

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: P629424

Luminaire Tested: GWS-SA1B-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629424  
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-SA1B-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**

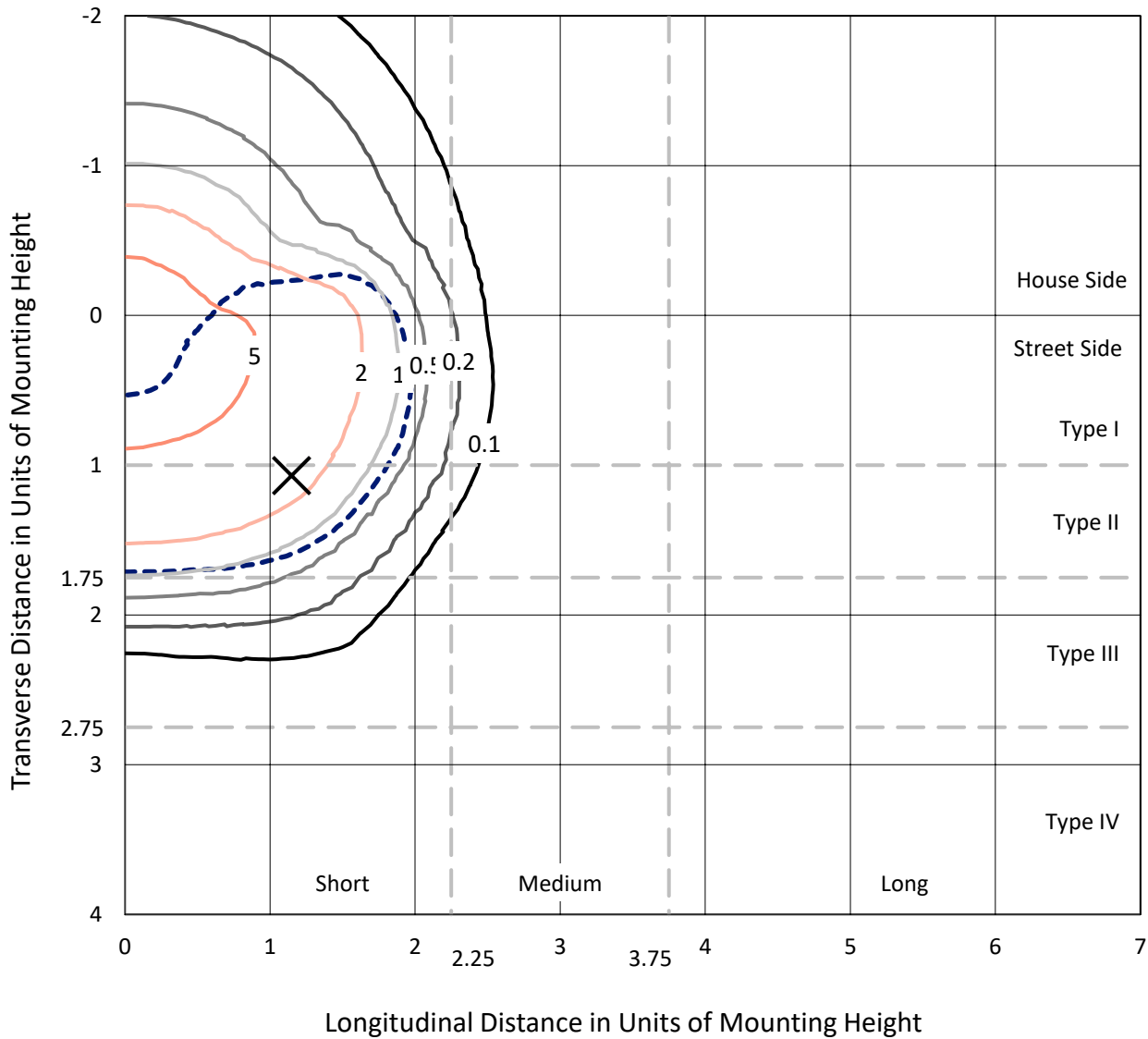
Lumens per Lamp: N/A  
Luminaire Lumens: 3129.1 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P629424  
 CATALOG NUMBER: GWS-SA1B-750-U-T3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

