

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: P598476

Luminaire Tested: **PMM-SA3C-835-U-T4W**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-14)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-835-U-T4W
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15218 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

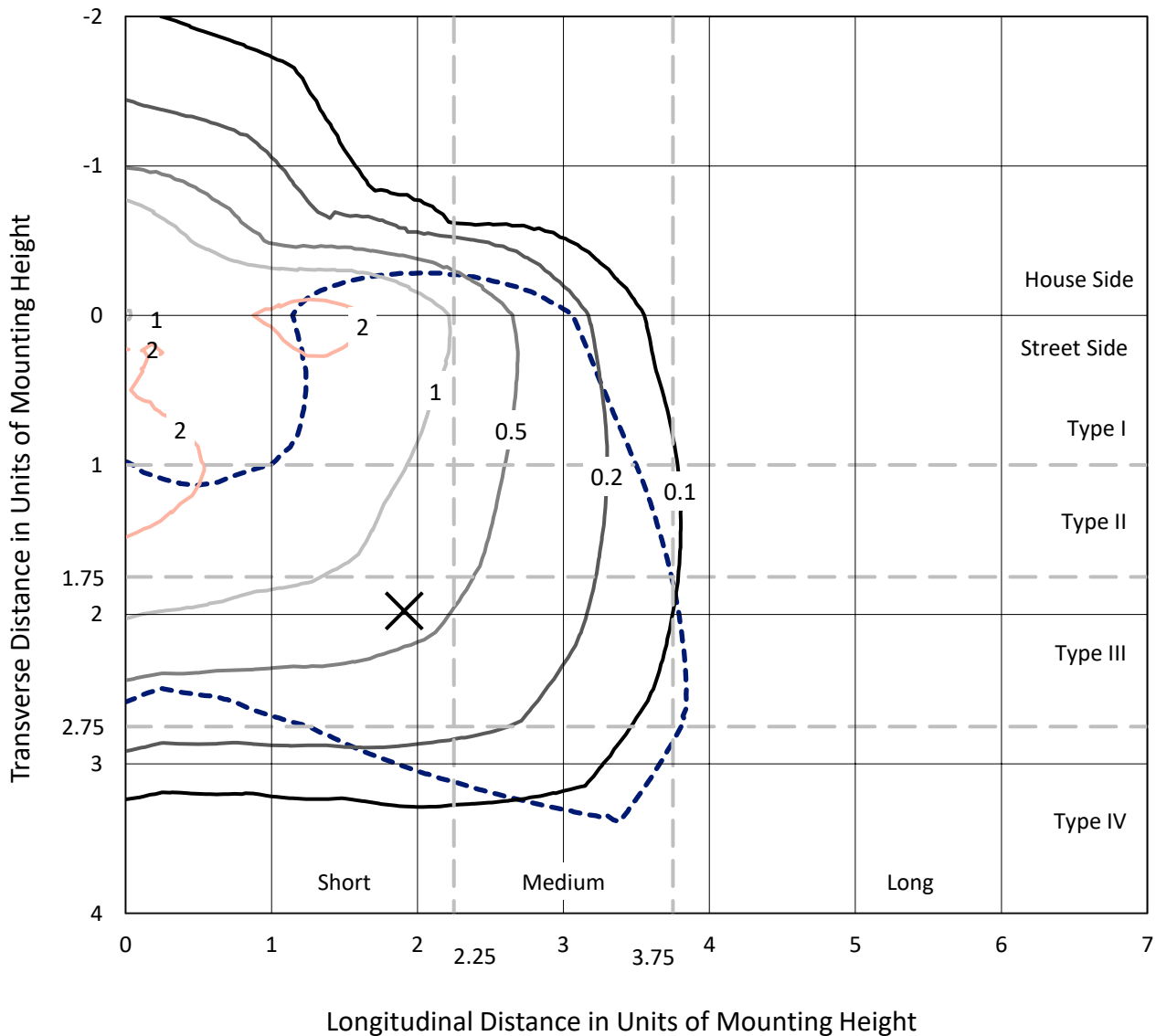
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

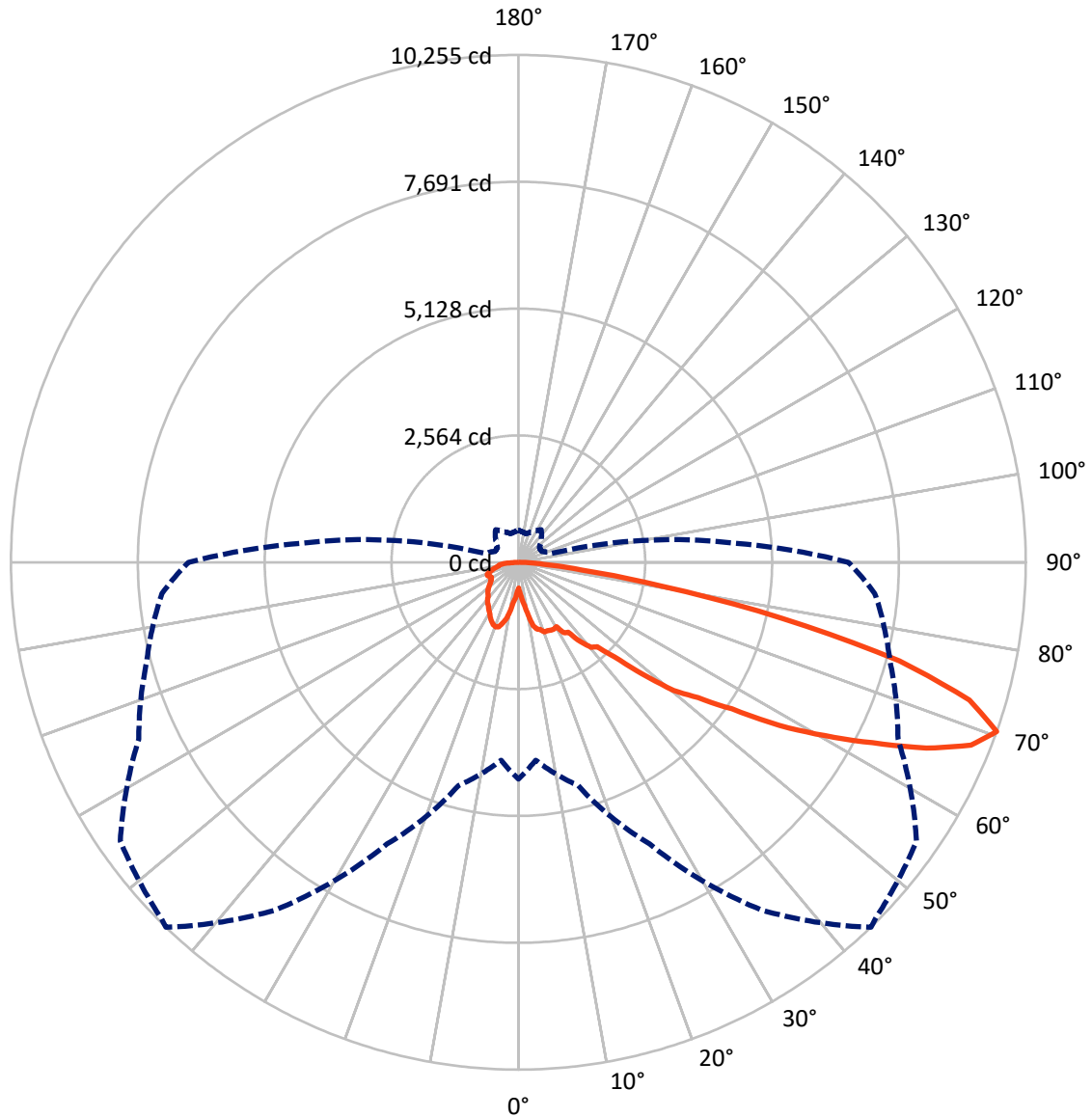
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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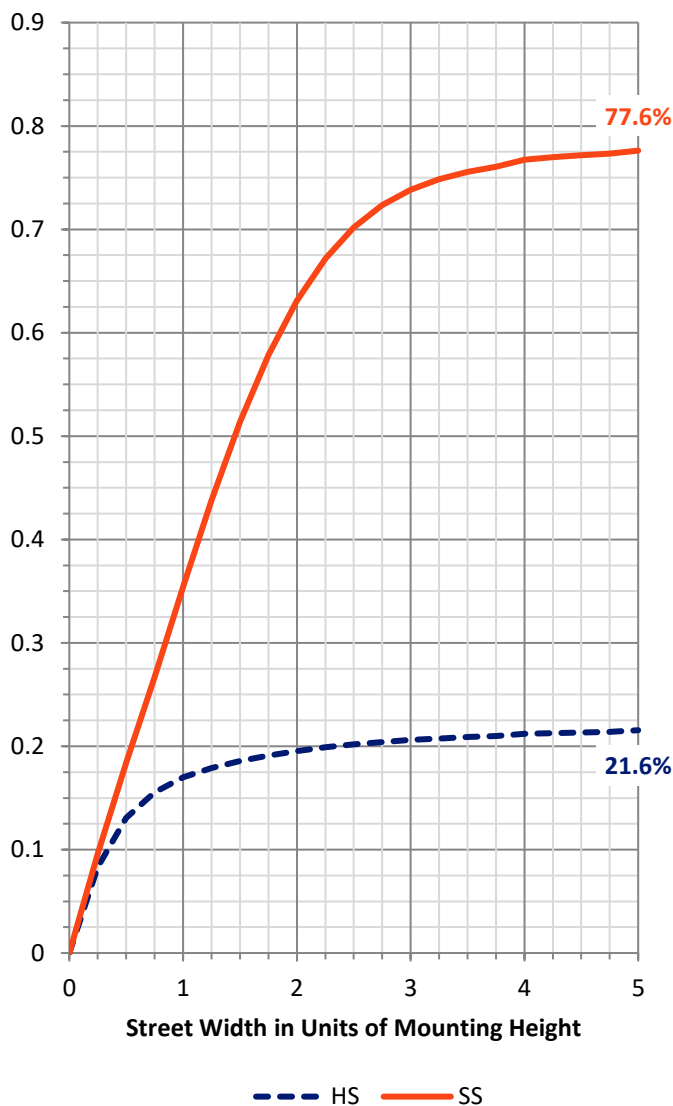
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3357.7	0.0	3357.7
	% Fixture	22.1	0.0	22.1
Street Side	Lumens	11860.3	0.0	11860.3
	% Fixture	77.9	0.0	77.9
Total	Lumens	15218.0	0.0	15218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	0.5
10°-20°	373.5	2.5
20°-30°	697.9	4.6
30°-40°	1120.3	7.4
40°-50°	1890.9	12.4
50°-60°	3369.6	22.1
60°-70°	4609.2	30.3
70°-80°	2710.5	17.8
80°-90°	365.0	2.4
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°	15218.0	100.0
0°-180°	15218.0	100.0

Coefficient of Utilization



