

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: P642162

Luminaire Tested: GWS-SA6C-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22066 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

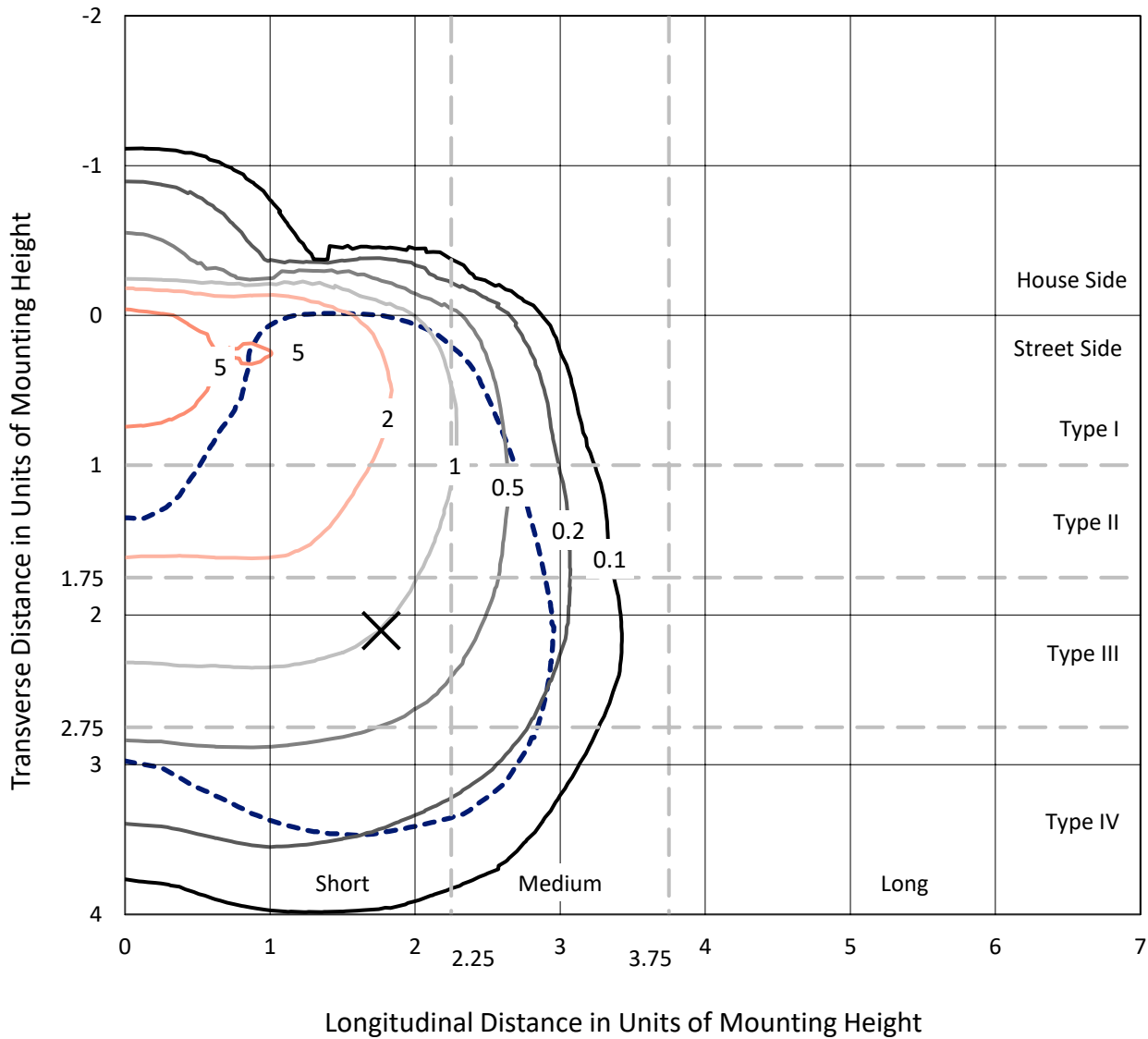
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642162
 CATALOG NUMBER: GWS-SA6C-735-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

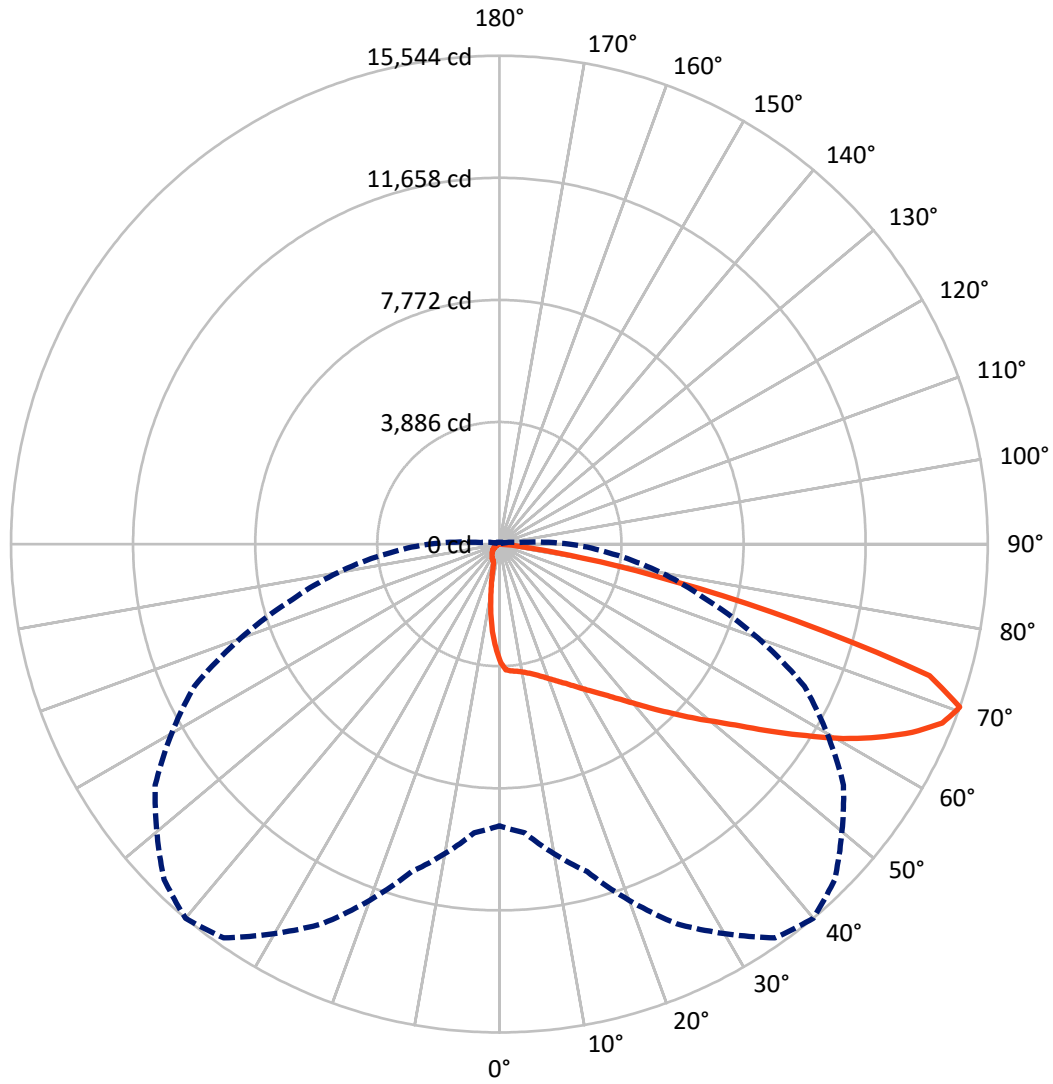
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P642162
CATALOG NUMBER: GWS-SA6C-735-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642162
 CATALOG NUMBER: GWS-SA6C-735-U-SL4-W-HSS

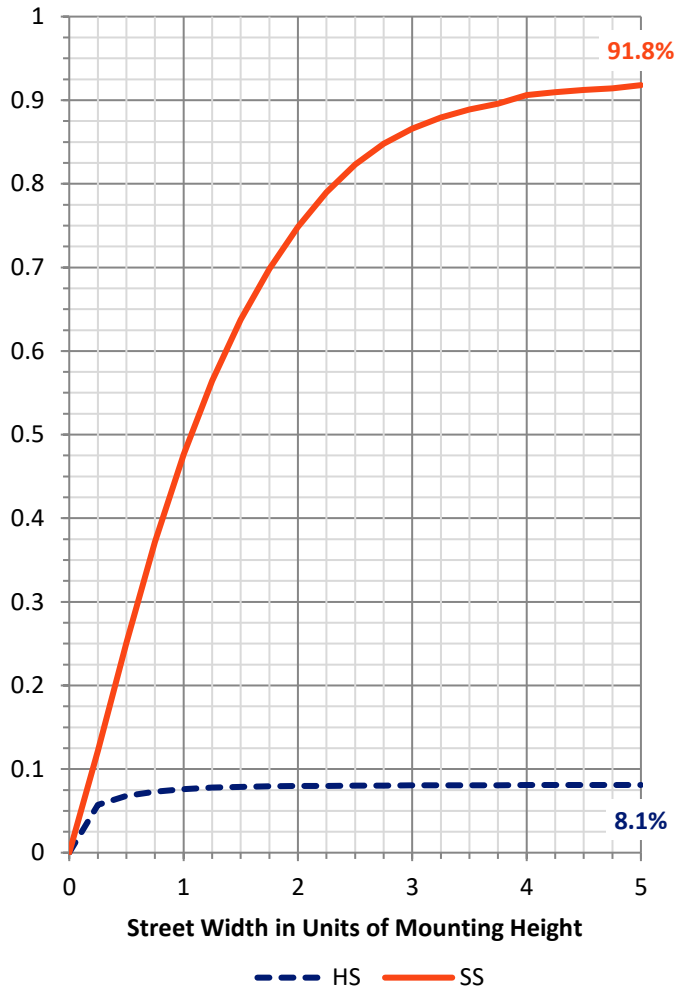
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1804.4	0.0	1804.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	20261.6	0.0	20261.6
	% Fixture	91.8	0.0	91.8
Total	Lumens	22066.0	0.0	22066.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	1.4
10°-20°	802.6	3.6
20°-30°	1343.4	6.1
30°-40°	2109.9	9.6
40°-50°	3337.4	15.1
50°-60°	4868.4	22.1
60°-70°	6035.1	27.4
70°-80°	3053.4	13.8
80°-90°	199.3	0.9
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°	22066.0	100.0
0°-180°	22066.0	100.0

Coefficient of Utilization



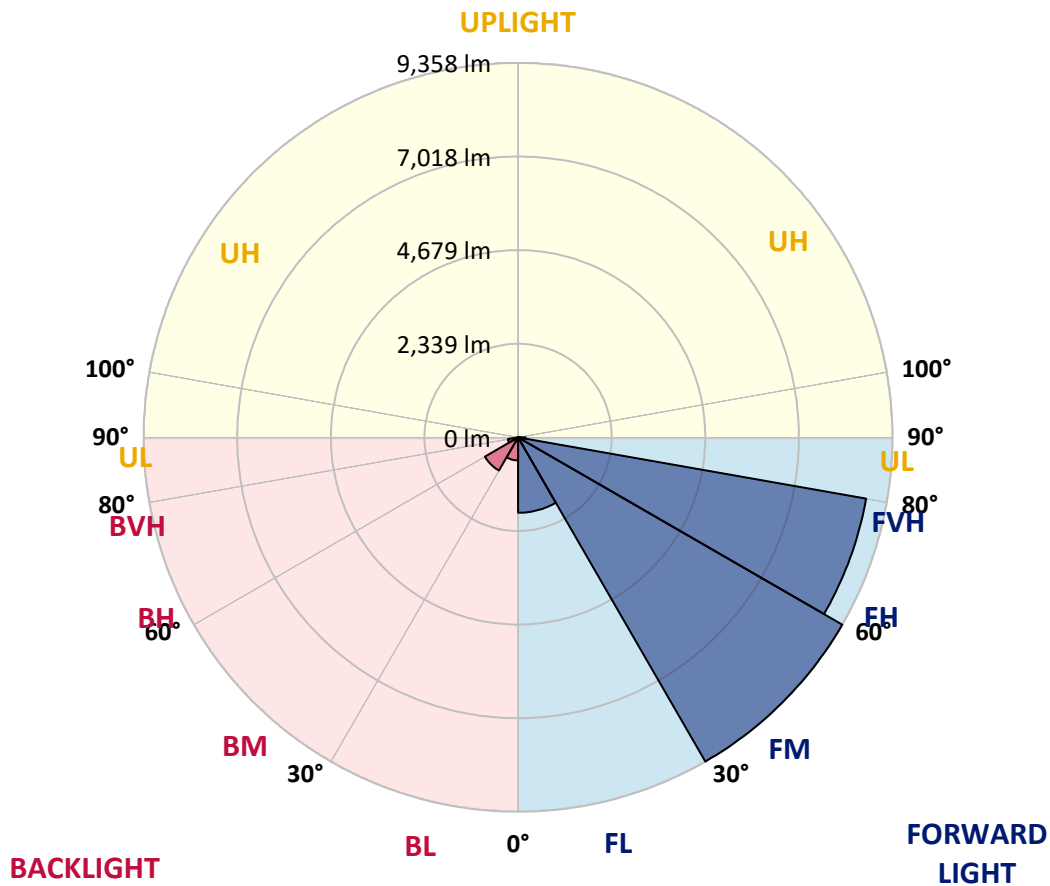
