

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: P630907

Luminaire Tested: GWS-SA1E-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6615.7 lumens
Efficiency: N/A
Efficacy: 113.3 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

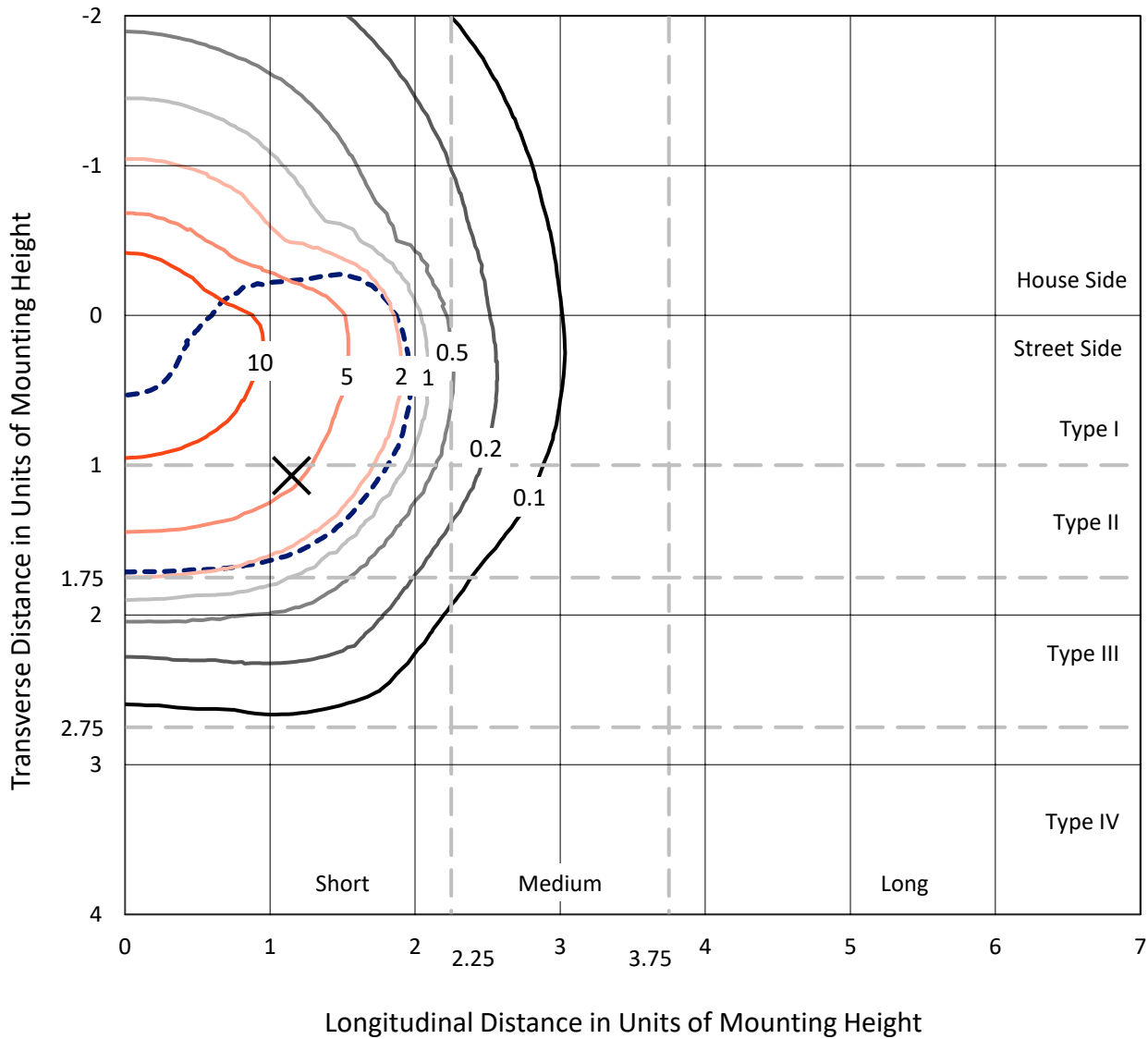
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

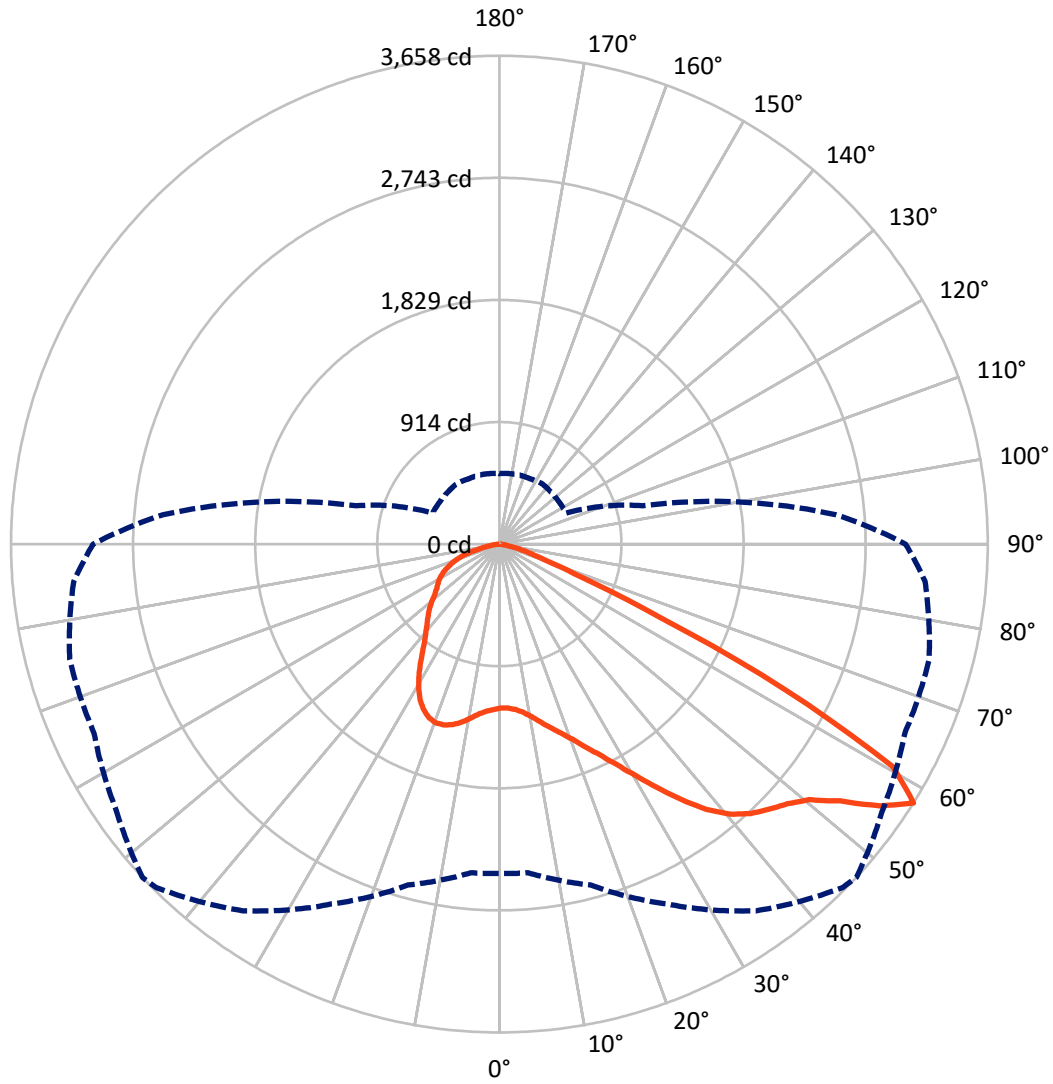
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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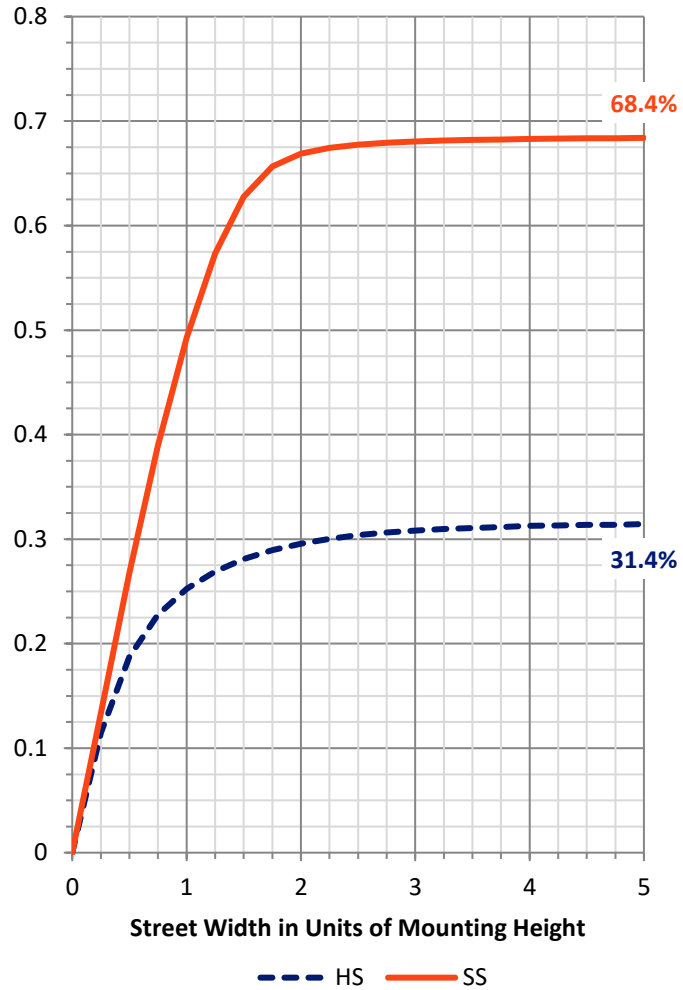
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2093.9	0.0	2093.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	4521.8	0.0	4521.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	6615.7	0.0	6615.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	1.8
10°-20°	398.0	6.0
20°-30°	716.7	10.8
30°-40°	1082.4	16.4
40°-50°	1457.6	22.0
50°-60°	1751.5	26.5
60°-70°	853.0	12.9
70°-80°	210.1	3.2
80°-90°	25.3	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°	6615.7	100.0
0°-180°	6615.7	100.0

Coefficient of Utilization



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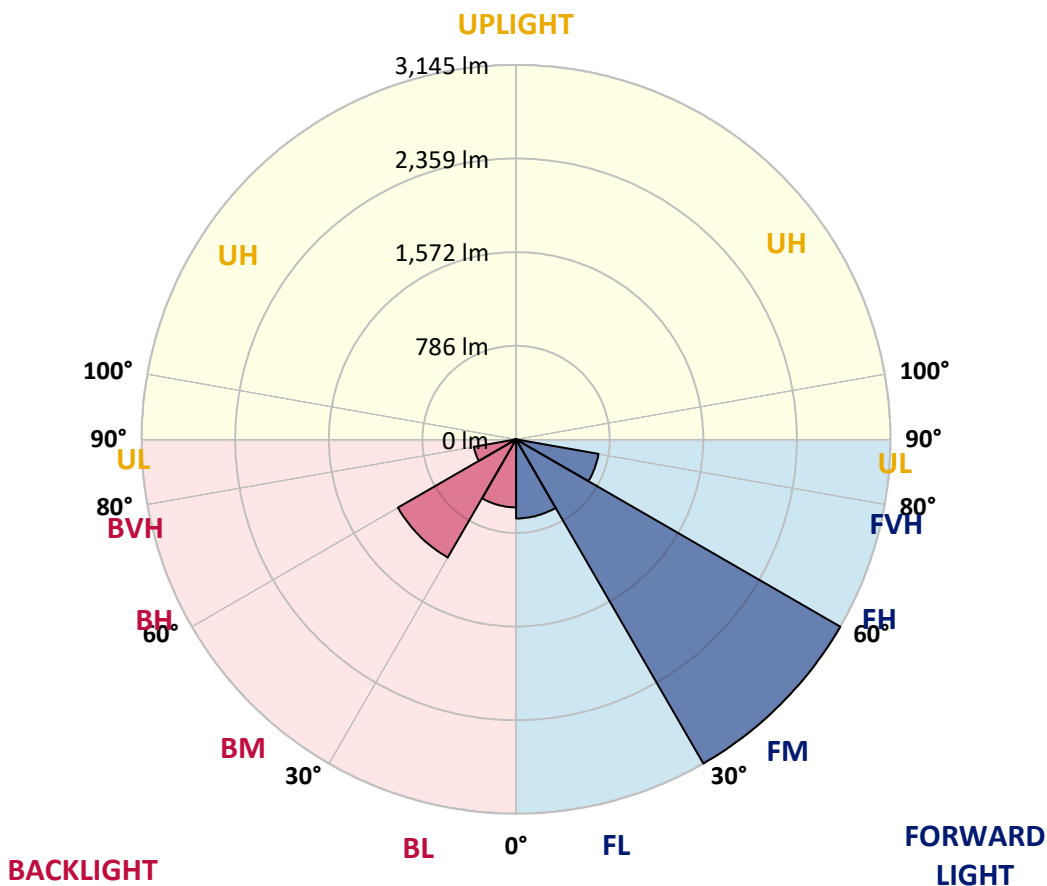
