

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: P634338

Luminaire Tested: GWS-SA3B-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-AFL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9652.5 lumens  
Efficiency: N/A  
Efficacy: 141.3 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

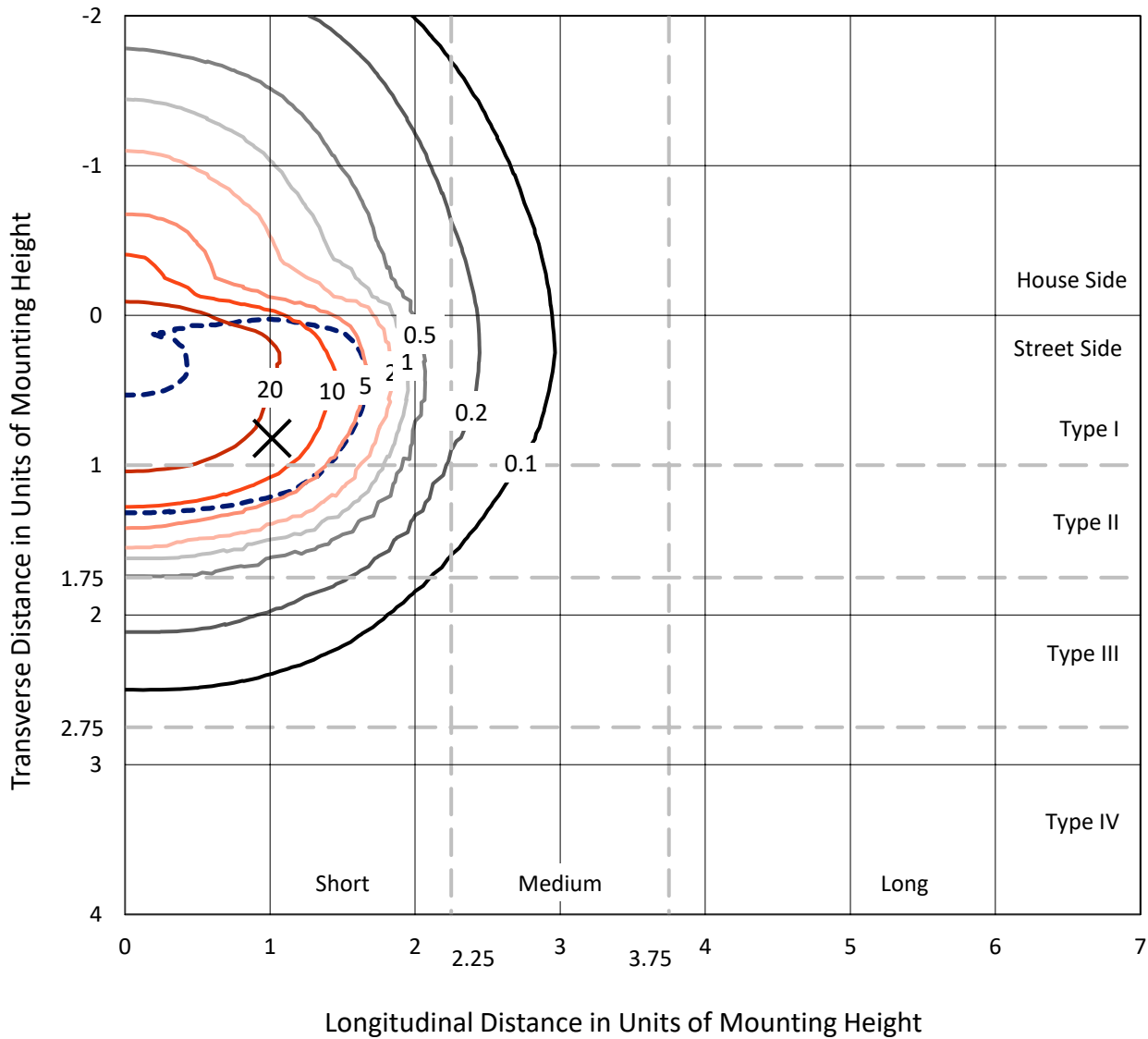


REPORT NUMBER: P634338

CATALOG NUMBER: GWS-SA3B-750-U-AFL-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

