

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: P368574

Luminaire Tested: **PMM-SA4C-830-U-T3**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P368574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-10)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4C-830-U-T3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19093 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

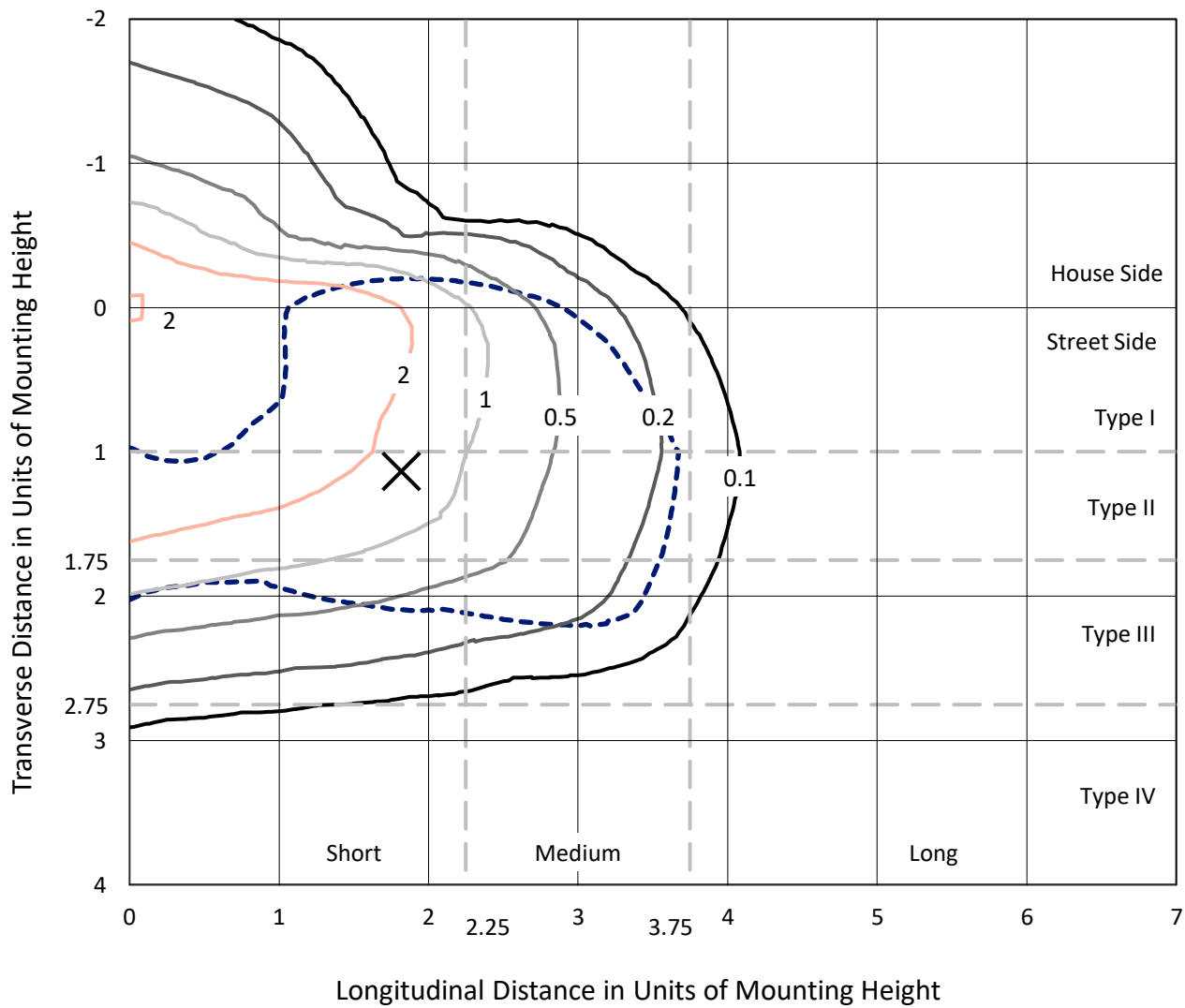
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368574
 CATALOG NUMBER: PMM-SA4C-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

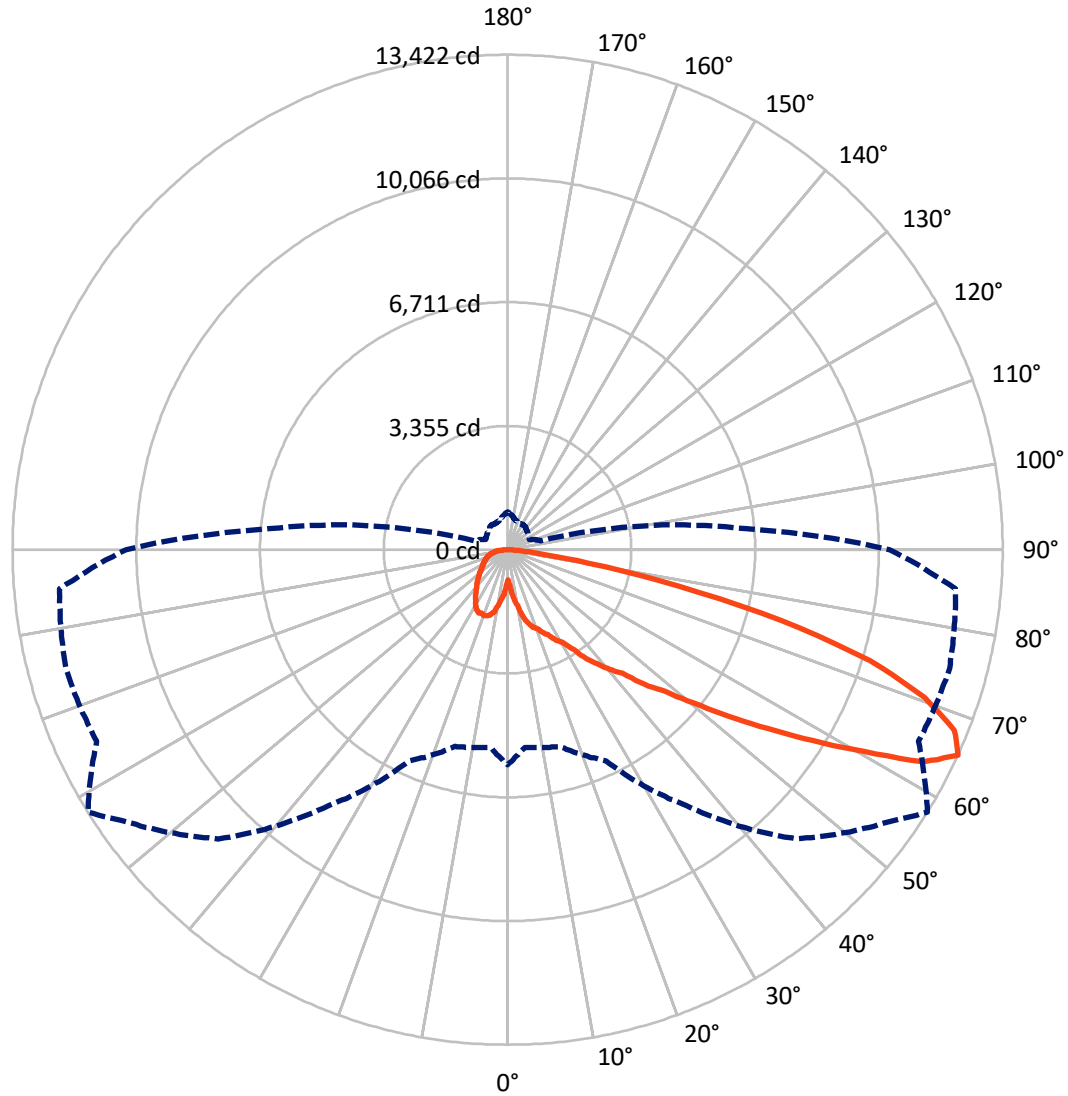
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P368574
CATALOG NUMBER: PMM-SA4C-830-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P368574
 CATALOG NUMBER: PMM-SA4C-830-U-T3

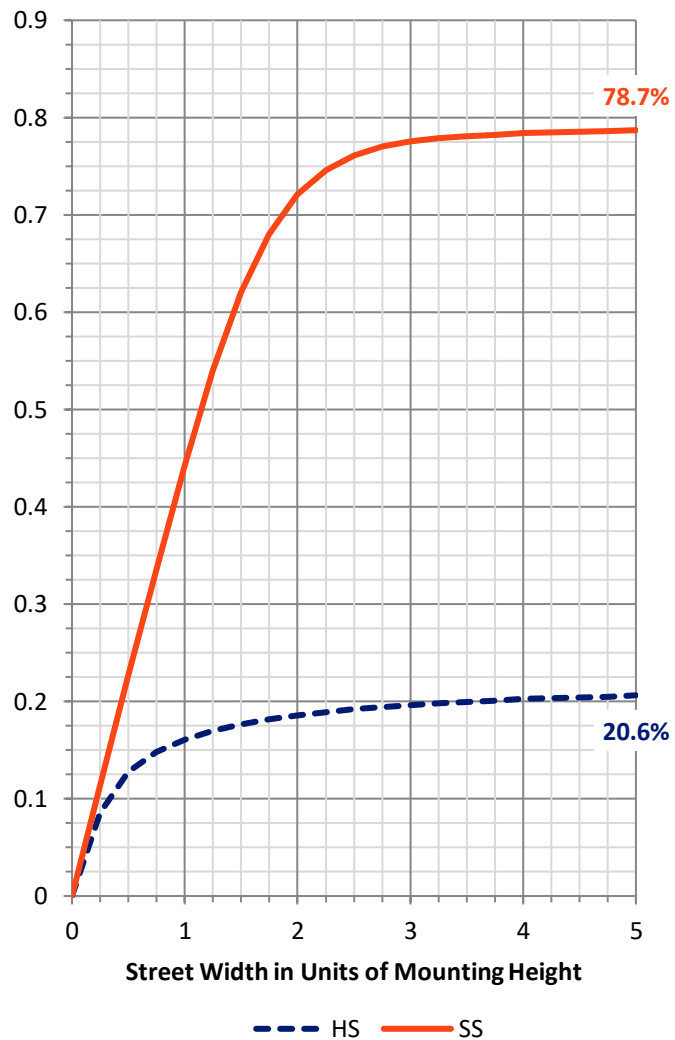
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4021.6	0.0	4021.6
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	15071.4	0.0	15071.4
	% Fixture	78.9	0.0	78.9
Total	Lumens	19093.0	0.0	19093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	0.7
10°-20°	544.9	2.9
20°-30°	1045.6	5.5
30°-40°	1726.2	9.0
40°-50°	2869.1	15.0
50°-60°	4738.3	24.8
60°-70°	5315.5	27.8
70°-80°	2416.8	12.7
80°-90°	311.7	1.6
