

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: P634537

Luminaire Tested: GWS-SA3B-830-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634537  
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-SA3B-830-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

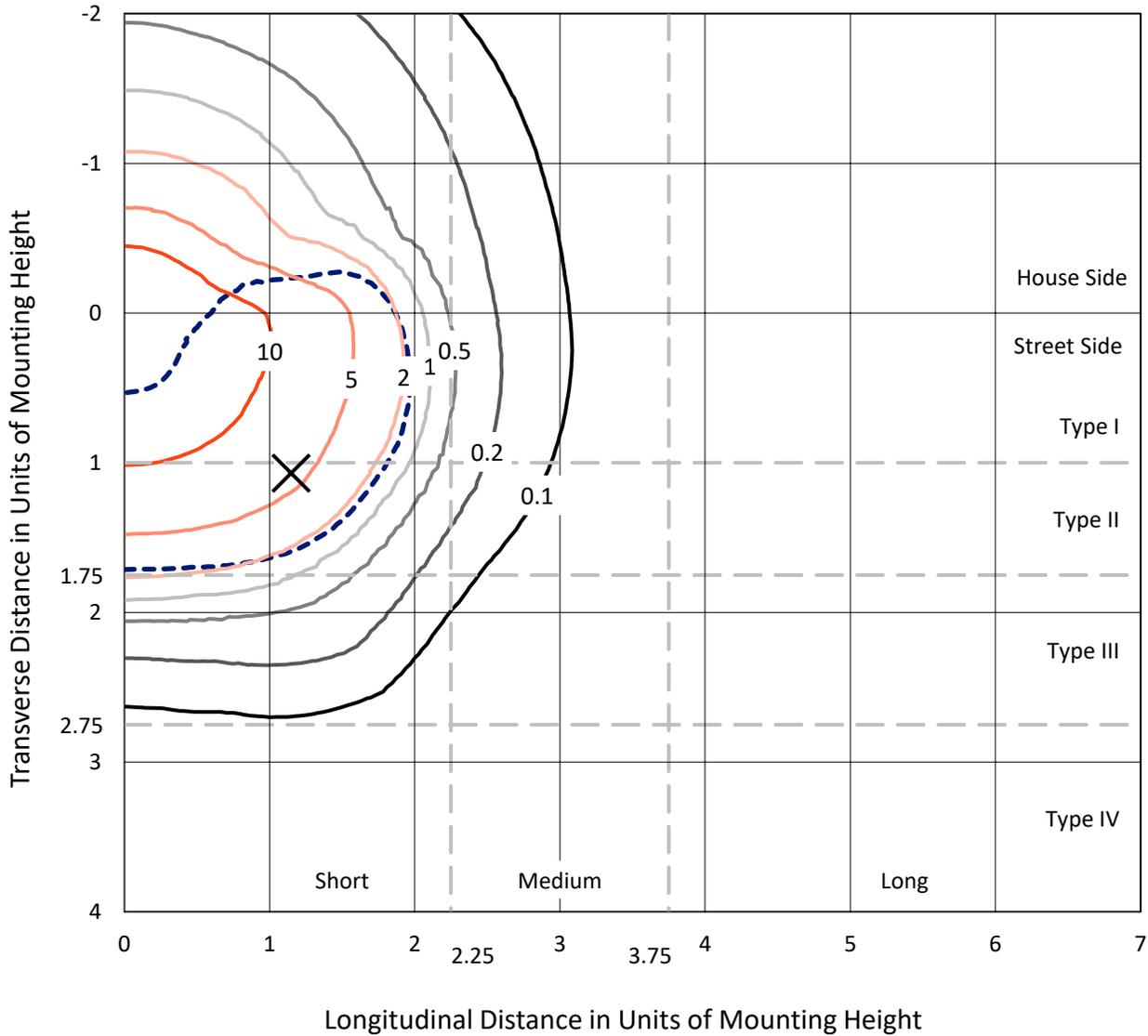
Lumens per Lamp: N/A  
Luminaire Lumens: 7052.4 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

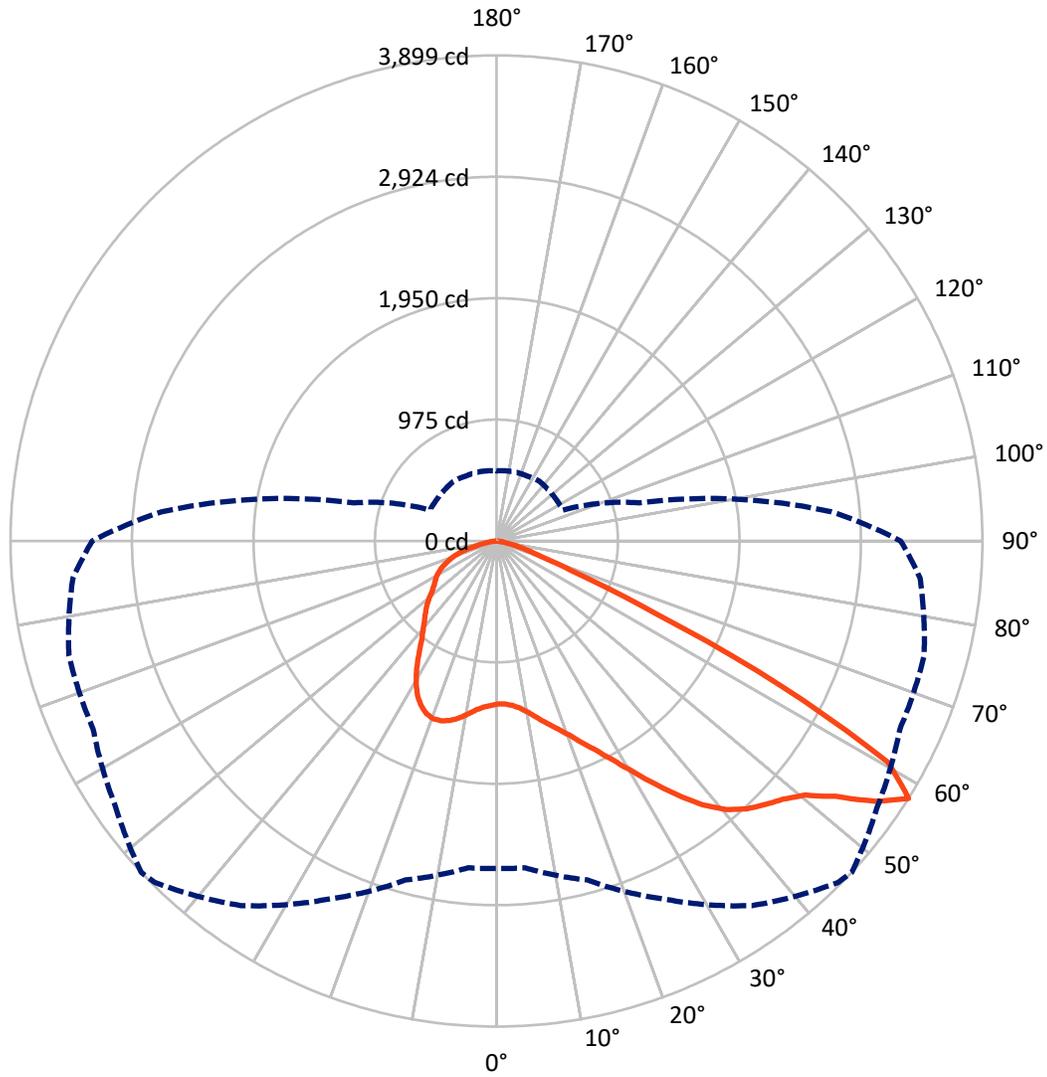
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 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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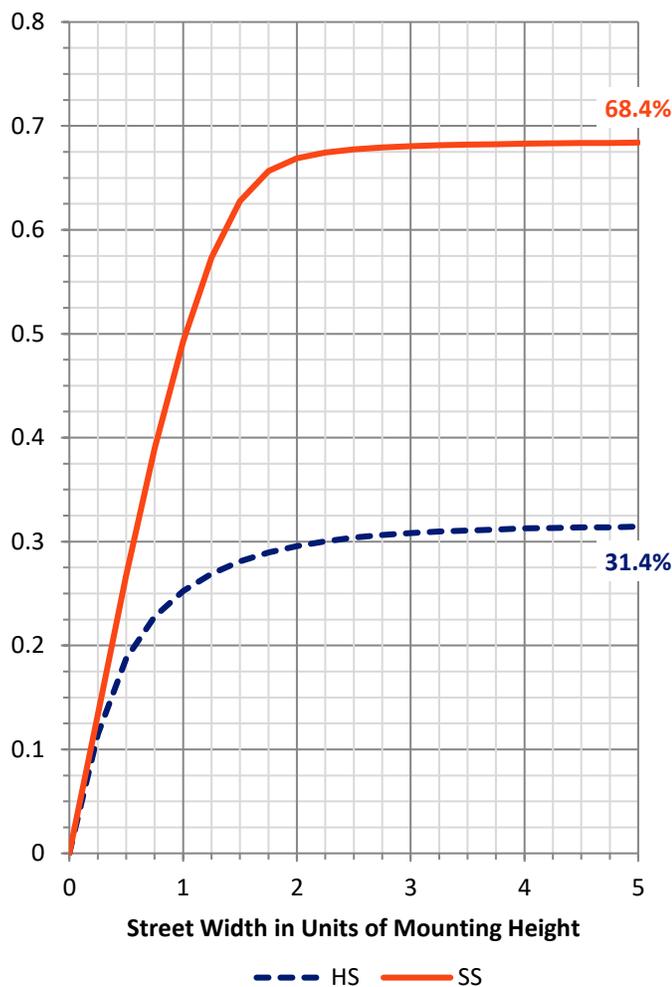
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2232.1	0.0	2232.1
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	4820.3	0.0	4820.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	7052.4	0.0	7052.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.0	1.8
10°-20°	424.3	6.0
20°-30°	764.0	10.8
30°-40°	1153.9	16.4
40°-50°	1553.8	22.0
50°-60°	1867.2	26.5
60°-70°	909.3	12.9
70°-80°	224.0	3.2
80°-90°	26.9	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°	7052.4	100.0
0°-180°	7052.4	100.0