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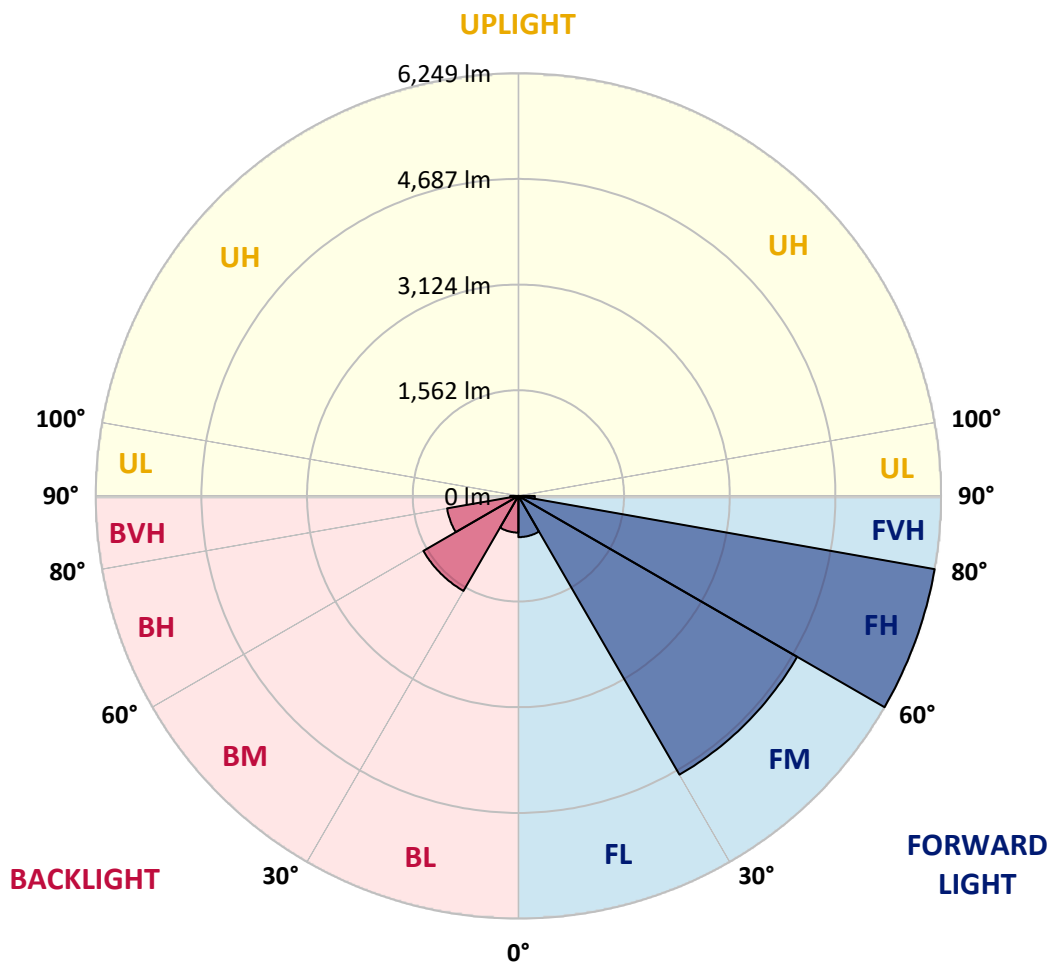
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.9	4.0			
FM (30°-60°)	4758.2	31.3			
FH (60°-80°)	6249.0	41.1			G3/7500
FVH (80°-90°)	243.2	1.6			G3/500
BL (0°-30°)	542.7	3.6	B2/1000		
BM (30°-60°)	1622.6	10.7	B2/2500		
BH (60°-80°)	1070.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	121.7	0.8			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	627.7	615.2	585.3	595.3	607.8	612.7	611.5	610.3	590.9	584.0	618.4
5°	853.0	825.5	803.7	795.0	766.2	743.8	730.1	766.2	760.6	770.0	793.7
7.5°	1065.1	1047.7	998.4	980.9	922.2	883.6	879.2	907.9	915.4	900.4	941.0
10°	1201.8	1171.8	1161.9	1120.0	1079.5	1073.2	1069.5	1056.4	1038.3	1037.1	1000.9
12.5°	1307.9	1323.5	1331.6	1283.5	1284.8	1307.2	1295.4	1242.3	1211.8	1158.1	1162.5
15°	1498.2	1520.6	1456.4	1425.8	1367.1	1400.8	1396.5	1352.2	1347.8	1312.9	1272.3
17.5°	1664.2	1674.1	1566.8	1496.9	1477.0	1428.3	1441.4	1442.6	1385.2	1447.6	1411.4
20°	1677.9	1713.5	1589.9	1450.8	1510.7	1504.4	1506.3	1493.8	1418.3	1521.3	1507.5
22.5°	1745.3	1691.0	1579.9	1478.2	1493.8	1503.2	1511.9	1496.9	1492.6	1550.0	1591.8
25°	1732.8	1715.3	1603.0	1516.9	1518.8	1520.6	1525.0	1569.9	1564.9	1642.9	1664.8