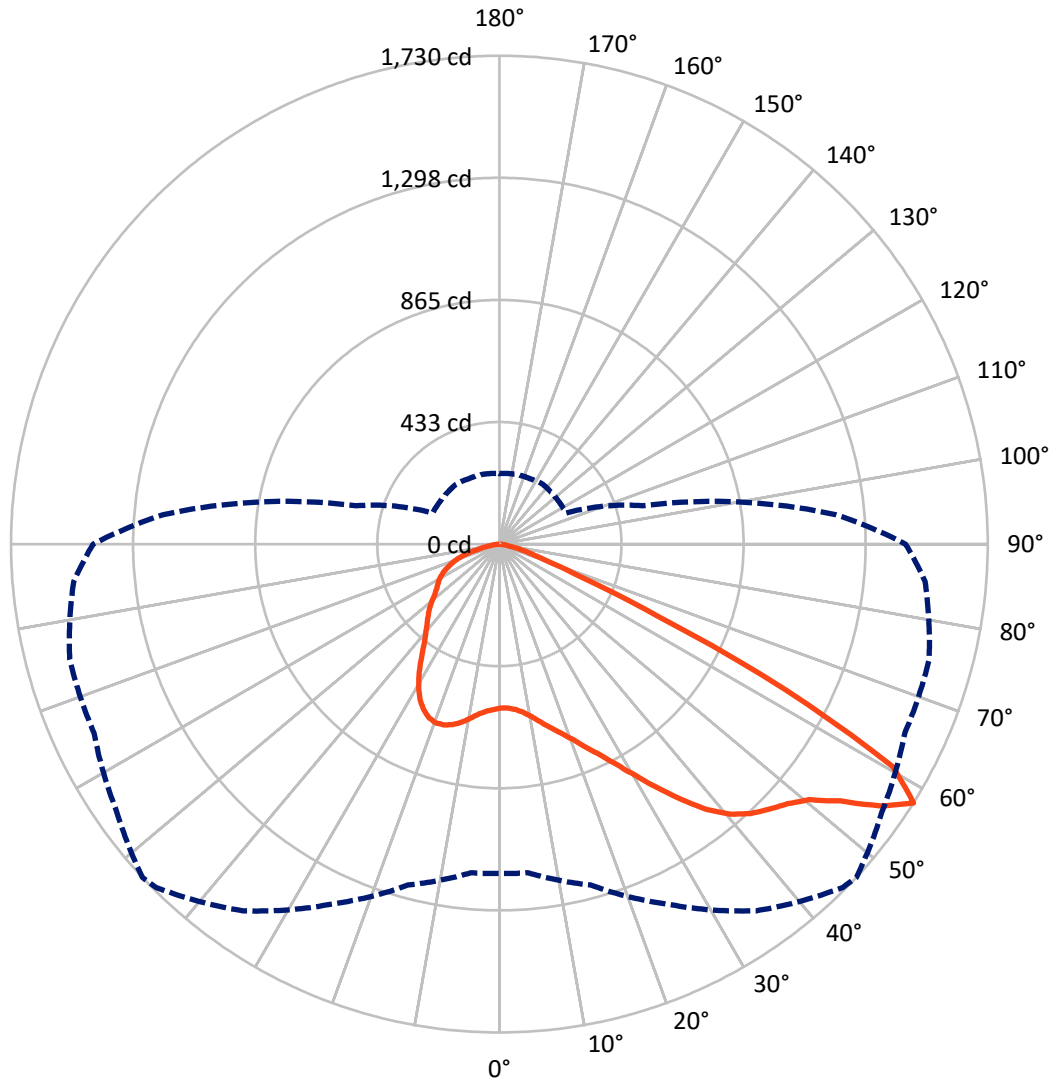
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P629424  
CATALOG NUMBER: GWS-SA1B-750-U-T3-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629424