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°	19093.0	100.0
0°-180°	19093.0	100.0

Coefficient of Utilization

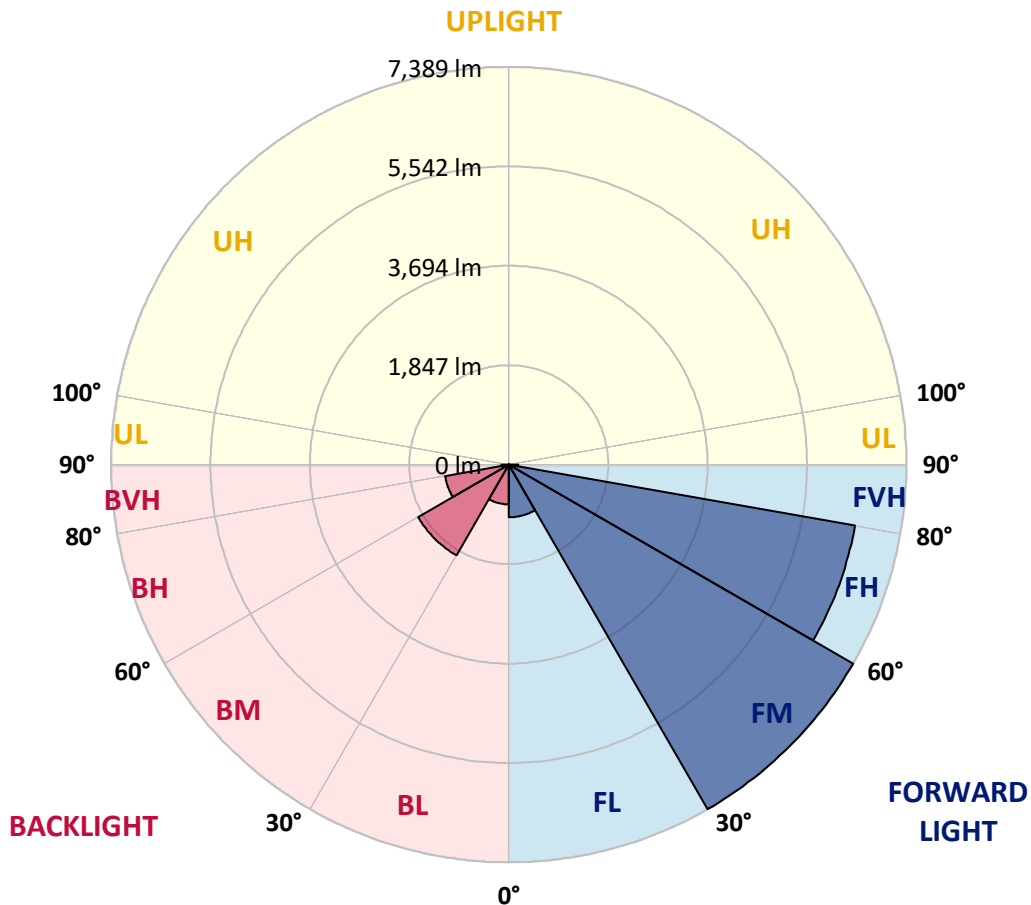


REPORT NUMBER: P368574
 CATALOG NUMBER: PMM-SA4C-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.0	5.1			
FM (30°-60°)	7388.7	38.7			
FH (60°-80°)	6530.2	34.2			G3/7500
FVH (80°-90°)	175.5	0.9			G2/225
BL (0°-30°)	738.3	3.9	B2/1000		
BM (30°-60°)	1944.9	10.2	B2/2500		
BH (60°-80°)	1202.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	136.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type III Short





REPORT NUMBER: P368574

CATALOG NUMBER: PMM-SA4C-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8
2.5°	978.8	949.4	900.1	912.0	940.6	956.5	947.0	934.3	917.6	914.4	987.5
5°	1267.4	1211.0	1187.9	1178.4	1143.4	1122.7	1158.5	1153.7	1172.8	1207.8	1279.3
7.5°	1478.1	1438.4	1400.2	1396.2	1328.6	1304.8	1352.5	1377.9	1412.1	1412.9	1509.9
10°	1591.0	1556.8	1556.0	1520.3	1514.7	1560.0	1560.8	1579.9	1583.9	1624.4	1605.3
12.5°	1713.5	1711.1	1754.8	1754.0	1804.9	1879.7	1842.3	1842.3	1853.4	1804.1	1864.6
15°	2005.3	2030.7	1948.8	1962.4	1962.4	2035.5	2033.1	2047.4	2081.6	2068.9	2041.9
17.5°	2309.0	2324.9	2234.3	2150.0	2156.4	2140.5	2197.7	2203.3	2170.7	2318.6	2286.0
20°	2504.6	2566.6	2375.8	2270.1	2290.7	2309.0	2311.4	2277.2	2260.5	2487.9	2443.4
