |
| 35° | 4157.9 | 4170.7 | 4174.0 | 4167.5 | 4193.3 | 4148.2 | 4148.2 | 4231.9 | 4280.2 | 4109.6 | 3410.7 |
| 37.5° | 4856.7 | 4811.7 | 4718.3 | 4673.2 | 4753.7 | 4821.3 | 4621.6 | 4721.5 | 4702.2 | 4412.3 | 3652.2 |
| 40° | 5359.2 | 5462.2 | 5491.2 | 5478.3 | 5491.2 | 5298.0 | 5339.8 | 5413.9 | 5327.0 | 4847.1 | 3568.5 |
| 42.5° | 6093.5 | 6157.9 | 6135.3 | 6106.4 | 6119.2 | 6083.8 | 5958.2 | 6232.0 | 5919.6 | 5333.4 | 3697.3 |
| 45° | 6763.4 | 6908.3 | 6918.0 | 6818.1 | 6898.6 | 6773.0 | 6824.6 | 6921.2 | 6605.6 | 5697.3 | 3661.9 |
| 47.5° | 7562.1 | 7861.6 | 7748.9 | 7748.9 | 7829.4 | 7558.9 | 7681.3 | 7810.1 | 6972.7 | 5942.1 | 3468.6 |
| 50° | 8744.1 | 8905.1 | 8898.7 | 8869.7 | 8905.1 | 8760.2 | 8740.8 | 8724.7 | 7536.3 | 6174.0 | 3349.5 |
| 52.5° | 10080.6 | 10299.6 | 10215.9 | 10248.1 | 10296.4 | 10022.7 | 10238.5 | 9649.1 | 8241.6 | 6260.9 | 3078.9 |
| 55° | 11787.6 | 11939.0 | 11855.2 | 11691.0 | 11910.0 | 11736.1 | 11806.9 | 10657.1 | 8731.2 | 6013.0 | 2628.1 |
| 57.5° | 13819.8 | 13897.1 | 13758.6 | 13742.5 | 13887.4 | 13700.7 | 13581.5 | 11790.8 | 8985.6 | 5826.2 | 2099.9 |
| 60° | 16193.4 | 16435.0 | 16348.0 | 16209.5 | 16341.6 | 16177.3 | 15275.5 | 12753.8 | 8934.1 | 4953.4 | 1626.4 |
| 62.5° | 19040.5 | 19285.3 | 19188.6 | 19095.2 | 19179.0 | 18750.6 | 16866.6 | 13513.9 | 8702.2 | 3926.0 | 1188.4 |
| 65° | 21391.6 | 22496.3 | 22641.2 | 22644.4 | 22238.6 | 21246.6 | 18135.5 | 13810.2 | 7478.4 | 2740.8 | 869.6 |
| 67.5° | 22937.5 | 25233.8 | 25948.8 | 25691.1 | 24760.4 | 22496.3 | 18647.6 | 13230.4 | 5774.6 | 1732.7 | 650.6 |
| 69° | 22760.3 | 25771.7 | 26805.5 | 26660.6 | 25353.0 | 22476.9 | 18248.2 | 12254.6 | 4412.3 | 1378.4 | 550.7 |
| 70° | 21942.3 | 25330.4 | 26557.5 | 26621.9 | 24976.2 | 21613.8 | 17536.4 | 11133.8 | 3568.5 | 1175.5 | 505.6 |
| 72.5° | 17510.7 | 20873.0 | 21952.0 | 22373.9 | 20741.0 | 17307.8 | 14380.2 | 7855.2 | 2067.7 | 821.3 | 409.0 |
| 75° | 10847.2 | 12657.2 | 13552.5 | 13797.3 | 12808.5 | 10779.5 | 8728.0 | 4370.4 | 1259.3 | 579.7 | 344.6 |
| 77.5° | 4863.2 | 5388.1 | 5903.5 | 5903.5 | 5517.0 | 4921.2 | 4000.0 | 2112.7 | 715.0 | 412.2 | 289.9 |
| 80° | 1629.6 | 1690.8 | 1645.8 | 1661.9 | 1597.4 | 1536.3 | 1607.1 | 911.4 | 441.2 | 309.2 | 235.1 |
| 82.5° | 1107.9 | 1391.3 | 1478.3 | 1478.3 | 1388.1 | 1095.0 | 618.4 | 418.7 | 270.5 | 222.2 | 180.4 |
| 85° | 901.8 | 1101.5 | 1182.0 | 1217.4 | 1146.6 | 924.3 | 325.3 | 202.9 | 161.0 | 141.7 | 122.4 |
| 87.5° | 302.7 | 283.4 | 267.3 | 260.9 | 273.8 | 286.6 | 161.0 | 87.0 | 74.1 | 67.6 | 64.4 |
