

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P631394

Luminaire Tested: GWS-SA1F-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7185 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

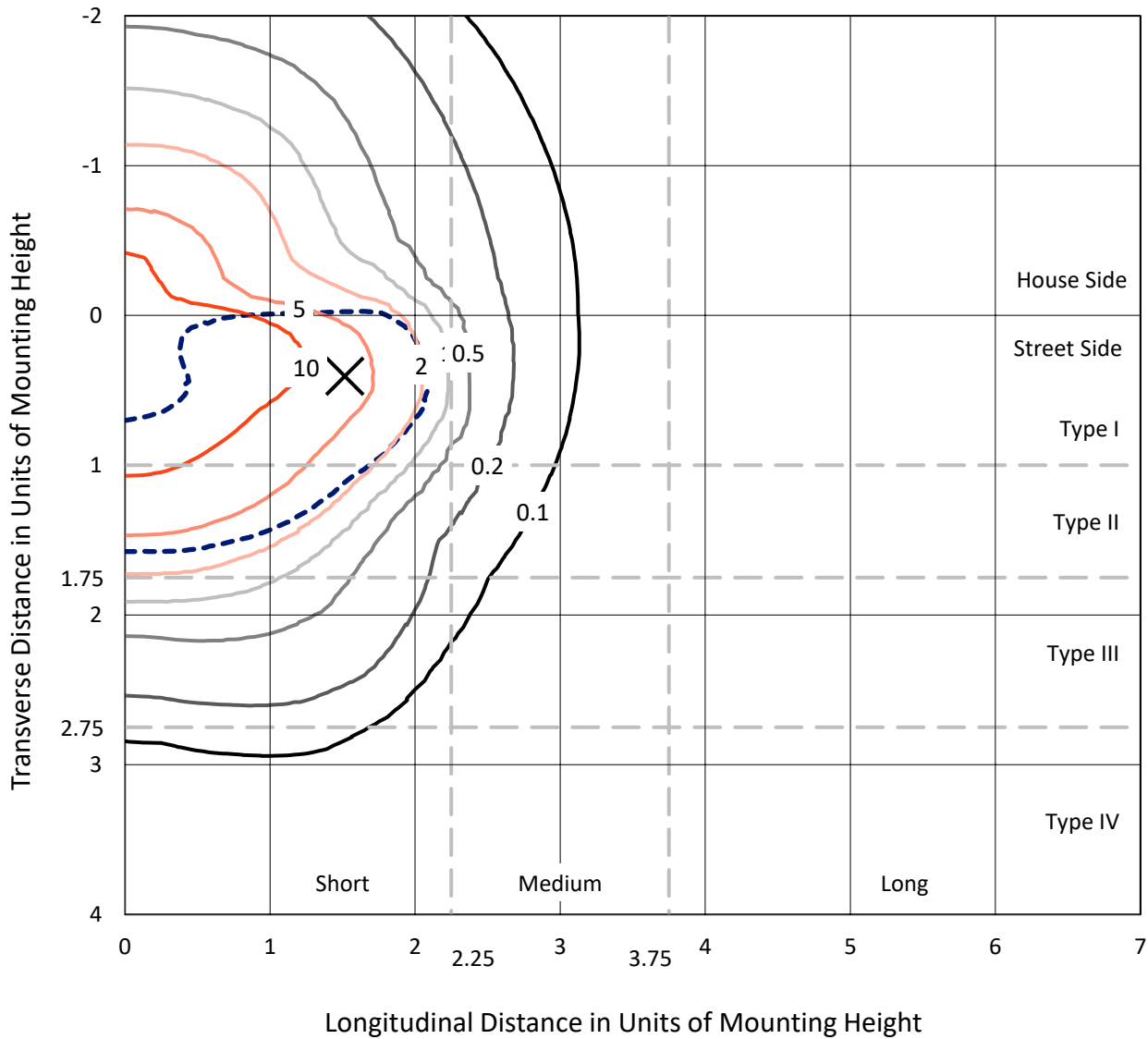
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

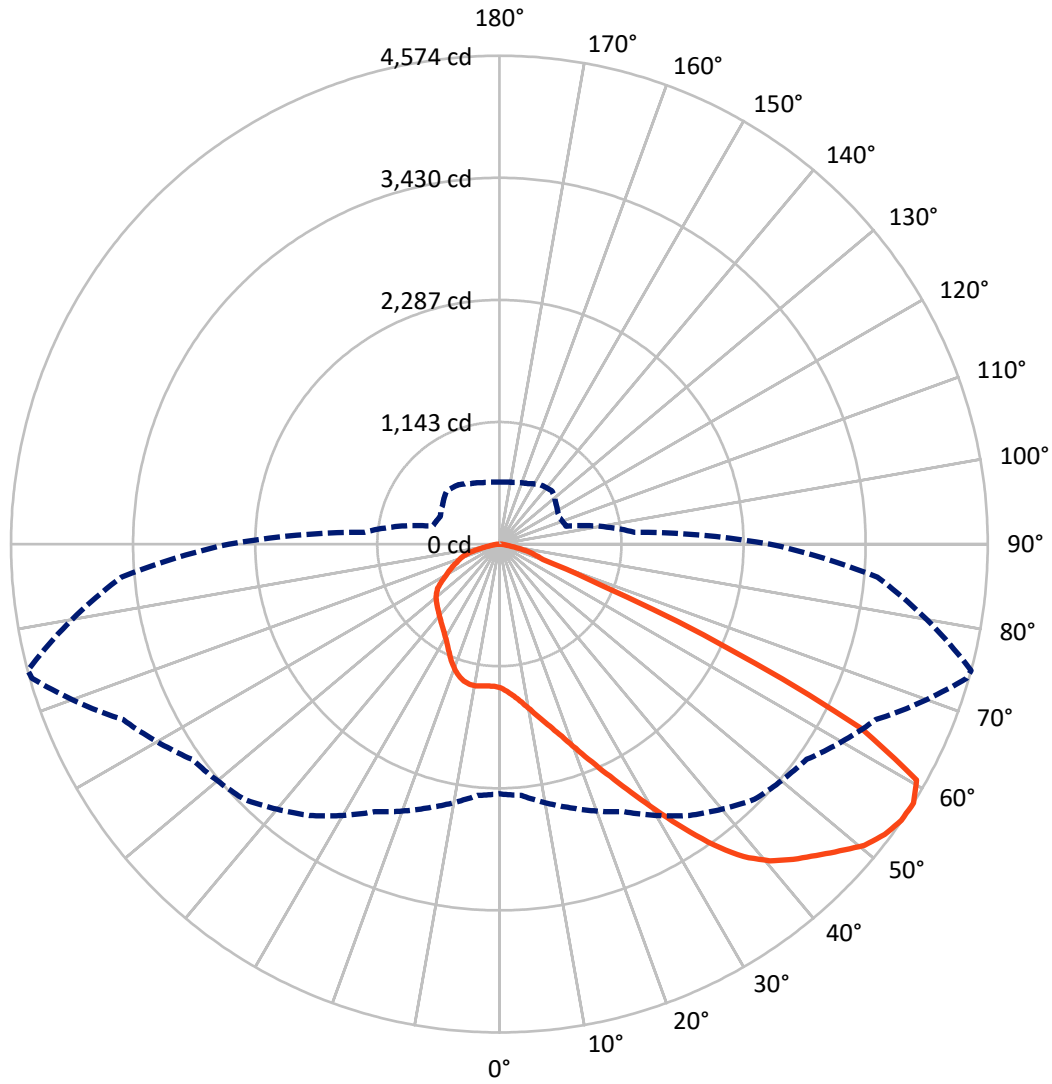
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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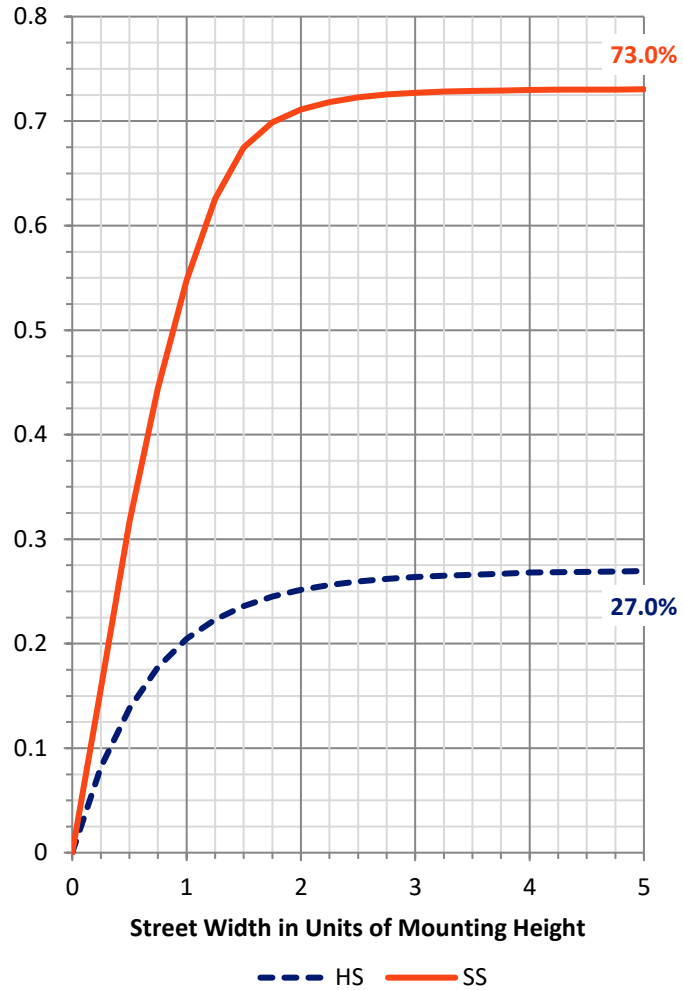
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1943.7	0.0	1943.7
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	5241.3	0.0	5241.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	7185.0	0.0	7185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	1.9
10°-20°	428.7	6.0
20°-30°	760.3	10.6
30°-40°	1163.9	16.2
40°-50°	1620.6	22.6
50°-60°	1856.9	25.8
60°-70°	954.1	13.3
70°-80°	240.2	3.3
80°-90°	25.7	0.4
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°	7185.0	100.0
0°-180°	7185.0	100.0

Coefficient of Utilization



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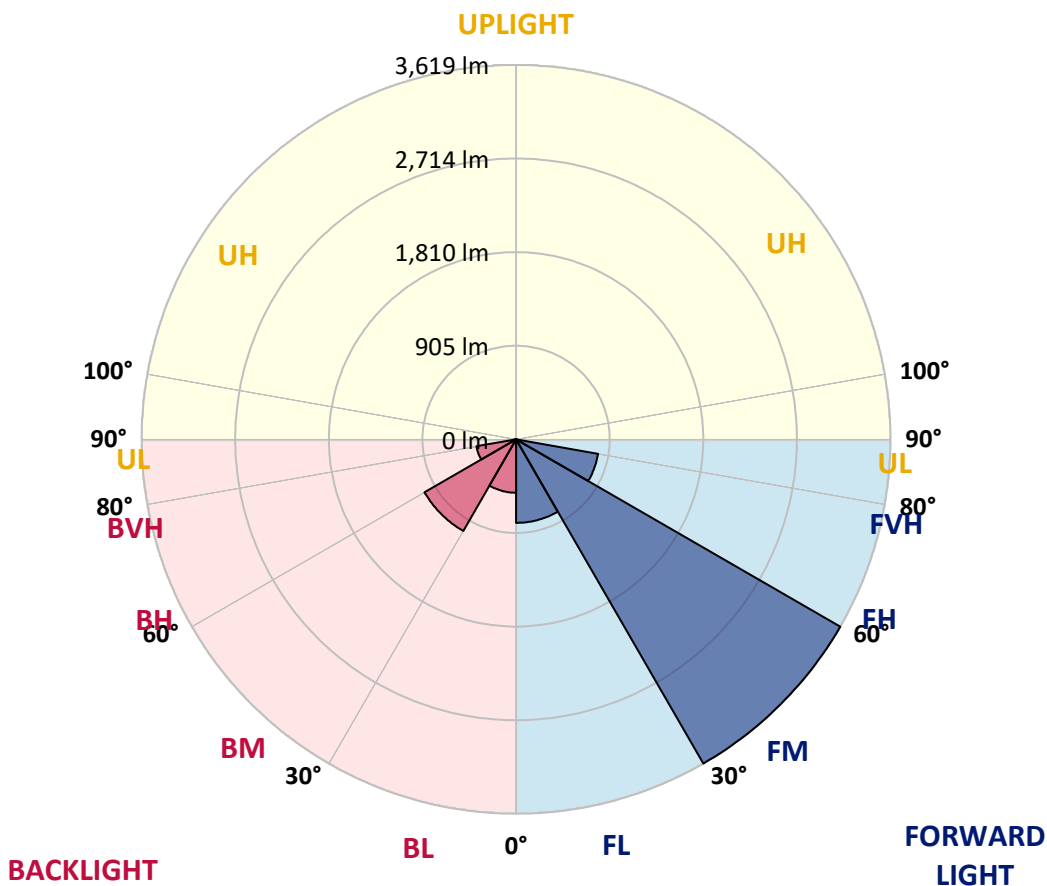
