

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: P639301

Luminaire Tested: GWS-SA5B-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17796.2 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

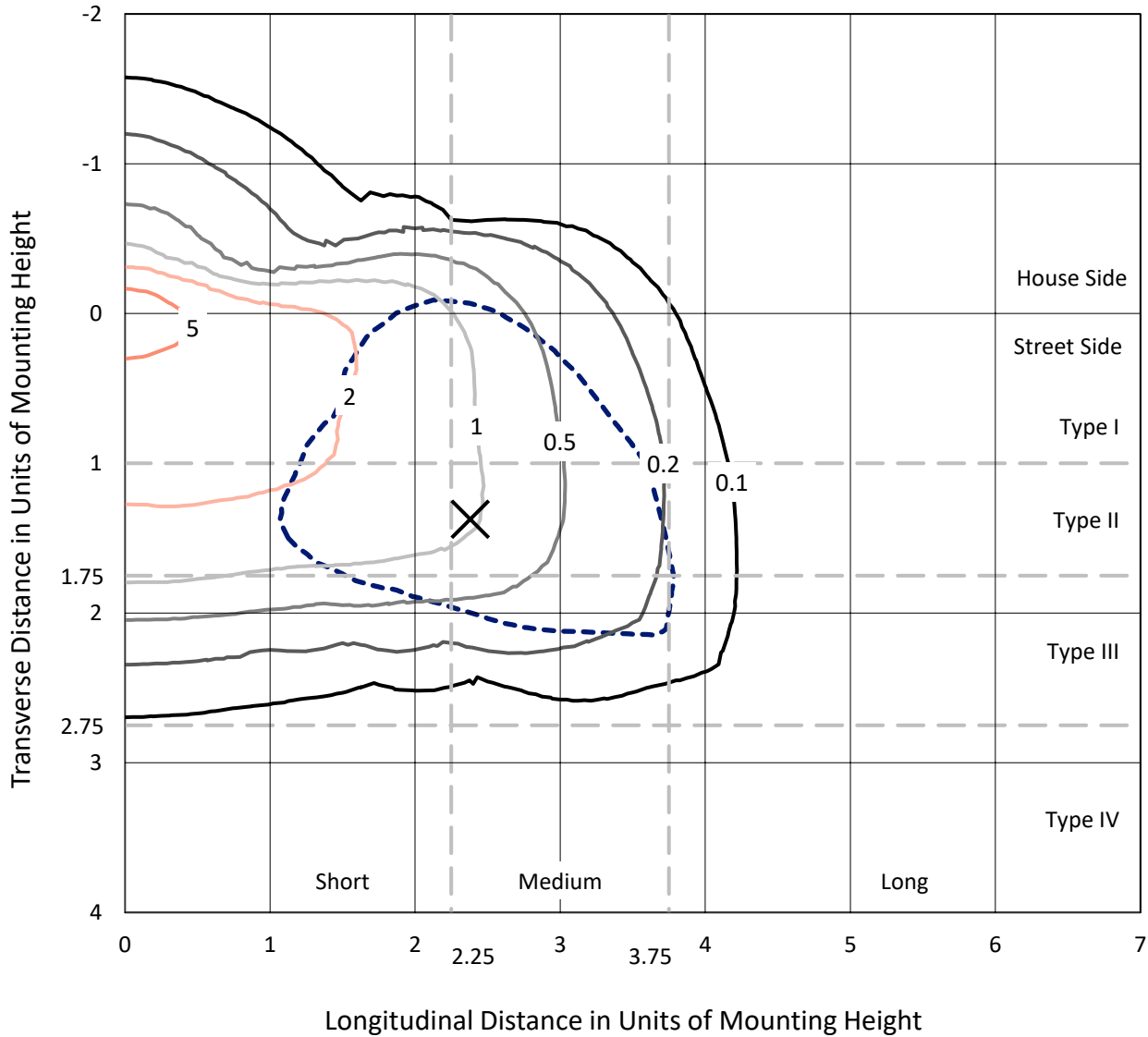
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639301
 CATALOG NUMBER: GWS-SA5B-750-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

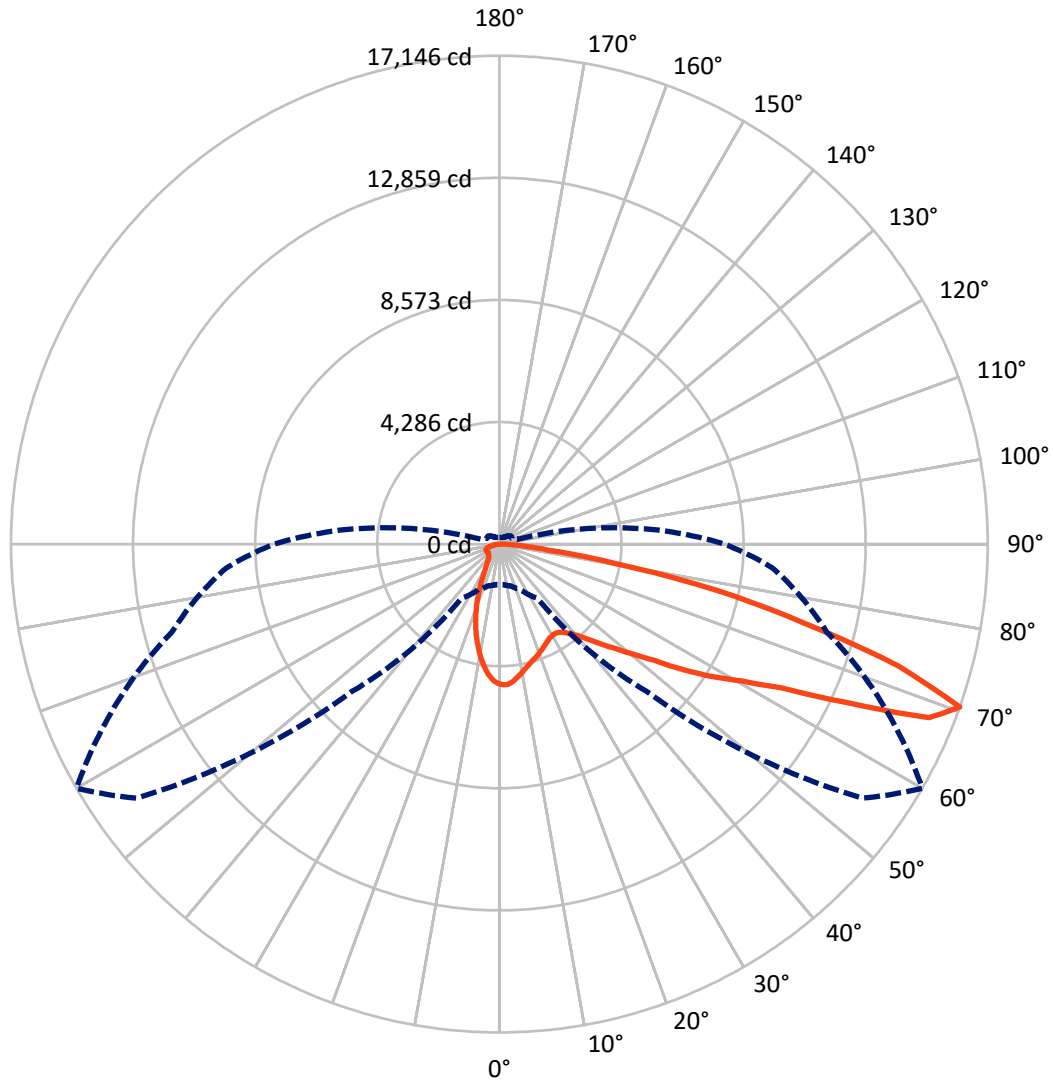
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P639301
CATALOG NUMBER: GWS-SA5B-750-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P639301

CATALOG NUMBER: GWS-SA5B-750-U-SL3-W

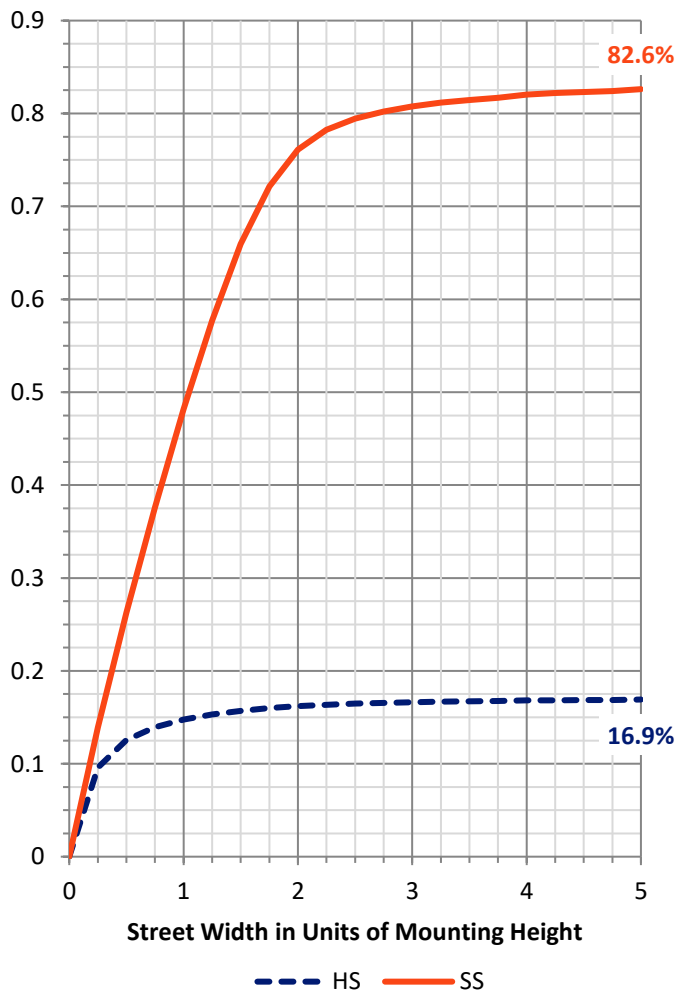
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3043.6	0.0	3043.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14752.6	0.0	14752.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	17796.2	0.0	17796.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.5	2.4
10°-20°	950.9	5.3
20°-30°	1217.8	6.8
30°-40°	1600.5	9.0
40°-50°	2322.1	13.0
50°-60°	3623.1	20.4
60°-70°	4743.3	26.7
70°-80°	2622.9	14.7
80°-90°	291.1	1.6
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°	17796.2	100.0
0°-180°	17796.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639301