27.5°	1849.5	1822.6	1609.9	1588.7	1540.0	1529.4	1499.4	1593.0	1666.0	1664.2	1784.6
30°	2071.6	2044.2	1769.6	1707.8	1619.9	1511.3	1568.7	1693.5	1750.9	1770.2	1923.1
32.5°	2418.5	2463.5	2084.1	1835.1	1725.9	1702.2	1696.0	1683.5	1825.8	1921.2	2060.4
35°	2916.5	2880.9	2454.7	2107.8	1837.6	1735.9	1749.6	1825.8	1994.9	2056.6	2185.2
37.5°	3486.8	3413.2	2929.6	2416.7	2159.6	2032.3	1986.8	2060.4	2097.8	2146.5	2409.2
40°	4066.5	3886.8	3395.7	2822.9	2353.0	2256.9	2217.0	2126.5	2214.5	2313.1	2646.9
42.5°	4626.2	4487.0	3903.0	3307.7	2678.7	2336.2	2314.3	2225.7	2498.4	2602.6	2990.1
45°	5212.7	4890.1	4422.8	3855.0	3154.8	2724.9	2692.5	2533.4	2882.8	3099.9	3474.3
47.5°	5607.1	5308.2	4898.9	4299.2	3553.6	3375.1	3313.3	3041.3	3358.3	3640.3	4222.5
50°	5980.2	5672.6	5242.7	4785.3	4275.5	4070.2	3938.6	3485.6	3950.4	4409.7	5181.5
52.5°	6514.4	6239.2	5642.0	5275.1	5051.1	4546.3	4448.4	4199.4	4643.0	5262.7	6229.8
55°	7085.3	6710.3	6169.3	5965.9	5875.4	5229.0	5149.1	4990.6	5565.3	6135.6	7248.8
57.5°	7337.4	6946.2	6647.9	6526.2	6518.7	6221.1	6129.4	6018.9	6508.1	6884.4	8207.8
60°	7537.7	7117.7	6998.6	7066.6	7313.7	7117.7	6998.6	6901.2	7275.6	7624.4	8990.3