22.5°	2746.3	2693.9	2518.9	2402.1	2433.1	2408.4	2403.6	2429.9	2452.9	2538.8	2611.2
25°	2907.7	2903.8	2693.9	2565.8	2531.7	2524.5	2573.0	2562.7	2617.5	2773.4	2728.0
27.5°	3142.3	3215.5	2843.3	2875.1	2724.9	2566.6	2722.5	2769.4	2868.0	2842.5	2943.5
30°	3597.1	3542.2	3153.4	3144.7	2974.5	2841.8	2949.9	2910.1	3087.4	3081.9	3156.6
32.5°	3968.4	4006.6	3517.6	3426.2	3299.7	3139.9	3068.4	3178.9	3274.3	3430.9	3473.1
35°	4361.2	4352.5	3890.5	3706.0	3496.9	3430.9	3519.2	3565.3	3768.1	3912.0	3811.8
37.5°	4971.9	4902.7	4373.9	4024.9	3868.2	3844.4	3995.5	3928.7	4148.1	4182.3	4238.8
40°	5539.6	5331.3	4816.0	4416.1	4167.2	4256.3	4261.0	4269.8	4387.5	4480.5	4759.6
42.5°	6079.5	5933.2	5265.3	4964.7	4598.2	4511.5	4565.6	4583.9	4881.2	5071.3	5457.7
45°	6817.3	6425.3	5910.9	5602.4	5192.1	5081.6	5043.4	5200.9	5487.9	5920.4	6252.0
47.5°	7441.5	7087.7	6597.1	6190.8	5732.0	6047.7	5831.4	5743.1	6128.8	6664.7	7192.6
50°	7959.1	7569.5	7088.5	6853.9	6780.8	7062.2	6500.9	6511.2	6864.3	7620.4	8225.5
52.5°	8359.9	7944.0	7517.8	7398.6	7807.3	7969.5	7564.0	7502.7	7760.3	8654.1	9380.8
55°	8734.4	8293.1	7963.9	8207.2	8895.8	8914.1	8885.4	8545.9	8856.0	9761.7	10576.7
57.5°	8830.6	8355.1	8136.4	8485.5	9416.6	10140.9	10425.6	9759.3	10074.9	10769.1	11600.8
