

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: P598416

Luminaire Tested: **PMM-SA3A-835-U-SL2**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P598416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-16)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA3A-835-U-SL2  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9607 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

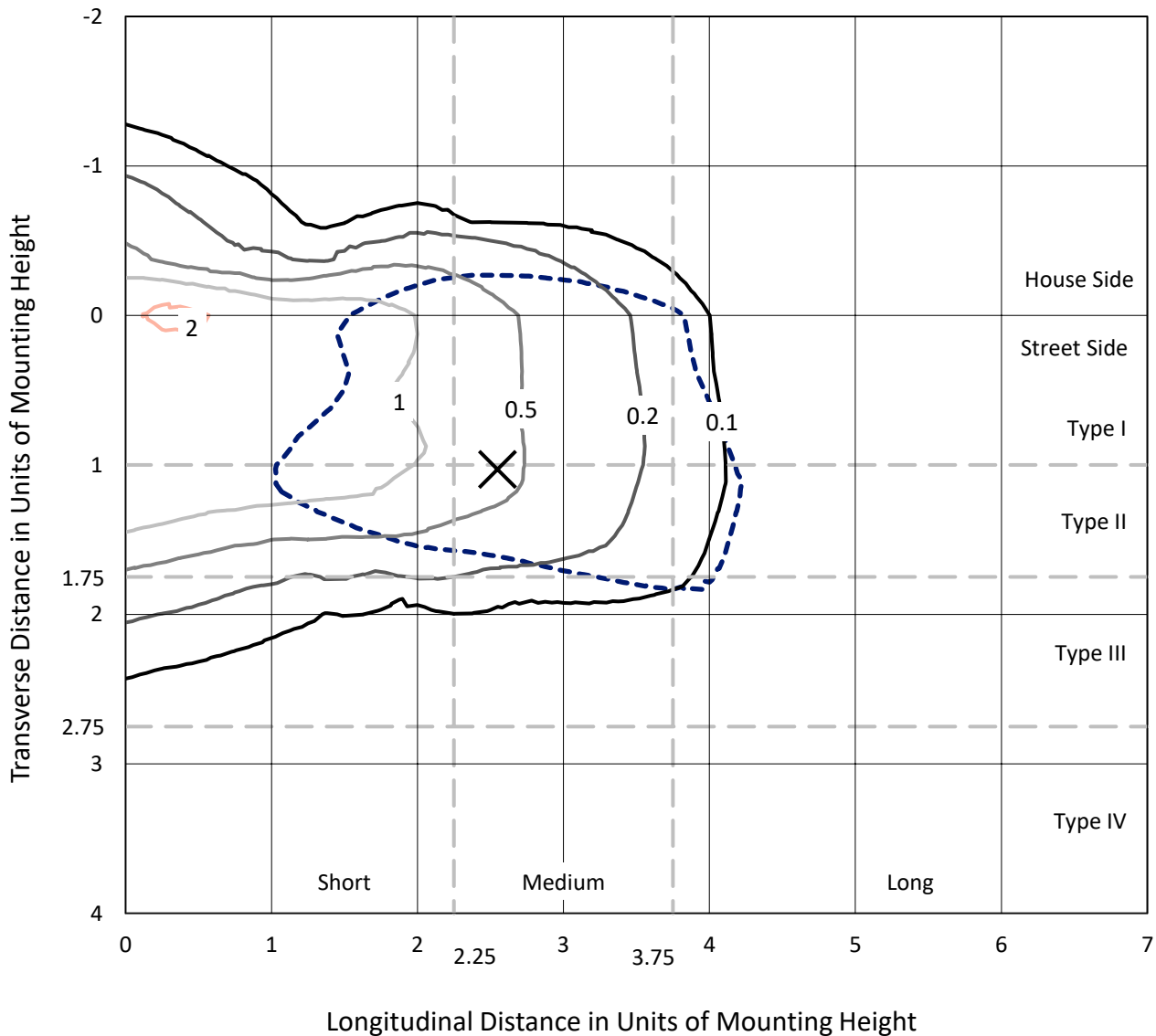
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P598416  
 CATALOG NUMBER: PMM-SA3A-835-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

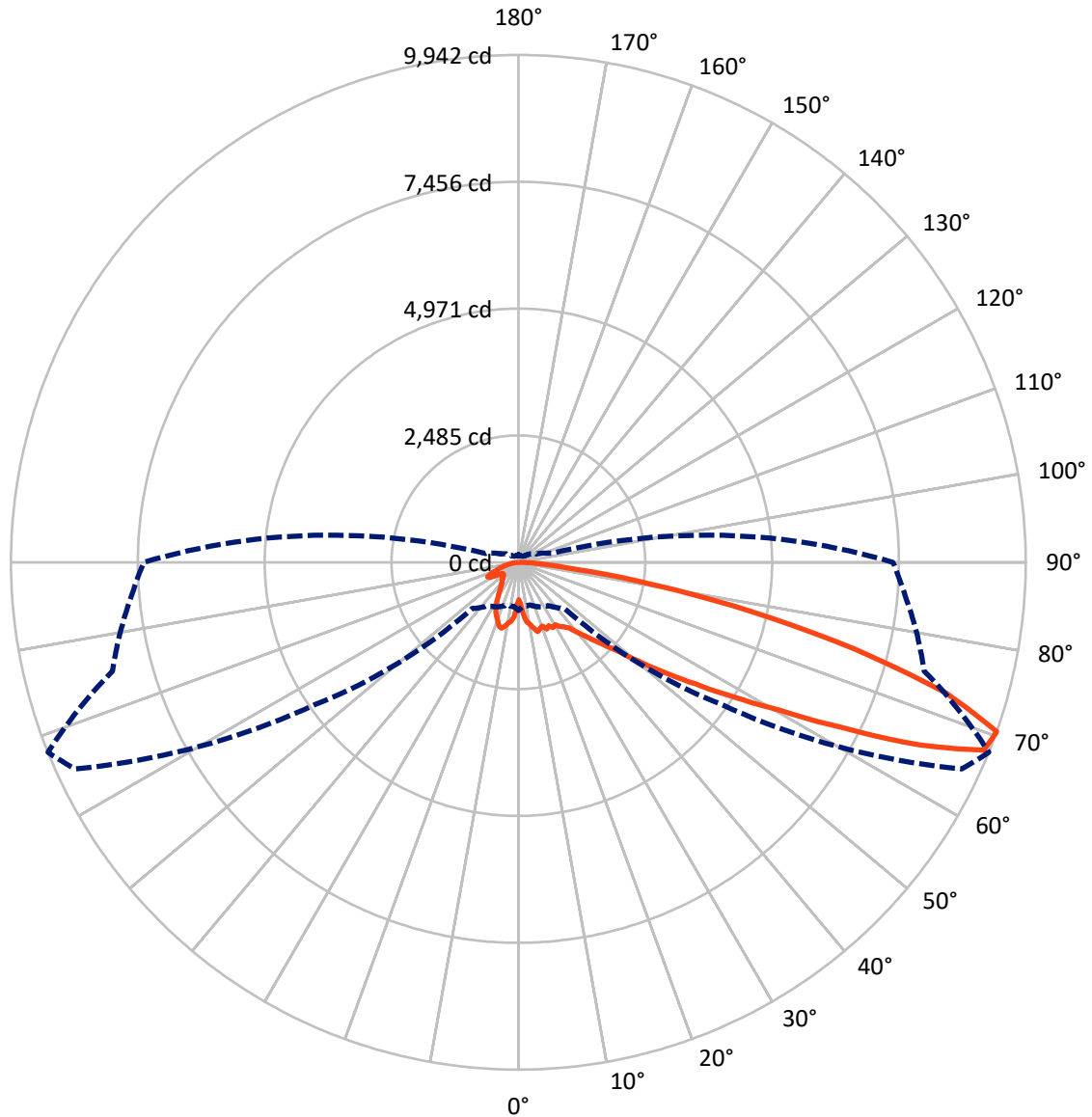
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P598416  
CATALOG NUMBER: PMM-SA3A-835-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P598416

CATALOG NUMBER: PMM-SA3A-835-U-SL2

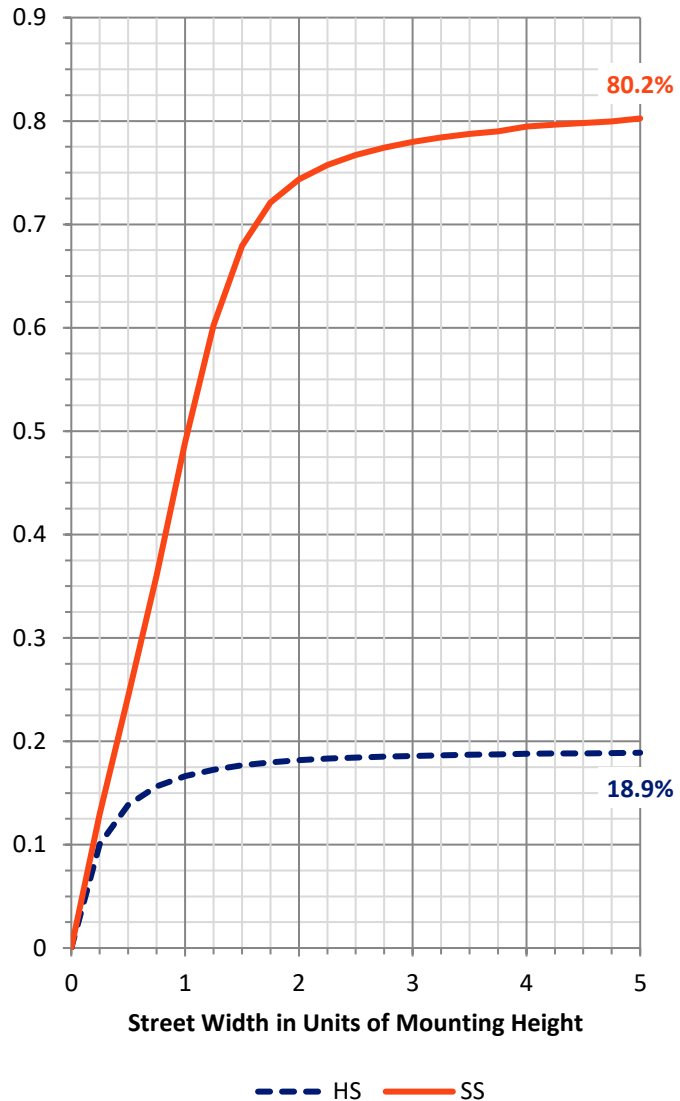
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1834.2	0.0	1834.2
	% Fixture	19.1	0.0	19.1
<b>Street Side</b>	Lumens	7772.8	0.0	7772.8
	% Fixture	80.9	0.0	80.9
<b>Total</b>	Lumens	9607.0	0.0	9607.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.4	1.0
10°-20°	320.6	3.3
20°-30°	487.8	5.1
30°-40°	745.0	7.8
40°-50°	1281.0	13.3
50°-60°	2120.4	22.1
60°-70°	2614.1	27.2
