

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: P642632

Luminaire Tested: GWS-SA6D-730-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32340.3 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

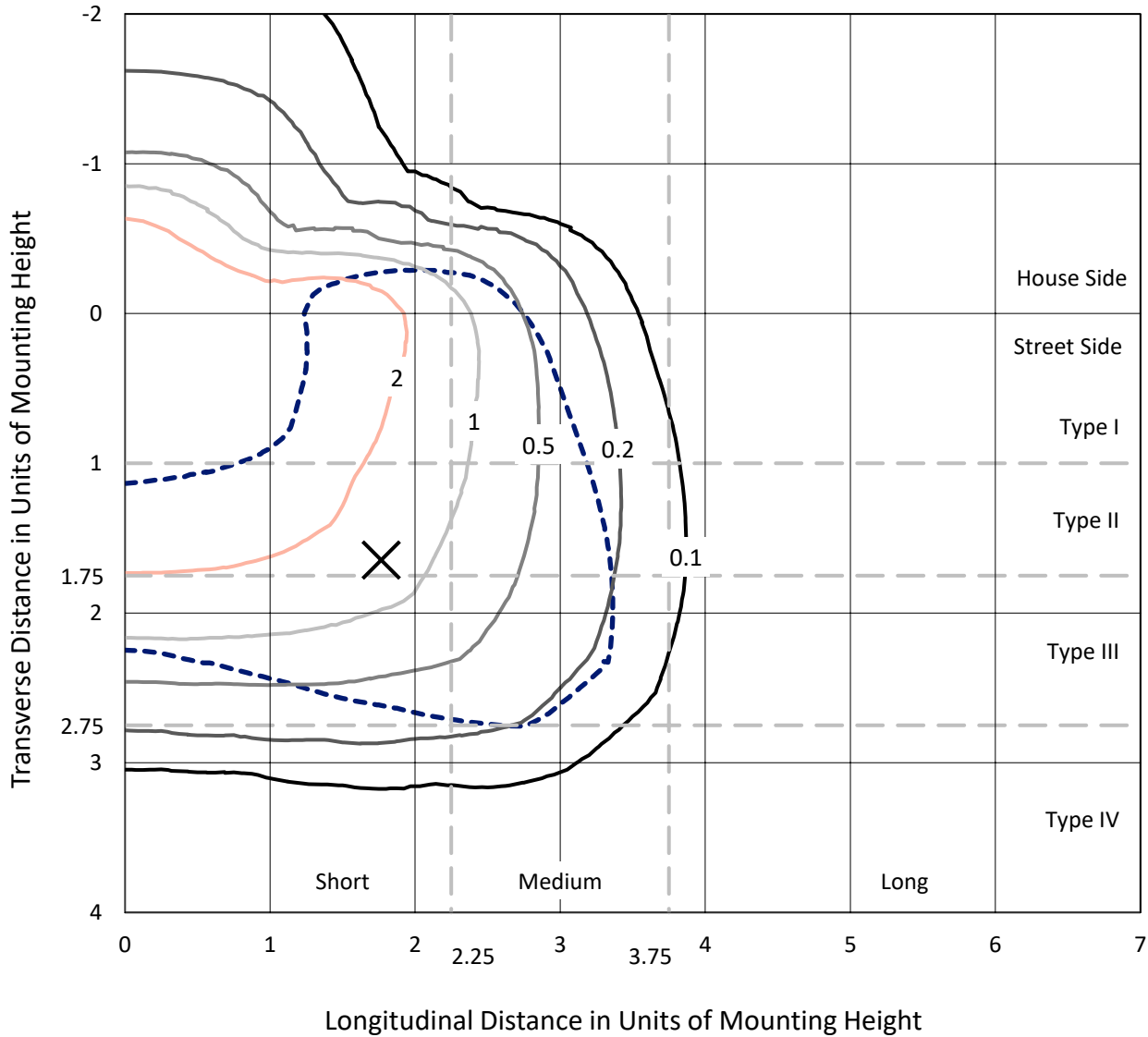
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642632
 CATALOG NUMBER: GWS-SA6D-730-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

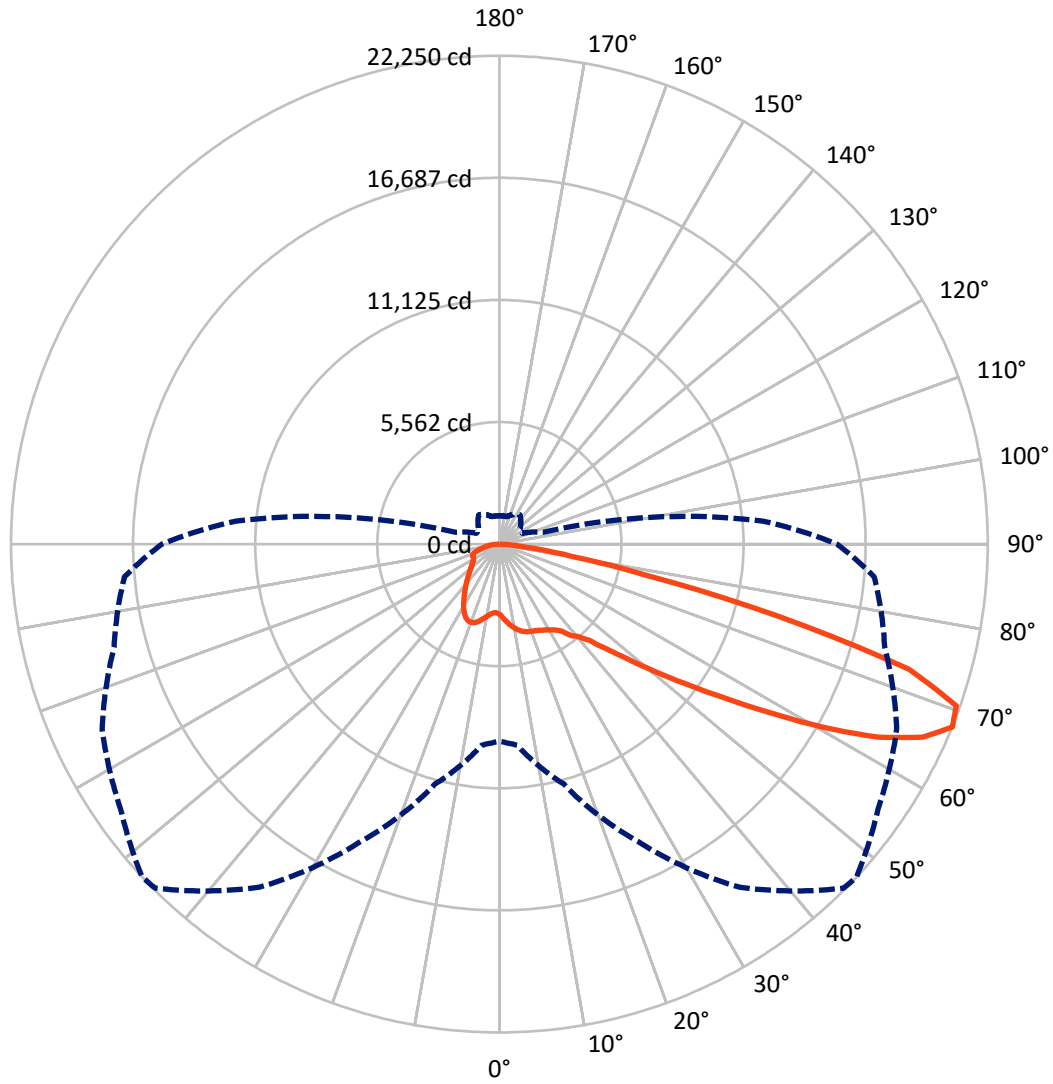
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

REPORT NUMBER: P642632
CATALOG NUMBER: GWS-SA6D-730-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642632

CATALOG NUMBER: GWS-SA6D-730-U-T4W-W

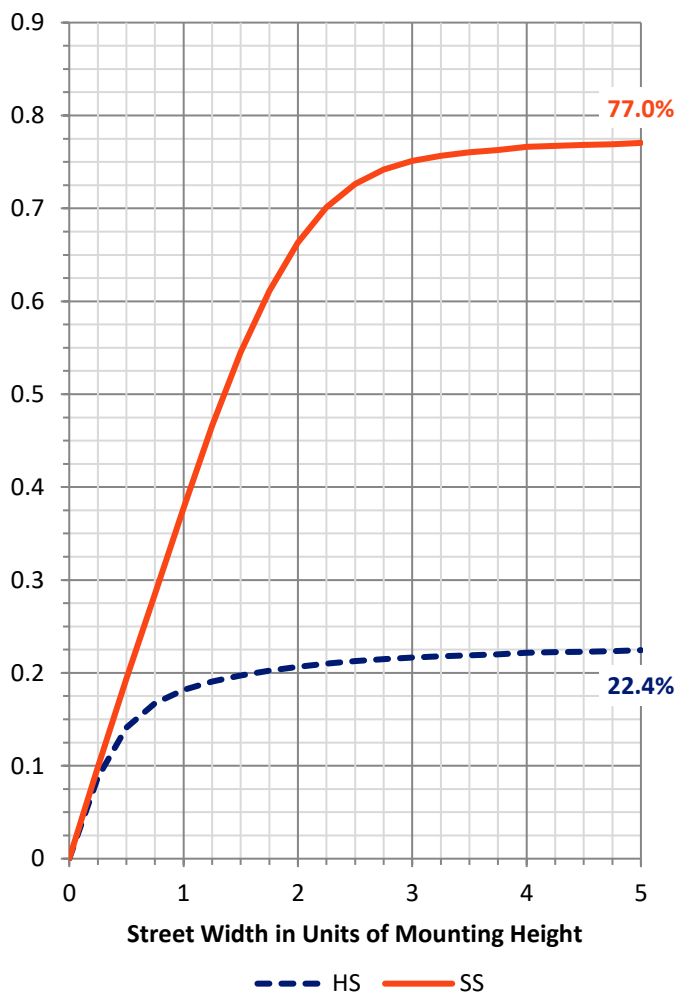
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7370.6	0.0	7370.6
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	24969.7	0.0	24969.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	32340.3	0.0	32340.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	1.0
10°-20°	1091.6	3.4
20°-30°	1855.5	5.7
30°-40°	2718.0	8.4
40°-50°	4141.3	12.8
50°-60°	7409.6	22.9
60°-70°	9887.3	30.6
70°-80°	4471.3	13.8
80°-90°	438.1	1.4
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°	32340.3	100.0
0°-180°	32340.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642632

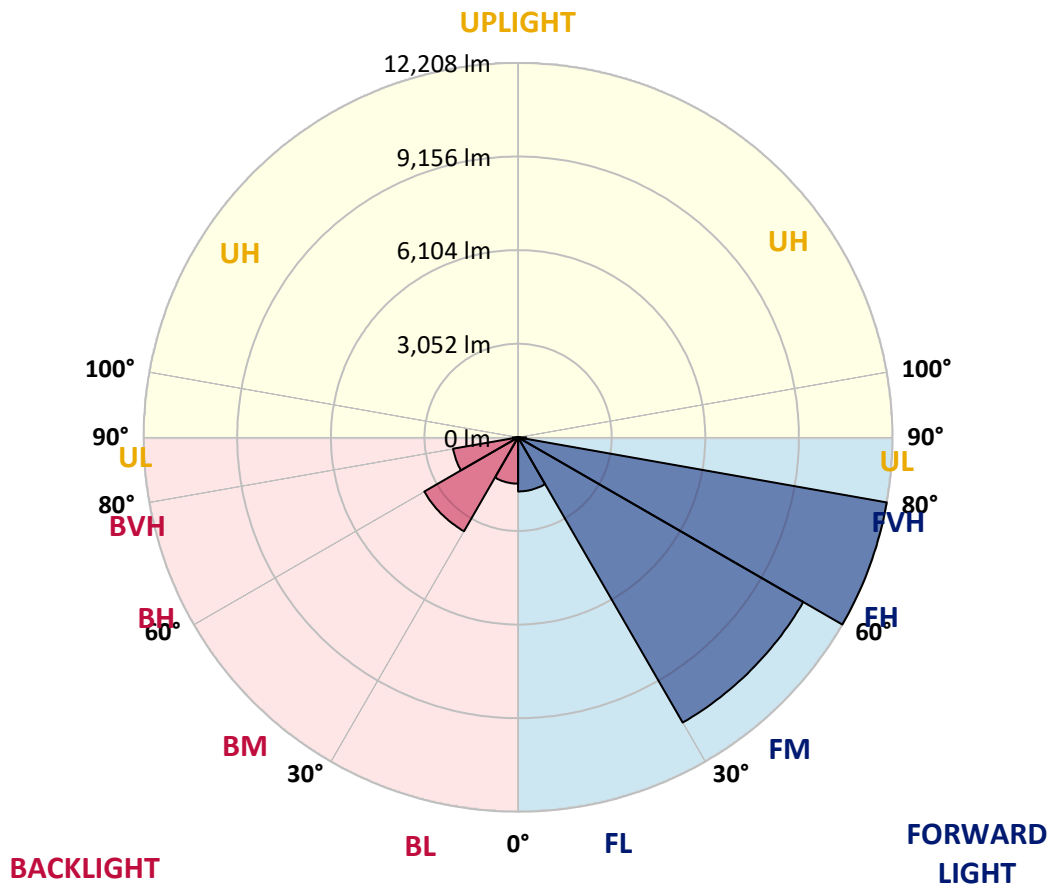
