

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: P637829

Luminaire Tested: GWS-SA4D-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4D-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20884.8 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

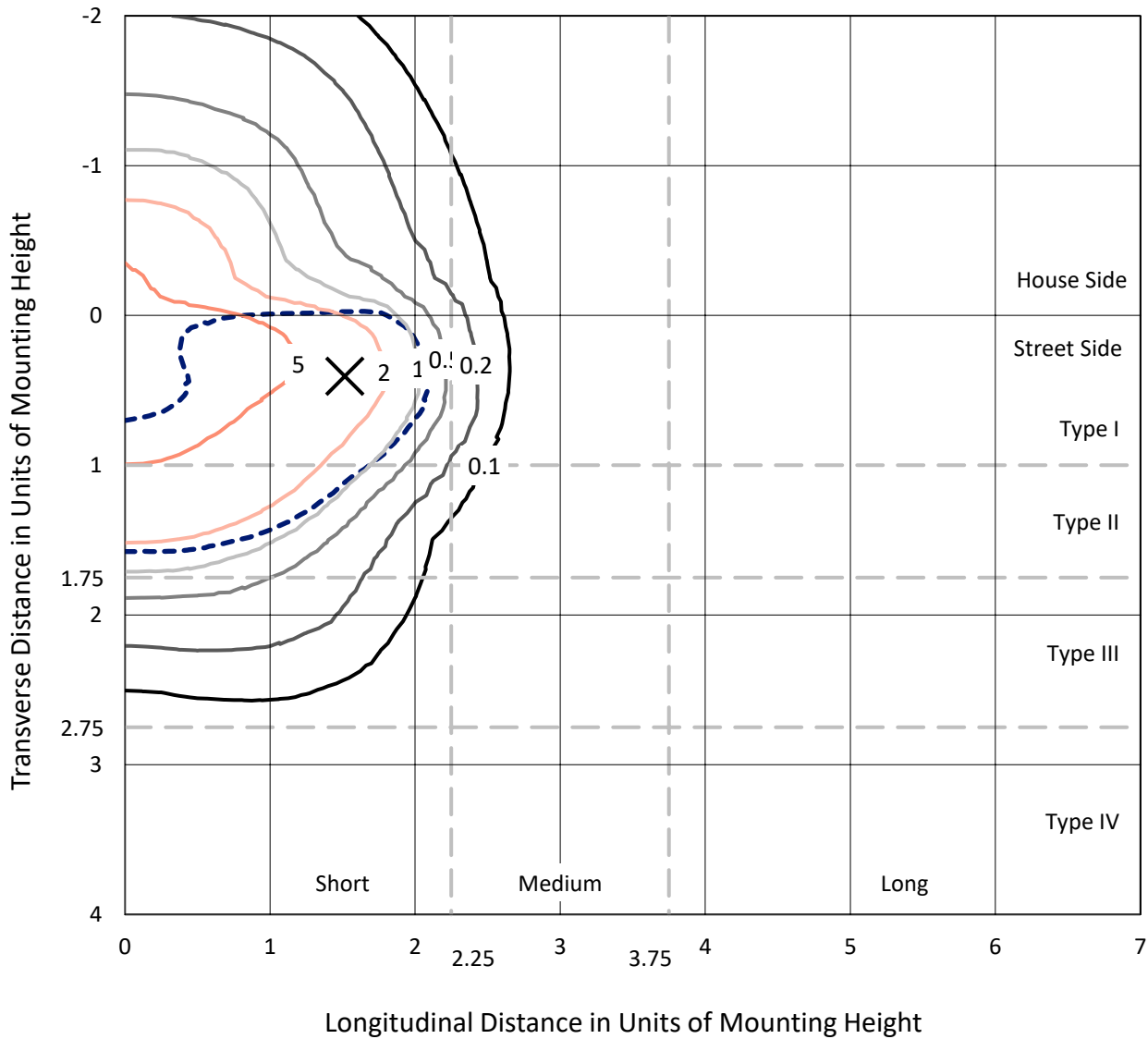
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637829
 CATALOG NUMBER: GWS-SA4D-750-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

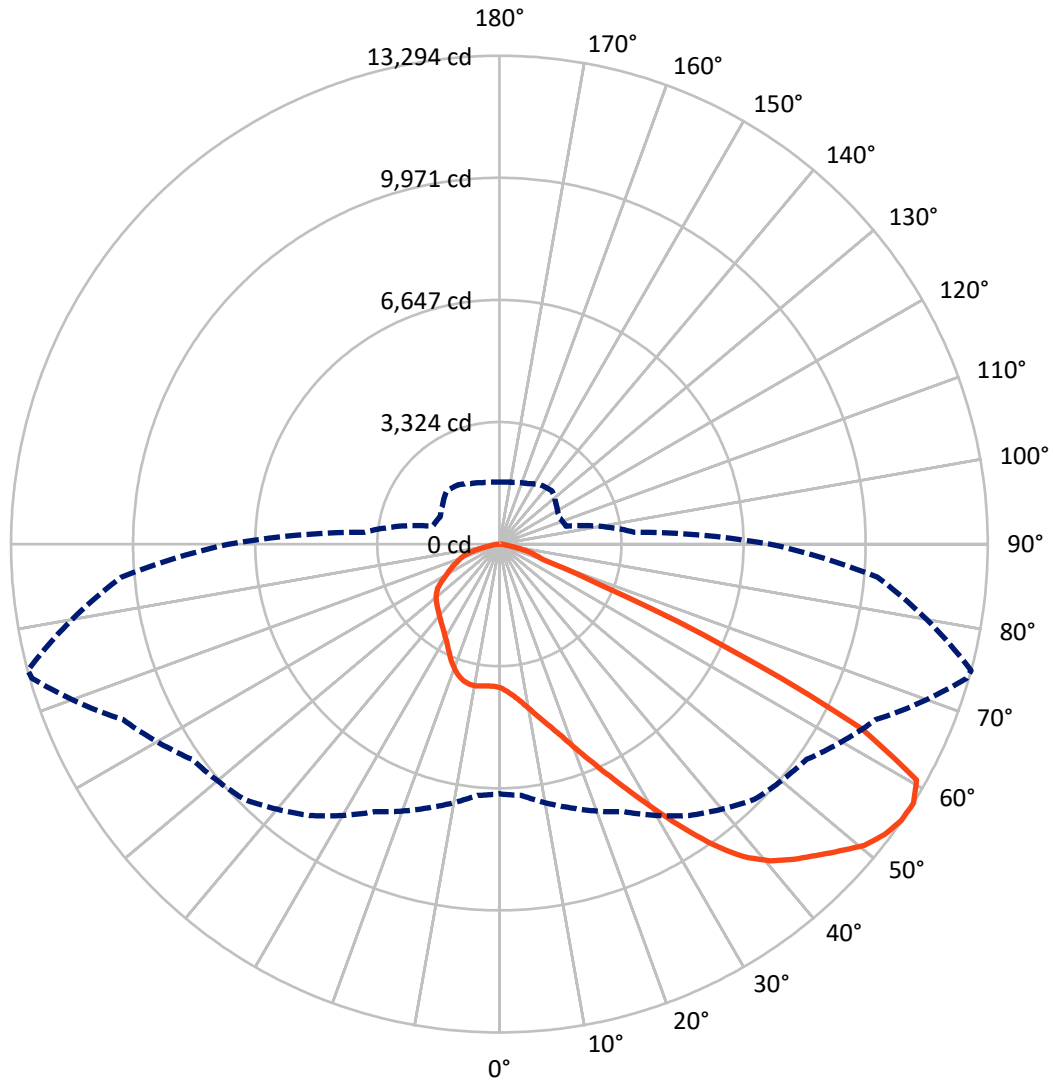
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

REPORT NUMBER: P637829
CATALOG NUMBER: GWS-SA4D-750-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637829
 CATALOG NUMBER: GWS-SA4D-750-U-T2-W-GRSWH

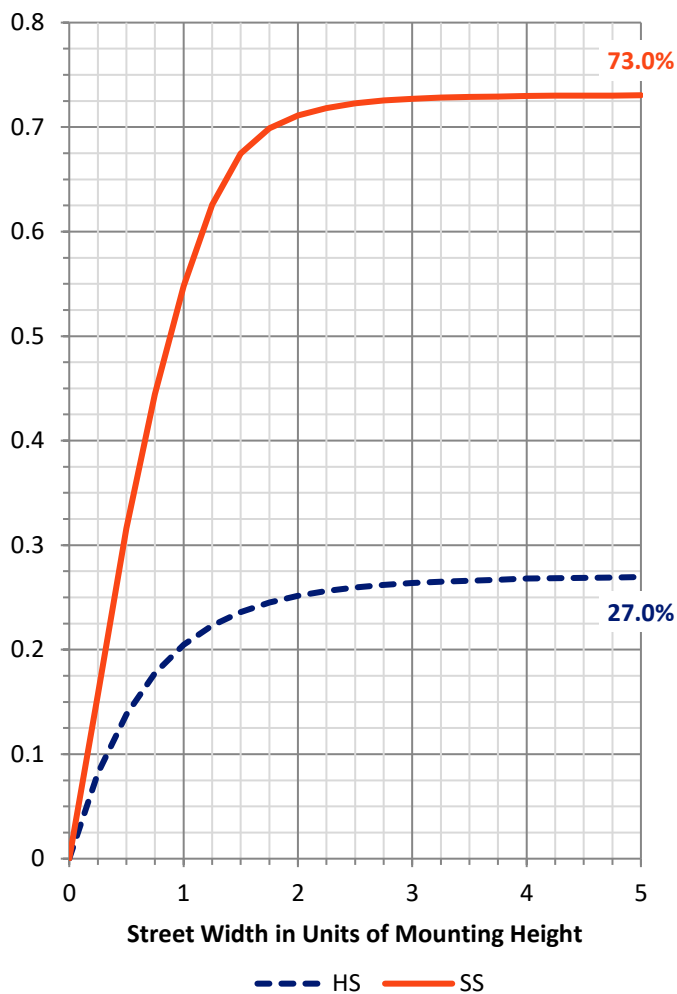
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5649.8	0.0	5649.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	15235.1	0.0	15235.1
	% Fixture	72.9	0.0	72.9
Total	Lumens	20884.8	0.0	20884.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.4	1.9
10°-20°	1246.1	6.0
20°-30°	2210.0	10.6
30°-40°	3383.1	16.2
40°-50°	4710.6	22.6
50°-60°	5397.5	25.8
60°-70°	2773.3	13.3
70°-80°	698.2	3.3
80°-90°	74.6	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°	20884.8	100.0
0°-180°	20884.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637829