CATALOG NUMBER: GWS-SA1B-750-U-T3-W-GRSWH

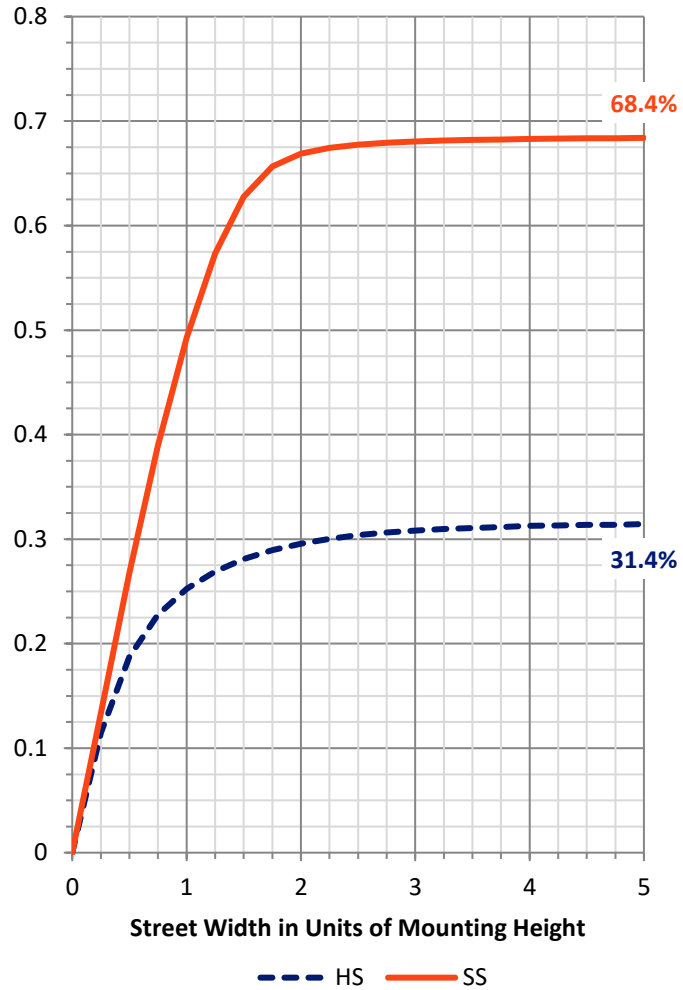
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	990.4	0.0	990.4
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	2138.7	0.0	2138.7
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	3129.1	0.0	3129.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.2	1.8
10°-20°	188.3	6.0
20°-30°	339.0	10.8
30°-40°	512.0	16.4
40°-50°	689.4	22.0
50°-60°	828.4	26.5
60°-70°	403.5	12.9
70°-80°	99.4	3.2
80°-90°	12.0	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°	3129.1	100.0
0°-180°	3129.1	100.0