CATALOG NUMBER: GWS-SA6D-730-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.7	5.5			
FM (30°-60°)	10737.3	33.2			
FH (60°-80°)	12208.1	37.7			G5
FVH (80°-90°)	260.6	0.8			G3/500
BL (0°-30°)	1511.0	4.7	B3/2500		
BM (30°-60°)	3531.6	10.9	B3/5000		
BH (60°-80°)	2150.5	6.6	B3/2500		G3/2500
BVH (80°-90°)	177.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





REPORT NUMBER: P642632
 CATALOG NUMBER: GWS-SA6D-730-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9
2.5°	3418.7	3430.4	3428.1	3409.4	3397.7	3376.7	3379.0	3346.3	3297.1	3264.4	3227.0
5°	3720.4	3739.1	3715.7	3685.3	3638.6	3570.7	3563.7	3488.9	3395.4	3329.9	3262.1
7.5°	3982.3	3994.0	3965.9	3914.5	3846.7	3755.5	3739.1	3650.2	3533.3	3430.4	3332.2
10°	4185.7	4199.8	4162.4	4094.5	4005.7	3914.5	3902.8	3811.6	3687.7	3566.1	3442.1
12.5°	4358.8	4363.5	4323.7	4232.5	4136.6	4043.1	4031.4	3947.2	3832.6	3708.7	3573.1
15°	4459.3	4461.7	4412.6	4312.0	4220.8	4139.0	4132.0	4059.5	3954.2	3837.3	3692.3
17.5°	4452.3	4457.0	4421.9	4333.1	4253.6	4204.4	4197.4	4150.7	4068.8	3963.6	3818.6
20°	4365.8	4370.5	4347.1	4288.6	4246.5	4232.5	4234.8	4220.8	4171.7	4085.2	3937.9
22.5°	4298.0	4305.0	4283.9	4241.9	4237.2	4269.9	4276.9	4283.9	4260.6	4183.4	4040.8
25°	4330.7	4342.4	4309.7	4251.2	4260.6	4333.1	4347.1	4370.5	4351.8	4286.3	4162.4