REPORT NUMBER: P642162

CATALOG NUMBER: GWS-SA6C-735-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1886.2	8.5			
FM (30°-60°)	9357.9	42.4			
FH (60°-80°)	8831.2	40.0			G4/12000
FVH (80°-90°)	186.2	0.8			G2/225
BL (0°-30°)	576.2	2.6	B2/1000		
BM (30°-60°)	957.8	4.3	B1/1000		
BH (60°-80°)	257.3	1.2	B1/500		G1/500
BVH (80°-90°)	13.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short





REPORT NUMBER: P642162

CATALOG NUMBER: GWS-SA6C-735-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3
2.5°	4025.4	4039.5	4037.5	4043.5	4029.4	4007.3	4003.3	3973.2	3919.0	3850.7	3774.5
5°	4107.7	4123.8	4111.7	4105.7	4079.6	4055.5	4049.5	4017.4	3955.1	3862.8	3730.3
7.5°	4178.0	4182.0	4174.0	4159.9	4121.8	4089.7	4067.6	4023.4	3949.1	3856.8	3704.2
10°	4190.0	4188.0	4192.0	4194.1	4170.0	4141.9	4123.8	4063.6	3969.2	3870.8	3706.2
12.5°	4176.0	4176.0	4202.1	4232.2	4232.2	4218.1	4200.1	4145.9	4035.5	3919.0	3746.3
15°	4194.1	4200.1	4250.3	4306.5	4324.6	4310.5	4302.5	4246.3	4131.8	4003.3	3818.6
17.5°	4258.3	4264.3	4344.6	4429.0	4451.0	4435.0	4418.9	4362.7	4240.2	4099.7	3900.9
20°	4352.7	4368.7	4471.1	4579.5	4599.6	4579.5	4547.4	4469.1	4346.6	4204.1	3979.2
22.5°	4525.3	4535.4	4645.8	4760.2	4770.3	4738.1	4690.0	4581.5	4453.0	4314.5	4067.6