CATALOG NUMBER: GWS-SA1F-750-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	807.3	11.2			
FM (30°-60°)	3619.2	50.4			
FH (60°-80°)	805.4	11.2			G1/1800
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	516.4	7.2	B2/1000		
BM (30°-60°)	1022.2	14.2	B2/2500		
BH (60°-80°)	388.9	5.4	B1/500		G1/500
BVH (80°-90°)	16.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6
2.5°	1445.7	1449.4	1445.7	1451.8	1439.5	1433.9	1420.3	1399.9	1383.9	1381.4	1363.5
5°	1558.1	1566.1	1561.2	1558.7	1542.0	1529.7	1509.3	1468.5	1435.2	1430.2	1395.0
7.5°	1630.4	1635.9	1635.9	1637.8	1631.6	1617.4	1595.8	1547.6	1500.6	1493.2	1440.1
10°	1654.5	1658.8	1666.8	1682.3	1694.6	1699.0	1684.8	1638.4	1581.0	1573.5	1499.4
12.5°	1660.0	1665.0	1677.3	1705.8	1739.7	1770.6	1773.1	1739.1	1674.9	1666.8	1568.0
15°	1670.5	1675.5	1692.2	1727.4	1777.4	1836.7	1873.2	1849.7	1778.7	1770.0	1645.8
17.5°	1669.3	1674.9	1699.6	1746.5	1813.9	1899.7	1970.2	1980.1	1906.5	1891.7	1734.2
20°	1666.2	1671.2	1697.7	1755.2	1838.6	1956.6	2083.9	2135.1	2056.1	2042.5	1837.4
22.5°	1690.9	1696.5	1716.9	1764.4	1851.6	2000.5	2188.9	2312.4	2233.4	2214.2	1956.0
25°	1746.5	1754.6	1766.9	1799.7	1875.0	2039.4	2296.4	2513.2	2432.3	2409.4	2085.1