27.5°	4557.5	4564.6	4480.4	4361.1	4333.1	4410.2	4431.3	4468.7	4454.7	4393.9	4298.0
30°	5083.7	5079.0	4898.9	4606.6	4489.7	4520.1	4536.5	4590.3	4595.0	4555.2	4464.0
32.5°	5825.0	5801.6	5523.3	5058.0	4718.9	4644.1	4662.8	4735.3	4789.0	4747.0	4623.0
35°	6608.3	6587.3	6280.9	5736.1	5142.1	4882.6	4861.5	4917.7	4999.5	4882.6	4704.9
37.5°	7354.3	7321.5	7008.2	6334.7	5663.6	5301.2	5270.8	5214.6	5165.5	4941.0	4805.4
40°	8182.1	8144.6	7871.1	7108.7	6238.9	5621.5	5544.3	5322.2	5277.8	5135.1	5067.3
42.5°	9066.0	9066.0	8839.2	8088.5	6933.4	6079.8	5979.3	5644.9	5691.7	5598.1	5518.6
45°	9949.9	9975.6	9795.6	9075.3	7861.7	6945.0	6783.7	6309.0	6421.2	6379.2	6339.4
47.5°	10702.9	10752.0	10716.9	10083.2	8998.2	7997.3	7751.8	7258.4	7499.3	7599.8	7712.0
50°	11514.3	11568.1	11533.0	11282.8	10328.7	9271.8	9051.9	8542.2	8956.1	9257.7	9624.9
52.5°	12718.6	12795.7	12503.4	12407.6	11944.6	10719.2	10522.8	9942.9	10693.5	11193.9	12012.4
55°	13735.8	13733.4	13630.5	13850.3	13679.6	12489.4	12271.9	11745.8	12704.5	13235.3	14432.6
57.5°	14208.1	14264.2	14617.3	15239.4	15580.8	14652.4	14444.3	13906.5	14862.9	15138.8	16431.9
60°	14451.3	14521.5	15204.3	16434.3	17353.3	17014.2	16932.4	16247.2	16785.0	16752.3	18117.9
62.5°	14109.9	14250.2	15346.9	16981.5	18618.3	19387.7	19362.0	18326.0	18419.6	18099.2	19163.2