**Coefficient of Utilization**



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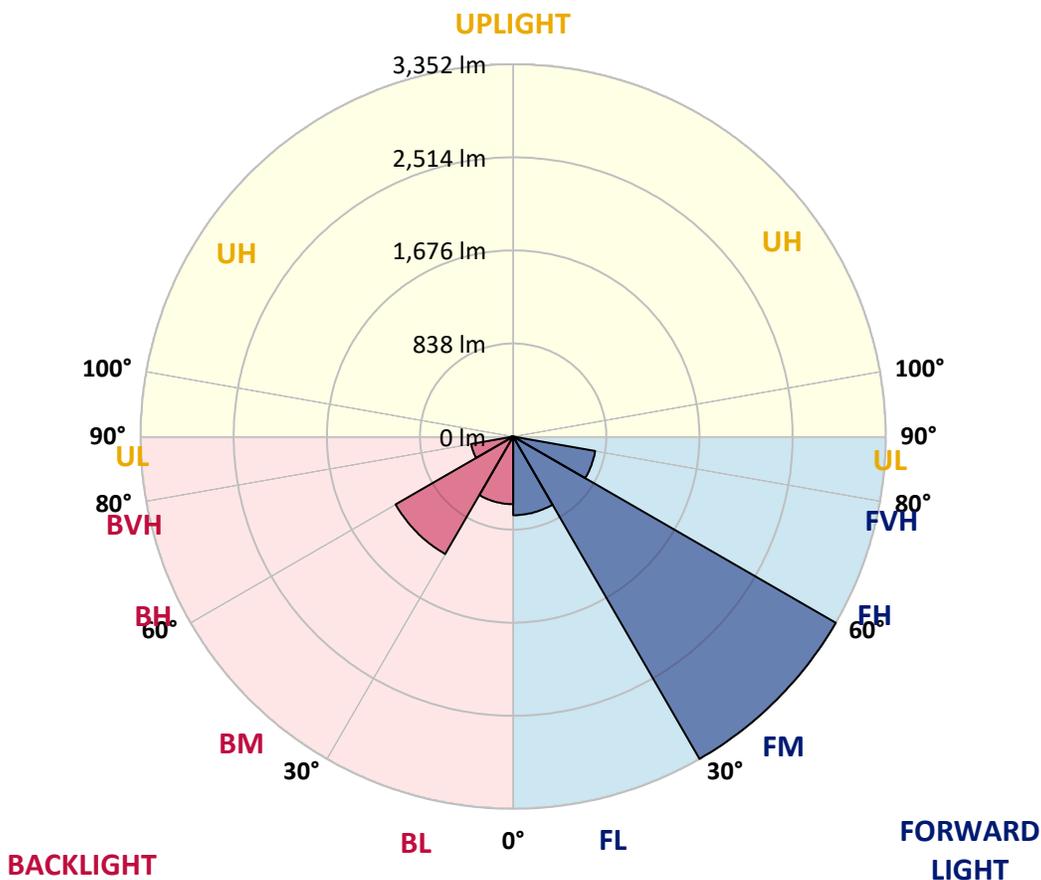
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.4	10.0			
FM (30°-60°)	3352.4	47.5			
FH (60°-80°)	749.5	10.6			G1/1800
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	608.9	8.6	B2/1000		
BM (30°-60°)	1222.5	17.3	B2/2500		
BH (60°-80°)	383.9	5.4	B1/500		G1/500
BVH (80°-90°)	16.8	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°	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9
2.5°	1305.5	1304.9	1304.9	1308.5	1308.5	1309.7	1311.4	1313.2	1313.8	1310.8	1304.3
5°	1319.7	1319.7	1319.7	1322.7	1322.7	1323.9	1326.2	1326.8	1326.2	1321.5	1315.0
7.5°	1342.2	1342.2	1342.8	1346.4	1349.3	1351.1	1355.3	1354.7	1352.9	1345.2	1336.9
10°	1379.0	1380.7	1382.5	1386.7	1392.6	1396.7	1399.7	1399.7	1397.3	1385.5	1374.8
12.5°	1431.1	1433.5	1435.2	1438.8	1443.5	1450.6	1457.1	1457.1	1454.2	1439.4	1423.4
15°	1492.1	1494.5	1493.9	1495.1	1503.9	1514.0	1519.3	1522.9	1524.1	1503.3	1478.5
17.5°	1562.0	1564.4	1562.0	1558.4	1559.6	1575.6	1585.1	1598.1	1605.8	1578.0	1538.3
20°	1625.4	1623.0	1623.0	1625.4	1628.9	1648.5	1662.7	1684.0	1693.5	1659.7	1598.1
22.5°	1692.3	1697.6	1695.3	1695.3	1709.5	1742.1	1759.2	1787.1	1797.1	1753.3	1670.4
