

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: P639024

Luminaire Tested: GWS-SA5B-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10952.9 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

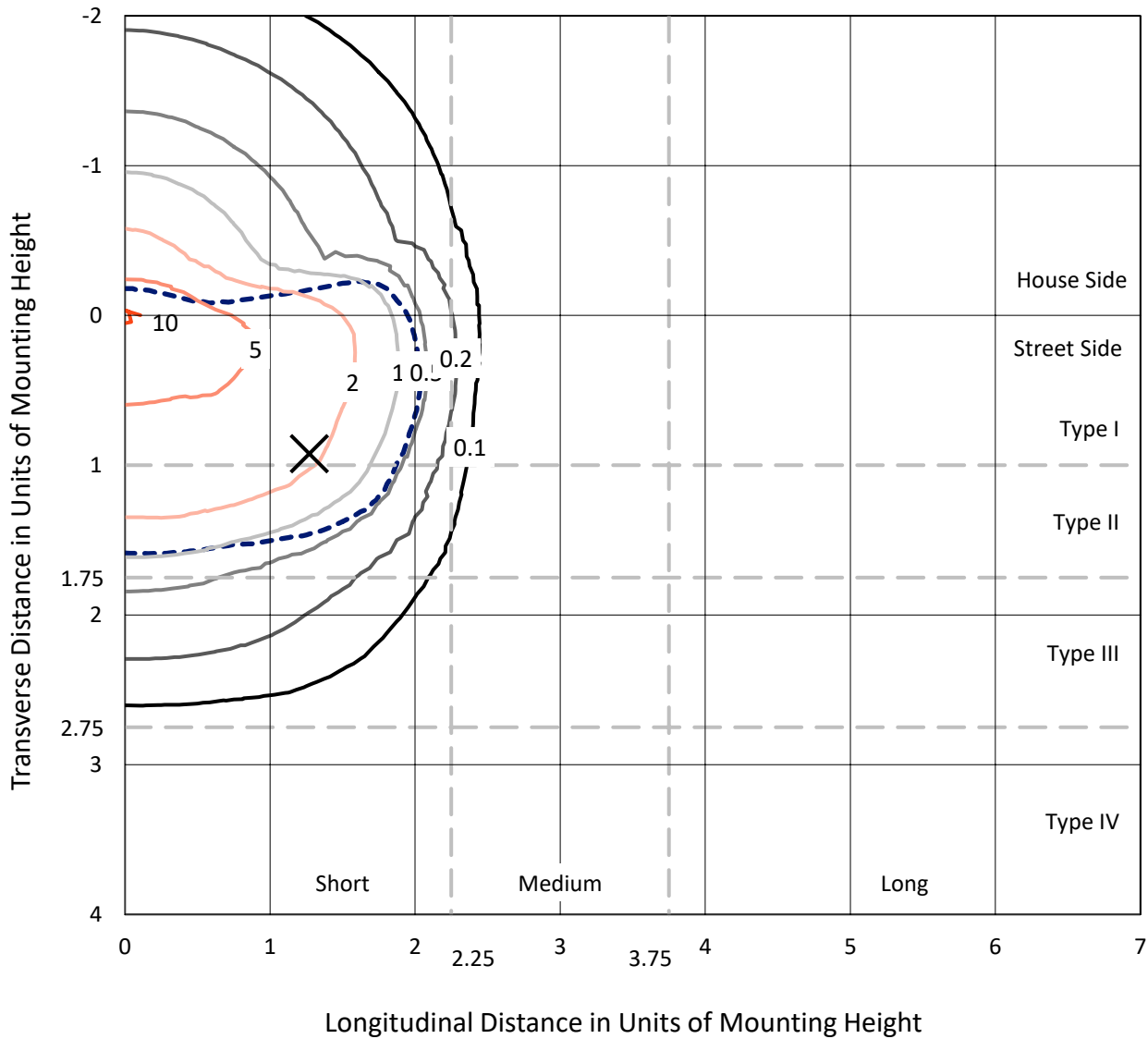
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639024
 CATALOG NUMBER: GWS-SA5B-722-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