65°	12543.2	12695.2	14416.2	16707.9	19340.9	21192.9	21199.9	20208.5	19675.3	18754.0	18987.8
67.5°	8970.1	9187.6	11315.5	14949.4	19086.0	22168.0	22249.9	21062.0	19969.9	18174.0	17145.2
70°	4889.6	5048.6	6715.9	10866.5	16789.7	21934.2	22086.2	20650.4	18669.8	15721.1	13197.9
72.5°	2221.5	2272.9	3124.1	5962.9	11469.9	18880.2	19516.3	18428.9	15332.9	11612.5	8392.5
75°	1017.2	1040.6	1360.9	2852.8	5993.3	12634.4	13081.0	13726.4	10670.1	7333.2	4375.1
77.5°	638.4	645.4	774.0	1304.8	2988.5	6306.7	6776.7	8172.7	6248.2	3629.2	1828.6
80°	376.5	383.5	481.7	706.2	1403.0	2885.6	3332.2	3231.7	2937.0	1566.7	832.5
82.5°	189.4	196.4	278.3	402.2	764.7	1148.2	1351.6	1358.6	1094.4	848.8	470.0
85°	67.8	70.2	91.2	159.0	325.0	378.8	423.3	516.8	535.5	493.4	226.8
87.5°	0.0	0.0	2.3	4.7	9.4	37.4	39.8	74.8	156.7	175.4	91.2
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: P642632
 CATALOG NUMBER: GWS-SA6D-730-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9
2.5°	3215.3	3180.2	3168.5	3156.8	3138.1	3131.1	3117.1	3103.1	3103.1	3089.0	3082.0
5°	3231.7	3184.9	3154.5	3140.5	3128.8	3135.8	3135.8	3140.5	3156.8	3147.5	3152.2
7.5°	3290.1	3236.3	3194.3	3182.6	3182.6	3210.6	3229.3	3252.7	3283.1	3287.8	3287.8
10°	3393.0	3329.9	3285.5	3278.4	3290.1	3329.9	3357.9	3386.0	3423.4	3425.8	3430.4