25°	1778.8	1783.5	1782.3	1783.5	1800.1	1846.3	1863.5	1915.0	1925.1	1862.3	1750.4
27.5°	1873.6	1881.3	1884.8	1883.6	1910.3	1970.7	1992.0	2063.7	2082.1	1984.3	1835.6
30°	1996.8	2005.1	2008.0	2006.8	2038.2	2120.6	2144.8	2226.6	2252.7	2128.9	1944.0
32.5°	2139.5	2147.8	2156.7	2160.2	2200.5	2284.6	2319.6	2404.3	2441.6	2295.9	2075.0
35°	2281.1	2288.2	2305.4	2333.2	2388.3	2474.2	2505.0	2588.5	2624.6	2469.4	2233.1
37.5°	2437.5	2442.2	2457.0	2495.5	2574.9	2656.6	2687.4	2767.4	2771.5	2637.1	2412.0
40°	2608.6	2608.6	2605.7	2643.6	2726.5	2808.9	2835.5	2881.7	2857.4	2766.2	2586.1
42.5°	2753.8	2751.4	2753.8	2789.3	2850.9	2917.8	2940.9	2932.1	2901.3	2865.1	2743.7
45°	2884.7	2886.5	2907.8	2935.0	2967.0	3006.7	3020.3	2970.0	2942.1	2944.5	2869.9
47.5°	2973.5	2975.3	3025.1	3070.7	3090.2	3102.7	3096.7	3026.8	3012.6	3039.3	2967.0
50°	2985.4	2994.9	3080.7	3174.3	3222.9	3224.7	3208.1	3122.8	3118.6	3148.9	3019.1
52.5°	2987.7	2997.2	3104.4	3273.2	3399.4	3426.1	3407.1	3318.3	3275.0	3244.8	3083.1
55°	2978.9	2989.5	3108.0	3339.6	3581.3	3687.9	3689.7	3564.1	3426.1	3405.9	3265.5
57.5°	2630.0	2634.1	2817.7	3170.8	3574.2	3876.2	3899.3	3728.8	3571.2	3552.2	3411.9
