

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: P639864

Luminaire Tested: GWS-SA5C-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639864
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-SA5C-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20029.6 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

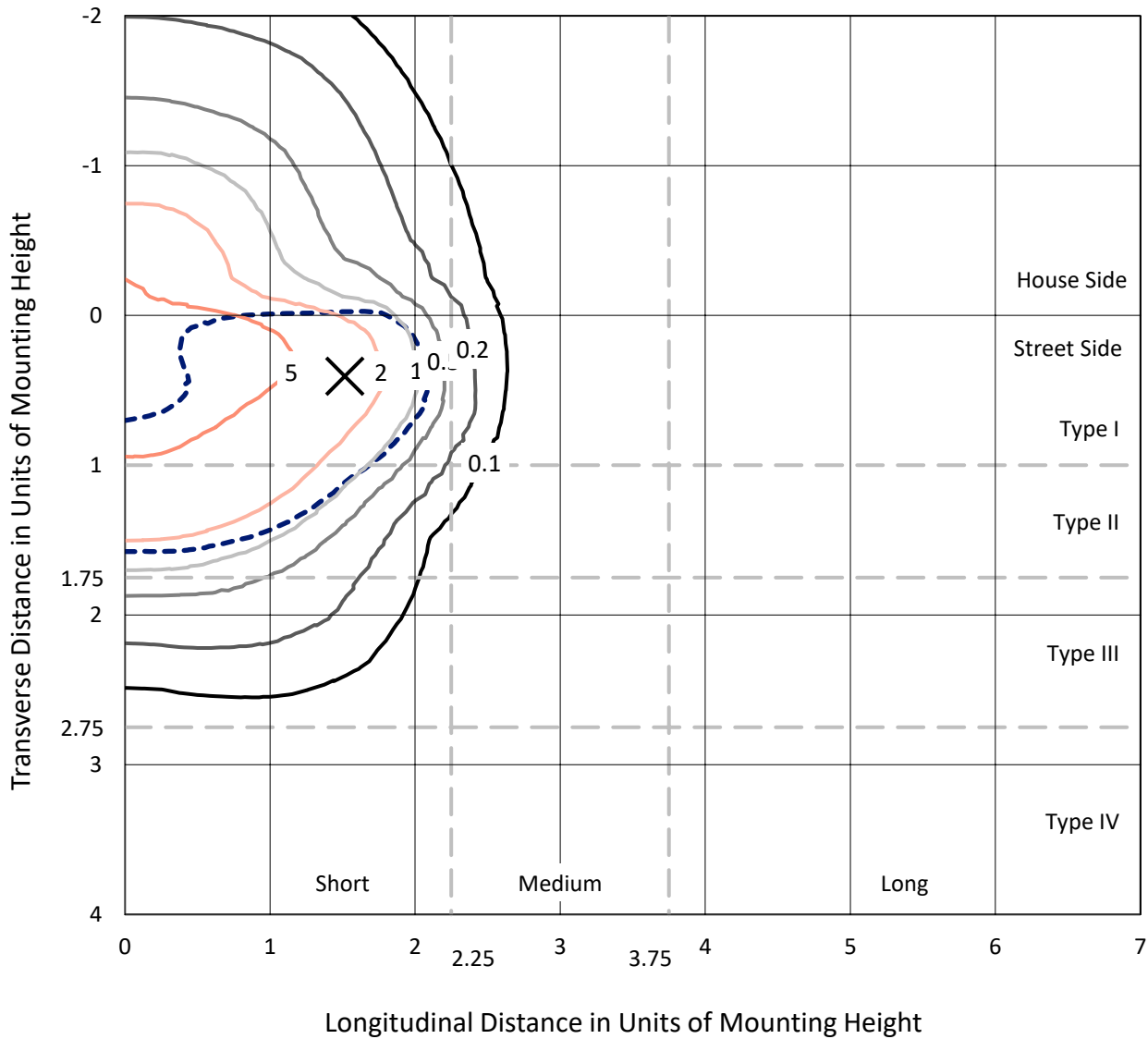
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639864
 CATALOG NUMBER: GWS-SA5C-760-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