25°	4754.2	4768.3	4878.7	4989.1	4963.0	4914.8	4848.6	4726.1	4579.5	4445.0	4180.0
27.5°	5027.2	5043.3	5151.7	5248.1	5179.8	5123.6	5049.3	4896.7	4748.2	4625.7	4324.6
30°	5322.4	5336.4	5432.8	5519.1	5428.8	5362.5	5274.2	5117.6	4967.0	4874.7	4529.3
32.5°	5607.5	5605.5	5697.8	5768.1	5675.7	5623.5	5543.2	5384.6	5264.2	5224.0	4834.5
35°	5872.5	5872.5	5948.8	6019.0	5952.8	5924.7	5850.4	5723.9	5655.7	5703.8	5242.1
37.5°	6139.5	6125.5	6197.7	6276.0	6270.0	6272.0	6229.9	6169.6	6173.6	6344.3	5802.2
40°	6360.4	6354.3	6438.7	6541.0	6621.4	6685.6	6659.5	6681.6	6808.1	7127.3	6519.0
42.5°	6537.0	6551.1	6659.5	6822.1	7024.9	7155.4	7173.5	7263.8	7589.1	8082.9	7328.1
45°	6739.8	6741.8	6892.4	7141.3	7464.6	7671.4	7743.6	7976.5	8438.3	9074.7	8215.5
47.5°	6988.8	6964.7	7133.3	7482.6	7950.4	8255.6	8384.1	8675.2	9390.0	10042.4	8938.2
50°	7263.8	7219.6	7410.4	7886.2	8494.5	8876.0	9137.0	9562.6	10333.6	10837.5	9476.3
52.5°	7583.0	7540.9	7757.7	8350.0	9147.0	9610.8	9946.1	10375.7	11142.7	11443.8	9797.5
55°	7988.6	7946.4	8175.3	8906.1	9918.0	10520.3	10871.6	11233.0	11895.5	11891.5	10030.4
57.5°	8438.3	8380.1	8697.3	9608.8	10879.7	11506.1	11863.4	12040.1	12467.7	12238.9	10187.0