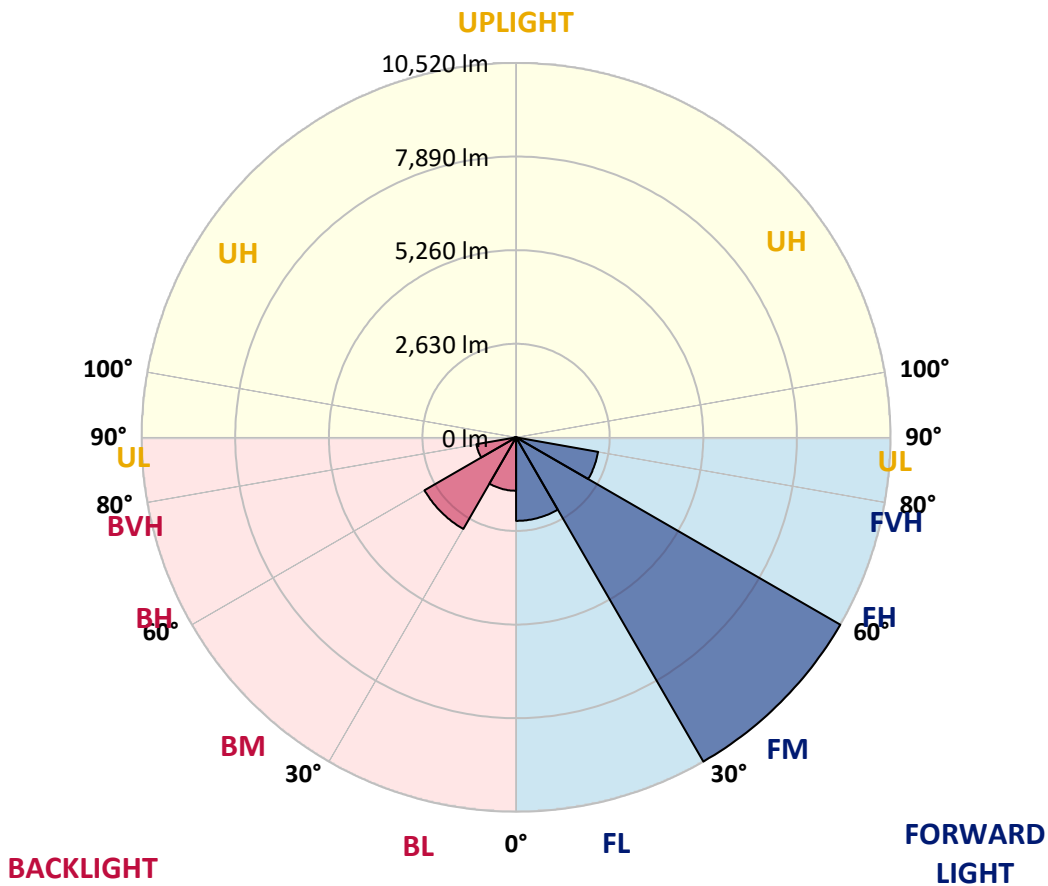
CATALOG NUMBER: GWS-SA4D-750-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2346.5	11.2			
FM (30°-60°)	10519.9	50.4			
FH (60°-80°)	2341.0	11.2			G2/5000
FVH (80°-90°)	27.6	0.1			G1/100
BL (0°-30°)	1500.9	7.2	B3/2500		
BM (30°-60°)	2971.3	14.2	B3/5000		
BH (60°-80°)	1130.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	47.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P637829

CATALOG NUMBER: GWS-SA4D-750-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2
2.5°	4202.1	4212.9	4202.1	4220.1	4184.2	4168.0	4128.5	4069.3	4022.6	4015.4	3963.3
5°	4529.0	4552.3	4538.0	4530.8	4482.3	4446.4	4387.1	4268.6	4171.6	4157.2	4054.9
7.5°	4739.1	4755.2	4755.2	4760.6	4742.7	4701.4	4638.5	4498.4	4362.0	4340.4	4186.0
10°	4809.1	4821.7	4845.0	4889.9	4925.8	4938.4	4897.1	4762.4	4595.4	4573.9	4358.4
12.5°	4825.3	4839.6	4875.6	4958.2	5056.9	5146.7	5153.9	5055.1	4868.4	4845.0	4557.7
15°	4855.8	4870.2	4918.7	5021.0	5166.5	5338.9	5444.8	5376.6	5170.1	5144.9	4784.0
17.5°	4852.2	4868.4	4940.2	5076.7	5272.4	5522.0	5726.8	5755.5	5541.8	5498.7	5040.8
20°	4843.2	4857.6	4934.8	5101.8	5344.3	5687.3	6057.2	6206.2	5976.4	5936.9	5340.7
22.5°	4915.1	4931.2	4990.5	5128.8	5382.0	5814.8	6362.5	6721.6	6491.8	6436.1	5685.5