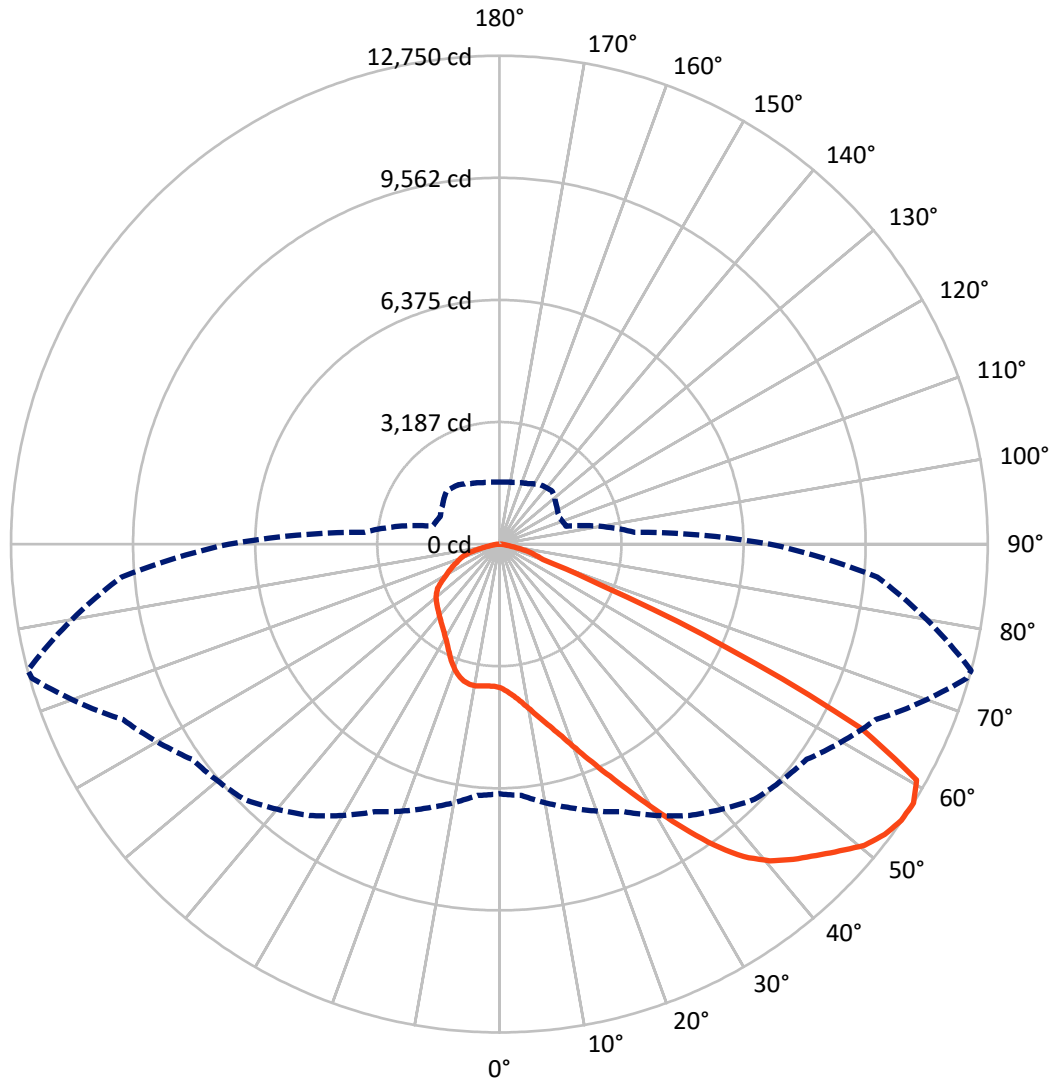
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

REPORT NUMBER: P639864
CATALOG NUMBER: GWS-SA5C-760-U-T2-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639864