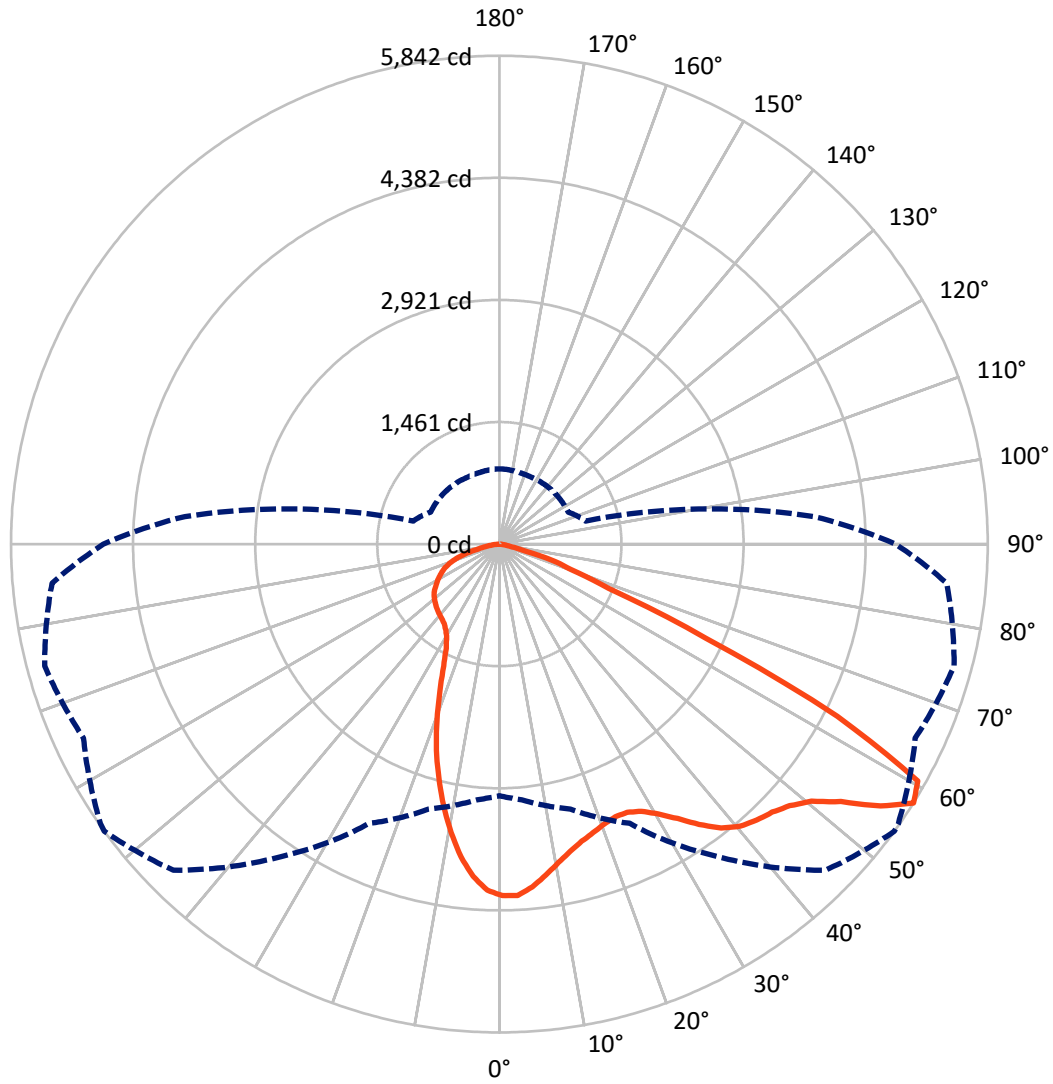
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

REPORT NUMBER: P639024
CATALOG NUMBER: GWS-SA5B-722-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639024

CATALOG NUMBER: GWS-SA5B-722-U-SL3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3184.1	0.0	3184.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	7768.8	0.0	7768.8
	% Fixture	70.9	0.0	70.9
Total	Lumens	10952.9	0.0	10952.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	3.4
10°-20°	882.0	8.1
20°-30°	1220.5	11.1
30°-40°	1695.9	15.5
40°-50°	2239.8	20.4
50°-60°	2661.6	24.3
60°-70°	1474.6	13.5
70°-80°	367.2	3.4
80°-90°	41.8	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°	10952.9	100.0
0°-180°	10952.9	100.0