27.5°	1832.4	1842.3	1859.6	1875.0	1927.5	2088.8	2403.3	2738.1	2657.2	2633.1	2221.6
30°	1937.4	1950.4	1972.6	1983.2	2019.0	2161.7	2519.4	2969.8	2922.8	2889.5	2375.5
32.5°	2082.6	2100.5	2121.5	2124.6	2146.3	2272.3	2634.3	3199.6	3199.0	3175.5	2550.3
35°	2271.7	2290.8	2295.1	2299.5	2310.0	2424.3	2773.3	3409.0	3490.0	3462.8	2740.6
37.5°	2478.0	2505.8	2512.6	2493.5	2508.3	2607.1	2929.6	3577.1	3743.3	3714.2	2924.7
40°	2698.6	2709.7	2728.2	2698.0	2716.5	2816.6	3082.8	3684.6	3932.3	3901.4	3069.9
42.5°	2856.7	2877.1	2904.9	2893.8	2904.3	2995.7	3190.3	3736.5	4067.0	4036.1	3174.3
45°	3028.5	3034.7	3052.6	3050.1	3056.3	3141.5	3267.6	3759.3	4187.5	4159.7	3263.2
47.5°	3178.0	3187.3	3199.0	3185.4	3171.8	3227.4	3330.6	3779.1	4326.5	4293.1	3356.5
50°	3321.9	3330.0	3344.2	3304.6	3254.0	3268.2	3361.5	3806.3	4456.8	4433.4	3430.1
52.5°	3348.5	3357.1	3423.9	3431.9	3367.0	3317.0	3415.8	3866.2	4533.4	4518.6	3456.6
55°	3014.3	3029.7	3162.5	3315.1	3475.1	3459.1	3503.0	3897.7	4563.7	4567.4	3504.2
57.5°	2339.6	2361.9	2555.9	2765.3	3102.0	3380.6	3514.1	3889.7	4553.2	4573.6	3553.0
60°	1534.6	1547.6	1777.4	2012.2	2361.2	2746.8	3145.2	3745.1	4459.9	4489.0	3540.6
