

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: P630833

Luminaire Tested: GWS-SA1E-740-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630833  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-740-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

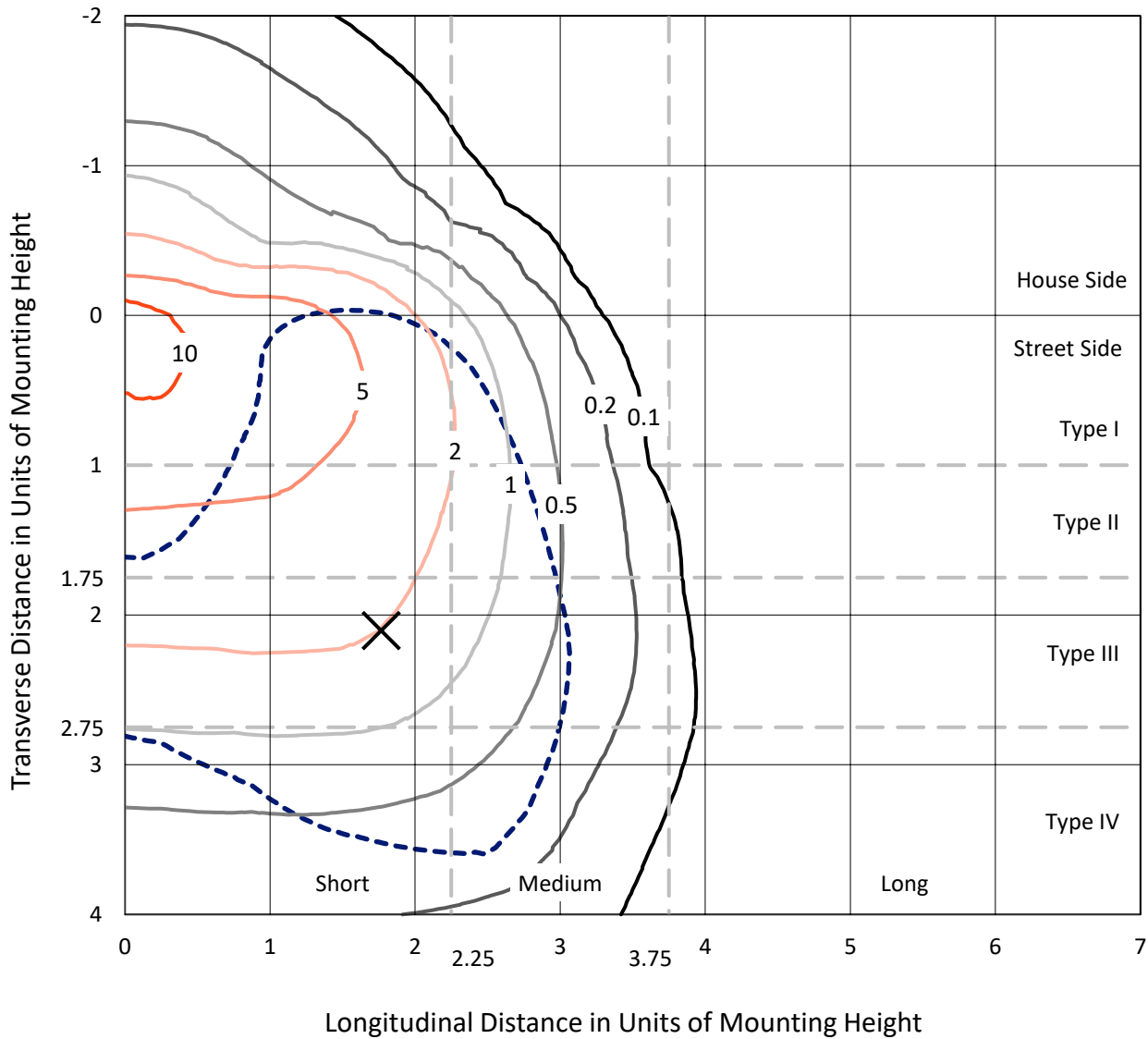
Lumens per Lamp: N/A  
Luminaire Lumens: 7277.5 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P630833  
 CATALOG NUMBER: GWS-SA1E-740-U-SL4-W

### Iso-Footcandle Lines of Horizontal Illumination

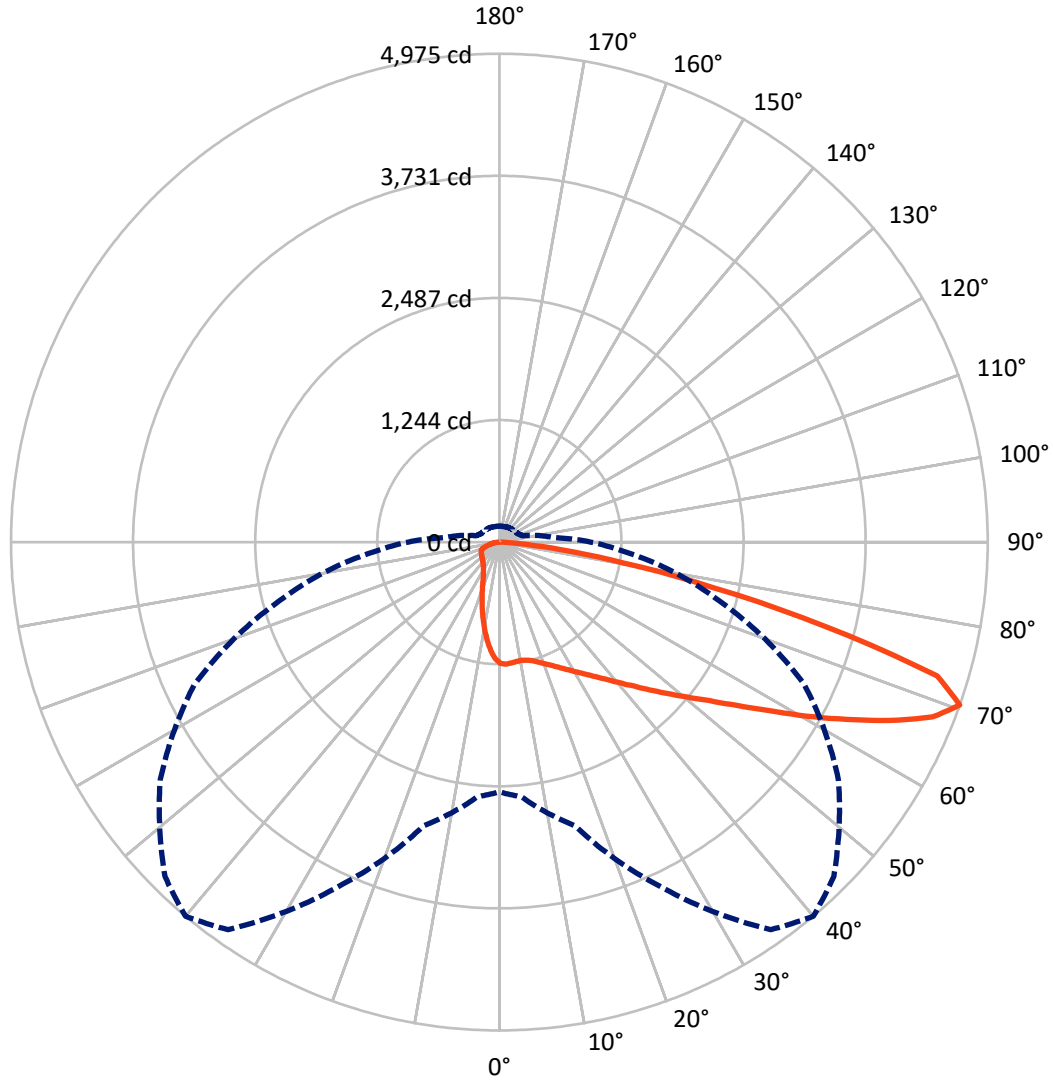
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P630833  
CATALOG NUMBER: GWS-SA1E-740-U-SL4-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P630833

CATALOG NUMBER: GWS-SA1E-740-U-SL4-W

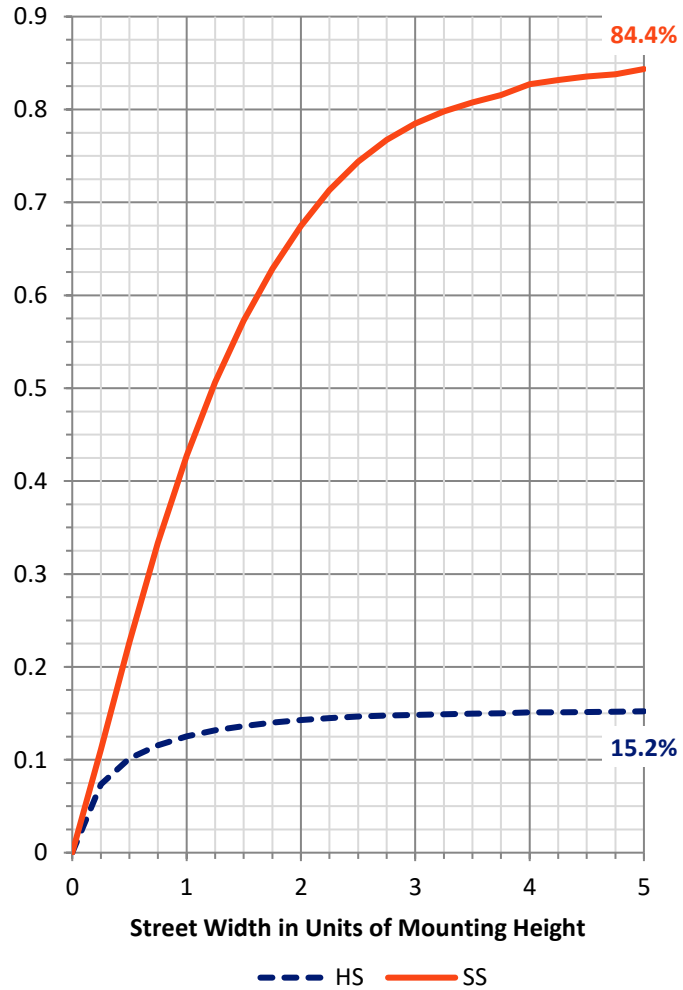
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1120.9	0.0	1120.9
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	6156.6	0.0	6156.6
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	7277.5	0.0	7277.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.2	1.5
10°-20°	284.6	3.9
20°-30°	446.8	6.1
30°-40°	671.8	9.2
40°-50°	1037.0	14.2
50°-60°	1540.0	21.2
60°-70°	1941.1	26.7
70°-80°	1122.5	15.4
80°-90°	124.6	1.7