70°-80°	1679.3	17.5
80°-90°	260.5	2.7
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°	9607.0	100.0
0°-180°	9607.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P598416

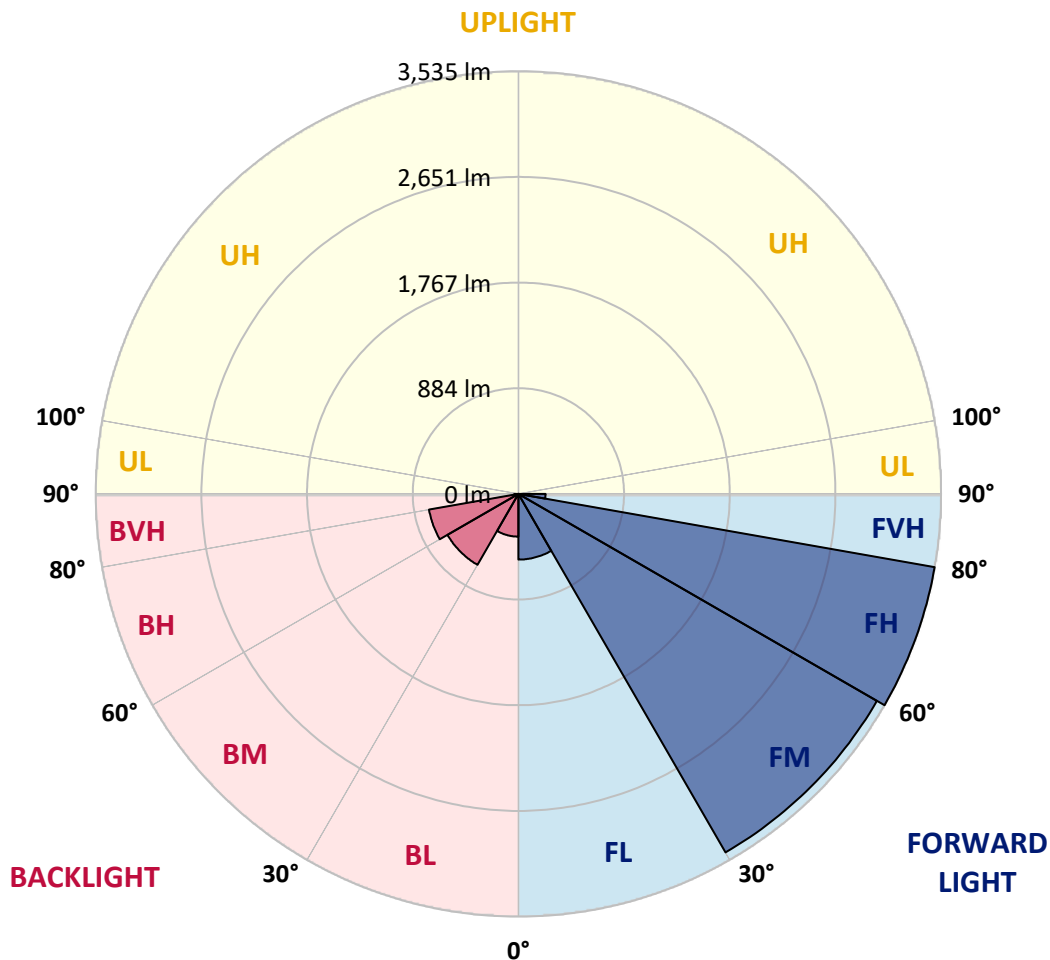
CATALOG NUMBER: PMM-SA3A-835-U-SL2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.4	5.7			
FM (30°-60°)	3461.8	36.0			
FH (60°-80°)	3534.6	36.8			G2/5000
FVH (80°-90°)	227.0	2.4			G3/500
BL (0°-30°)	357.4	3.7	B1/500		
BM (30°-60°)	684.6	7.1	B1/1000		
BH (60°-80°)	758.7	7.9	B2/1000		G2/1000
BVH (80°-90°)	33.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P598416

CATALOG NUMBER: PMM-SA3A-835-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6
2.5°	846.4	812.2	777.6	794.5	821.4	845.2	840.3	843.2	810.6	806.2	891.8
5°	997.1	938.4	937.2	938.0	940.5	913.1	979.9	1014.4	1022.1	1057.5	1141.5
7.5°	1049.4	1025.7	1001.6	1013.6	983.1	985.9	1067.9	1158.0	1179.3	1205.0	1320.0
10°	1038.6	1016.0	1023.3	1025.3	1030.9	1076.4	1129.0	1215.5	1233.6	1315.6	1345.3
12.5°	1040.2	1036.1	1069.9	1071.1	1131.4	1213.1	1234.0	1313.6	1320.8	1381.1	1505.4
15°	1095.3	1123.0	1104.1	1114.2	1125.8	1223.5	1253.7	1367.9	1411.3	1488.9	1582.2
17.5°	1202.6	1210.6	1154.0	1139.1	1177.3	1207.0	1275.8	1325.2	1370.7	1587.4	1716.1