60°	1832.1	1848.7	2048.3	2514.5	3002.6	3535.1	3609.7	3559.9	3454.5	3316.5	2927.3
62.5°	917.5	931.7	1132.0	1572.7	2070.8	2491.4	2571.3	2624.0	2648.9	2500.8	1993.2
65°	395.1	405.8	530.1	821.6	1172.2	1375.4	1403.2	1466.6	1621.8	1447.1	1073.9
67.5°	264.2	271.3	334.7	501.1	690.7	703.7	699.5	713.2	746.9	616.6	485.1
70°	202.6	208.5	251.2	367.2	496.4	424.7	402.2	364.9	396.3	404.0	393.3
72.5°	146.9	151.6	183.6	250.6	311.0	271.3	267.7	286.7	329.3	341.2	334.7
75°	94.8	97.1	116.7	137.4	160.5	174.1	181.3	215.6	258.9	267.7	260.0
77.5°	63.4	65.2	76.4	88.3	91.2	91.8	94.2	109.6	139.2	155.8	154.0
80°	33.2	33.2	37.3	37.3	42.6	50.9	53.3	63.4	77.0	85.3	85.9
82.5°	13.0	13.6	16.0	17.8	21.3	26.1	27.8	33.2	40.3	46.2	51.5
85°	5.3	5.9	6.5	7.7	9.5	11.8	12.4	14.2	19.0	23.7	26.7
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	1.8	2.4	3.0	5.3	7.1
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°	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9	1307.9
2.5°	1312.0	1304.3	1312.0	1314.4	1320.9	1323.3	1319.1	1318.5	1318.5	1312.6	1310.8
5°	1320.9	1313.8	1321.5	1325.1	1334.5	1340.5	1341.6	1346.4	1349.3	1347.0	1346.4
7.5°	1342.8	1333.9	1342.2	1347.6	1360.0	1369.5	1373.6	1384.3	1392.0	1390.8	1390.2
