

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: P629400

Luminaire Tested: GWS-SA1B-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

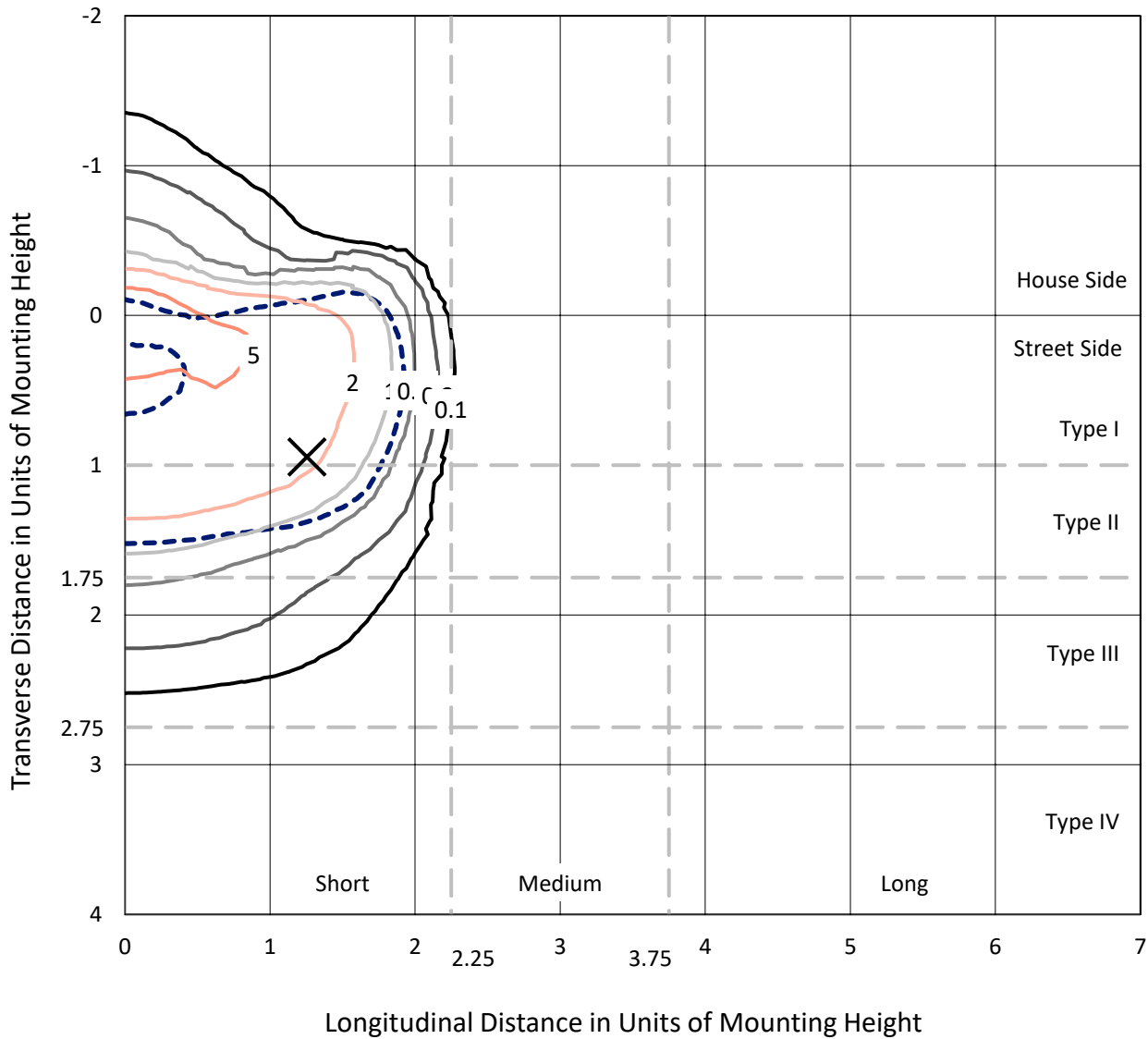
Lumens per Lamp: N/A  
Luminaire Lumens: 2144.3 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P629400  
 CATALOG NUMBER: GWS-SA1B-750-U-SL3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