Coefficient of Utilization



REPORT NUMBER: P639024

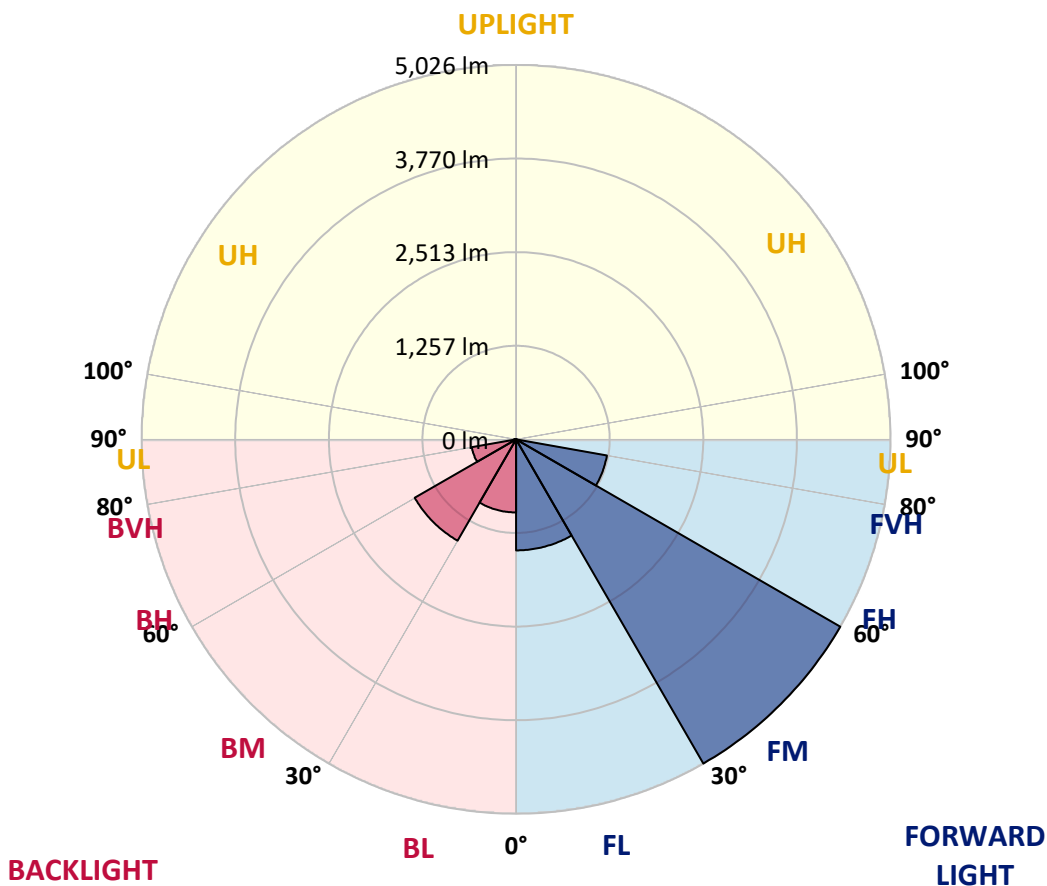
CATALOG NUMBER: GWS-SA5B-722-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1490.9	13.6			
FM (30°-60°)	5026.5	45.9			
FH (60°-80°)	1238.4	11.3			G1/1800
FVH (80°-90°)	13.1	0.1			G1/100
BL (0°-30°)	981.2	9.0	B2/1000		
BM (30°-60°)	1570.8	14.3	B2/2500		
BH (60°-80°)	603.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	28.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P639024