CATALOG NUMBER: GWS-SA5C-760-U-T2-W-GRSWH

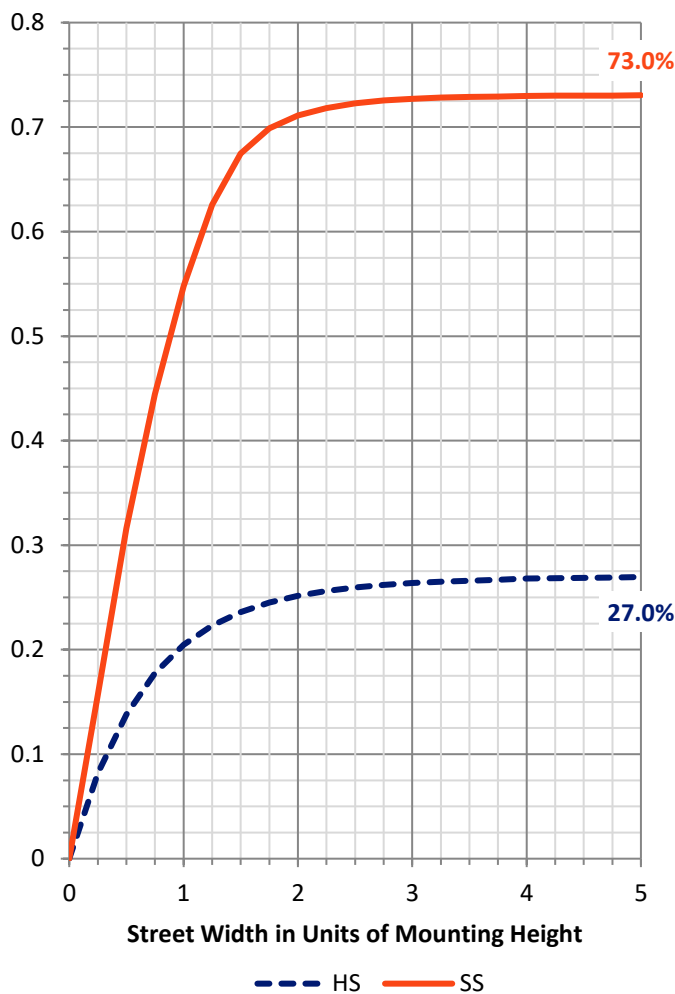
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5418.4	0.0	5418.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	14611.2	0.0	14611.2
	% Fixture	72.9	0.0	72.9
Total	Lumens	20029.6	0.0	20029.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.4	1.9
10°-20°	1195.1	6.0
20°-30°	2119.5	10.6
30°-40°	3244.5	16.2
40°-50°	4517.7	22.6
50°-60°	5176.5	25.8
60°-70°	2659.8	13.3
70°-80°	669.6	3.3
80°-90°	71.6	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°	20029.6	100.0
0°-180°	20029.6	100.0