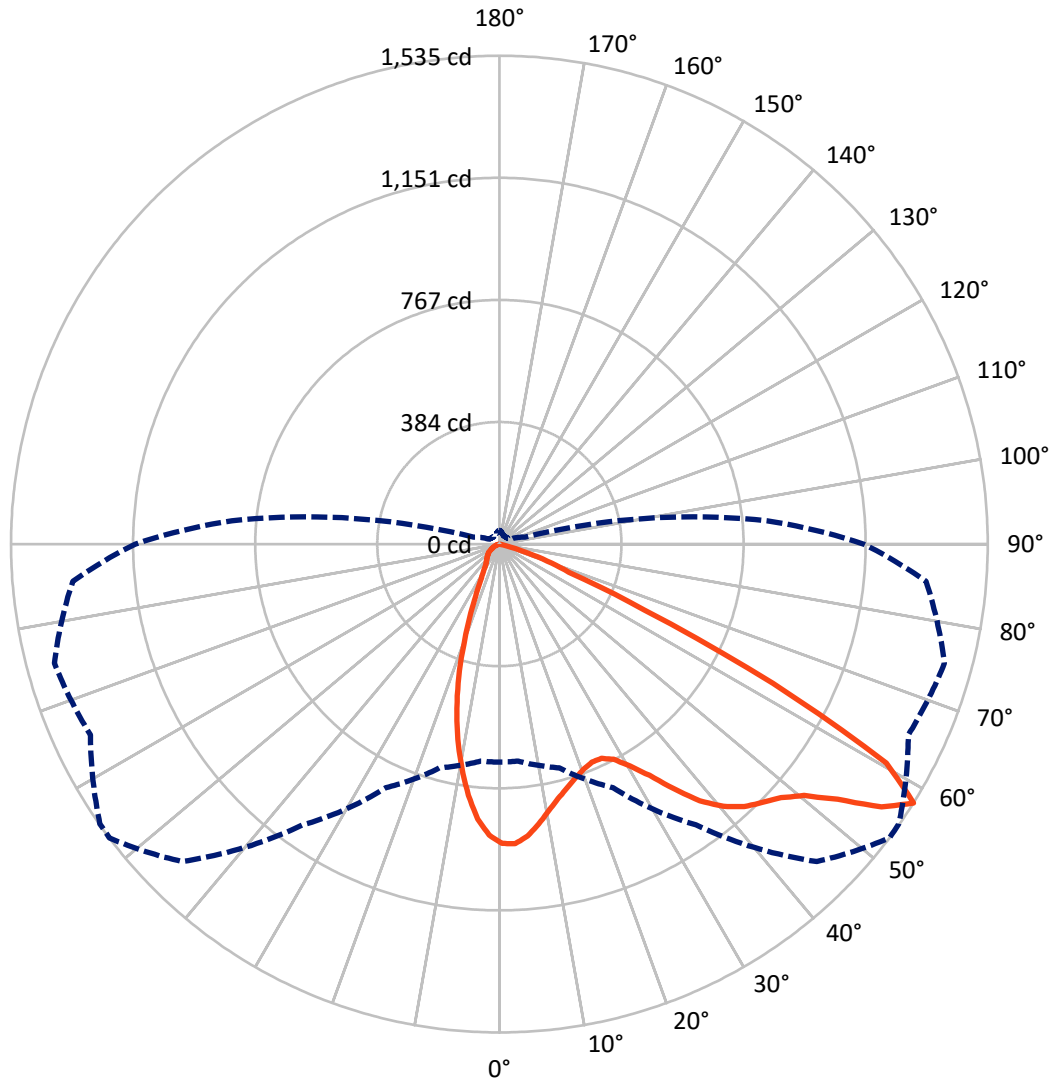
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P629400  
CATALOG NUMBER: GWS-SA1B-750-U-SL3-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P629400  
 CATALOG NUMBER: GWS-SA1B-750-U-SL3-W-GRSBK