60°	8954.3	8902.1	9341.8	10446.0	11989.9	12570.1	12795.0	12722.7	12937.5	12443.6	10132.8
62.5°	9420.1	9396.0	9942.1	11333.4	13048.0	13537.8	13600.1	13284.9	13282.9	12447.7	9767.4
65°	9903.9	9950.1	10761.2	12355.3	14112.0	14441.3	14334.9	13843.0	13421.4	11955.8	8687.3
67.5°	10084.6	10219.1	11301.3	13278.8	14951.2	15208.2	15021.5	14122.1	12845.2	10301.4	6615.3
70°	8968.3	9221.3	10791.3	13331.0	15298.6	15543.5	15095.8	13371.2	10709.0	6824.1	3623.9
72.5°	6820.1	7115.2	8992.4	10915.8	13758.7	14316.8	13551.9	10893.7	6902.4	2989.4	1216.7
75°	3816.6	4135.8	6697.6	8219.5	9237.4	9747.3	9466.2	6988.8	3057.7	781.0	363.4
77.5°	1290.9	1397.3	3115.9	5085.5	6097.3	5639.6	4774.3	3471.3	1124.3	297.1	192.7
80°	764.9	805.1	1160.4	2531.7	3208.3	2660.2	2100.0	1282.9	572.2	158.6	134.5
82.5°	228.9	271.0	640.5	939.6	1256.8	783.0	662.5	732.8	297.1	86.3	112.4
85°	0.0	0.0	136.5	291.1	329.3	128.5	128.5	415.6	54.2	36.1	82.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	10.0	6.0	8.0	18.1
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: P642162
 CATALOG NUMBER: GWS-SA6C-735-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3	3744.3
2.5°	3720.2	3650.0	3567.7	3489.4	3415.1	3318.7	3272.5	3216.3	3168.1	3142.0	3156.1