Coefficient of Utilization



REPORT NUMBER: P639864

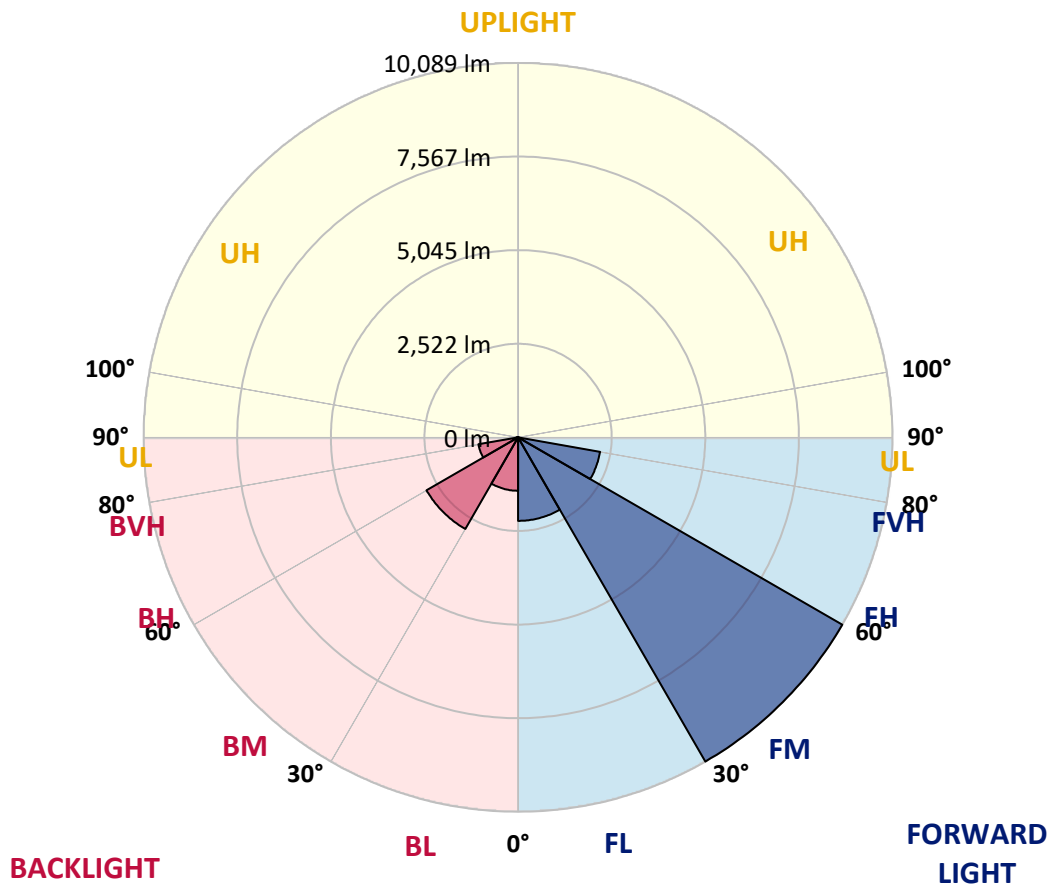
CATALOG NUMBER: GWS-SA5C-760-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.4	11.2			
FM (30°-60°)	10089.1	50.4			
FH (60°-80°)	2245.1	11.2			G2/5000
FVH (80°-90°)	26.5	0.1			G1/100
BL (0°-30°)	1439.5	7.2	B3/2500		
BM (30°-60°)	2849.6	14.2	B3/5000		
BH (60°-80°)	1084.3	5.4	B3/2500		G3/2500
BVH (80°-90°)	45.1	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: P639864