62.5°	926.7	941.5	1126.3	1304.2	1509.9	1767.5	2133.3	3009.9	3738.3	3803.2	2835.7
65°	646.8	666.6	828.5	974.9	1045.9	992.8	1080.5	1681.0	2329.1	2356.3	1732.9
67.5°	468.9	482.5	615.3	789.6	868.0	701.2	534.4	744.5	1014.4	1024.3	714.8
70°	307.0	322.5	443.0	601.1	708.6	568.4	399.7	402.8	426.9	431.8	415.2
72.5°	168.7	177.9	273.7	399.1	418.9	339.8	312.0	334.8	351.5	351.5	355.9
75°	87.1	95.1	111.8	131.6	158.8	186.0	224.9	258.9	276.8	278.0	276.2
77.5°	44.5	47.6	59.9	64.9	71.0	82.8	107.5	137.8	153.8	160.0	158.8
80°	21.0	22.2	25.3	29.7	36.5	46.3	58.1	69.2	79.1	80.3	87.1
82.5°	11.1	12.4	13.6	16.1	19.8	24.7	34.0	40.8	47.0	48.2	53.7
85°	4.3	4.9	5.6	6.2	8.6	10.5	14.2	19.2	23.5	23.5	27.8
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.5	3.1	4.3	4.3	7.4
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°	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6	1345.6
2.5°	1359.2	1341.3	1333.2	1320.2	1309.7	1298.0	1288.7	1281.9	1277.6	1275.1	1272.7
5°	1381.4	1354.2	1332.6	1306.7	1288.7	1271.4	1257.2	1247.3	1242.4	1238.7	1236.2
7.5°	1416.0	1379.6	1338.8	1298.6	1267.1	1239.3	1221.4	1210.9	1204.1	1201.6	1199.8
10°	1463.6	1412.9	1345.6	1281.9	1235.0	1204.7	1192.4	1187.4	1188.0	1186.8	1186.2