CATALOG NUMBER: GWS-SA1E-750-U-T3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	664.5	10.0			
FM (30°-60°)	3144.8	47.5			
FH (60°-80°)	703.0	10.6			G1/1800
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	571.2	8.6	B2/1000		
BM (30°-60°)	1146.8	17.3	B2/2500		
BH (60°-80°)	360.1	5.4	B1/500		G1/500
BVH (80°-90°)	15.8	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°	47°	55°	65°	75°	85°
0°	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9
2.5°	1224.7	1224.1	1224.1	1227.4	1227.4	1228.6	1230.2	1231.9	1232.4	1229.7	1223.6
5°	1238.0	1238.0	1238.0	1240.8	1240.8	1241.9	1244.1	1244.7	1244.1	1239.7	1233.6
7.5°	1259.1	1259.1	1259.7	1263.0	1265.8	1267.5	1271.3	1270.8	1269.1	1261.9	1254.1
10°	1293.6	1295.2	1296.9	1300.8	1306.4	1310.2	1313.0	1313.0	1310.8	1299.7	1289.7
12.5°	1342.5	1344.7	1346.4	1349.7	1354.1	1360.8	1366.9	1366.9	1364.1	1350.2	1335.2
15°	1399.7	1401.9	1401.4	1402.5	1410.8	1420.3	1425.3	1428.6	1429.7	1410.3	1386.9
17.5°	1465.3	1467.5	1465.3	1461.9	1463.0	1478.0	1486.9	1499.2	1506.4	1480.3	1443.0
20°	1524.7	1522.5	1522.5	1524.7	1528.1	1546.4	1559.7	1579.7	1588.6	1557.0	1499.2
22.5°	1587.5	1592.5	1590.3	1590.3	1603.6	1634.2	1650.3	1676.4	1685.9	1644.7	1567.0
