

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: P630852

Luminaire Tested: GWS-SA1E-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630852
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6467.5 lumens
Efficiency: N/A
Efficacy: 110.7 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

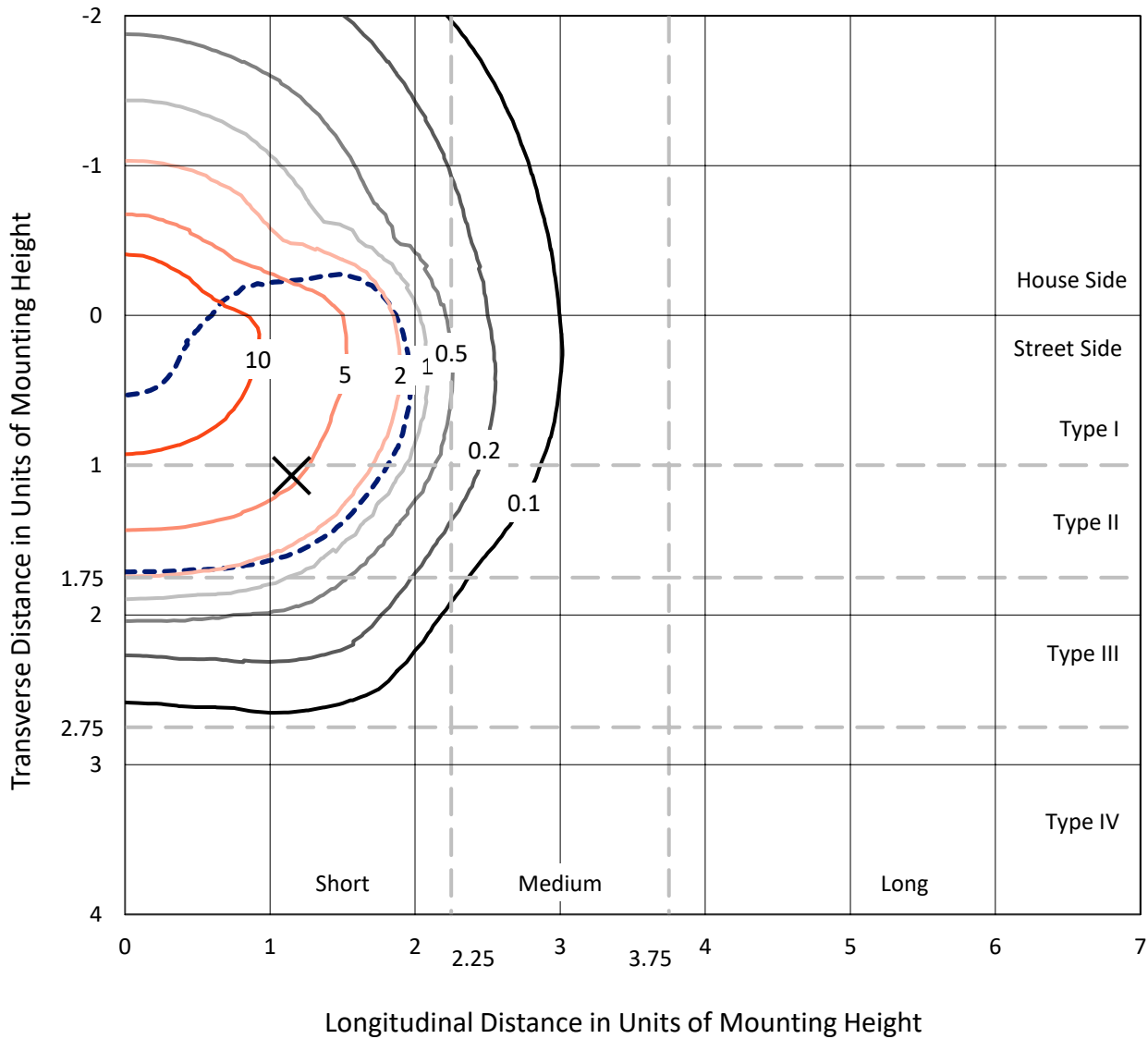
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

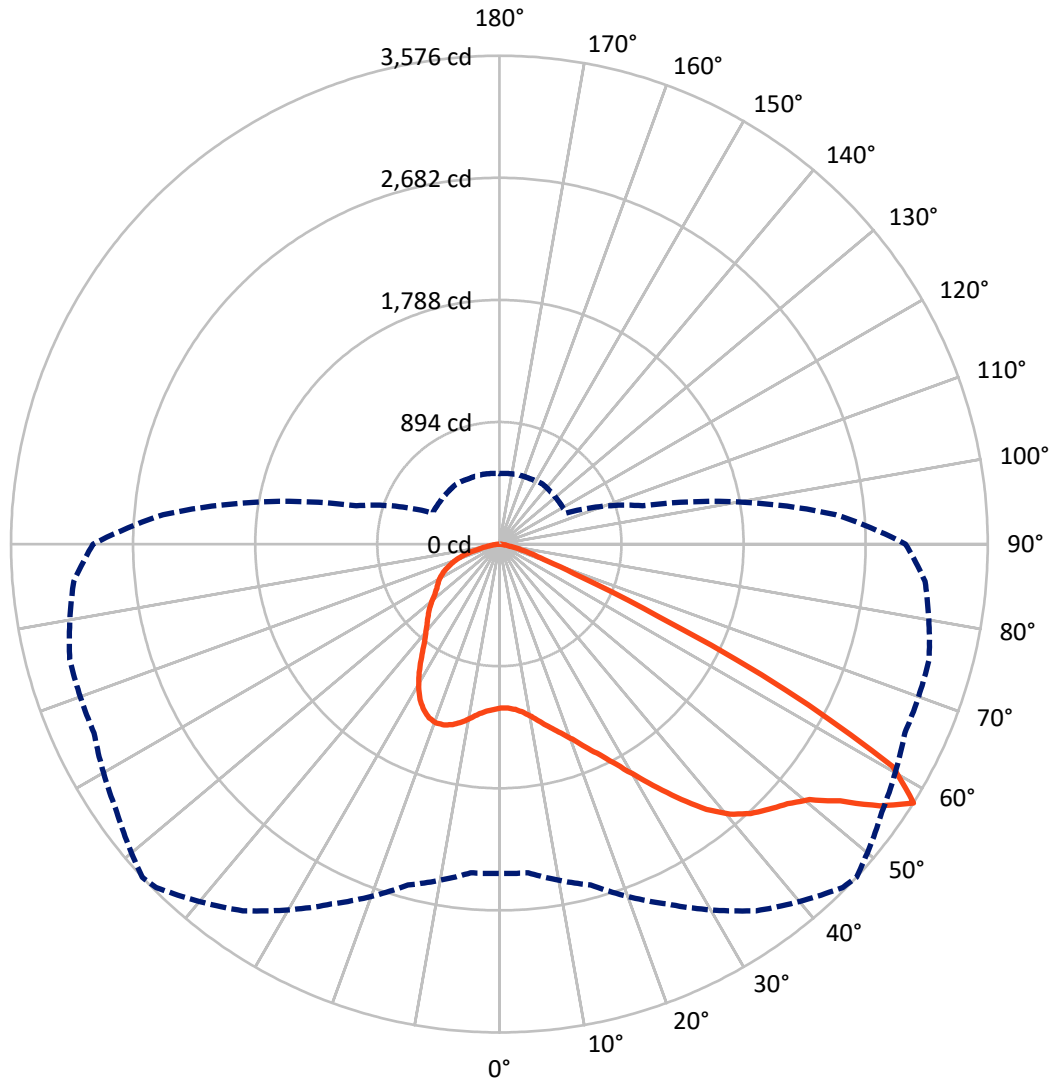
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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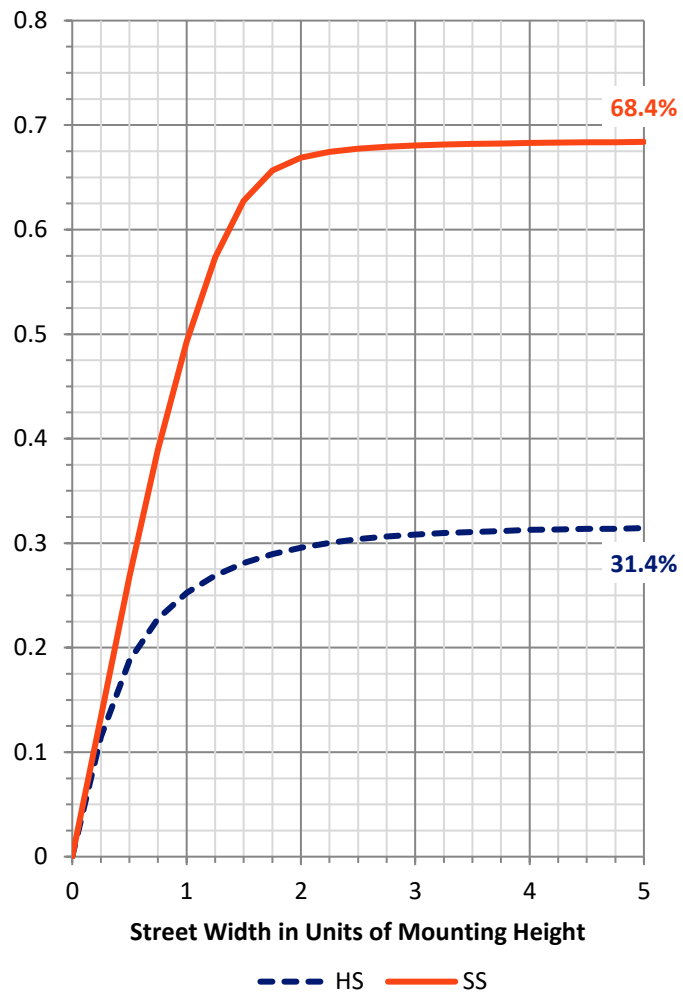
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2046.9	0.0	2046.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	4420.5	0.0	4420.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	6467.5	0.0	6467.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	1.8
10°-20°	389.1	6.0
20°-30°	700.6	10.8
30°-40°	1058.2	16.4
40°-50°	1425.0	22.0
50°-60°	1712.3	26.5
60°-70°	833.9	12.9
70°-80°	205.4	3.2
80°-90°	24.7	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°	6467.5	100.0
0°-180°	6467.5	100.0

Coefficient of Utilization



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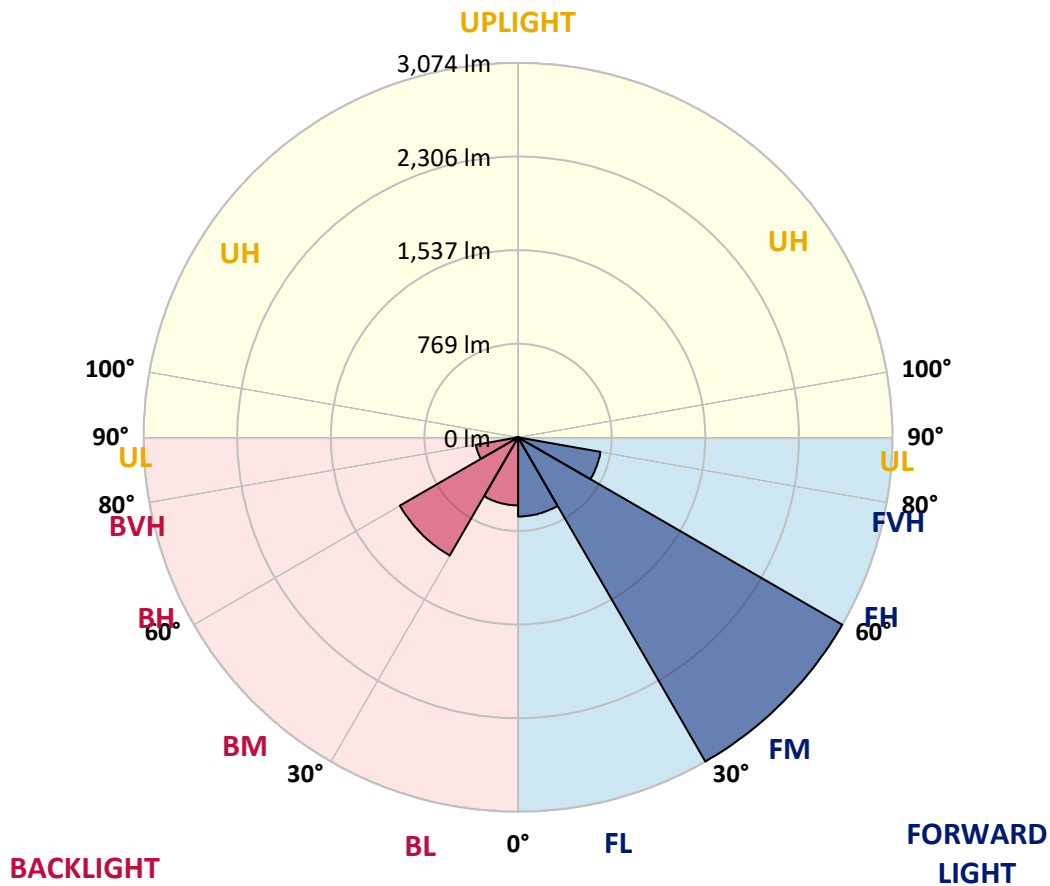