60°	8335.2	7928.1	7840.7	8314.5	9698.1	10757.1	11500.6	11102.2	10983.8	11577.7	12318.0
62.5°	7320.6	6848.3	6919.1	7577.5	9401.5	11001.2	12349.8	12660.7	11943.5	12221.0	12631.2
65°	5826.6	5375.8	5518.9	6310.8	8470.4	11082.4	12783.9	13421.6	12290.1	12403.0	12187.6
67.5°	4109.2	3699.7	3880.2	4904.3	7046.3	10043.9	12858.6	13067.0	11921.2	11883.8	10975.8
70°	2328.1	2071.3	2266.9	3120.8	4973.5	8001.3	12272.6	11998.3	11259.7	10730.1	9183.6
72.5°	1067.8	979.6	1073.4	1588.6	2863.2	5324.1	10019.3	10268.2	9702.0	9039.7	6986.7
75°	567.7	536.7	576.5	793.5	1339.8	2896.6	7118.7	7678.5	7377.1	6856.3	4557.6
77.5°	422.2	398.4	417.4	514.4	715.6	1133.0	4044.8	4750.8	4865.3	4385.9	2530.9
80°	323.6	304.5	323.6	388.8	495.4	538.3	1729.4	2214.4	2522.1	2037.9	1005.8
82.5°	240.1	227.4	256.8	291.8	348.3	336.3	613.8	764.1	985.2	673.5	392.0
85°	190.8	174.9	186.1	198.0	222.6	184.5	280.7	314.1	332.4	278.3	144.7
87.5°	74.7	69.2	135.2	106.5	90.6	55.7	84.3	95.4	97.8	93.8	42.1
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: P368574
 CATALOG NUMBER: PMM-SA4C-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8	819.8
2.5°	995.5	987.5	940.6	955.7	980.4	985.2	995.5	966.9	952.6	1005.0	1007.4
5°	1285.7	1242.8	1220.5	1222.9	1207.0	1182.3	1219.7	1244.4	1253.9	1292.9	1307.2