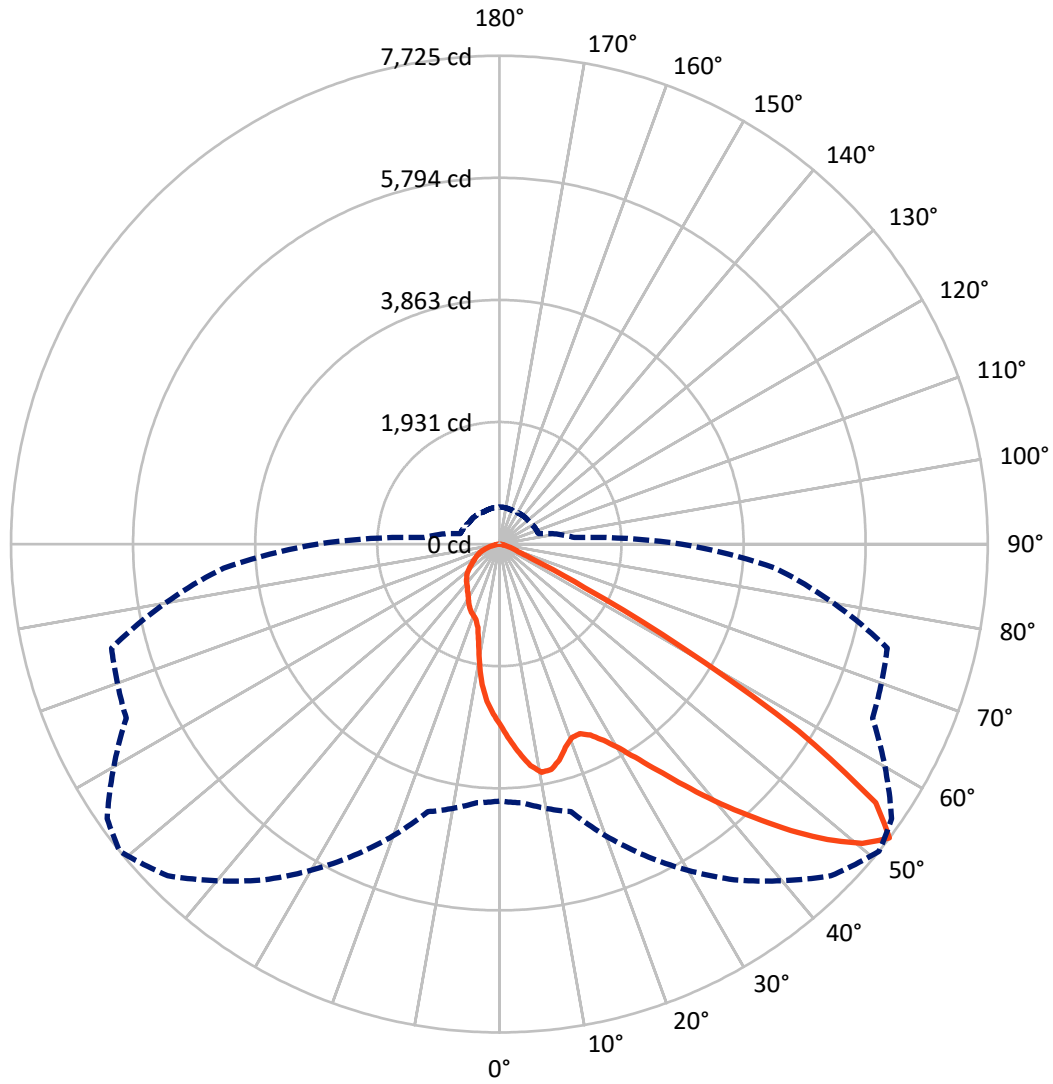
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P634338  
CATALOG NUMBER: GWS-SA3B-750-U-AFL-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P634338

CATALOG NUMBER: GWS-SA3B-750-U-AFL-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1880.7	0.0	1880.7
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	7771.8	0.0	7771.8
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	9652.5	0.0	9652.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.2	2.8
10°-20°	696.9	7.2
20°-30°	1133.0	11.7
30°-40°	1795.6	18.6
40°-50°	2708.2	28.1
50°-60°	2342.8	24.3
60°-70°	531.1	5.5
70°-80°	156.6	1.6
80°-90°	20.2	0.2
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°	9652.5	100.0
0°-180°	9652.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634338