25°	1668.6	1673.1	1672.0	1673.1	1688.6	1732.0	1748.1	1796.4	1805.9	1747.0	1642.0
27.5°	1757.5	1764.8	1768.1	1767.0	1792.0	1848.7	1868.7	1935.9	1953.1	1861.5	1722.0
30°	1873.1	1880.9	1883.7	1882.6	1912.0	1989.3	2012.0	2088.7	2113.2	1997.0	1823.7
32.5°	2007.0	2014.8	2023.1	2026.5	2064.3	2143.2	2176.0	2255.4	2290.4	2153.7	1946.5
35°	2139.8	2146.5	2162.6	2188.7	2240.4	2321.0	2349.9	2428.2	2462.1	2316.5	2094.8
37.5°	2286.5	2291.0	2304.9	2341.0	2415.4	2492.1	2521.0	2596.0	2599.9	2473.8	2262.6
40°	2447.1	2447.1	2444.3	2479.9	2557.7	2634.9	2659.9	2703.3	2680.5	2594.9	2426.0
42.5°	2583.3	2581.0	2583.3	2616.6	2674.4	2737.2	2758.8	2750.5	2721.6	2687.7	2573.8
45°	2706.1	2707.7	2727.7	2753.3	2783.3	2820.5	2833.3	2786.1	2759.9	2762.2	2692.2
47.5°	2789.4	2791.1	2837.7	2880.5	2898.9	2910.5	2905.0	2839.4	2826.1	2851.1	2783.3
50°	2800.5	2809.4	2890.0	2977.8	3023.3	3025.0	3009.4	2929.4	2925.5	2953.9	2832.2
52.5°	2802.7	2811.6	2912.2	3070.6	3188.9	3213.9	3196.1	3112.8	3072.2	3043.9	2892.2
55°	2794.4	2804.4	2915.5	3132.8	3359.5	3459.5	3461.2	3343.4	3213.9	3195.0	3063.3
57.5°	2467.1	2471.0	2643.3	2974.4	3352.8	3636.2	3657.9	3497.9	3350.1	3332.3	3200.6
60°	1718.6	1734.2	1921.5	2358.8	2816.6	3316.2	3386.2	3339.5	3240.6	3111.1	2746.1