10°	1381.3	1369.5	1379.0	1387.8	1401.5	1412.7	1413.3	1419.2	1426.9	1424.6	1423.4
12.5°	1425.8	1414.5	1425.2	1434.0	1450.0	1454.8	1447.1	1444.7	1445.9	1442.9	1440.6
15°	1480.2	1464.3	1473.7	1483.8	1492.7	1487.4	1470.8	1464.3	1463.7	1459.5	1457.1
17.5°	1534.7	1514.6	1521.7	1527.0	1522.9	1506.3	1485.6	1474.3	1469.0	1460.7	1458.3
20°	1588.6	1563.2	1562.0	1557.8	1538.9	1508.7	1480.8	1458.3	1444.7	1433.5	1429.3
22.5°	1650.2	1614.7	1596.9	1578.0	1536.5	1487.4	1445.3	1413.3	1391.4	1377.2	1372.4
25°	1716.6	1666.2	1629.5	1591.6	1512.8	1441.7	1383.1	1339.3	1313.2	1297.8	1292.5
27.5°	1782.3	1713.0	1657.9	1593.4	1465.4	1376.0	1297.2	1238.0	1211.9	1199.5	1195.3
30°	1871.2	1775.2	1691.7	1570.3	1403.2	1284.8	1186.4	1126.6	1109.4	1100.6	1097.0
32.5°	1973.7	1854.0	1736.7	1521.7	1323.9	1178.2	1074.5	1033.0	1021.2	1004.0	1003.4
35°	2108.7	1966.6	1779.4	1450.0	1223.8	1063.8	988.6	959.0	937.7	910.4	908.1
37.5°	2266.3	2106.9	1802.5	1358.8	1107.1	969.7	924.6	891.5	857.1	821.0	816.2
40°	2429.2	2271.0	1804.3	1251.0	992.8	907.5	869.5	826.3	783.7	743.4	738.1
42.5°	2600.4	2423.8	1772.9	1126.6	899.2	853.6	815.1	760.6	712.6	685.3	682.4
45°	2753.2	2547.0	1701.8	995.7	829.9	808.5	759.4	700.7	675.3	655.7	651.6