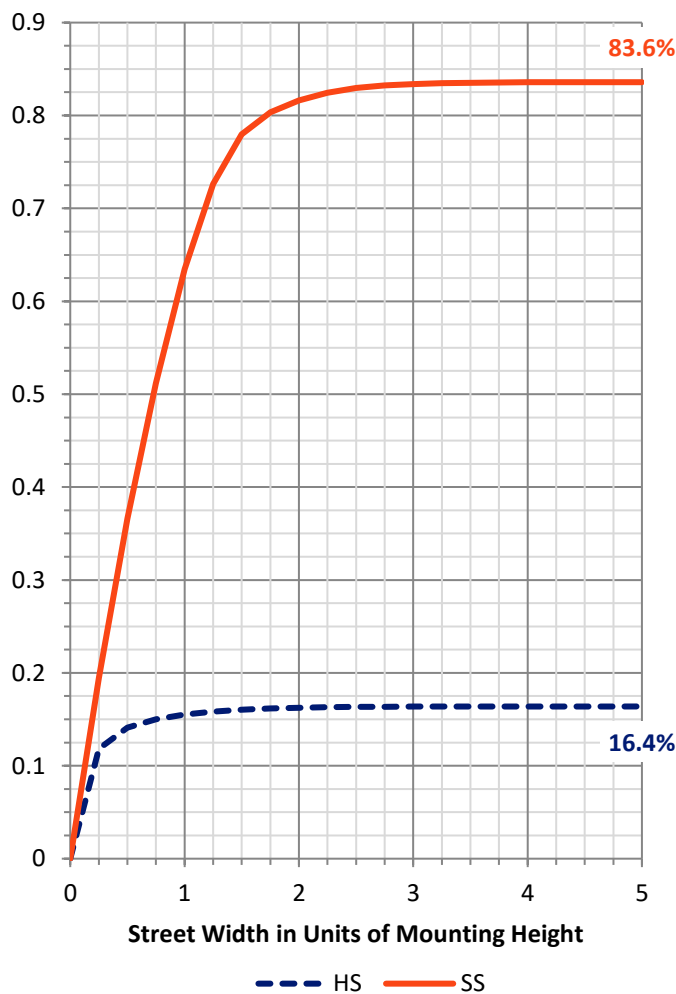
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	354.2	0.0	354.2
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	1790.1	0.0	1790.1
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2144.3	0.0	2144.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.5	3.8
10°-20°	176.7	8.2
20°-30°	230.2	10.7
30°-40°	333.9	15.6
40°-50°	481.7	22.5
50°-60°	582.6	27.2
60°-70°	237.4	11.1
70°-80°	21.3	1.0
80°-90°	0.0	0.0
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°	2144.3	100.0
0°-180°	2144.3	100.0

