

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: P641996

Luminaire Tested: GWS-SA6C-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641996
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-SA6C-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20493.3 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

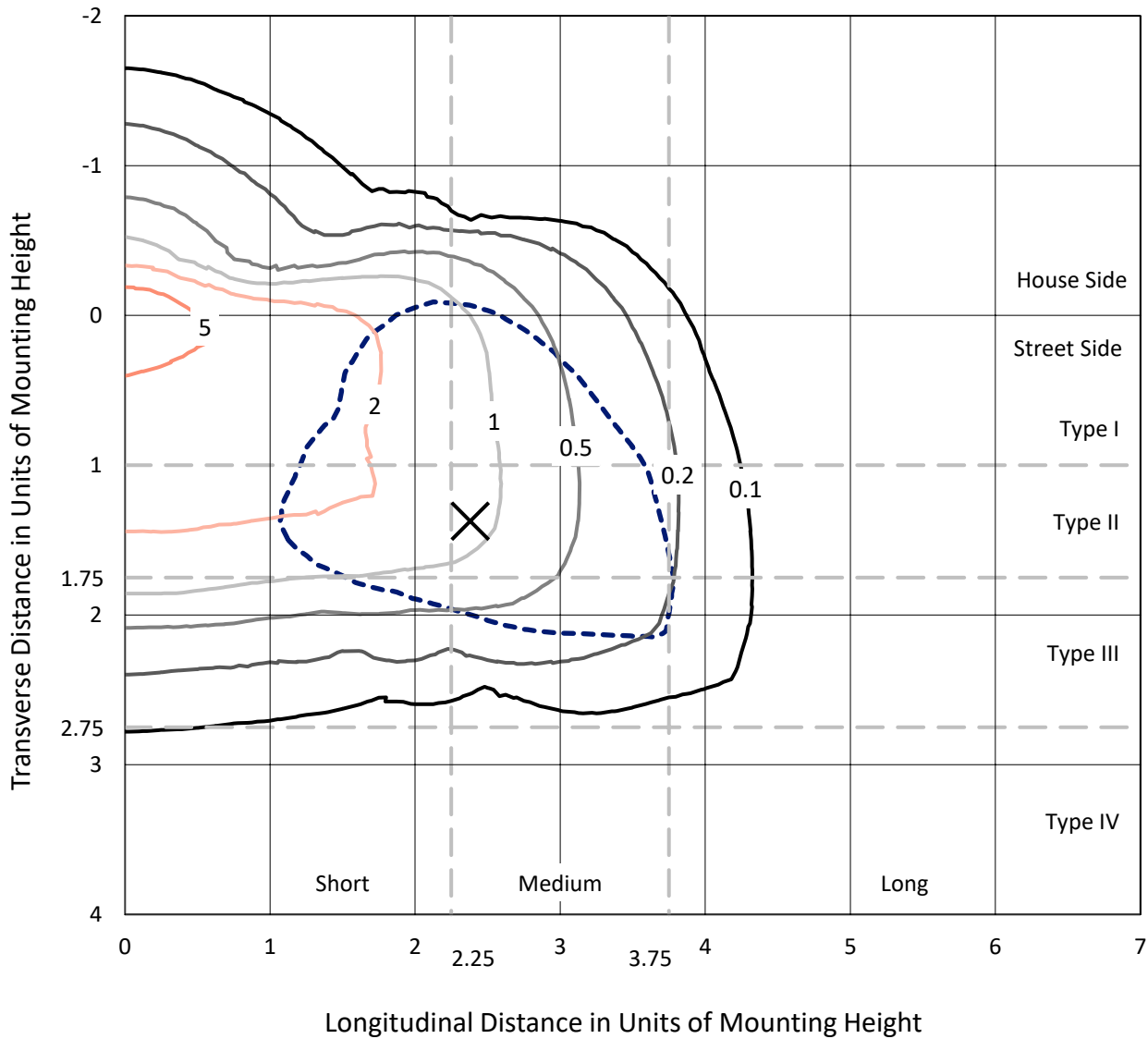
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641996
 CATALOG NUMBER: GWS-SA6C-722-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