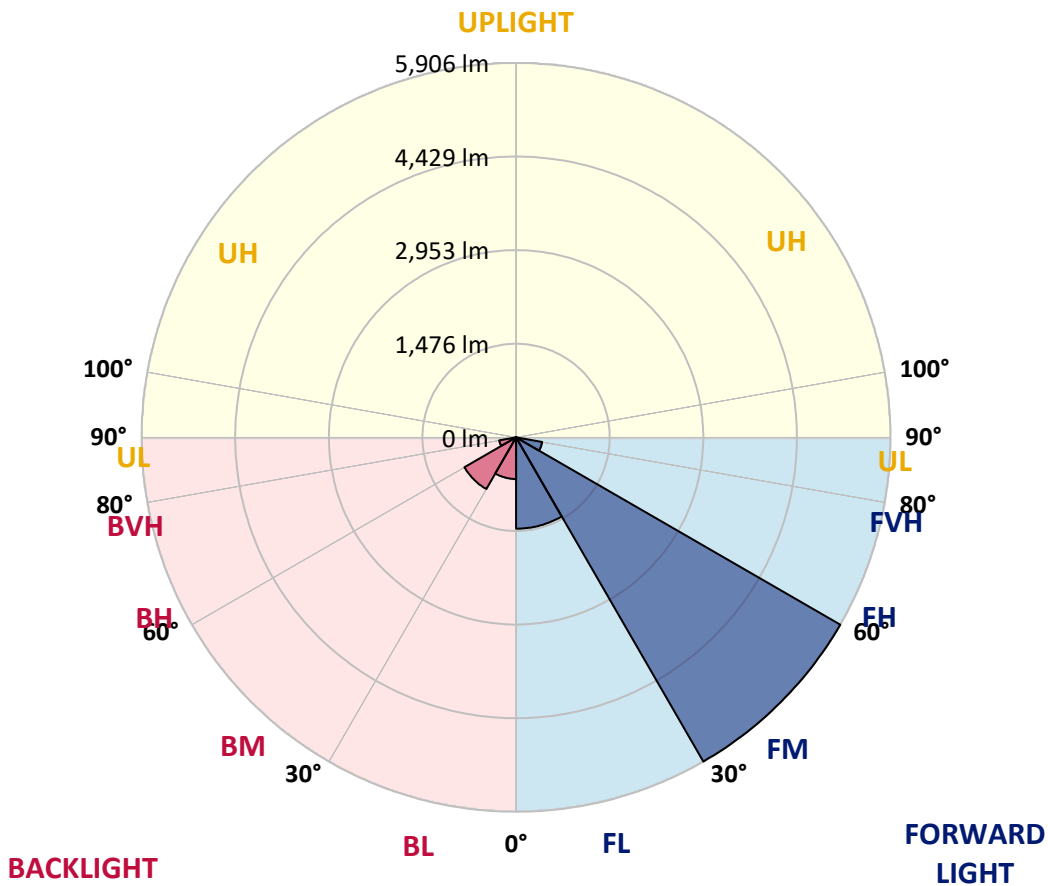
CATALOG NUMBER: GWS-SA3B-750-U-AFL-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1440.7	14.9			
FM (30°-60°)	5905.5	61.2			
FH (60°-80°)	418.0	4.3			G0/660
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	657.4	6.8	B2/1000		
BM (30°-60°)	941.0	9.7	B1/1000		
BH (60°-80°)	269.7	2.8	B1/500		G1/500
BVH (80°-90°)	12.6	0.1			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