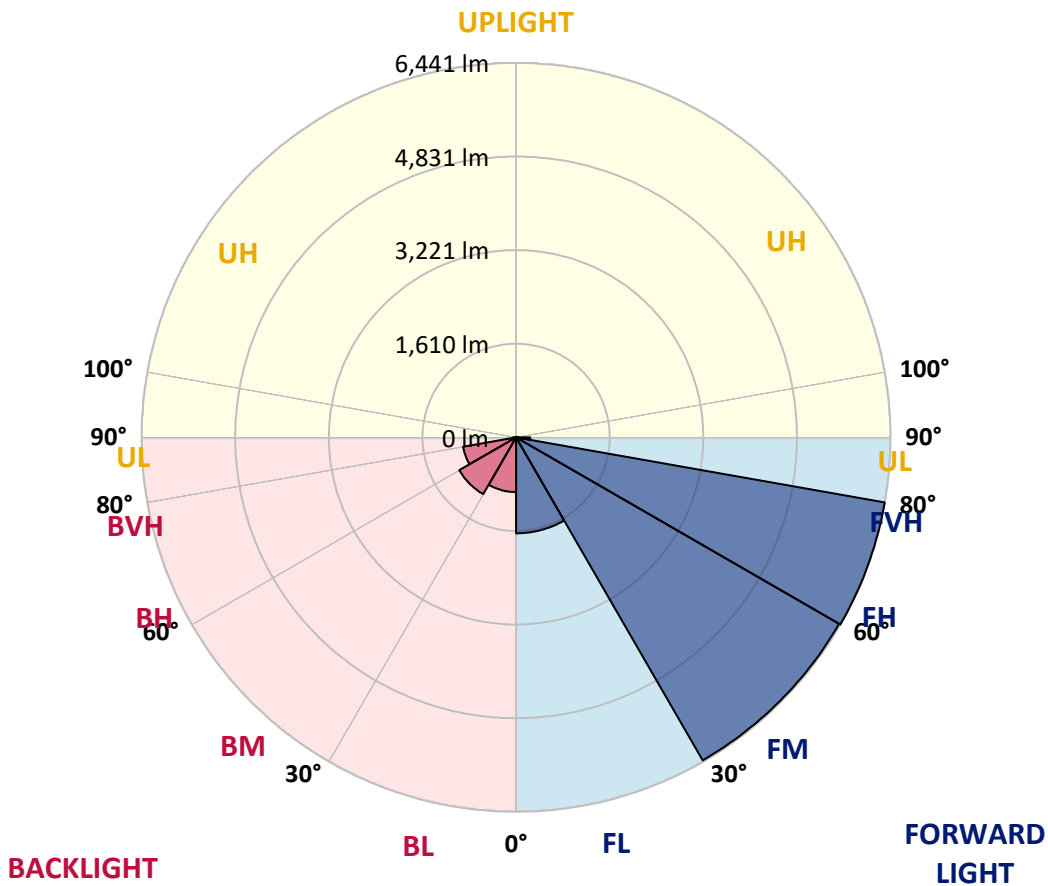
CATALOG NUMBER: GWS-SA5B-750-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1651.6	9.3			
FM (30°-60°)	6417.2	36.1			
FH (60°-80°)	6441.2	36.2			G3/7500
FVH (80°-90°)	242.5	1.4			G3/500
BL (0°-30°)	941.6	5.3	B2/1000		
BM (30°-60°)	1128.5	6.3	B2/2500		
BH (60°-80°)	924.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	48.5	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-G3

Type III Medium





REPORT NUMBER: P639301

CATALOG NUMBER: GWS-SA5B-750-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4855.4	4860.6	4875.0	4895.8	4916.6	4927.0	4953.1	4945.3	4940.1	4929.6	4916.6
5°	4640.6	4651.0	4664.0	4704.4	4750.0	4786.4	4845.0	4851.5	4854.1	4859.3	4838.5
7.5°	4367.2	4369.8	4401.0	4454.4	4514.3	4576.8	4674.4	4701.8	4725.2	4751.3	4734.3
10°	4065.1	4071.6	4095.0	4171.8	4274.7	4367.2	4498.7	4544.2	4593.7	4651.0	4627.6
12.5°	3817.7	3819.0	3856.7	3938.8	4050.7	4175.7	4339.8	4394.5	4459.6	4549.4	4528.6
15°	3621.1	3621.1	3656.2	3726.5	3855.4	4002.6	4197.9	4268.2	4356.7	4477.8	4441.4
17.5°	3464.8	3466.1	3488.3	3562.5	3677.1	3839.8	4071.6	4166.6	4264.3	4424.4	4369.8
20°	3382.8	3376.3	3380.2	3425.8	3523.4	3681.0	3945.3	4056.0	4187.5	4388.0	4304.7