**Coefficient of Utilization**



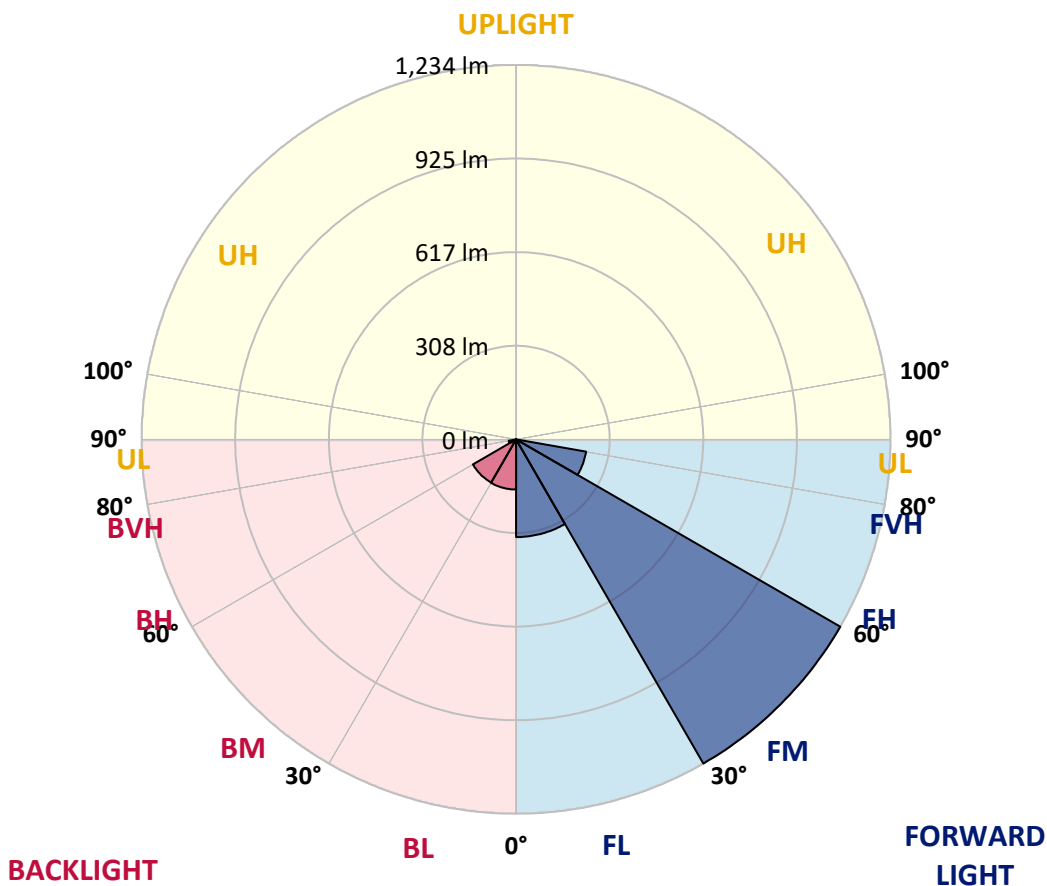
REPORT NUMBER: P629400

CATALOG NUMBER: GWS-SA1B-750-U-SL3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.0	15.0			
FM (30°-60°)	1233.8	57.5			
FH (60°-80°)	234.3	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	165.3	7.7	B1/500		
BM (30°-60°)	164.4	7.7	B0/220		
BH (60°-80°)	24.5	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





REPORT NUMBER: P629400  
 CATALOG NUMBER: GWS-SA1B-750-U-SL3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6
2.5°	927.5	929.6	933.3	938.0	941.1	942.7	942.7	947.2	944.3	941.9	939.3
5°	887.8	889.9	894.9	902.5	910.1	915.6	922.0	926.7	928.5	928.5	924.1
7.5°	831.8	834.7	837.9	848.4	864.9	877.3	888.0	894.9	904.9	908.0	901.7
10°	771.6	774.5	781.6	796.1	815.0	833.4	851.8	860.5	877.5	886.5	879.4
12.5°	720.6	722.0	731.4	748.8	772.9	798.2	820.5	829.4	853.6	867.0	858.6
15°	678.6	679.4	688.8	708.0	735.9	766.9	795.0	804.2	833.9	854.1	841.5
17.5°	646.8	647.0	655.2	676.0	705.1	739.6	772.9	784.2	822.6	847.1	828.1
20°	630.8	630.0	635.7	653.9	681.5	715.9	755.3	769.3	816.3	846.0	817.9
22.5°	631.0	629.2	631.5	644.4	667.8	700.1	744.3	760.1	816.8	850.5	809.2
25°	646.0	643.4	643.9	650.7	667.3	696.7	745.9	762.7	827.3	865.4	806.1
27.5°	671.2	668.3	668.3	671.8	680.7	707.5	765.6	784.8	855.5	894.6	812.6
30°	703.8	700.9	699.9	703.3	710.6	735.4	809.5	829.4	903.6	942.5	833.6
32.5°	741.1	737.7	739.6	744.3	751.4	785.6	866.0	892.5	963.7	1006.8	871.5
35°	780.6	777.7	786.1	796.3	807.4	855.2	944.0	967.2	1037.6	1087.0	929.3
37.5°	818.1	816.8	834.4	856.0	878.9	938.8	1023.4	1041.3	1100.9	1174.3	1000.0
40°	855.7	855.5	885.7	923.5	960.1	1022.1	1083.6	1098.3	1139.6	1242.1	1067.8
42.5°	897.8	897.8	939.6	990.0	1038.6	1092.5	1127.7	1134.3	1156.9	1281.2	1118.8
45°	938.0	940.3	988.7	1047.3	1104.9	1147.4	1158.2	1158.7	1164.0	1304.3	1161.1
47.5°	969.8	971.9	1029.7	1097.2	1159.3	1189.2	1190.8	1188.4	1182.7	1326.4	1193.7
50°	995.5	998.7	1059.1	1130.6	1196.6	1229.4	1241.5	1239.2	1224.5	1350.1	1216.6
52.5°	1008.2	1012.6	1069.4	1147.2	1238.1	1298.3	1331.9	1337.5	1287.0	1363.2	1238.4
55°	907.2	913.8	966.1	1072.5	1261.2	1404.7	1457.6	1456.5	1354.8	1402.4	1291.5
57.5°	685.2	684.6	728.0	844.4	1077.3	1410.8	1534.8	1532.7	1418.1	1447.8	1345.9
60°	466.5	463.3	474.9	531.1	753.2	1149.3	1396.9	1425.2	1373.2	1337.5	1142.7
62.5°	384.0	381.1	377.4	361.9	432.6	715.9	965.1	1008.2	1001.3	929.6	716.7
65°	314.3	316.7	326.9	320.4	300.9	367.2	500.9	526.4	481.2	405.0	250.5
67.5°	231.8	232.9	246.3	280.9	270.4	244.4	235.7	239.9	140.6	64.7	41.8
70°	136.9	137.7	150.1	196.6	219.4	187.6	159.3	156.9	55.7	17.3	18.9
72.5°	77.5	76.0	78.3	93.6	119.6	99.6	82.0	74.6	16.8	9.7	9.7
75°	36.8	35.7	30.7	28.9	26.3	16.8	10.5	8.9	4.2	3.9	3.9
77.5°	0.3	0.8	0.5	0.8	0.8	0.5	0.3	0.3	0.8	0.8	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P629400