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.6	10.0			
FM (30°-60°)	3074.3	47.5			
FH (60°-80°)	687.3	10.6			G1/1800
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	558.4	8.6	B2/1000		
BM (30°-60°)	1121.1	17.3	B2/2500		
BH (60°-80°)	352.1	5.4	B1/500		G1/500
BVH (80°-90°)	15.4	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°	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4
2.5°	1197.2	1196.7	1196.7	1200.0	1200.0	1201.0	1202.7	1204.3	1204.8	1202.1	1196.1
5°	1210.3	1210.3	1210.3	1213.0	1213.0	1214.1	1216.2	1216.8	1216.2	1211.9	1205.9
7.5°	1230.9	1230.9	1231.5	1234.7	1237.4	1239.1	1242.9	1242.3	1240.7	1233.6	1226.0
10°	1264.6	1266.2	1267.9	1271.7	1277.1	1280.9	1283.6	1283.6	1281.4	1270.6	1260.8
12.5°	1312.4	1314.6	1316.2	1319.5	1323.8	1330.3	1336.3	1336.3	1333.6	1320.0	1305.3
15°	1368.3	1370.5	1370.0	1371.1	1379.2	1388.4	1393.3	1396.6	1397.7	1378.7	1355.9
17.5°	1432.4	1434.6	1432.4	1429.2	1430.3	1444.9	1453.6	1465.6	1472.6	1447.1	1410.7
20°	1490.6	1488.4	1488.4	1490.6	1493.8	1511.8	1524.8	1544.3	1553.0	1522.1	1465.6
22.5°	1552.0	1556.8	1554.7	1554.7	1567.7	1597.6	1613.3	1638.9	1648.1	1607.9	1531.9