7.5°	1510.7	1459.0	1421.7	1378.7	1318.3	1279.3	1344.5	1392.3	1417.7	1498.8	1530.6
10°	1610.9	1569.6	1561.6	1507.5	1506.0	1505.2	1502.0	1485.3	1540.1	1532.2	1554.5
12.5°	1817.6	1808.9	1733.4	1711.9	1714.3	1711.9	1645.1	1641.9	1642.7	1715.9	1689.6
15°	2010.1	2011.6	1942.5	1864.6	1794.6	1773.1	1746.9	1734.9	1752.4	1793.8	1768.3
17.5°	2247.8	2255.7	2057.8	1934.5	1842.3	1839.9	1777.1	1703.1	1809.7	1835.1	1807.3
20°	2401.3	2367.9	2124.6	1917.8	1891.6	1820.0	1742.1	1640.3	1732.6	1794.6	1812.1
22.5°	2546.8	2488.7	2186.6	1947.2	1821.6	1736.5	1661.0	1595.0	1624.4	1693.6	1682.5
25°	2645.4	2629.5	2272.4	2018.0	1819.2	1630.0	1528.2	1486.1	1501.2	1608.5	1598.2
27.5°	2880.7	2709.0	2257.3	2036.3	1742.9	1484.5	1433.6	1388.3	1373.2	1489.3	1521.1
30°	3038.1	2967.4	2358.3	2007.7	1646.7	1365.2	1290.5	1280.9	1285.7	1417.7	1426.4
32.5°	3305.3	3121.6	2523.7	1897.9	1506.7	1277.0	1191.1	1195.1	1216.5	1312.7	1332.6
35°	3583.6	3473.9	2546.0	1819.2	1393.0	1183.1	1148.1	1120.3	1132.2	1216.5	1220.5
37.5°	4100.4	3721.2	2682.7	1697.6	1309.6	1147.4	1080.6	1055.9	1062.3	1110.0	1144.2
40°	4555.2	4218.1	2619.1	1579.9	1206.2	1099.6	1016.2	997.9	978.8	1025.7	1047.2
42.5°	5284.4	4572.7	2597.6	1450.3	1157.7	1035.2	978.0	929.5	911.2	951.0	989.9
45°	6013.5	4948.8	2480.8	1319.1	1089.3	1030.5	922.3	876.2	881.0	916.8	956.5