25°	5076.7	5100.0	5135.9	5231.1	5450.2	5927.9	6674.9	7305.3	7070.0	7003.6	6060.8
27.5°	5326.3	5355.0	5405.3	5450.2	5602.9	6071.6	6985.6	7958.9	7723.7	7653.6	6457.6
30°	5631.6	5669.3	5733.9	5764.5	5868.6	6283.5	7323.2	8632.3	8495.9	8398.9	6904.8
32.5°	6053.6	6105.7	6166.7	6175.7	6238.6	6604.9	7657.2	9300.4	9298.6	9230.3	7413.0
35°	6603.1	6658.8	6671.3	6683.9	6714.4	7046.7	8061.3	9909.1	10144.4	10065.4	7966.1
37.5°	7202.9	7283.7	7303.5	7247.8	7290.9	7578.2	8515.6	10397.6	10880.7	10796.3	8501.3
40°	7844.0	7876.3	7930.2	7842.2	7896.1	8187.0	8961.0	10710.1	11430.2	11340.4	8923.3
42.5°	8303.7	8363.0	8443.8	8411.5	8442.0	8707.8	9273.4	10860.9	11821.7	11731.9	9226.7
45°	8802.9	8820.9	8873.0	8865.8	8883.8	9131.6	9497.9	10927.4	12171.8	12091.0	9485.3
47.5°	9237.5	9264.5	9298.6	9259.1	9219.6	9381.2	9681.1	10984.8	12575.9	12478.9	9756.5
50°	9655.9	9679.3	9720.6	9605.7	9458.4	9499.7	9770.9	11063.8	12954.8	12886.6	9970.2
52.5°	9733.2	9758.3	9952.2	9975.6	9787.0	9641.6	9928.9	11238.0	13177.5	13134.4	10047.4
55°	8761.6	8806.5	9192.6	9636.2	10101.3	10054.6	10182.1	11329.6	13265.5	13276.2	10185.7
57.5°	6800.6	6865.3	7429.2	8037.9	9016.6	9826.5	10214.4	11306.3	13234.9	13294.2	10327.6
60°	4460.7	4498.4	5166.5	5848.9	6863.5	7984.1	9142.3	10886.1	12963.8	13048.2	10291.6