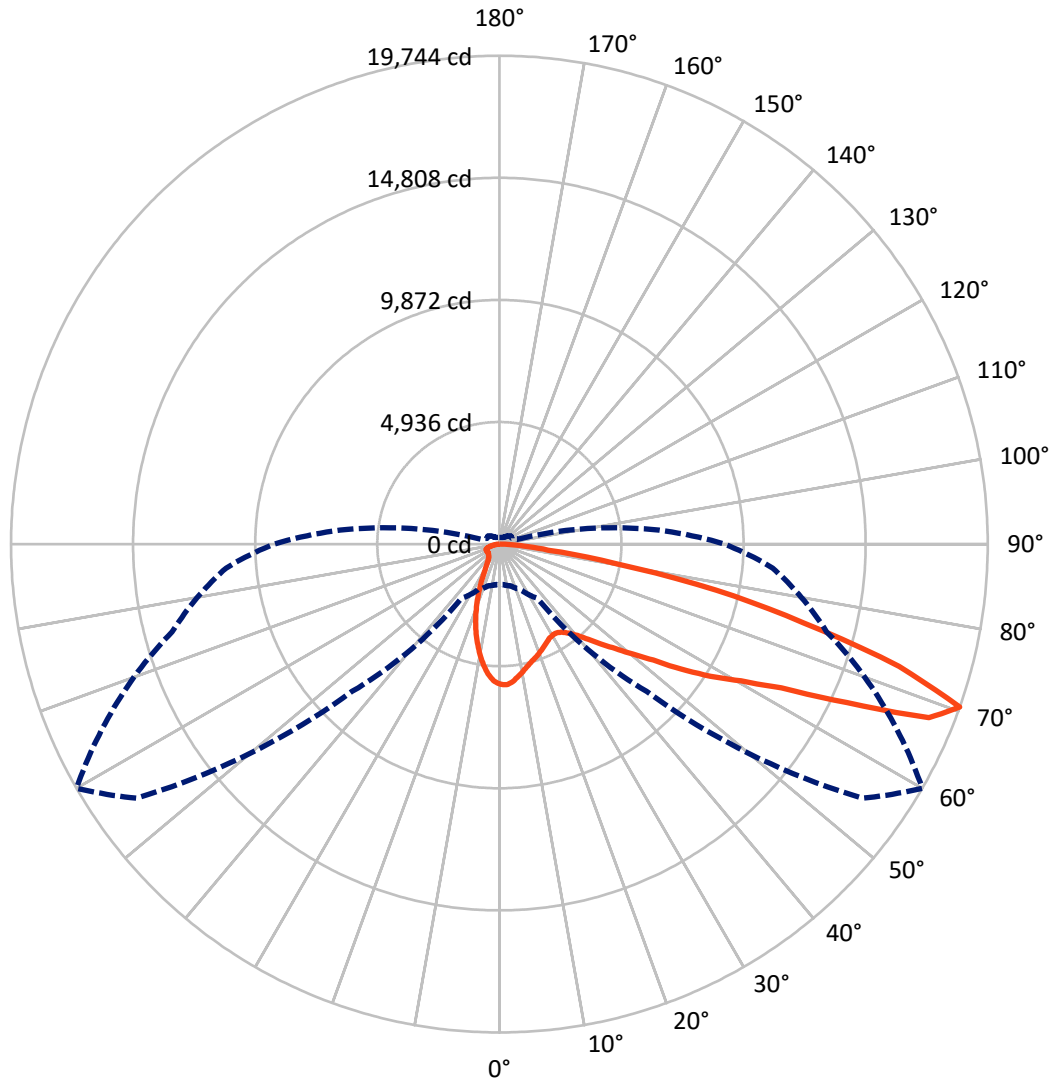
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P641996
CATALOG NUMBER: GWS-SA6C-722-U-SL3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641996

CATALOG NUMBER: GWS-SA6C-722-U-SL3-W

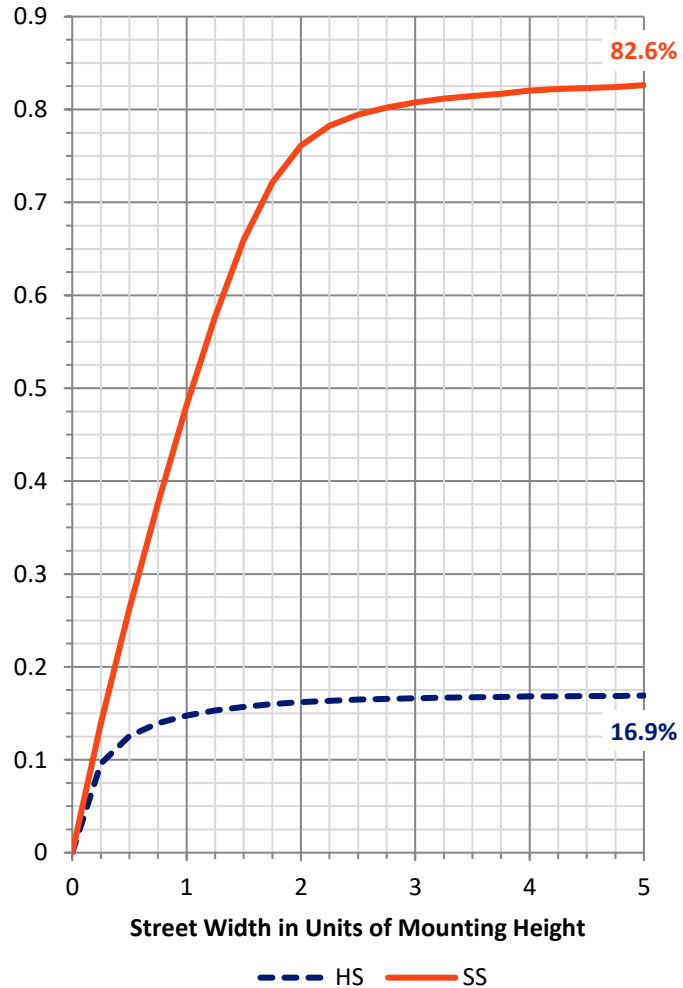
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3504.8	0.0	3504.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	16988.5	0.0	16988.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	20493.3	0.0	20493.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.8	2.4
10°-20°	1095.1	5.3
20°-30°	1402.4	6.8
30°-40°	1843.1	9.0
40°-50°	2674.1	13.0
50°-60°	4172.1	20.4
60°-70°	5462.2	26.7
70°-80°	3020.4	14.7
80°-90°	335.2	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°	20493.3	100.0
0°-180°	20493.3	100.0