CATALOG NUMBER: GWS-SA5C-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1
2.5°	4030.1	4040.4	4030.1	4047.3	4012.8	3997.3	3959.5	3902.6	3857.8	3851.0	3801.0
5°	4343.5	4365.9	4352.1	4345.2	4298.7	4264.3	4207.5	4093.8	4000.8	3987.0	3888.8
7.5°	4545.0	4560.5	4560.5	4565.7	4548.5	4508.9	4448.6	4314.2	4183.3	4162.7	4014.6
10°	4612.2	4624.2	4646.6	4689.7	4724.1	4736.2	4696.6	4567.4	4407.2	4386.6	4179.9
12.5°	4627.7	4641.5	4675.9	4755.1	4849.9	4936.0	4942.9	4848.1	4669.0	4646.6	4371.1
15°	4657.0	4670.7	4717.2	4815.4	4954.9	5120.3	5221.9	5156.4	4958.4	4934.2	4588.1
17.5°	4653.5	4669.0	4737.9	4868.8	5056.5	5295.9	5492.3	5519.8	5314.9	5273.5	4834.4
20°	4644.9	4658.7	4732.7	4892.9	5125.4	5454.4	5809.2	5952.1	5731.7	5693.8	5122.0
22.5°	4713.8	4729.3	4786.1	4918.7	5161.6	5576.6	6101.9	6446.4	6225.9	6172.5	5452.6
25°	4868.8	4891.2	4925.6	5016.9	5227.0	5685.2	6401.6	7006.1	6780.5	6716.8	5812.6
27.5°	5108.2	5135.8	5184.0	5227.0	5373.4	5822.9	6699.6	7633.0	7407.4	7340.2	6193.2
30°	5401.0	5437.1	5499.1	5528.4	5628.3	6026.2	7023.3	8278.9	8148.0	8055.0	6622.1
32.5°	5805.7	5855.7	5914.2	5922.8	5983.1	6334.4	7343.7	8919.5	8917.8	8852.4	7109.5
35°	6332.7	6386.1	6398.2	6410.2	6439.5	6758.1	7731.2	9503.4	9729.0	9653.2	7639.9
37.5°	6907.9	6985.5	7004.4	6951.0	6992.3	7267.9	8166.9	9971.8	10435.1	10354.2	8153.1
40°	7522.8	7553.8	7605.5	7521.1	7572.7	7851.7	8594.0	10271.5	10962.1	10876.0	8557.9
42.5°	7963.7	8020.5	8098.0	8067.0	8096.3	8351.2	8893.7	10416.2	11337.6	11251.5	8848.9
45°	8442.5	8459.7	8509.6	8502.8	8520.0	8757.6	9109.0	10479.9	11673.4	11595.9	9096.9
47.5°	8859.3	8885.1	8917.8	8879.9	8842.0	8997.0	9284.7	10535.0	12060.9	11967.9	9357.0
50°	9260.5	9282.9	9322.5	9212.3	9071.1	9110.7	9370.8	10610.8	12424.3	12358.9	9561.9
52.5°	9334.6	9358.7	9544.7	9567.1	9386.3	9246.8	9522.3	10777.8	12637.9	12596.5	9636.0
55°	8402.9	8445.9	8816.2	9241.6	9687.7	9642.9	9765.2	10865.7	12722.3	12732.6	9768.6
57.5°	6522.2	6584.2	7125.0	7708.8	8647.4	9424.2	9796.2	10843.3	12693.0	12749.8	9904.7
60°	4278.1	4314.2	4954.9	5609.4	6582.4	7657.1	8768.0	10440.3	12432.9	12513.9	9870.2
62.5°	2583.4	2624.7	3139.7	3635.7	4209.2	4927.4	5946.9	8390.8	10421.3	10602.2	7905.1
65°	1803.2	1858.3	2309.5	2717.7	2915.8	2767.7	3012.2	4686.2	6492.9	6568.7	4830.9
67.5°	1307.2	1345.1	1715.4	2201.0	2419.8	1954.8	1489.7	2075.3	2827.9	2855.5	1992.6
70°	856.0	899.0	1234.9	1675.8	1975.4	1584.5	1114.3	1122.9	1190.1	1203.9	1157.4
72.5°	470.2	496.0	763.0	1112.6	1167.7	947.2	869.7	933.5	980.0	980.0	992.0
75°	242.8	265.2	311.7	366.8	442.6	518.4	626.9	721.6	771.6	775.0	769.8
77.5°	124.0	132.6	167.1	180.8	198.1	230.8	299.7	384.1	428.8	446.1	442.6
80°	58.6	62.0	70.6	82.7	101.6	129.2	161.9	192.9	220.4	223.9	242.8
82.5°	31.0	34.4	37.9	44.8	55.1	68.9	94.7	113.7	130.9	134.3	149.8
85°	12.1	13.8	15.5	17.2	24.1	29.3	39.6	53.4	65.4	65.4	77.5
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	6.9	8.6	12.1	12.1	20.7
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: P639864