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°	7277.5	100.0
0°-180°	7277.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630833

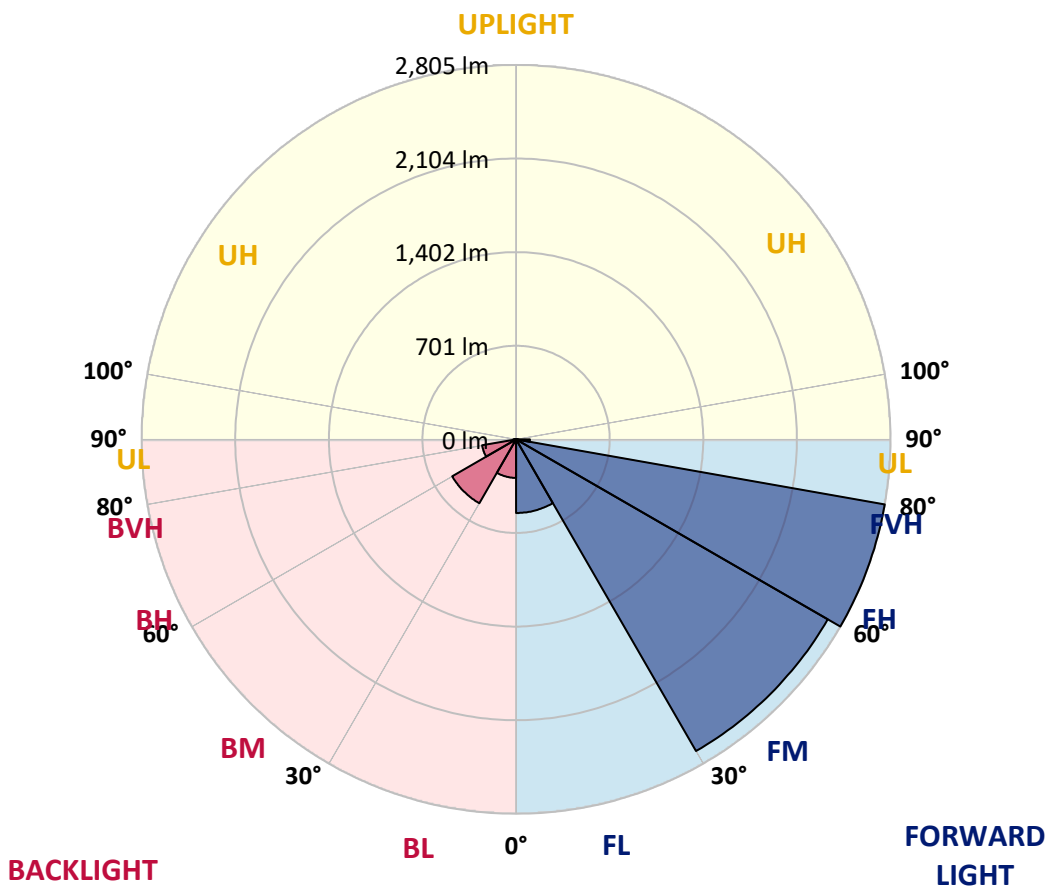
CATALOG NUMBER: GWS-SA1E-740-U-SL4-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.7	7.6			
FM (30°-60°)	2696.2	37.0			
FH (60°-80°)	2804.9	38.5			G2/5000
FVH (80°-90°)	103.8	1.4			G2/225
BL (0°-30°)	288.9	4.0	B1/500		
BM (30°-60°)	552.5	7.6	B1/1000		
BH (60°-80°)	258.7	3.6	B1/500		G1/500
BVH (80°-90°)	20.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P630833  
 CATALOG NUMBER: GWS-SA1E-740-U-SL4-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8
2.5°	1243.4	1245.6	1247.2	1249.4	1248.3	1245.0	1247.8	1247.8	1241.8	1235.3	1229.3
5°	1245.0	1247.8	1247.2	1246.7	1242.3	1236.9	1236.9	1233.6	1223.3	1213.0	1203.2
7.5°	1241.8	1241.2	1240.7	1239.1	1234.2	1228.2	1227.1	1220.6	1207.0	1192.9	1178.8
10°	1227.1	1226.6	1228.2	1232.0	1230.9	1225.5	1225.5	1219.5	1203.8	1186.4	1167.9
12.5°	1215.2	1215.2	1221.7	1232.0	1235.8	1233.6	1234.2	1229.8	1211.9	1191.3	1169.5
15°	1216.8	1217.3	1231.5	1248.3	1255.4	1253.7	1254.3	1249.4	1229.3	1208.6	1179.3
17.5°	1227.7	1230.4	1254.8	1278.2	1287.4	1285.2	1281.4	1273.3	1250.5	1227.1	1191.3