**Coefficient of Utilization**



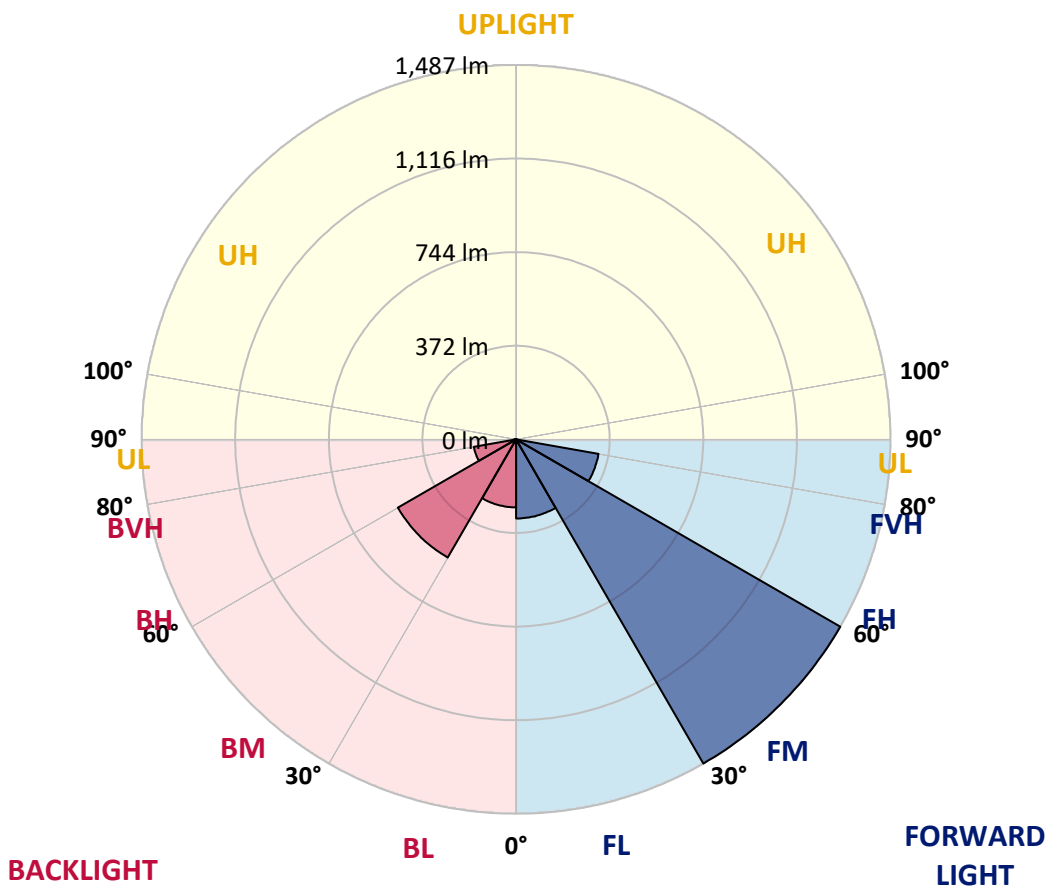
REPORT NUMBER: P629424

CATALOG NUMBER: GWS-SA1B-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°)	314.3	10.0			
FM (30°-60°)	1487.4	47.5			
FH (60°-80°)	332.5	10.6			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	270.1	8.6	B1/500		
BM (30°-60°)	542.4	17.3	B1/1000		
BH (60°-80°)	170.3	5.4	B1/500		G1/500
BVH (80°-90°)	7.5	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