20°	1227.5	1249.2	1181.7	1104.9	1185.7	1227.1	1275.0	1297.5	1332.9	1601.9	1784.4
22.5°	1334.5	1289.5	1207.8	1141.1	1167.6	1207.8	1242.4	1327.3	1420.1	1560.5	1852.8
25°	1395.2	1369.1	1296.3	1224.7	1202.2	1203.4	1270.2	1346.1	1378.3	1621.2	1866.4
27.5°	1542.0	1500.1	1336.5	1322.8	1238.0	1172.1	1274.6	1392.8	1449.1	1573.7	1933.2
30°	1725.7	1693.9	1479.2	1461.1	1331.7	1216.7	1330.9	1427.4	1419.3	1604.7	1979.4
32.5°	1874.5	1927.6	1710.8	1568.1	1476.0	1365.9	1313.2	1421.3	1501.4	1676.7	2057.8
35°	2086.8	2136.6	1891.4	1794.9	1595.0	1435.0	1436.6	1504.2	1553.6	1760.7	2145.5
37.5°	2454.3	2410.4	2213.0	2060.6	1932.8	1693.9	1622.4	1598.7	1638.5	1863.6	2317.2
40°	2719.2	2682.2	2449.8	2363.0	2114.1	1975.4	1779.2	1756.7	1827.0	1969.8	2457.5
42.5°	3033.3	2967.3	2751.0	2679.4	2419.3	2169.2	1971.4	1984.2	2018.4	2170.0	2647.3
45°	3352.9	3192.9	3070.3	3064.6	2890.9	2545.5	2279.8	2269.3	2270.5	2464.7	2860.4
47.5°	3606.6	3462.7	3322.4	3255.6	3168.0	3196.5	2727.7	2605.0	2568.1	2761.5	3180.0
50°	3778.3	3612.7	3453.8	3438.1	3672.2	3826.2	3148.3	3017.2	3040.1	3186.0	3606.2
52.5°	3781.9	3585.3	3419.7	3529.4	4080.7	4301.0	3872.8	3506.5	3579.7	3679.0	4162.3
55°	3519.0	3315.1	3207.4	3457.4	4240.3	4864.3	4890.8	4290.6	4206.1	4242.7	4826.9