62.5°	2693.7	2736.8	3273.7	3790.9	4388.9	5137.7	6200.8	8749.1	10866.3	11054.9	8242.7
65°	1880.2	1937.7	2408.1	2833.8	3040.3	2885.8	3140.8	4886.3	6770.1	6849.1	5037.2
67.5°	1363.0	1402.5	1788.6	2295.0	2523.1	2038.2	1553.4	2163.9	2948.7	2977.4	2077.7
70°	892.5	937.4	1287.6	1747.3	2059.8	1652.1	1161.9	1170.9	1240.9	1255.3	1206.8
72.5°	490.2	517.2	795.5	1160.1	1217.5	987.7	906.9	973.3	1021.8	1021.8	1034.4
75°	253.2	276.6	325.0	382.5	461.5	540.5	653.7	752.4	804.5	808.1	802.7
77.5°	129.3	138.3	174.2	188.6	206.5	240.6	312.5	400.5	447.2	465.1	461.5
80°	61.1	64.6	73.6	86.2	106.0	134.7	168.8	201.1	229.9	233.5	253.2
82.5°	32.3	35.9	39.5	46.7	57.5	71.8	98.8	118.5	136.5	140.1	156.2
85°	12.6	14.4	16.2	18.0	25.1	30.5	41.3	55.7	68.2	68.2	80.8
87.5°	0.0	0.0	0.0	0.0	1.8	3.6	7.2	9.0	12.6	12.6	21.5
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: P637829

CATALOG NUMBER: GWS-SA4D-750-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2	3911.2
2.5°	3950.7	3898.7	3875.3	3837.6	3807.1	3772.9	3746.0	3726.3	3713.7	3706.5	3699.3
5°	4015.4	3936.4	3873.5	3798.1	3746.0	3695.7	3654.4	3625.7	3611.3	3600.6	3593.4
7.5°	4115.9	4010.0	3891.5	3774.7	3683.2	3602.3	3550.3	3519.7	3500.0	3492.8	3487.4