62.5°	7500.9	7079.7	7140.8	7348.0	7978.8	8036.2	7944.5	7708.7	8036.2	8230.9	9439.0
65°	6906.8	6517.5	6873.8	7365.5	8597.2	9055.8	9050.8	8433.7	8547.3	8547.3	9391.5
67.5°	5866.0	5462.9	6046.4	7211.3	9024.6	9863.9	9865.1	9202.5	8594.1	8515.5	8657.7
70°	4380.3	4015.3	4671.1	6280.4	8583.5	10255.1	10198.3	9822.7	8465.5	7778.5	7231.9
72.5°	2616.4	2380.5	2983.9	4571.9	7321.8	9535.7	9686.7	9108.2	7749.8	6468.8	5169.7
75°	1188.1	1085.7	1402.1	2626.3	5227.1	7953.9	8118.0	7686.8	6155.6	4652.4	2987.6
77.5°	508.5	481.1	612.1	1165.0	2882.2	5439.2	5775.6	5493.5	4170.7	2703.7	1321.6
80°	327.0	309.5	376.3	560.3	1338.4	2938.9	3228.5	3123.0	2124.7	1051.4	465.5
82.5°	195.3	189.7	251.5	351.9	730.1	1293.5	1457.6	1496.3	882.3	471.7	266.4
85°	106.7	107.9	137.9	213.4	438.0	503.6	539.1	586.5	415.6	273.3	129.2
87.5°	35.6	41.2	55.5	86.7	156.0	142.3	142.9	166.0	175.3	113.6	41.2
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	624.0	612.7	584.0	585.9	596.5	599.0	602.1	584.0	580.3	614.6	617.7
5°	797.4	760.6	743.8	738.2	721.9	716.3	746.3	760.0	773.7	800.6	813.7
7.5°	936.6	895.4	864.8	836.8	813.0	799.3	849.9	888.5	912.3	967.2	992.1
10°	1000.2	964.7	953.4	931.0	949.1	990.3	999.6	1000.9	1053.3	1052.0	1062.6