REPORT NUMBER: P634338

CATALOG NUMBER: GWS-SA3B-750-U-AFL-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0
2.5°	3202.8	3221.1	3192.9	3182.2	3164.6	3134.1	3099.0	3089.1	3013.6	2964.0	2908.4
5°	3524.7	3534.6	3511.7	3488.8	3445.3	3391.2	3323.3	3308.8	3171.5	3057.9	2939.6
7.5°	3596.4	3592.5	3612.4	3625.3	3620.0	3598.6	3538.4	3510.2	3346.2	3166.2	2991.5
10°	3312.6	3291.3	3364.5	3451.4	3555.9	3676.4	3669.6	3667.3	3524.7	3311.8	3057.9
12.5°	2936.6	2925.9	2985.4	3094.5	3292.0	3559.0	3658.9	3736.7	3685.6	3450.7	3131.8
15°	2721.5	2717.7	2758.1	2836.7	2993.8	3330.9	3544.5	3698.6	3823.7	3599.4	3210.4
17.5°	2682.6	2684.9	2698.6	2743.6	2856.5	3134.1	3381.3	3596.4	3931.2	3762.6	3308.8
20°	2796.2	2811.5	2787.8	2794.7	2855.7	3063.2	3269.9	3493.4	3999.8	3926.6	3414.8
22.5°	3048.7	3043.4	2991.5	2961.0	2961.7	3106.7	3257.7	3445.3	4044.8	4086.0	3510.9
25°	3334.7	3328.6	3266.8	3199.0	3156.2	3224.9	3345.4	3496.4	4085.3	4231.7	3588.0
27.5°	3672.6	3653.6	3584.9	3498.0	3403.4	3433.1	3514.7	3634.5	4147.8	4375.1	3639.1
30°	3999.8	4022.0	3923.6	3820.6	3720.7	3702.4	3749.7	3858.0	4275.2	4542.9	3700.1
32.5°	4433.8	4426.2	4317.1	4182.9	4040.3	4026.5	4063.9	4163.1	4504.0	4774.8	3793.1
35°	4959.4	4960.9	4806.1	4624.5	4421.6	4385.0	4447.6	4543.7	4845.0	5089.0	3940.4
37.5°	5505.5	5503.2	5368.2	5162.3	4885.4	4833.5	4905.2	4976.9	5271.3	5516.9	4169.2
40°	5888.4	5903.7	5840.4	5732.0	5469.7	5343.0	5406.4	5455.9	5735.1	6020.4	4470.5
42.5°	6105.8	6128.7	6142.4	6207.2	6069.2	5934.2	5911.3	5937.2	6149.3	6487.9	4753.4
45°	6152.3	6182.8	6282.7	6523.0	6576.4	6538.3	6463.5	6401.0	6458.2	6819.7	4938.8
47.5°	5947.1	6000.5	6214.1	6634.4	6946.3	7066.1	6982.9	6887.6	6636.7	6905.1	4919.7
50°	5134.1	5196.6	5677.9	6407.1	6999.0	7435.3	7442.9	7301.8	6615.3	6658.8	4680.2
52.5°	4064.7	4107.4	4382.7	5431.5	6482.6	7420.0	7725.1	7574.1	6512.3	6350.6	4380.5
55°	2429.3	2498.0	2755.0	3583.4	5050.1	6576.4	7226.3	7299.5	6462.0	6092.1	4176.0
57.5°	820.0	853.5	1099.1	1582.7	2976.2	4815.2	5583.3	5880.8	5866.3	5697.0	3777.1
60°	390.5	398.2	447.7	600.3	1191.4	2516.3	3305.0	3648.2	3960.9	3992.2	2350.0
62.5°	297.5	302.0	327.2	360.0	479.0	1060.2	1514.8	1777.2	1898.5	1629.2	855.8
65°	248.7	252.5	271.5	292.1	325.7	459.2	581.2	670.5	604.1	470.6	408.1
67.5°	207.5	210.5	225.0	247.1	270.0	307.4	322.6	331.8	347.8	390.5	375.3
70°	162.5	165.5	180.8	199.8	222.0	231.1	245.6	254.8	286.8	341.7	340.2
72.5°	125.1	128.9	137.3	149.5	167.8	177.0	193.0	203.7	222.0	266.2	284.5
75°	91.5	93.8	101.4	105.3	107.5	105.3	121.3	133.5	157.9	174.7	179.2
77.5°	37.4	42.0	40.4	40.4	48.1	58.0	66.4	74.0	90.8	100.7	101.4
80°	15.3	16.8	19.8	22.1	26.7	34.3	39.7	42.7	50.3	56.4	61.0
82.5°	9.2	9.9	11.4	12.2	15.3	19.8	22.9	25.2	31.3	37.4	39.7
85°	4.6	4.6	5.3	6.1	7.6	9.2	10.7	12.2	16.0	19.8	22.1
87.5°	0.8	0.8	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	7.6
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: P634338