CATALOG NUMBER: GWS-SA1B-750-U-SL3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6	940.6
2.5°	934.6	926.7	924.8	924.3	917.0	909.1	900.9	897.8	893.0	890.2	892.5
5°	917.0	905.7	895.7	886.5	870.2	852.3	836.8	826.8	817.4	811.0	812.6
7.5°	892.0	877.3	854.4	831.0	801.1	774.3	744.3	725.9	708.8	699.3	703.8
10°	865.4	846.0	809.5	769.8	722.7	680.7	637.9	602.9	582.7	563.5	565.6
12.5°	839.4	813.7	759.0	698.8	639.4	577.4	512.8	464.4	431.3	407.4	403.7
15°	815.2	782.1	709.9	630.5	549.5	467.0	384.5	315.4	277.0	253.4	251.8
17.5°	793.7	752.7	658.9	559.0	457.6	351.9	257.0	205.3	183.2	172.9	171.9
20°	772.9	723.0	606.8	486.5	357.2	247.0	177.4	153.5	146.4	142.2	142.7
22.5°	753.0	690.7	552.2	406.0	267.8	173.5	137.5	128.3	127.5	128.0	128.3
25°	736.1	661.0	495.9	328.5	191.1	132.2	114.8	112.2	114.6	118.0	118.5
27.5°	727.5	636.8	441.0	250.5	138.2	107.5	99.6	100.7	104.9	108.5	109.1
30°	729.8	618.7	384.2	181.6	106.4	90.7	88.0	90.1	94.4	97.8	98.3
32.5°	746.7	609.5	326.2	132.2	87.5	79.1	78.1	79.6	83.3	85.9	86.2
35°	780.0	611.6	271.0	101.2	75.2	70.4	70.2	71.2	73.1	74.9	75.2
37.5°	829.2	628.7	216.6	84.1	68.1	64.7	63.6	63.6	64.9	65.7	66.2
40°	882.0	654.4	173.5	74.4	63.1	59.4	57.3	56.5	57.6	58.6	58.9
42.5°	925.6	680.2	140.9	67.5	59.1	54.1	51.5	51.0	52.3	54.1	54.7
45°	959.0	700.1	117.5	62.0	54.7	49.1	46.3	46.3	48.6	51.8	52.3
47.5°	989.5	716.2	100.1	57.0	50.5	44.7	41.8	42.3	46.3	50.5	51.2
50°	1010.3	729.0	87.3	52.6	47.0	41.0	38.4	39.4	44.2	49.1	49.9
52.5°	1032.6	744.8	78.8	48.6	43.9	38.1	35.7	36.5	41.8	47.3	48.4
55°	1094.4	797.6	78.6	43.4	38.4	34.2	33.1	33.4	38.6	44.9	46.3
57.5°	1144.8	844.2	83.8	36.5	32.1	30.0	29.4	29.7	34.4	41.5	43.1
60°	947.2	656.0	69.4	30.2	26.8	26.3	25.5	26.0	30.5	36.8	38.1
62.5°	560.6	375.0	33.1	23.1	22.9	22.3	21.6	22.6	26.8	32.3	33.1
65°	191.6	111.2	21.0	18.9	19.4	18.7	17.9	18.9	22.6	25.8	26.0
67.5°	36.8	29.4	16.8	15.8	16.0	14.5	14.2	15.2	17.3	17.9	17.6
70°	19.2	17.1	12.9	12.9	12.4	10.2	10.2	11.3	11.3	10.5	10.2
72.5°	10.0	9.5	8.4	9.5	7.9	6.3	6.3	6.8	6.3	5.3	5.3
75°	3.9	3.9	3.7	4.7	3.4	2.9	2.6	3.2	2.4	1.8	1.8
77.5°	1.1	1.1	1.1	1.3	0.8	0.8	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)