12.5°	1126.9	1103.8	1067.0	1075.1	1122.5	1165.0	1153.1	1171.2	1189.9	1234.9	1214.3
15°	1242.3	1236.1	1201.8	1207.4	1216.8	1269.8	1276.7	1294.8	1323.5	1359.0	1334.7
17.5°	1384.6	1382.1	1298.5	1291.0	1312.9	1364.6	1348.4	1316.6	1411.4	1449.5	1439.5
20°	1481.3	1462.6	1355.3	1323.5	1379.0	1385.9	1367.1	1316.6	1399.0	1482.0	1504.4
22.5°	1561.8	1540.0	1429.5	1367.1	1355.9	1359.0	1359.0	1349.7	1390.2	1458.2	1457.6
25°	1626.7	1647.3	1506.9	1447.0	1387.1	1312.2	1302.9	1311.0	1334.1	1465.1	1460.7
27.5°	1789.6	1732.8	1533.1	1488.2	1365.3	1247.3	1272.9	1285.4	1292.9	1436.4	1460.1
30°	1895.7	1913.1	1626.7	1512.5	1333.4	1175.0	1183.7	1219.9	1263.6	1433.3	1440.1
32.5°	2038.5	2001.1	1772.7	1472.0	1248.6	1131.3	1115.1	1163.7	1228.6	1382.7	1401.5
35°	2171.5	2215.8	1834.5	1464.5	1189.3	1065.8	1083.2	1100.1	1167.5	1326.6	1348.4
37.5°	2483.4	2382.4	2008.0	1428.3	1140.0	1032.7	1014.0	1039.6	1097.0	1219.9	1270.4
40°	2720.6	2726.8	2045.4	1382.7	1045.8	985.3	945.3	970.9	995.2	1093.2	1115.1
42.5°	3165.5	3029.4	2137.1	1282.9	986.5	914.1	891.7	902.9	906.6	947.8	984.0
45°	3731.4	3412.5	2173.3	1148.7	908.5	884.8	839.3	833.6	813.0	818.7	850.5
47.5°	4514.5	4010.3	2147.1	1005.9	839.3	846.7	781.2	755.6	726.9	733.8	763.8