62.5°	860.7	874.0	1061.9	1475.3	1942.6	2337.1	2412.1	2461.6	2484.9	2346.0	1869.8
65°	370.6	380.6	497.3	770.7	1099.6	1290.2	1316.4	1375.8	1521.4	1357.5	1007.4
67.5°	247.8	254.5	313.9	470.1	647.9	660.1	656.2	669.0	700.7	578.4	455.1
70°	190.0	195.6	235.6	344.5	465.6	398.4	377.3	342.3	371.7	379.0	369.0
72.5°	137.8	142.2	172.3	235.0	291.7	254.5	251.2	268.9	308.9	320.1	313.9
75°	88.9	91.1	109.5	128.9	150.6	163.4	170.0	202.3	242.8	251.2	243.9
77.5°	59.5	61.1	71.7	82.8	85.6	86.1	88.3	102.8	130.6	146.1	144.5
80°	31.1	31.1	35.0	35.0	40.0	47.8	50.0	59.5	72.2	80.0	80.6
82.5°	12.2	12.8	15.0	16.7	20.0	24.4	26.1	31.1	37.8	43.3	48.3
85°	5.0	5.6	6.1	7.2	8.9	11.1	11.7	13.3	17.8	22.2	25.0
87.5°	0.0	0.0	0.6	0.6	1.1	1.7	1.7	2.2	2.8	5.0	6.7
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°	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9	1226.9
2.5°	1230.8	1223.6	1230.8	1233.0	1239.1	1241.3	1237.4	1236.9	1236.9	1231.3	1229.7
5°	1239.1	1232.4	1239.7	1243.0	1251.9	1257.5	1258.6	1263.0	1265.8	1263.6	1263.0
7.5°	1259.7	1251.3	1259.1	1264.1	1275.8	1284.7	1288.6	1298.6	1305.8	1304.7	1304.1
10°	1295.8	1284.7	1293.6	1301.9	1314.7	1325.2	1325.8	1331.4	1338.6	1336.4	1335.2