CATALOG NUMBER: GWS-SA5B-722-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1
2.5°	4126.3	4134.7	4140.4	4160.1	4176.9	4191.9	4207.9	4207.9	4206.9	4204.1	4198.5
5°	3963.2	3972.5	3985.7	4012.9	4049.4	4075.7	4118.8	4122.6	4141.3	4148.8	4145.1
7.5°	3773.8	3776.6	3793.5	3829.1	3887.2	3934.1	3996.0	4003.5	4048.5	4074.7	4070.1
10°	3566.6	3557.2	3587.2	3639.7	3715.6	3794.4	3874.1	3880.7	3952.9	4002.5	3998.8
12.5°	3377.2	3378.1	3408.1	3471.9	3566.6	3664.1	3771.0	3786.0	3875.0	3938.8	3932.2
15°	3218.7	3222.5	3259.0	3331.2	3439.1	3555.3	3688.5	3702.5	3815.0	3899.4	3880.7
17.5°	3092.2	3095.9	3127.8	3210.3	3325.6	3466.3	3628.5	3642.5	3782.2	3882.5	3844.1
20°	3005.0	3003.1	3034.0	3112.8	3231.9	3384.7	3575.9	3596.6	3771.9	3889.1	3819.7
22.5°	2969.3	2968.4	2990.9	3055.6	3167.2	3321.9	3544.1	3572.2	3783.2	3918.2	3804.7
25°	2987.1	2983.4	3003.1	3050.9	3140.0	3297.5	3553.4	3583.4	3831.0	3978.2	3807.5
27.5°	3042.5	3037.8	3054.7	3097.8	3165.3	3322.8	3619.1	3653.8	3932.2	4087.9	3845.0
30°	3126.8	3124.0	3140.9	3182.2	3241.2	3407.2	3744.7	3784.1	4088.8	4258.5	3926.6
32.5°	3225.3	3220.6	3250.6	3298.4	3366.9	3560.9	3913.5	3965.0	4274.4	4477.9	4063.5
35°	3335.9	3332.2	3373.4	3442.8	3541.3	3774.7	4117.9	4174.1	4463.8	4726.4	4245.4
37.5°	3443.7	3443.7	3523.4	3626.6	3750.3	4007.2	4310.1	4345.7	4595.1	4946.7	4440.4
40°	3539.4	3545.0	3665.0	3819.7	3977.2	4217.3	4436.7	4466.7	4653.2	5098.6	4610.1
42.5°	3645.3	3650.0	3789.7	3992.2	4179.8	4387.0	4513.5	4528.5	4664.5	5174.5	4730.1
45°	3729.7	3736.3	3909.7	4126.3	4356.0	4514.5	4574.5	4587.6	4680.4	5215.8	4817.3
47.5°	3773.8	3783.2	3981.9	4234.1	4475.1	4628.9	4674.8	4680.4	4746.1	5288.0	4922.3
50°	3766.3	3785.0	4009.1	4287.6	4563.2	4744.2	4836.1	4845.4	4880.1	5393.9	5045.1
52.5°	3832.8	3841.3	4067.2	4351.3	4688.9	4957.0	5116.4	5129.5	5113.6	5473.6	5118.3
55°	3722.2	3762.5	3995.0	4342.0	4880.1	5286.1	5531.7	5525.2	5325.5	5562.7	5240.2
57.5°	3010.6	3069.7	3282.5	3685.6	4565.1	5516.7	5842.1	5826.2	5489.6	5631.1	5372.4
60°	2084.3	2093.6	2285.8	2571.8	3523.4	4873.6	5751.1	5785.8	5519.6	5544.9	5127.7
62.5°	1667.0	1664.2	1682.0	1689.5	2240.8	3425.9	4539.8	4666.4	4585.7	4320.4	3634.1
65°	1423.3	1433.6	1486.1	1458.9	1462.6	1929.5	2712.4	2730.2	2674.0	2578.4	1922.0
67.5°	1113.9	1131.7	1224.5	1330.4	1296.7	1242.3	1407.3	1398.9	1102.6	853.2	705.1
70°	697.6	708.8	808.2	1044.5	1128.9	1020.1	904.8	901.0	590.7	485.7	532.5
72.5°	406.9	408.8	436.9	582.2	749.1	697.6	665.7	641.3	379.7	387.2	424.7
75°	224.1	224.1	223.1	251.3	295.3	261.6	253.1	246.6	254.1	287.8	316.0
77.5°	46.9	47.8	50.6	66.6	86.3	105.0	132.2	133.1	166.0	192.2	214.7
80°	21.6	22.5	28.1	35.6	45.9	60.9	80.6	81.6	100.3	120.9	135.9
82.5°	11.3	12.2	15.0	18.8	24.4	31.9	45.0	45.0	60.0	71.3	80.6
85°	3.8	3.8	5.6	7.5	10.3	13.1	17.8	17.8	26.3	34.7	40.3
87.5°	0.0	0.0	0.0	0.0	0.9	1.9	3.8	3.8	4.7	5.6	9.4
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: P639024