20°	1250.5	1254.8	1286.3	1315.7	1326.5	1321.6	1315.1	1298.8	1273.8	1248.3	1204.3
22.5°	1295.6	1298.3	1333.0	1361.8	1370.5	1364.5	1351.5	1328.1	1299.4	1272.7	1220.0
25°	1359.1	1362.4	1395.5	1422.1	1420.0	1412.9	1395.0	1366.2	1332.0	1303.7	1242.9
27.5°	1434.6	1440.0	1472.6	1493.8	1479.7	1469.4	1449.3	1414.5	1376.0	1350.4	1277.6
30°	1517.2	1519.4	1547.1	1568.2	1546.5	1532.4	1508.0	1470.5	1435.7	1416.7	1329.8
32.5°	1597.0	1599.2	1623.1	1635.1	1612.2	1601.9	1580.7	1541.1	1516.6	1506.3	1407.5
35°	1681.2	1680.7	1700.2	1710.6	1687.2	1682.9	1661.1	1630.7	1626.4	1640.0	1521.0
37.5°	1765.4	1760.5	1770.9	1784.4	1771.4	1775.8	1761.6	1751.3	1768.1	1803.5	1672.0
40°	1832.8	1832.8	1843.7	1860.5	1864.8	1883.9	1875.7	1889.3	1943.6	2027.8	1858.9
42.5°	1892.5	1893.1	1915.9	1942.0	1973.5	2002.8	2009.3	2044.6	2157.1	2289.1	2093.5
45°	1955.0	1955.6	1986.5	2024.5	2091.4	2147.3	2160.3	2239.7	2400.4	2561.2	2348.3
47.5°	2027.3	2021.3	2064.2	2127.8	2222.8	2303.2	2336.9	2449.3	2652.5	2850.2	2588.4
50°	2108.7	2096.2	2144.1	2253.8	2371.1	2481.4	2537.9	2666.6	2923.0	3116.9	2814.4
52.5°	2200.5	2193.5	2243.5	2377.1	2556.3	2683.5	2760.1	2929.0	3185.9	3382.6	2993.6
55°	2314.6	2297.8	2370.0	2540.1	2773.6	2935.5	3026.2	3188.6	3473.3	3623.8	3130.5