57.5°	2964.5	2758.6	2695.9	2995.5	3937.5	5407.5	6120.4	5227.4	4979.7	4826.9	5508.0
60°	2231.5	2053.4	2014.4	2205.4	3264.5	5247.9	7115.9	6393.4	5888.8	5479.5	6191.2
62.5°	1673.4	1545.6	1486.9	1514.2	2258.9	4728.8	7769.7	7866.6	7152.1	6192.0	6858.6
65°	1359.8	1256.5	1204.2	1168.8	1404.9	3656.5	7651.5	9106.6	8627.7	6940.2	7378.1
67.5°	1135.9	1044.2	1020.1	1054.6	1110.5	2121.4	6726.7	9800.2	9832.8	7678.4	7681.7
70°	942.9	874.9	866.1	964.2	1037.8	1280.2	4858.7	9582.3	9941.7	8232.1	7610.5
72.5°	728.6	692.0	690.8	844.8	1030.9	1091.2	2893.3	8277.9	8760.8	8055.2	6914.1
75°	505.4	480.1	499.4	694.4	1007.2	1106.9	1651.3	6447.7	6809.2	6854.6	5538.6
77.5°	347.8	326.5	347.4	502.2	899.4	1133.5	1155.2	4662.1	4702.3	4596.5	3172.4
80°	242.0	227.2	243.3	355.4	700.0	1121.8	983.5	2935.2	2693.1	2051.4	1015.6
82.5°	150.0	145.6	163.2	253.3	492.9	1020.5	932.0	1514.6	1156.4	566.1	362.7
85°	78.8	72.4	94.9	165.3	308.4	800.9	873.3	691.2	446.3	201.0	145.6
87.5°	23.3	20.9	36.6	66.7	130.7	359.1	499.8	293.1	166.5	59.1	45.4
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: P598416  
 CATALOG NUMBER: PMM-SA3A-835-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6
2.5°	897.8	893.4	833.9	841.5	854.4	857.6	857.2	835.5	812.6	876.5	874.5
5°	1143.5	1103.7	1073.9	1067.5	1030.9	994.3	1007.2	1002.8	997.1	1026.1	1029.7