5°	3646.0	3535.5	3366.9	3196.2	3023.6	2861.0	2714.4	2616.0	2527.7	2481.5	2491.5
7.5°	3581.7	3433.1	3170.1	2891.1	2614.0	2334.9	2108.1	1931.4	1794.9	1738.7	1728.6
10°	3553.6	3366.9	2995.5	2593.9	2168.3	1792.9	1471.6	1276.9	1138.4	1070.1	1082.1
12.5°	3567.7	3332.8	2846.9	2302.8	1750.7	1313.0	1005.9	823.2	724.8	684.6	674.6
15°	3607.8	3324.7	2714.4	2005.7	1351.2	917.5	694.7	620.4	600.3	596.3	596.3
17.5°	3654.0	3326.7	2577.9	1704.5	1025.9	680.6	594.3	580.2	574.2	570.2	572.2
20°	3700.2	3326.7	2421.3	1399.4	771.0	588.3	566.2	556.1	550.1	548.1	548.1
22.5°	3756.4	3326.7	2246.6	1116.3	618.4	558.1	540.1	534.0	528.0	526.0	524.0
25°	3824.6	3328.7	2053.9	873.3	562.2	532.0	518.0	512.0	505.9	501.9	501.9
27.5°	3923.0	3344.8	1841.0	680.6	530.0	507.9	495.9	489.9	483.9	477.8	477.8
30°	4065.6	3385.0	1602.1	562.2	499.9	481.8	469.8	465.8	459.8	453.7	451.7
32.5°	4278.4	3455.2	1355.2	503.9	471.8	453.7	439.7	435.7	429.6	423.6	421.6
35°	4575.5	3583.7	1114.3	467.8	435.7	417.6	409.6	407.6	399.5	393.5	393.5
37.5°	5011.2	3792.5	883.4	431.7	405.6	391.5	381.5	377.4	369.4	363.4	361.4
40°	5543.2	4063.6	686.6	403.5	377.4	363.4	353.4	347.3	337.3	329.3	325.2
42.5°	6221.8	4394.8	542.1	373.4	351.3	337.3	329.3	317.2	303.2	291.1	289.1