10°	4254.2	4107.0	3911.2	3726.3	3589.8	3501.8	3465.9	3451.5	3453.3	3449.7	3447.9
12.5°	4410.5	4209.3	3905.8	3640.1	3489.2	3437.1	3438.9	3462.3	3489.2	3496.4	3498.2
15°	4579.3	4309.9	3853.8	3528.7	3410.2	3415.6	3462.3	3517.9	3568.2	3588.0	3591.6
17.5°	4762.4	4394.3	3758.6	3406.6	3345.5	3403.0	3489.2	3580.8	3654.4	3686.7	3695.7
20°	4967.1	4466.1	3623.9	3286.3	3284.5	3379.7	3505.4	3625.7	3719.1	3762.2	3769.4
22.5°	5184.4	4511.0	3458.7	3174.9	3221.6	3349.1	3492.8	3618.5	3717.3	3760.4	3769.4
25°	5403.5	4525.4	3277.3	3072.6	3157.0	3300.7	3431.7	3532.3	3625.7	3663.4	3670.6
27.5°	5608.2	4484.1	3104.9	2984.6	3097.7	3228.8	3316.8	3370.7	3435.3	3464.1	3469.5
30°	5816.6	4401.5	2959.5	2914.6	3031.3	3130.1	3169.6	3173.2	3198.3	3198.3	3201.9
32.5°	6026.7	4279.4	2832.0	2846.3	2948.7	3013.3	3018.7	2977.4	2946.9	2896.6	2894.8
35°	6269.1	4155.4	2727.8	2769.1	2851.7	2891.2	2875.1	2796.0	2722.4	2639.8	2636.2
37.5°	6493.6	4027.9	2639.8	2690.1	2742.2	2770.9	2733.2	2638.0	2577.0	2492.6	2480.0
40°	6678.5	3913.0	2555.4	2607.5	2632.6	2657.8	2596.7	2519.5	2528.5	2481.8	2480.0
42.5°	6786.3	3801.7	2476.4	2515.9	2532.1	2550.0	2496.1	2438.7	2487.2	2451.2	2453.0
45°	6865.3	3704.7	2404.6	2418.9	2458.4	2485.4	2435.1	2370.4	2381.2	2242.9	2210.6
47.5°	6955.1	3650.8	2336.3	2322.0	2392.0	2438.7	2361.5	2268.1	2203.4	2066.9	2054.4