7.5°	1320.4	1265.3	1230.8	1141.9	1057.5	984.3	1007.6	1014.8	1000.4	1052.6	1068.3
10°	1367.1	1323.6	1286.2	1172.1	1125.4	1082.8	1019.7	947.7	938.0	907.9	911.5
12.5°	1487.3	1481.2	1353.8	1253.3	1192.6	1107.7	971.4	884.2	809.4	813.0	791.3
15°	1582.2	1585.4	1432.2	1291.5	1128.6	999.2	838.7	730.2	653.4	638.1	622.4
17.5°	1709.6	1703.2	1438.6	1245.6	1039.4	849.6	653.0	545.2	532.3	541.2	527.5
20°	1765.1	1708.4	1397.6	1131.8	899.8	645.3	493.3	436.3	461.2	496.6	497.4
22.5°	1815.0	1718.1	1376.3	1040.2	714.1	469.2	396.0	385.6	414.9	462.8	466.8
25°	1813.0	1762.7	1338.1	947.7	553.7	366.3	344.2	351.8	386.8	436.7	439.5
27.5°	1904.2	1728.5	1238.8	826.3	417.0	313.6	319.2	333.3	349.8	397.3	406.5
30°	1903.4	1792.1	1188.9	678.7	334.9	287.5	302.0	314.0	327.7	371.1	376.3
32.5°	1948.5	1750.6	1158.8	527.9	300.4	281.1	284.7	296.7	316.4	345.8	349.4
35°	2002.7	1797.7	1062.3	419.4	287.5	275.4	278.2	285.1	303.2	330.1	333.7
37.5°	2176.8	1806.5	1024.1	353.4	286.7	273.0	272.6	276.2	296.7	321.3	332.1
40°	2244.8	1887.3	912.7	330.1	283.9	273.0	267.4	269.4	286.3	317.6	326.1
42.5°	2407.6	1914.3	830.3	322.1	283.9	268.2	259.3	262.6	282.3	310.0	323.3
45°	2575.3	1952.5	732.2	320.5	283.5	267.8	250.9	258.1	274.2	297.5	312.0