12.5°	1517.3	1448.1	1343.7	1252.3	1200.4	1182.5	1183.1	1191.1	1200.4	1202.9	1203.5
15°	1575.4	1482.7	1325.8	1214.0	1173.2	1175.1	1191.1	1210.3	1227.6	1234.4	1235.6
17.5°	1638.4	1511.8	1293.1	1172.0	1151.0	1170.7	1200.4	1231.9	1257.2	1268.4	1271.4
20°	1708.8	1536.5	1246.7	1130.6	1130.0	1162.7	1206.0	1247.3	1279.5	1294.3	1296.8
22.5°	1783.6	1551.9	1189.9	1092.3	1108.3	1152.2	1201.6	1244.9	1278.9	1293.7	1296.8
25°	1859.0	1556.9	1127.5	1057.1	1086.1	1135.5	1180.6	1215.2	1247.3	1260.3	1262.8
27.5°	1929.4	1542.7	1068.2	1026.8	1065.7	1110.8	1141.1	1159.6	1181.9	1191.7	1193.6
30°	2001.1	1514.2	1018.1	1002.7	1042.9	1076.8	1090.4	1091.7	1100.3	1100.3	1101.5
32.5°	2073.4	1472.2	974.3	979.2	1014.4	1036.7	1038.5	1024.3	1013.8	996.5	995.9
35°	2156.8	1429.6	938.4	952.7	981.1	994.7	989.1	961.9	936.6	908.2	906.9
37.5°	2234.0	1385.7	908.2	925.5	943.4	953.3	940.3	907.6	886.5	857.5	853.2
40°	2297.6	1346.2	879.1	897.1	905.7	914.4	893.3	866.8	869.9	853.8	853.2
42.5°	2334.7	1307.9	852.0	865.5	871.1	877.3	858.7	839.0	855.7	843.3	843.9
45°	2361.9	1274.5	827.2	832.2	845.8	855.0	837.7	815.5	819.2	771.6	760.5
47.5°	2392.8	1256.0	803.8	798.8	822.9	839.0	812.4	780.3	758.0	711.1	706.8