12.5°	1337.5	1326.9	1336.9	1345.2	1360.2	1364.7	1357.5	1355.2	1356.4	1353.6	1351.4
15°	1388.6	1373.6	1382.5	1391.9	1400.3	1395.3	1379.7	1373.6	1373.0	1369.1	1366.9
17.5°	1439.7	1420.8	1427.5	1432.5	1428.6	1413.0	1393.6	1383.0	1378.0	1370.3	1368.0
20°	1490.3	1466.4	1465.3	1461.4	1443.6	1415.3	1389.1	1368.0	1355.2	1344.7	1340.8
22.5°	1548.1	1514.7	1498.1	1480.3	1441.4	1395.3	1355.8	1325.8	1305.2	1291.9	1287.5
25°	1610.3	1563.1	1528.6	1493.1	1419.1	1352.5	1297.5	1256.3	1231.9	1217.4	1212.4
27.5°	1672.0	1607.0	1555.3	1494.7	1374.7	1290.8	1216.9	1161.3	1136.9	1125.2	1121.3
30°	1755.3	1665.3	1587.0	1473.0	1316.4	1205.2	1113.0	1056.9	1040.7	1032.4	1029.1
32.5°	1851.4	1739.2	1629.2	1427.5	1241.9	1105.2	1008.0	969.1	958.0	941.8	941.3
35°	1978.1	1844.8	1669.2	1360.2	1148.0	998.0	927.4	899.6	879.6	854.0	851.8
37.5°	2125.9	1976.5	1690.9	1274.7	1038.5	909.6	867.4	836.3	804.0	770.1	765.7
40°	2278.8	2130.4	1692.5	1173.5	931.3	851.3	815.7	775.1	735.1	697.3	692.3
42.5°	2439.3	2273.7	1663.1	1056.9	843.5	800.7	764.6	713.5	668.5	642.9	640.1
45°	2582.7	2389.3	1596.4	934.1	778.5	758.5	712.4	657.3	633.4	615.1	611.2
47.5°	2695.5	2466.0	1506.4	824.0	725.7	715.1	655.1	626.8	608.4	591.8	587.9