22.5°	3378.9	3367.2	3350.2	3354.1	3411.4	3541.6	3809.9	3944.0	4109.3	4358.0	4238.2
25°	3445.3	3432.3	3402.3	3368.5	3363.3	3441.4	3682.3	3834.6	4028.6	4345.0	4174.4
27.5°	3557.3	3548.1	3509.1	3458.3	3404.9	3402.3	3585.9	3744.8	3970.0	4358.0	4128.9
30°	3705.7	3690.1	3665.3	3600.2	3519.5	3436.2	3548.1	3696.6	3931.0	4399.7	4109.3
32.5°	3873.7	3864.6	3841.1	3776.0	3690.1	3557.3	3578.1	3707.0	3931.0	4472.6	4113.2
35°	4052.1	4050.7	4050.7	4007.8	3912.7	3747.4	3696.6	3795.5	3990.9	4589.8	4154.9
37.5°	4225.2	4223.9	4265.6	4281.2	4173.1	3994.8	3898.4	3972.6	4122.4	4763.0	4257.8
40°	4365.8	4371.1	4462.2	4540.3	4480.4	4315.1	4179.7	4217.4	4335.9	5009.1	4437.5
42.5°	4507.8	4522.1	4658.8	4796.8	4820.3	4677.0	4540.3	4562.5	4641.9	5334.6	4705.7
45°	4662.7	4669.2	4860.6	5053.3	5166.6	5082.0	4970.0	5000.0	5018.2	5736.9	5105.4
47.5°	4812.5	4829.4	5076.8	5341.1	5555.9	5548.1	5485.6	5476.5	5480.4	6226.5	5578.1
50°	5016.9	5041.6	5332.0	5651.0	5966.1	6110.6	6128.9	6059.8	6031.2	6770.8	6166.6
52.5°	5404.9	5404.9	5665.3	5979.1	6402.3	6760.4	6882.8	6769.5	6678.3	7346.3	6791.6
55°	5890.6	5911.4	6118.4	6372.3	6908.8	7443.9	7858.0	7733.0	7475.2	7972.6	7446.6
57.5°	6106.7	6132.8	6460.9	6855.4	7571.6	8221.3	8795.5	8751.2	8374.9	8623.6	8126.2
60°	5716.1	5770.8	6222.6	6884.1	8171.8	9475.2	9880.1	9751.2	9213.5	9307.2	8863.2