CATALOG NUMBER: GWS-SA3B-750-U-AFL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0	2874.0
2.5°	2875.6	2834.4	2786.3	2748.2	2703.9	2671.1	2624.6	2595.6	2568.2	2545.3	2528.5
5°	2878.6	2809.2	2709.3	2620.8	2529.3	2442.3	2353.1	2280.6	2215.8	2161.6	2157.0
7.5°	2896.2	2796.2	2639.9	2485.0	2306.5	2134.2	1961.8	1821.4	1714.7	1659.0	1647.5
10°	2925.9	2794.7	2568.9	2321.8	2017.5	1739.8	1535.4	1428.6	1366.8	1344.7	1337.1
12.5°	2957.2	2790.9	2478.2	2091.5	1668.9	1425.6	1313.5	1300.5	1311.9	1313.5	1312.7
15°	2995.3	2788.6	2363.8	1821.4	1414.1	1279.9	1287.5	1315.0	1341.7	1347.8	1347.8
17.5°	3041.8	2783.3	2208.2	1557.5	1254.7	1251.7	1292.1	1328.7	1353.9	1358.5	1358.5
20°	3090.7	2769.5	2016.7	1342.4	1189.9	1234.1	1277.6	1305.8	1323.4	1329.5	1330.2
22.5°	3124.2	2732.9	1796.3	1183.0	1149.5	1200.6	1231.8	1260.8	1260.8	1245.6	1241.0
25°	3131.1	2654.4	1557.5	1073.9	1101.4	1148.7	1180.7	1164.0	1132.7	1120.5	1119.7
27.5°	3105.9	2539.9	1321.8	996.1	1043.4	1090.7	1085.4	1061.0	1047.3	1035.0	1039.6
30°	3075.4	2402.7	1117.4	932.1	976.3	1022.8	1004.5	996.1	986.2	972.5	975.6
32.5°	3054.8	2249.3	960.3	882.5	931.3	938.9	951.9	951.1	942.0	916.1	914.5
35°	3060.9	2094.5	855.0	842.1	893.9	890.9	915.3	910.7	847.4	811.6	809.3
37.5°	3109.7	1945.8	793.3	810.0	834.4	853.5	874.9	820.0	797.8	775.0	776.5
40°	3202.8	1807.7	759.7	792.5	798.6	826.8	777.2	776.5	766.6	746.0	745.2
42.5°	3308.0	1691.0	736.8	784.1	775.7	781.1	728.4	734.5	733.8	720.8	717.0
45°	3372.1	1583.5	718.5	752.8	755.1	701.7	685.7	692.6	696.4	689.5	688.8
47.5°	3305.7	1459.9	699.4	704.8	724.6	665.9	646.0	646.8	653.7	654.4	651.4
50°	3119.6	1321.8	676.6	663.6	650.6	628.5	610.2	606.4	613.2	620.1	622.4
52.5°	2879.4	1189.9	638.4	618.6	588.1	588.1	579.7	567.5	576.6	585.8	588.8
55°	2703.2	1092.3	584.3	562.1	528.6	540.0	538.5	527.8	540.0	546.9	549.2
57.5°	2342.4	877.9	514.1	507.2	479.0	492.7	495.8	482.1	476.0	477.5	479.8
60°	1390.5	566.7	463.8	463.0	437.8	453.8	463.0	449.3	431.0	433.2	436.3
62.5°	623.9	433.2	400.4	397.4	396.6	417.2	427.1	414.2	388.2	390.5	393.6
65°	392.8	374.5	347.8	347.8	360.0	377.6	385.2	374.5	344.8	340.9	344.0
67.5°	364.6	348.6	321.1	315.8	321.9	336.4	337.1	316.5	299.0	295.9	295.9
70°	327.2	315.0	288.3	277.6	275.4	274.6	272.3	267.0	255.5	252.5	254.0
72.5°	270.8	262.4	245.6	234.2	228.1	227.3	218.1	213.6	203.7	202.1	201.4
75°	179.2	181.5	181.5	180.0	174.7	172.4	162.5	157.9	146.4	141.9	141.1
77.5°	106.0	108.3	111.4	112.1	111.4	111.4	102.2	96.9	85.4	79.3	77.8
80°	64.8	66.4	67.9	70.2	67.1	64.8	56.4	51.1	45.8	42.0	41.2
82.5°	42.0	43.5	44.2	45.8	44.2	41.2	34.3	31.3	27.5	24.4	23.6
85°	23.6	24.4	25.9	25.9	23.6	21.4	17.5	15.3	13.0	11.4	11.4
87.5°	8.4	8.4	8.4	9.2	7.6	6.9	4.6	3.1	2.3	2.3	2.3
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)