50°	2751.1	2483.2	1389.1	734.6	676.8	664.0	622.9	601.2	589.0	575.7	572.3
52.5°	2820.0	2502.7	1288.0	659.6	629.0	611.8	596.2	579.0	570.1	561.8	559.0
55°	2978.3	2576.0	1234.7	599.6	583.4	575.7	573.4	559.0	556.2	550.7	545.7
57.5°	3042.8	2528.8	1108.5	550.7	547.3	548.4	554.0	540.7	537.9	531.2	527.9
60°	2447.1	1911.5	750.7	508.4	517.3	524.5	530.1	516.8	512.9	511.8	507.3
62.5°	1568.1	1175.8	524.0	469.0	482.3	491.2	494.5	481.8	479.0	487.9	488.4
65°	816.3	640.7	425.1	426.7	437.9	451.2	457.9	453.4	452.3	461.8	462.3
67.5°	416.7	391.7	370.6	376.7	385.6	402.9	418.4	437.9	444.5	445.6	446.2
70°	355.1	344.0	333.4	337.3	346.7	356.2	371.2	380.6	369.5	366.7	365.6
72.5°	302.3	293.9	288.9	293.4	298.4	296.7	292.3	296.7	298.4	298.9	299.5
75°	235.0	228.9	225.0	225.6	225.6	219.5	211.1	206.1	200.6	196.1	196.1
77.5°	143.9	145.0	148.9	148.4	147.8	145.6	137.2	132.8	119.5	115.6	115.6
80°	82.2	83.9	87.8	88.9	88.9	86.1	77.8	72.8	66.7	63.9	63.3
82.5°	50.0	52.2	54.5	55.6	56.1	52.8	45.6	41.7	38.3	35.6	35.6
85°	26.1	27.2	29.4	30.0	28.3	25.0	21.1	19.4	16.1	15.6	15.6
87.5°	7.2	7.8	8.9	7.2	6.7	5.0	2.8	2.2	1.1	0.6	0.6
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)