57.5°	2439.6	2421.1	2517.8	2743.8	3056.1	3233.7	3347.3	3480.9	3743.8	3808.4	3210.9
60°	2574.3	2568.3	2682.9	2982.8	3392.9	3599.3	3681.3	3802.5	3979.0	3915.5	3190.8
62.5°	2697.6	2695.4	2862.2	3241.9	3749.8	3976.8	4042.0	4074.1	4148.5	3908.4	3031.1
65°	2827.4	2845.9	3071.3	3542.3	4158.8	4381.5	4408.7	4327.2	4205.5	3723.2	2704.1
67.5°	2843.7	2879.6	3202.8	3823.7	4546.7	4756.9	4735.2	4423.4	4037.1	3207.7	2119.6
70°	2543.3	2605.8	2993.1	3866.6	4819.9	4974.7	4817.7	4216.4	3426.0	2323.9	1333.0
72.5°	2125.0	2178.8	2521.0	3297.3	4467.4	4664.5	4452.1	3568.9	2421.1	1333.0	679.0
75°	1654.1	1716.5	2032.1	2621.0	3344.5	3423.3	3316.8	2489.0	1330.9	549.7	308.5
77.5°	1009.3	1054.4	1299.9	1775.8	2340.1	2222.3	1883.3	1395.5	584.0	263.5	190.7
80°	446.5	474.2	640.4	953.9	1352.0	1278.2	1007.7	595.9	319.4	167.3	133.1
82.5°	239.6	257.5	315.6	377.5	593.7	620.9	503.6	343.3	171.7	95.6	76.0
85°	105.4	115.7	143.4	136.9	195.0	191.8	193.4	235.8	82.0	44.0	49.4
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	6.0	31.5	8.1	13.0	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630833  
 CATALOG NUMBER: GWS-SA1E-740-U-SL4-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8	1235.8
2.5°	1222.8	1213.0	1210.3	1207.0	1201.0	1190.7	1183.1	1174.4	1170.6	1166.3	1166.8