25°	1631.3	1635.6	1634.5	1635.6	1650.8	1693.2	1708.9	1756.2	1765.4	1707.9	1605.2
27.5°	1718.2	1725.2	1728.5	1727.4	1751.9	1807.3	1826.8	1892.5	1909.4	1819.8	1683.4
30°	1831.2	1838.8	1841.5	1840.4	1869.2	1944.7	1967.0	2041.9	2065.8	1952.3	1782.8
32.5°	1962.1	1969.7	1977.8	1981.1	2018.0	2095.2	2127.2	2204.9	2239.1	2105.5	1902.9
35°	2091.9	2098.4	2114.2	2139.7	2190.2	2269.0	2297.2	2373.8	2407.0	2264.6	2047.9
37.5°	2235.3	2239.7	2253.2	2288.5	2361.3	2436.3	2464.5	2537.9	2541.7	2418.4	2212.0
40°	2392.3	2392.3	2389.6	2424.3	2500.4	2575.9	2600.3	2642.7	2620.4	2536.8	2371.7
42.5°	2525.4	2523.2	2525.4	2558.0	2614.5	2675.9	2697.0	2688.9	2660.6	2627.5	2516.1
45°	2645.4	2647.1	2666.6	2691.6	2720.9	2757.3	2769.8	2723.7	2698.1	2700.3	2631.9
47.5°	2726.9	2728.5	2774.2	2816.0	2833.9	2845.3	2839.9	2775.8	2762.8	2787.2	2720.9
50°	2737.8	2746.5	2825.2	2911.1	2955.6	2957.2	2942.0	2863.8	2860.0	2887.7	2768.7
52.5°	2740.0	2748.6	2847.0	3001.8	3117.5	3141.9	3124.5	3043.1	3003.4	2975.7	2827.4
55°	2731.8	2741.6	2850.2	3062.6	3284.2	3382.0	3383.7	3268.5	3141.9	3123.5	2994.7
57.5°	2411.9	2415.7	2584.0	2907.8	3277.7	3554.8	3576.0	3419.5	3275.0	3257.6	3128.9
60°	1680.1	1695.4	1878.4	2305.9	2753.5	3241.9	3310.3	3264.7	3168.0	3041.4	2684.5