CATALOG NUMBER: GWS-SA5B-722-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1	4205.1
2.5°	4186.3	4157.3	4158.2	4163.8	4146.0	4118.8	4101.0	4078.5	4064.4	4061.6	4071.9
5°	4126.3	4092.6	4069.1	4044.7	3994.1	3934.1	3887.2	3848.8	3823.5	3814.1	3802.8
7.5°	4043.8	3999.7	3940.7	3872.2	3780.3	3673.5	3598.4	3528.1	3479.4	3465.3	3458.7
10°	3961.3	3897.5	3792.5	3665.0	3512.2	3367.8	3231.9	3127.8	3045.3	2998.4	3013.4
12.5°	3876.0	3797.2	3633.1	3437.2	3224.4	3006.8	2828.7	2656.2	2523.0	2456.5	2436.8
15°	3801.0	3694.1	3465.3	3200.0	2916.8	2643.1	2385.2	2126.4	1957.7	1865.8	1840.5
17.5°	3737.2	3598.4	3288.1	2958.1	2619.6	2229.6	1912.7	1672.7	1557.3	1506.7	1502.9
20°	3674.4	3504.7	3112.8	2697.4	2276.5	1839.5	1556.4	1443.9	1402.6	1384.8	1383.9
22.5°	3618.1	3406.2	2928.1	2436.8	1935.2	1546.1	1390.4	1341.7	1330.4	1330.4	1328.6
25°	3570.3	3307.8	2738.7	2160.2	1626.7	1376.4	1304.2	1283.6	1288.2	1296.7	1297.6
27.5°	3550.6	3230.9	2555.9	1876.1	1413.9	1277.9	1245.1	1242.3	1255.4	1268.6	1270.4
30°	3571.3	3178.4	2368.3	1604.2	1286.4	1217.9	1202.9	1208.5	1224.5	1237.6	1237.6
32.5°	3635.0	3152.2	2177.1	1405.4	1212.3	1175.7	1171.0	1176.7	1188.9	1196.4	1197.3
35°	3742.8	3162.5	1979.2	1271.4	1164.5	1144.8	1143.9	1147.6	1152.3	1157.0	1157.9
37.5°	3878.8	3208.4	1767.3	1193.5	1133.5	1122.3	1120.4	1119.5	1120.4	1120.4	1121.4
40°	4011.9	3277.8	1578.0	1147.6	1112.0	1102.6	1097.9	1091.3	1090.4	1088.5	1087.6
42.5°	4110.4	3331.2	1427.0	1114.8	1092.3	1081.0	1075.4	1065.1	1064.2	1063.2	1062.3
45°	4184.4	3376.2	1301.4	1082.9	1071.7	1061.3	1049.2	1039.8	1041.7	1043.5	1043.5
47.5°	4267.9	3415.6	1209.5	1052.9	1046.3	1036.0	1021.0	1014.5	1021.0	1027.6	1027.6
50°	4369.1	3470.9	1134.5	1022.9	1020.1	1007.9	994.8	992.0	999.5	1008.8	1008.8
52.5°	4443.2	3518.8	1081.0	992.9	992.9	977.0	965.7	964.8	973.2	982.6	983.5
55°	4582.0	3630.3	1062.3	958.2	954.5	942.3	933.8	927.3	937.6	946.0	946.0
57.5°	4738.6	3778.5	1067.0	908.5	903.8	900.1	893.5	886.0	888.8	898.2	899.1
60°	4406.6	3491.6	1015.4	858.8	856.0	854.1	845.7	832.6	836.3	843.8	844.8
62.5°	3078.1	2320.5	821.3	796.9	806.3	805.4	794.1	779.1	780.1	790.4	790.4
65°	1597.6	1255.4	721.0	740.7	754.8	749.1	730.4	717.3	715.4	728.5	725.7
67.5°	689.1	685.4	656.3	681.6	696.6	684.4	664.7	643.2	645.1	649.7	646.0
70°	555.1	571.9	584.1	611.3	623.5	601.0	579.4	567.2	556.9	556.0	549.4
72.5°	443.5	466.9	494.1	522.2	526.0	503.5	476.3	465.0	449.1	448.2	441.6
75°	333.8	353.5	375.0	397.5	397.5	376.0	358.2	352.5	333.8	328.2	322.5
77.5°	227.8	240.0	256.9	262.5	268.1	259.7	241.9	232.5	211.0	205.3	197.8
80°	143.5	151.9	162.2	166.0	171.6	161.3	147.2	136.9	121.9	117.2	113.4
82.5°	86.3	91.9	98.4	100.3	105.0	97.5	84.4	76.9	68.4	64.7	61.9
85°	44.1	46.9	50.6	51.6	50.6	43.1	38.4	34.7	29.1	28.1	26.3
87.5°	11.3	13.1	14.1	13.1	12.2	9.4	6.6	4.7	1.9	1.9	0.9
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)