| 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: P565330

CATALOG NUMBER: PMM-SA4C-830-U-T1

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|
| 0° | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 | 1095.0 |
| 2.5° | 1146.6 | 1107.9 | 1124.0 | 1140.1 | 1256.1 | 1343.0 |
| 5° | 1140.1 | 1194.9 | 1317.2 | 1471.8 | 1542.7 | 1716.6 |
| 7.5° | 1172.3 | 1372.0 | 1600.7 | 1761.7 | 1826.1 | 1880.9 |
| 10° | 1568.5 | 1603.9 | 1681.2 | 1835.8 | 1964.6 | 1987.1 |
| 12.5° | 2025.8 | 2016.1 | 1961.4 | 2032.2 | 1967.8 | 2012.9 |
| 15° | 2383.3 | 2277.0 | 2202.9 | 2193.3 | 2170.7 | 2170.7 |
| 17.5° | 2579.7 | 2486.3 | 2383.3 | 2357.5 | 2289.9 | 2344.6 |
| 20° | 2811.6 | 2650.6 | 2392.9 | 2367.2 | 2344.6 | 2293.1 |
| 22.5° | 2766.5 | 2605.5 | 2338.2 | 2306.0 | 2425.2 | 2418.7 |
| 25° | 2821.3 | 2605.5 | 2351.1 | 2315.6 | 2370.4 | 2370.4 |
| 27.5° | 2686.0 | 2508.9 | 2325.3 | 2112.7 | 2280.2 | 2318.9 |
| 30° | 2650.6 | 2450.9 | 2238.4 | 2048.3 | 2219.0 | 2183.6 |
| 32.5° | 2837.4 | 2306.0 | 2096.6 | 2038.7 | 2164.3 | 2138.5 |
| 35° | 2692.5 | 2280.2 | 2061.2 | 1954.9 | 2103.1 | 2077.3 |
| 37.5° | 2753.7 | 2248.0 | 2000.0 | 1909.8 | 2029.0 | 2067.7 |
| 40° | 2740.8 | 2096.6 | 1929.2 | 1813.2 | 1932.4 | 1951.7 |
| 42.5° | 2525.0 | 1980.7 | 1810.0 | 1694.1 | 1755.3 | 1819.7 |
| 45° | 2460.6 | 1909.8 | 1694.1 | 1533.0 | 1536.3 | 1610.3 |
| 47.5° | 2341.4 | 1748.8 | 1481.5 | 1333.3 | 1333.3 | 1394.5 |
| 50° | 2141.7 | 1533.0 | 1240.0 | 1104.7 | 1101.5 | 1149.8 |
| 52.5° | 1845.4 | 1323.7 | 1046.7 | 898.6 | 888.9 | 937.2 |
| 55° | 1510.5 | 1066.0 | 824.5 | 727.9 | 708.5 | 727.9 |
| 57.5° | 1175.5 | 830.9 | 650.6 | 573.3 | 570.1 | 586.2 |
| 60° | 911.4 | 650.6 | 518.5 | 473.4 | 479.9 | 505.6 |
| 62.5° | 689.2 | 518.5 | 441.2 | 425.1 | 434.8 | 460.6 |
| 65° | 547.5 | 447.7 | 402.6 | 392.9 | 402.6 | 428.3 |
| 67.5° | 444.4 | 405.8 | 373.6 | 360.7 | 367.2 | 392.9 |
| 69° | 409.0 | 383.3 | 357.5 | 341.4 | 347.8 | 367.2 |
| 70° | 389.7 | 370.4 | 344.6 | 328.5 | 334.9 | 354.3 |
| 72.5° | 341.4 | 331.7 | 312.4 | 296.3 | 299.5 | 315.6 |
| 75° | 299.5 | 293.1 | 280.2 | 260.9 | 260.9 | 280.2 |
| 77.5° | 251.2 | 254.4 | 241.5 | 222.2 | 219.0 | 228.7 |
| 80° | 199.7 | 206.1 | 199.7 | 180.4 | 173.9 | 173.9 |
| 82.5° | 144.9 | 157.8 | 151.4 | 132.0 | 128.8 | 128.8 |
| 85° | 90.2 | 99.8 | 96.6 | 83.7 | 83.7 | 74.1 |
| 87.5° | 41.9 | 54.8 | 51.5 | 45.1 | 41.9 | 29.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)