62.5°	4768.2	4828.1	5329.4	6252.6	8088.5	10830.6	11589.7	11114.5	10260.3	10170.5	9845.0
65°	2845.0	2842.4	3445.3	4669.2	7061.1	11206.9	14295.5	13408.7	11877.5	11355.4	10855.4
67.5°	1808.6	1804.7	1931.0	2473.9	4699.2	10285.1	16035.0	16265.5	14074.1	12226.5	10938.7
70°	1427.1	1425.8	1516.9	1764.3	2324.2	7319.0	15550.7	17145.7	15400.9	11894.4	9631.4
72.5°	1040.4	1043.0	1183.6	1477.9	1793.0	3674.4	12592.3	14670.5	14165.2	10499.9	7818.9
75°	747.4	751.3	835.9	1131.5	1653.6	2009.1	8373.6	11031.2	10777.3	8416.6	5378.9
77.5°	475.3	480.5	554.7	793.0	1335.9	1622.4	5076.8	7787.7	7170.5	4742.1	1912.7
80°	290.4	307.3	369.8	591.1	1067.7	1217.4	2537.7	4102.8	3591.1	1300.8	643.2
82.5°	149.7	162.8	222.7	365.9	735.7	1069.0	1436.2	1723.9	1112.0	544.3	342.4
85°	46.9	54.7	78.1	148.4	350.3	662.8	950.5	856.8	510.4	256.5	158.9
87.5°	11.7	11.7	13.0	13.0	14.3	29.9	183.6	194.0	135.4	80.7	65.1
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: P639301
 CATALOG NUMBER: GWS-SA5B-750-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4	4924.4
2.5°	4890.6	4859.3	4846.3	4845.0	4812.5	4765.6	4734.3	4712.2	4699.2	4696.6	4696.6
5°	4803.3	4763.0	4709.6	4669.2	4582.0	4493.5	4419.2	4377.6	4329.4	4322.9	4321.6