12.5°	3505.3	3442.1	3397.7	3407.0	3418.7	3470.2	3500.6	3524.0	3561.4	3561.4	3559.0
15°	3622.2	3552.0	3514.6	3533.3	3568.4	3626.9	3631.5	3633.9	3652.6	3647.9	3645.6
17.5°	3743.8	3669.0	3640.9	3669.0	3706.4	3734.4	3711.0	3678.3	3671.3	3661.9	3657.3
20°	3863.0	3785.9	3774.2	3795.2	3806.9	3783.5	3711.0	3650.2	3622.2	3608.2	3603.5
22.5°	3965.9	3900.5	3893.4	3893.4	3835.0	3753.1	3645.6	3563.7	3526.3	3507.6	3502.9
25°	4087.5	4026.7	4015.0	3951.9	3802.2	3652.6	3507.6	3432.8	3402.4	3393.0	3395.4
27.5°	4230.2	4188.1	4150.7	3970.6	3708.7	3474.9	3311.2	3278.4	3266.7	3278.4	3285.5
30°	4405.5	4363.5	4279.3	3947.2	3559.0	3243.4	3086.7	3084.4	3119.4	3149.8	3154.5
32.5°	4548.2	4529.5	4391.5	3872.4	3348.6	2988.5	2855.2	2864.5	2927.7	2969.8	2976.8
35°	4660.4	4690.8	4485.1	3748.5	3098.4	2747.6	2642.4	2647.1	2682.1	2740.6	2742.9
37.5°	4819.4	4922.3	4569.2	3559.0	2810.8	2539.5	2443.6	2408.6	2403.9	2420.2	2424.9
40°	5139.8	5294.1	4630.0	3283.1	2532.5	2352.4	2244.9	2177.1	2118.6	2074.2	2060.1
42.5°	5623.9	5801.6	4665.1	2948.7	2284.6	2167.7	2046.1	1959.6	1856.7	1763.2	1730.4
45°	6512.4	6570.9	4665.1	2593.3	2064.8	1994.7	1873.1	1770.2	1639.2	1529.3	1505.9
47.5°	7934.2	7747.1	4669.8	2249.5	1870.7	1842.7	1737.4	1620.5	1475.5	1384.3	1370.3