CATALOG NUMBER: GWS-SA5C-760-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1	3751.1
2.5°	3789.0	3739.0	3716.6	3680.5	3651.2	3618.4	3592.6	3573.7	3561.6	3554.7	3547.8
5°	3851.0	3775.2	3714.9	3642.6	3592.6	3544.4	3504.8	3477.2	3463.4	3453.1	3446.2
7.5°	3947.4	3845.8	3732.1	3620.2	3532.3	3454.8	3404.9	3375.6	3356.7	3349.8	3344.6
10°	4080.0	3938.8	3751.1	3573.7	3442.8	3358.4	3323.9	3310.2	3311.9	3308.4	3306.7
12.5°	4229.8	4037.0	3745.9	3491.0	3346.3	3296.4	3298.1	3320.5	3346.3	3353.2	3354.9
15°	4391.7	4133.4	3696.0	3384.2	3270.6	3275.7	3320.5	3373.9	3422.1	3441.1	3444.5
17.5°	4567.4	4214.3	3604.7	3267.1	3208.6	3263.7	3346.3	3434.2	3504.8	3535.8	3544.4
20°	4763.7	4283.2	3475.5	3151.7	3150.0	3241.3	3361.8	3477.2	3566.8	3608.1	3615.0
22.5°	4972.1	4326.3	3317.1	3044.9	3089.7	3212.0	3349.8	3470.3	3565.1	3606.4	3615.0
25°	5182.3	4340.1	3143.1	2946.8	3027.7	3165.5	3291.2	3387.7	3477.2	3513.4	3520.3
27.5°	5378.6	4300.5	2977.8	2862.4	2970.9	3096.6	3181.0	3232.7	3294.7	3322.2	3327.4
30°	5578.4	4221.2	2838.3	2795.2	2907.2	3001.9	3039.8	3043.2	3067.3	3067.3	3070.8
32.5°	5779.9	4104.1	2716.0	2729.8	2827.9	2889.9	2895.1	2855.5	2826.2	2778.0	2776.3
35°	6012.4	3985.3	2616.1	2655.7	2734.9	2772.8	2757.3	2681.5	2610.9	2531.7	2528.3
37.5°	6227.7	3863.0	2531.7	2579.9	2629.9	2657.4	2621.3	2530.0	2471.4	2390.5	2378.4
40°	6405.1	3752.8	2450.8	2500.7	2524.8	2548.9	2490.4	2416.3	2424.9	2380.2	2378.4
42.5°	6508.4	3646.0	2375.0	2412.9	2428.4	2445.6	2393.9	2338.8	2385.3	2350.9	2352.6
45°	6584.2	3553.0	2306.1	2319.9	2357.8	2383.6	2335.4	2273.4	2283.7	2151.1	2120.1
47.5°	6670.3	3501.3	2240.6	2226.9	2294.0	2338.8	2264.8	2175.2	2113.2	1982.3	1970.3
50°	6761.6	3482.4	2171.8	2133.9	2214.8	2257.9	2171.8	2059.8	1978.9	1908.3	1901.4
52.5°	6792.6	3480.7	2085.6	2021.9	2102.9	2163.1	2090.8	1977.1	1880.7	1811.8	1808.4
55°	6914.8	3530.6	1975.4	1868.6	1944.4	2068.4	2015.0	1851.4	1773.9	1742.9	1739.5
57.5°	7057.8	3539.2	1801.5	1701.6	1806.6	1953.0	1885.9	1744.6	1660.3	1622.4	1618.9
60°	6999.2	3327.4	1615.5	1574.1	1689.5	1844.5	1782.5	1660.3	1562.1	1525.9	1522.5
62.5°	5333.8	2349.2	1479.4	1463.9	1563.8	1687.8	1675.8	1548.3	1455.3	1429.5	1426.0
65°	3208.6	1649.9	1348.5	1346.8	1417.4	1536.2	1551.7	1448.4	1350.2	1314.1	1314.1
67.5°	1586.2	1262.4	1200.4	1191.8	1236.6	1321.0	1386.4	1302.0	1219.4	1184.9	1179.7
70°	1121.2	1112.6	1091.9	1067.8	1076.4	1110.9	1138.4	1067.8	980.0	945.5	938.6
72.5°	969.6	971.3	957.6	938.6	931.7	907.6	883.5	831.8	778.5	742.3	745.7
75°	752.6	756.1	764.7	757.8	738.8	713.0	687.2	621.7	578.7	544.2	537.3
77.5°	439.2	456.4	484.0	477.1	480.5	444.3	434.0	370.3	330.7	306.6	301.4
80°	248.0	258.3	270.4	279.0	268.7	253.2	230.8	196.3	184.3	167.1	163.6
82.5°	149.8	160.2	165.3	172.2	168.8	148.1	130.9	108.5	98.2	89.6	87.8
85°	75.8	82.7	87.8	91.3	80.9	67.2	60.3	48.2	41.3	36.2	36.2
87.5°	18.9	20.7	24.1	20.7	18.9	8.6	6.9	1.7	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)