47.5°	6826.1	5453.7	2282.8	1191.9	1014.6	1007.4	866.7	846.8	861.1	900.9	940.6
50°	7786.6	5989.6	2119.0	1077.4	961.3	938.2	859.5	835.7	849.2	896.1	935.1
52.5°	8836.9	6577.2	1999.7	971.6	900.9	883.4	869.1	846.0	861.9	902.5	943.0
55°	9880.9	7113.9	1918.6	899.3	849.2	860.3	888.9	872.2	880.2	910.4	951.0
57.5°	10655.4	7397.0	1755.6	822.2	807.0	846.8	891.3	863.5	868.3	910.4	954.1
60°	11105.4	7451.0	1487.7	759.3	773.6	819.8	866.7	830.9	827.7	896.9	951.8
62.5°	11056.1	7137.0	1180.0	702.1	735.5	779.2	829.3	795.1	803.9	898.5	956.5
65°	10350.0	6495.3	938.2	653.6	689.4	734.7	798.3	784.8	826.9	962.1	1024.9
67.5°	9109.7	5557.9	753.8	608.3	646.4	704.5	819.8	855.5	873.8	1027.3	1091.7
70°	7382.7	4318.3	628.1	568.5	612.2	718.8	881.8	874.6	859.5	996.3	1047.2
72.5°	5333.6	2960.2	552.6	529.5	570.1	675.9	883.4	845.2	826.1	909.6	946.2
75°	3337.1	1766.0	482.6	480.3	505.7	605.9	843.6	809.4	757.7	799.1	846.8
77.5°	1905.9	904.0	406.3	427.8	442.9	525.6	755.4	724.4	678.2	695.7	742.6
80°	727.5	437.3	342.7	380.1	376.1	445.3	640.1	632.9	580.4	586.0	614.6
82.5°	342.7	244.9	284.7	326.8	305.3	354.6	520.0	517.6	471.5	427.0	450.0
85°	127.2	130.4	208.3	248.9	212.3	229.0	376.1	365.8	321.2	271.1	299.8
87.5°	28.6	46.9	102.6	129.6	73.9	70.8	151.9	132.0	127.2	75.5	79.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)