50°	7050.3	3631.1	2264.5	2225.0	2309.4	2354.3	2264.5	2147.8	2063.4	1989.7	1982.5
52.5°	7082.6	3629.3	2174.7	2108.3	2192.7	2255.5	2180.1	2061.6	1961.0	1889.2	1885.6
55°	7210.1	3681.4	2059.8	1948.4	2027.4	2156.7	2101.1	1930.5	1849.7	1817.3	1813.7
57.5°	7359.1	3690.3	1878.4	1774.2	1883.8	2036.4	1966.4	1819.1	1731.1	1691.6	1688.0
60°	7298.1	3469.5	1684.4	1641.3	1761.7	1923.3	1858.6	1731.1	1628.8	1591.1	1587.5
62.5°	5561.5	2449.5	1542.6	1526.4	1630.6	1759.9	1747.3	1614.4	1517.4	1490.5	1486.9
65°	3345.5	1720.4	1406.1	1404.3	1477.9	1601.8	1618.0	1510.3	1407.9	1370.2	1370.2
67.5°	1653.9	1316.3	1251.7	1242.7	1289.4	1377.4	1445.6	1357.6	1271.4	1235.5	1230.1
70°	1169.1	1160.1	1138.5	1113.4	1122.4	1158.3	1187.0	1113.4	1021.8	985.9	978.7
72.5°	1011.0	1012.8	998.5	978.7	971.5	946.4	921.2	867.4	811.7	774.0	777.6
75°	784.8	788.4	797.3	790.1	770.4	743.5	716.5	648.3	603.4	567.5	560.3
77.5°	457.9	475.9	504.6	497.4	501.0	463.3	452.5	386.1	344.8	319.6	314.3
80°	258.6	269.4	281.9	290.9	280.1	264.0	240.6	204.7	192.1	174.2	170.6
82.5°	156.2	167.0	172.4	179.6	176.0	154.4	136.5	113.1	102.4	93.4	91.6
85°	79.0	86.2	91.6	95.2	84.4	70.0	62.9	50.3	43.1	37.7	37.7
87.5°	19.8	21.5	25.1	21.5	19.8	9.0	7.2	1.8	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)