50°	2425.5	1249.2	779.1	765.5	794.5	809.9	779.1	738.9	709.9	684.5	682.1
52.5°	2436.6	1248.6	748.2	725.3	754.3	776.0	750.0	709.2	674.6	649.9	648.7
55°	2480.5	1266.5	708.6	670.3	697.5	742.0	722.8	664.1	636.3	625.2	624.0
57.5°	2531.8	1269.6	646.2	610.4	648.1	700.6	676.5	625.8	595.6	582.0	580.7
60°	2510.8	1193.6	579.5	564.7	606.1	661.7	639.4	595.6	560.3	547.4	546.1
62.5°	1913.3	842.7	530.7	525.1	561.0	605.4	601.1	555.4	522.0	512.8	511.5
65°	1151.0	591.9	483.7	483.1	508.5	551.1	556.6	519.6	484.4	471.4	471.4
67.5°	569.0	452.9	430.6	427.5	443.6	473.9	497.3	467.1	437.4	425.0	423.2
70°	402.2	399.1	391.7	383.0	386.1	398.5	408.4	383.0	351.5	339.2	336.7
72.5°	347.8	348.4	343.5	336.7	334.2	325.6	316.9	298.4	279.2	266.3	267.5
75°	270.0	271.2	274.3	271.8	265.0	255.8	246.5	223.0	207.6	195.2	192.8
77.5°	157.5	163.7	173.6	171.1	172.4	159.4	155.7	132.8	118.6	110.0	108.1
80°	89.0	92.7	97.0	100.1	96.4	90.8	82.8	70.4	66.1	59.9	58.7
82.5°	53.7	57.5	59.3	61.8	60.5	53.1	47.0	38.9	35.2	32.1	31.5
85°	27.2	29.7	31.5	32.7	29.0	24.1	21.6	17.3	14.8	13.0	13.0
87.5°	6.8	7.4	8.6	7.4	6.8	3.1	2.5	0.6	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

(END OF REPORT)