5°	1192.3	1180.4	1169.0	1154.3	1135.9	1115.2	1101.1	1084.8	1076.1	1068.0	1070.1
7.5°	1166.3	1147.8	1124.4	1093.5	1060.3	1023.4	993.5	970.2	954.4	943.6	949.0
10°	1150.0	1128.2	1087.5	1037.0	981.0	924.5	881.6	841.4	816.4	796.9	795.8
12.5°	1146.7	1118.5	1059.3	985.9	905.0	829.5	766.5	712.1	679.0	654.6	663.8
15°	1150.0	1114.1	1034.8	938.7	836.5	734.4	656.2	593.7	554.1	531.8	530.2
17.5°	1153.8	1109.8	1007.1	887.6	764.8	648.0	557.3	491.1	450.3	428.0	428.6
20°	1157.0	1103.3	974.5	831.7	692.0	567.7	473.7	410.7	374.3	358.0	360.7
22.5°	1162.5	1096.7	939.8	771.9	617.6	490.0	407.4	356.3	334.6	323.8	324.3
25°	1172.8	1092.9	903.9	706.7	544.3	428.0	361.8	327.6	314.0	307.5	306.9
27.5°	1194.0	1096.2	866.4	643.7	478.0	380.8	332.4	310.2	300.9	296.6	296.0
30°	1229.3	1109.2	833.8	579.6	421.0	343.9	312.3	298.8	293.3	289.5	289.0
32.5°	1283.1	1133.7	798.5	519.9	374.8	316.7	296.6	289.5	285.7	283.6	283.6
35°	1364.5	1178.2	763.8	467.7	339.0	295.5	284.1	281.4	278.1	277.0	278.1
37.5°	1481.9	1249.4	732.2	422.1	313.4	279.2	270.5	271.6	268.9	270.5	272.1
40°	1630.7	1344.4	705.6	384.6	294.4	267.3	258.6	262.4	260.7	262.4	265.1
42.5°	1819.2	1462.3	685.5	355.3	280.8	257.5	249.3	253.1	252.0	254.2	256.9
45°	2029.4	1617.7	676.3	334.6	271.1	250.4	241.7	244.4	243.4	245.0	247.7