45°	6928.5	4736.1	447.7	345.3	327.3	315.2	305.2	289.1	269.0	255.0	251.0
47.5°	7470.6	4948.9	391.5	315.2	301.2	291.1	279.1	259.0	234.9	218.8	214.8
50°	7858.1	4981.1	349.3	287.1	279.1	269.0	251.0	226.9	200.8	184.7	180.7
52.5°	8048.8	4836.5	315.2	261.0	255.0	244.9	222.9	196.8	168.6	152.6	148.6
55°	8135.1	4563.5	283.1	238.9	230.9	218.8	194.7	166.6	138.5	124.5	120.5
57.5°	8101.0	4159.9	255.0	216.8	206.8	192.7	166.6	136.5	114.4	100.4	98.4
60°	7848.0	3593.8	226.9	194.7	182.7	166.6	140.5	112.4	92.4	82.3	80.3
62.5°	7302.0	2891.1	198.8	168.6	160.6	144.6	120.5	92.4	76.3	70.3	68.3
65°	6183.7	2043.8	170.7	142.5	138.5	122.5	100.4	76.3	66.3	62.2	60.2
67.5°	4445.0	1242.8	144.6	122.5	118.5	104.4	84.3	66.3	60.2	58.2	58.2
70°	2234.6	588.3	114.4	100.4	100.4	86.3	72.3	60.2	58.2	56.2	56.2
72.5°	758.9	251.0	86.3	78.3	82.3	74.3	62.2	56.2	56.2	56.2	56.2
75°	259.0	132.5	60.2	56.2	60.2	60.2	54.2	54.2	56.2	56.2	56.2
77.5°	168.6	88.3	42.2	38.1	46.2	46.2	46.2	50.2	54.2	54.2	54.2
80°	138.5	48.2	28.1	26.1	34.1	34.1	38.1	46.2	50.2	50.2	50.2
82.5°	118.5	30.1	16.1	18.1	24.1	26.1	32.1	38.1	44.2	46.2	46.2
85°	80.3	16.1	12.0	14.1	16.1	20.1	26.1	32.1	36.1	40.2	40.2
87.5°	22.1	6.0	8.0	10.0	10.0	14.1	20.1	24.1	28.1	30.1	30.1
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)