REPORT NUMBER: P629424

CATALOG NUMBER: GWS-SA1B-750-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3
2.5°	579.2	579.0	579.0	580.6	580.6	581.1	581.9	582.7	582.9	581.6	578.7
5°	585.6	585.6	585.6	586.9	586.9	587.4	588.4	588.7	588.4	586.3	583.4
7.5°	595.5	595.5	595.8	597.4	598.7	599.5	601.3	601.1	600.3	596.9	593.2
10°	611.8	612.6	613.4	615.3	617.9	619.7	621.0	621.0	620.0	614.7	610.0
12.5°	635.0	636.0	636.8	638.4	640.5	643.6	646.5	646.5	645.2	638.6	631.5
15°	662.0	663.1	662.8	663.3	667.3	671.8	674.1	675.7	676.2	667.0	656.0
17.5°	693.0	694.1	693.0	691.5	692.0	699.1	703.3	709.1	712.5	700.1	682.5
20°	721.2	720.1	720.1	721.2	722.7	731.4	737.7	747.2	751.4	736.4	709.1
22.5°	750.9	753.2	752.2	752.2	758.5	772.9	780.6	792.9	797.4	777.9	741.1
25°	789.2	791.3	790.8	791.3	798.7	819.2	826.8	849.7	854.1	826.3	776.6
27.5°	831.3	834.7	836.3	835.8	847.6	874.4	883.8	915.6	923.8	880.4	814.5
30°	886.0	889.6	890.9	890.4	904.3	940.9	951.7	987.9	999.5	944.6	862.6
32.5°	949.3	953.0	956.9	958.5	976.4	1013.7	1029.2	1066.8	1083.3	1018.7	920.6
35°	1012.1	1015.3	1022.9	1035.2	1059.7	1097.8	1111.4	1148.5	1164.5	1095.7	990.8
37.5°	1081.5	1083.6	1090.2	1107.2	1142.5	1178.7	1192.4	1227.9	1229.7	1170.1	1070.2
40°	1157.4	1157.4	1156.1	1172.9	1209.7	1246.3	1258.1	1278.6	1267.8	1227.3	1147.5
42.5°	1221.8	1220.8	1221.8	1237.6	1264.9	1294.6	1304.9	1300.9	1287.3	1271.2	1217.4
45°	1279.9	1280.7	1290.2	1302.2	1316.4	1334.1	1340.1	1317.8	1305.4	1306.5	1273.3
47.5°	1319.3	1320.1	1342.2	1362.4	1371.1	1376.6	1374.0	1343.0	1336.7	1348.5	1316.4
50°	1324.6	1328.8	1366.9	1408.4	1430.0	1430.8	1423.4	1385.6	1383.7	1397.1	1339.6
52.5°	1325.6	1329.8	1377.4	1452.3	1508.3	1520.1	1511.7	1472.3	1453.1	1439.7	1368.0
55°	1321.7	1326.4	1379.0	1481.8	1589.0	1636.3	1637.1	1581.4	1520.1	1511.2	1448.9
57.5°	1166.9	1168.7	1250.2	1406.9	1585.8	1719.9	1730.1	1654.4	1584.5	1576.1	1513.8
60°	812.9	820.2	908.8	1115.7	1332.2	1568.5	1601.6	1579.5	1532.7	1471.5	1298.8
62.5°	407.1	413.4	502.2	697.8	918.8	1105.4	1140.9	1164.3	1175.3	1109.6	884.4
65°	175.3	180.0	235.2	364.5	520.1	610.3	622.6	650.7	719.6	642.1	476.5
67.5°	117.2	120.4	148.5	222.3	306.4	312.2	310.4	316.4	331.4	273.6	215.2
70°	89.9	92.5	111.4	162.9	220.2	188.4	178.5	161.9	175.8	179.2	174.5
72.5°	65.2	67.3	81.5	111.2	138.0	120.4	118.8	127.2	146.1	151.4	148.5
75°	42.1	43.1	51.8	61.0	71.2	77.3	80.4	95.7	114.9	118.8	115.4
77.5°	28.1	28.9	33.9	39.2	40.5	40.7	41.8	48.6	61.8	69.1	68.3
80°	14.7	14.7	16.6	16.6	18.9	22.6	23.7	28.1	34.2	37.8	38.1
82.5°	5.8	6.0	7.1	7.9	9.5	11.6	12.4	14.7	17.9	20.5	22.9
85°	2.4	2.6	2.9	3.4	4.2	5.3	5.5	6.3	8.4	10.5	11.8
87.5°	0.0	0.0	0.3	0.3	0.5	0.8	0.8	1.1	1.3	2.4	3.2