62.5°	841.4	854.5	1038.1	1442.2	1899.1	2284.7	2358.1	2406.4	2429.2	2293.4	1827.9
65°	362.3	372.1	486.2	753.4	1075.0	1261.3	1286.9	1345.0	1487.3	1327.1	984.8
67.5°	242.3	248.8	306.9	459.6	633.4	645.3	641.5	654.0	685.0	565.5	444.9
70°	185.8	191.2	230.3	336.8	455.2	389.5	368.8	334.6	363.4	370.5	360.7
72.5°	134.7	139.1	168.4	229.8	285.2	248.8	245.5	262.9	302.0	312.9	306.9
75°	86.9	89.1	107.0	126.0	147.2	159.7	166.2	197.7	237.4	245.5	238.5
77.5°	58.1	59.8	70.1	80.9	83.7	84.2	86.4	100.5	127.7	142.9	141.2
80°	30.4	30.4	34.2	34.2	39.1	46.7	48.9	58.1	70.6	78.2	78.8
82.5°	12.0	12.5	14.7	16.3	19.6	23.9	25.5	30.4	36.9	42.4	47.3
85°	4.9	5.4	6.0	7.1	8.7	10.9	11.4	13.0	17.4	21.7	24.4
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	1.6	2.2	2.7	4.9	6.5
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°	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4	1199.4
2.5°	1203.2	1196.1	1203.2	1205.4	1211.4	1213.5	1209.7	1209.2	1209.2	1203.8	1202.1
5°	1211.4	1204.8	1211.9	1215.2	1223.9	1229.3	1230.4	1234.7	1237.4	1235.3	1234.7
7.5°	1231.5	1223.3	1230.9	1235.8	1247.2	1255.9	1259.7	1269.5	1276.5	1275.5	1274.9
10°	1266.8	1255.9	1264.6	1272.7	1285.2	1295.6	1296.1	1301.5	1308.6	1306.4	1305.3