50°	10076.2	9419.1	4765.7	1964.3	1709.4	1714.0	1636.9	1508.3	1377.3	1309.5	1297.8
52.5°	12503.4	11479.2	5022.9	1753.8	1573.7	1608.8	1566.7	1442.8	1325.9	1267.4	1255.7
55°	14785.7	13373.3	5242.7	1604.1	1459.2	1520.0	1517.6	1403.0	1297.8	1239.4	1232.3
57.5°	16726.6	14671.1	5210.0	1482.5	1360.9	1438.1	1473.2	1377.3	1279.1	1230.0	1223.0
60°	17933.2	15358.6	4744.6	1370.3	1286.1	1379.7	1447.5	1370.3	1288.5	1276.8	1279.1
62.5°	18457.0	15232.3	3851.3	1286.1	1237.0	1351.6	1475.5	1419.4	1375.0	1403.0	1419.4
65°	17643.2	14147.3	2834.1	1223.0	1190.2	1358.6	1541.0	1496.6	1375.0	1393.7	1400.7
67.5°	15384.3	12042.8	2048.4	1159.8	1131.8	1379.7	1634.5	1484.9	1295.5	1295.5	1281.4
70°	11086.4	8661.4	1487.2	1096.7	1073.3	1349.3	1639.2	1405.4	1204.3	1197.3	1162.2
72.5°	6671.5	5109.4	1159.8	1026.6	984.5	1197.3	1536.3	1311.8	1115.4	1057.0	1014.9
75°	3465.5	2560.5	972.8	949.4	844.2	1014.9	1405.4	1166.9	954.1	902.6	879.2
77.5°	1484.9	1197.3	834.8	846.5	701.5	853.5	1134.1	1010.2	846.5	781.0	760.0
80°	731.9	680.5	659.4	678.1	561.2	659.4	977.5	883.9	717.9	643.1	612.7
82.5°	418.6	397.5	474.7	481.7	399.9	551.9	825.5	748.3	594.0	512.1	463.0
85°	194.1	208.1	287.6	290.0	247.9	378.8	540.2	420.9	315.7	261.9	250.2
87.5°	77.2	91.2	126.3	123.9	72.5	70.2	46.8	25.7	21.0	18.7	16.4
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)