47.5°	2873.4	2628.8	1605.8	878.4	773.6	762.3	698.4	668.2	648.6	630.8	626.7
50°	2932.7	2647.1	1480.8	783.1	721.5	707.8	664.0	640.9	627.9	613.7	610.1
52.5°	3006.1	2667.9	1373.0	703.1	670.5	652.2	635.6	617.2	607.7	598.9	595.9
55°	3174.9	2746.1	1316.2	639.1	622.0	613.7	611.3	595.9	592.9	587.0	581.7
57.5°	3243.6	2695.7	1181.7	587.0	583.5	584.6	590.6	576.3	573.4	566.3	562.7
60°	2608.6	2037.6	800.2	542.0	551.5	559.2	565.1	550.9	546.7	545.5	540.8
62.5°	1671.6	1253.4	558.6	499.9	514.1	523.6	527.2	513.6	510.6	520.1	520.7
65°	870.1	683.0	453.1	454.9	466.8	481.0	488.1	483.3	482.2	492.2	492.8
67.5°	444.3	417.6	395.1	401.6	411.1	429.4	446.0	466.8	473.9	475.1	475.6
70°	378.5	366.7	355.4	359.5	369.6	379.7	395.7	405.8	393.9	390.9	389.8
72.5°	322.2	313.3	308.0	312.8	318.1	316.3	311.6	316.3	318.1	318.7	319.3
75°	250.6	244.0	239.9	240.5	240.5	234.0	225.1	219.8	213.8	209.1	209.1
77.5°	153.4	154.6	158.7	158.2	157.6	155.2	146.3	141.6	127.4	123.2	123.2
80°	87.7	89.4	93.6	94.8	94.8	91.8	82.9	77.6	71.1	68.1	67.5
82.5°	53.3	55.7	58.0	59.2	59.8	56.3	48.6	44.4	40.9	37.9	37.9
85°	27.8	29.0	31.4	32.0	30.2	26.7	22.5	20.7	17.2	16.6	16.6
87.5°	7.7	8.3	9.5	7.7	7.1	5.3	3.0	2.4	1.2	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)