47.5°	2814.1	2090.0	634.1	315.6	280.2	269.8	248.9	248.5	262.6	282.7	296.3
50°	3203.7	2304.7	558.1	309.6	280.6	268.2	244.9	239.2	248.5	266.2	279.4
52.5°	3746.1	2670.6	528.3	306.4	277.4	261.8	238.0	229.2	234.4	248.5	261.3
55°	4375.8	3164.7	557.7	306.4	271.0	251.7	228.4	217.9	220.7	230.4	242.9
57.5°	5111.6	3778.7	699.6	302.0	263.0	239.6	216.7	204.7	205.5	213.9	225.2
60°	5880.0	4464.6	1017.7	298.3	257.3	226.4	203.0	190.6	189.4	197.4	207.5
62.5°	6649.5	5097.5	1352.2	306.8	255.7	215.1	188.6	176.1	175.7	182.9	191.4
65°	7261.5	5530.1	1435.4	341.0	266.2	202.2	173.7	162.0	161.2	167.3	176.5
67.5°	7561.8	5592.9	1090.4	383.6	288.3	190.2	159.2	148.4	147.6	154.0	162.0
70°	7339.5	5164.3	673.1	388.0	287.1	176.1	144.3	135.1	133.5	140.3	146.4
72.5°	6516.8	4517.3	511.4	343.4	248.5	156.0	129.5	121.4	119.0	125.0	130.7
75°	5230.6	3586.5	409.7	277.0	195.8	131.5	114.6	107.0	104.1	109.8	114.6
77.5°	3046.9	2017.6	299.5	216.3	148.0	107.4	97.7	90.9	87.7	93.7	97.3
80°	990.7	672.3	188.2	155.2	108.2	84.0	79.2	74.4	71.2	75.2	76.4
82.5°	355.8	250.1	104.1	95.3	72.0	60.3	59.9	57.1	53.1	54.7	54.7
85°	157.6	114.2	61.9	51.1	43.0	32.2	37.8	35.8	31.8	31.0	29.8
87.5°	44.2	37.8	22.5	17.3	14.1	5.2	12.1	10.9	8.8	8.0	5.6
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)