12.5°	1307.5	1297.2	1307.0	1315.1	1329.8	1334.1	1327.1	1324.9	1326.0	1323.3	1321.1
15°	1357.5	1342.8	1351.5	1360.7	1368.9	1364.0	1348.8	1342.8	1342.3	1338.5	1336.3
17.5°	1407.5	1389.0	1395.5	1400.4	1396.6	1381.4	1362.4	1352.0	1347.2	1339.6	1337.4
20°	1456.9	1433.5	1432.4	1428.6	1411.3	1383.6	1358.0	1337.4	1324.9	1314.6	1310.8
22.5°	1513.4	1480.8	1464.5	1447.1	1409.1	1364.0	1325.4	1296.1	1276.0	1263.0	1258.6
25°	1574.2	1528.0	1494.4	1459.6	1387.4	1322.2	1268.4	1228.2	1204.3	1190.2	1185.3
27.5°	1634.5	1571.0	1520.4	1461.2	1343.9	1261.9	1189.6	1135.3	1111.4	1100.0	1096.2
30°	1716.0	1628.0	1551.4	1440.0	1286.9	1178.2	1088.0	1033.2	1017.4	1009.3	1006.0
32.5°	1810.0	1700.2	1592.7	1395.5	1214.1	1080.4	985.4	947.4	936.5	920.7	920.2
35°	1933.8	1803.5	1631.8	1329.8	1122.3	975.6	906.6	879.5	859.9	834.9	832.7
37.5°	2078.3	1932.2	1653.0	1246.1	1015.3	889.2	848.0	817.5	786.0	752.9	748.5
40°	2227.7	2082.7	1654.6	1147.3	910.4	832.2	797.4	757.8	718.7	681.7	676.8
42.5°	2384.7	2222.8	1625.8	1033.2	824.6	782.8	747.5	697.5	653.5	628.5	625.8
45°	2524.8	2335.8	1560.6	913.1	761.0	741.5	696.4	642.6	619.3	601.3	597.5
47.5°	2635.1	2410.8	1472.6	805.6	709.4	699.1	640.4	612.7	594.8	578.5	574.7