7.5°	4687.5	4628.9	4527.3	4414.0	4261.7	4114.5	3989.6	3904.9	3820.3	3804.7	3799.4
10°	4562.5	4483.0	4309.9	4110.6	3882.8	3662.7	3471.3	3321.6	3222.6	3152.3	3139.3
12.5°	4438.8	4333.3	4079.4	3782.5	3470.0	3169.2	2881.5	2636.7	2459.6	2356.8	2338.5
15°	4322.9	4175.7	3828.1	3449.2	3042.9	2631.5	2223.9	1906.2	1657.5	1569.0	1548.2
17.5°	4217.4	4033.8	3584.6	3104.1	2597.6	2059.9	1596.3	1313.8	1168.0	1123.7	1113.3
20°	4111.9	3888.0	3337.2	2740.9	2125.0	1522.1	1166.7	1033.8	979.2	962.2	957.0
22.5°	3998.7	3727.8	3067.7	2382.8	1647.1	1139.3	954.4	895.8	878.9	880.2	878.9
25°	3885.4	3565.1	2785.1	1993.5	1226.6	924.5	833.3	811.2	815.1	826.8	829.4
27.5°	3791.6	3420.5	2507.8	1566.4	958.3	795.6	752.6	751.3	765.6	781.2	783.8
30°	3723.9	3291.6	2234.4	1204.4	789.1	707.0	690.1	697.9	714.8	726.6	730.5
32.5°	3675.8	3181.0	1942.7	946.6	691.4	644.5	636.7	644.5	654.9	666.7	669.3
35°	3658.8	3100.2	1656.2	772.1	625.0	599.0	593.7	597.7	602.9	609.4	612.0
37.5°	3696.6	3059.9	1356.8	671.9	584.6	569.0	561.2	558.6	559.9	562.5	563.8
40°	3808.6	3078.1	1112.0	613.3	558.6	544.3	531.2	526.0	524.7	527.3	526.0
42.5°	4001.3	3154.9	934.9	579.4	537.8	516.9	502.6	497.4	497.4	503.9	503.9
45°	4283.8	3306.0	807.3	554.7	519.5	493.5	477.9	475.3	480.5	490.9	492.2