47.5°	2231.0	1758.9	684.4	322.7	262.9	244.4	235.2	236.3	235.8	235.2	236.8
50°	2404.8	1871.4	707.8	318.9	257.5	238.5	229.8	230.3	228.7	225.4	226.5
52.5°	2546.6	1961.5	721.9	318.9	254.8	232.0	223.8	224.3	221.1	216.7	217.3
55°	2640.0	1997.9	710.5	318.3	253.7	226.5	217.8	218.4	215.1	209.7	210.2
57.5°	2666.6	1962.6	662.7	312.3	252.6	222.2	211.9	212.9	210.8	204.8	204.8
60°	2592.2	1833.3	575.3	298.8	249.9	219.5	207.5	209.1	208.0	202.1	202.1
62.5°	2397.2	1603.6	471.0	278.1	242.3	216.2	203.7	207.0	209.7	206.4	205.9
65°	2032.1	1284.7	383.0	255.3	232.5	210.8	198.3	206.4	212.4	216.7	216.7
67.5°	1524.8	919.7	312.3	231.4	217.8	199.9	191.2	198.8	203.2	205.9	207.5
70°	929.4	541.0	246.1	203.7	196.6	183.6	177.1	169.5	163.5	162.4	163.0
72.5°	454.7	309.6	199.9	173.3	167.9	155.9	141.2	138.0	135.3	133.6	133.1
75°	250.4	215.7	165.1	144.0	134.2	119.5	116.2	110.8	109.7	107.6	108.1
77.5°	177.1	170.0	136.3	116.8	102.1	94.5	96.1	92.3	92.3	90.7	90.2
80°	133.1	133.6	104.8	85.3	75.5	72.8	74.4	74.4	73.3	72.8	72.2
82.5°	84.2	95.1	70.6	54.9	53.8	54.3	53.8	53.2	54.3	52.7	52.1
85°	58.1	68.4	42.9	32.6	32.6	32.0	33.1	32.6	33.7	32.0	32.0
87.5°	13.0	30.4	15.8	9.8	10.3	9.8	10.3	10.9	12.0	12.5	12.5
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)