50°	2689.4	2427.6	1358.0	718.1	661.6	649.1	608.9	587.8	575.8	562.8	559.5
52.5°	2756.8	2446.6	1259.2	644.8	614.9	598.1	582.9	566.0	557.3	549.2	546.5
55°	2911.6	2518.3	1207.0	586.1	570.4	562.8	560.6	546.5	543.8	538.3	533.4
57.5°	2974.6	2472.1	1083.7	538.3	535.1	536.1	541.6	528.5	525.8	519.3	516.0
60°	2392.3	1868.6	733.9	497.0	505.7	512.8	518.2	505.2	501.4	500.3	496.0
62.5°	1532.9	1149.4	512.2	458.5	471.5	480.2	483.5	471.0	468.2	476.9	477.5
65°	798.0	626.3	415.6	417.2	428.0	441.1	447.6	443.3	442.2	451.4	452.0
67.5°	407.4	383.0	362.3	368.3	377.0	393.8	409.0	428.0	434.6	435.7	436.2
70°	347.1	336.2	325.9	329.7	339.0	348.2	362.9	372.1	361.2	358.5	357.4
72.5°	295.5	287.4	282.5	286.8	291.7	290.1	285.7	290.1	291.7	292.2	292.8
75°	229.8	223.8	220.0	220.5	220.5	214.6	206.4	201.5	196.1	191.8	191.8
77.5°	140.7	141.8	145.6	145.0	144.5	142.3	134.2	129.8	116.8	113.0	113.0
80°	80.4	82.0	85.8	86.9	86.9	84.2	76.0	71.2	65.2	62.5	61.9
82.5°	48.9	51.1	53.2	54.3	54.9	51.6	44.5	40.7	37.5	34.8	34.8
85°	25.5	26.6	28.8	29.3	27.7	24.4	20.6	19.0	15.8	15.2	15.2
87.5°	7.1	7.6	8.7	7.1	6.5	4.9	2.7	2.2	1.1	0.5	0.5
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)