50°	5527.2	4774.1	2145.2	884.8	791.8	796.8	743.2	697.0	668.3	682.6	708.8
52.5°	6663.5	5540.3	2154.0	801.8	740.0	737.5	718.2	662.0	639.0	653.9	683.9
55°	7750.5	6199.2	2218.9	749.4	686.4	690.7	698.2	650.8	625.2	639.0	670.2
57.5°	8696.4	6719.6	2194.5	693.9	636.5	656.4	676.4	635.2	615.9	635.8	667.0
60°	9357.8	6961.1	2002.4	640.8	599.6	627.1	665.8	633.3	630.8	673.9	711.3
62.5°	9599.3	6871.9	1628.0	599.0	577.8	623.4	690.1	674.5	677.0	730.1	781.8
65°	9246.8	6402.7	1214.3	572.2	561.0	641.5	746.3	698.9	664.5	708.2	755.6
67.5°	8244.0	5568.4	887.3	549.1	541.6	670.2	798.1	696.4	632.7	677.0	715.7
70°	6669.7	4395.3	687.0	519.8	516.0	650.8	803.1	677.6	598.4	627.1	648.9
72.5°	4570.0	3009.5	569.1	491.7	471.7	576.6	762.5	635.8	557.2	574.1	592.2
75°	2554.0	1689.1	478.6	456.8	413.1	513.5	715.1	610.9	526.6	531.6	556.6
77.5°	1146.3	730.7	406.2	410.6	360.0	454.3	653.3	570.9	479.8	468.6	493.6
80°	433.7	356.3	329.5	346.9	302.6	393.7	589.0	534.8	430.5	416.2	430.5
82.5°	251.5	215.9	244.6	267.1	240.2	361.9	562.2	501.7	379.4	343.2	355.7
85°	116.7	111.7	146.6	173.5	167.9	282.0	481.1	377.5	270.2	228.4	252.7
87.5°	30.6	34.3	51.8	61.2	62.4	96.7	185.3	140.4	105.5	79.9	76.7
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)