47.5°	4697.9	3527.3	730.5	536.5	502.6	472.7	457.0	455.7	466.1	483.1	484.4
50°	5188.8	3846.3	688.8	523.4	490.9	455.7	440.1	441.4	453.1	471.4	475.3
52.5°	5779.9	4281.2	691.4	518.2	484.4	445.3	429.7	427.1	438.8	457.0	460.9
55°	6390.6	4809.9	742.2	519.5	475.3	440.1	419.3	410.2	420.6	433.6	434.9
57.5°	7062.4	5406.2	868.5	516.9	463.5	434.9	410.2	389.3	395.8	403.6	407.5
60°	7820.2	6108.0	1140.6	522.1	458.3	423.2	391.9	364.6	363.3	368.5	369.8
62.5°	8833.3	7062.4	1446.6	531.2	470.0	408.9	364.6	335.9	330.7	333.3	334.6
65°	9608.0	7518.2	1350.2	523.4	494.8	398.4	338.5	308.6	298.2	295.6	295.6
67.5°	9292.9	6915.3	940.1	502.6	506.5	399.7	317.7	279.9	266.9	260.4	259.1
70°	7907.5	5617.1	653.6	481.8	493.5	397.1	295.6	256.5	239.6	230.5	229.2
72.5°	6247.3	4289.0	528.6	440.1	447.9	358.1	263.0	230.5	216.1	204.4	204.4
75°	4020.8	2617.2	441.4	391.9	365.9	278.6	227.9	205.7	191.4	179.7	179.7
77.5°	1352.9	971.3	342.4	332.0	273.4	209.6	191.4	177.1	165.4	154.9	153.6
80°	549.5	460.9	251.3	251.3	191.4	160.2	149.7	143.2	135.4	122.4	122.4
82.5°	319.0	279.9	175.8	152.3	127.6	110.7	104.2	97.7	97.7	88.5	88.5
85°	153.6	154.9	105.5	93.7	72.9	63.8	61.2	57.3	56.0	50.8	49.5
87.5°	83.3	84.6	53.4	41.7	28.6	24.7	20.8	19.5	18.2	16.9	16.9
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)