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: P629424  
 CATALOG NUMBER: GWS-SA1B-750-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3	580.3
2.5°	582.1	578.7	582.1	583.2	586.1	587.1	585.3	585.0	585.0	582.4	581.6
5°	586.1	582.9	586.3	587.9	592.1	594.8	595.3	597.4	598.7	597.6	597.4
7.5°	595.8	591.9	595.5	597.9	603.4	607.6	609.5	614.2	617.6	617.1	616.8
10°	612.9	607.6	611.8	615.8	621.8	626.8	627.1	629.7	633.1	632.1	631.5
12.5°	632.6	627.6	632.3	636.3	643.4	645.5	642.1	641.0	641.5	640.2	639.2
15°	656.8	649.7	653.9	658.4	662.3	659.9	652.6	649.7	649.4	647.6	646.5
17.5°	681.0	672.0	675.2	677.5	675.7	668.3	659.1	654.1	651.8	648.1	647.1
20°	704.9	693.6	693.0	691.2	682.8	669.4	657.0	647.1	641.0	636.0	634.2
22.5°	732.2	716.4	708.5	700.1	681.7	659.9	641.3	627.1	617.4	611.0	608.9
25°	761.6	739.3	723.0	706.2	671.2	639.7	613.7	594.2	582.7	575.8	573.5
27.5°	790.8	760.1	735.6	707.0	650.2	610.5	575.6	549.3	537.7	532.2	530.4
30°	830.2	787.7	750.6	696.7	622.6	570.0	526.4	499.9	492.3	488.3	486.7
32.5°	875.7	822.6	770.6	675.2	587.4	522.7	476.7	458.3	453.1	445.5	445.2
35°	935.6	872.5	789.5	643.4	543.0	472.0	438.6	425.5	416.0	403.9	402.9
37.5°	1005.5	934.8	799.7	602.9	491.2	430.2	410.3	395.5	380.3	364.3	362.2
40°	1077.8	1007.6	800.5	555.1	440.5	402.6	385.8	366.6	347.7	329.8	327.5
42.5°	1153.8	1075.4	786.6	499.9	399.0	378.7	361.6	337.5	316.2	304.1	302.8
45°	1221.6	1130.1	755.1	441.8	368.2	358.7	336.9	310.9	299.6	290.9	289.1
47.5°	1274.9	1166.4	712.5	389.8	343.2	338.2	309.9	296.5	287.8	279.9	278.1
50°	1301.2	1174.5	657.0	347.4	320.1	314.1	294.6	284.4	278.6	272.3	270.7
52.5°	1333.8	1183.7	609.2	312.0	297.5	289.4	282.0	273.9	269.6	265.7	264.4
55°	1408.7	1218.4	584.0	283.6	276.0	272.3	271.2	264.4	263.1	260.4	258.1
57.5°	1439.2	1196.1	524.3	260.4	258.9	259.4	262.0	255.7	254.4	251.3	249.7
60°	1157.4	904.1	355.1	240.5	244.7	248.1	250.7	244.4	242.6	242.1	240.0
62.5°	741.7	556.1	247.8	221.8	228.1	232.3	233.9	227.9	226.5	230.8	231.0
65°	386.1	303.0	201.1	201.8	207.1	213.4	216.6	214.5	213.9	218.4	218.7
67.5°	197.1	185.3	175.3	178.2	182.4	190.5	197.9	207.1	210.3	210.8	211.0
70°	167.9	162.7	157.7	159.5	164.0	168.5	175.6	180.0	174.8	173.5	172.9
72.5°	143.0	139.0	136.7	138.8	141.1	140.3	138.2	140.3	141.1	141.4	141.7
75°	111.2	108.3	106.4	106.7	106.7	103.8	99.9	97.5	94.9	92.8	92.8
77.5°	68.1	68.6	70.4	70.2	69.9	68.9	64.9	62.8	56.5	54.7	54.7
80°	38.9	39.7	41.5	42.1	42.1	40.7	36.8	34.4	31.5	30.2	30.0
82.5°	23.7	24.7	25.8	26.3	26.5	25.0	21.6	19.7	18.1	16.8	16.8
85°	12.4	12.9	13.9	14.2	13.4	11.8	10.0	9.2	7.6	7.4	7.4
87.5°	3.4	3.7	4.2	3.4	3.2	2.4	1.3	1.1	0.5	0.3	0.3
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)