Coefficient of Utilization



REPORT NUMBER: P641996

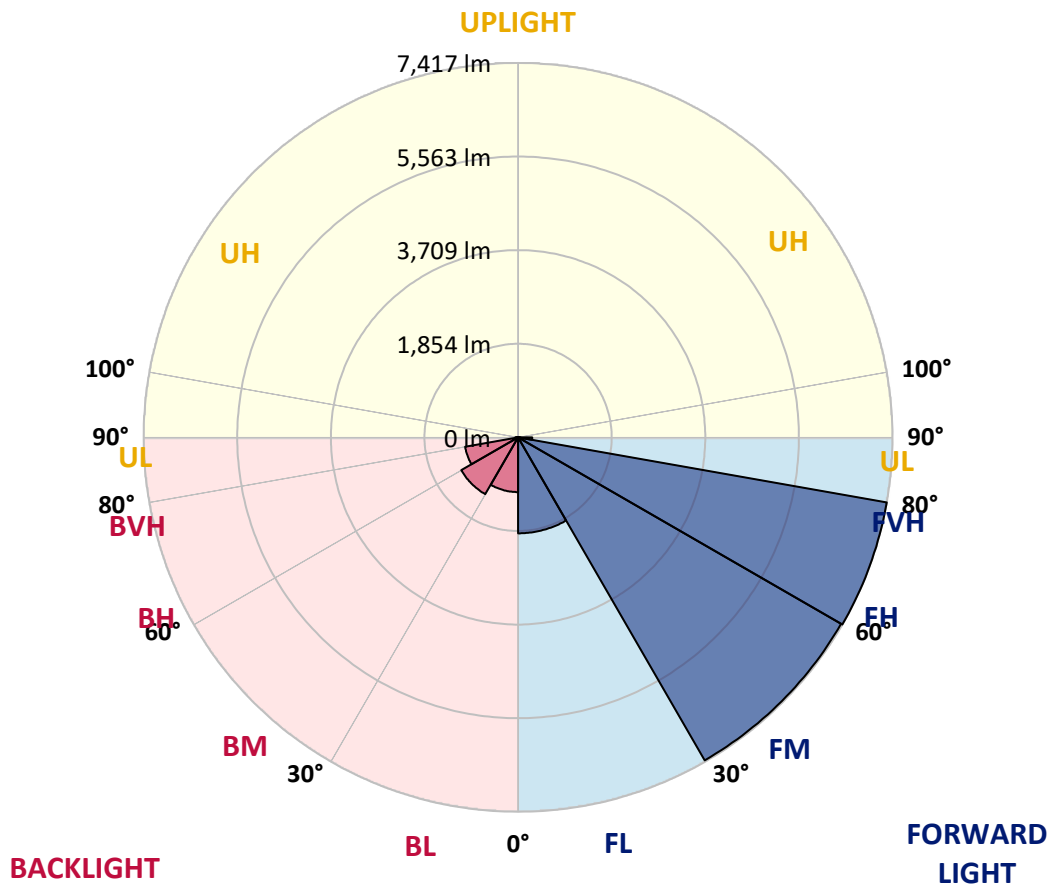
CATALOG NUMBER: GWS-SA6C-722-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1901.9	9.3			
FM (30°-60°)	7389.8	36.1			
FH (60°-80°)	7417.4	36.2			G3/7500
FVH (80°-90°)	279.3	1.4			G3/500
BL (0°-30°)	1084.4	5.3	B3/2500		
BM (30°-60°)	1299.5	6.3	B2/2500		
BH (60°-80°)	1065.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	55.9	0.3			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 III Medium





REPORT NUMBER: P641996
 CATALOG NUMBER: GWS-SA6C-722-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8
2.5°	5591.3	5597.3	5613.8	5637.8	5661.8	5673.8	5703.7	5694.8	5688.8	5676.8	5661.8
5°	5343.9	5355.9	5370.9	5417.4	5469.8	5511.8	5579.3	5586.8	5589.8	5595.8	5571.8
7.5°	5029.0	5032.0	5068.0	5129.5	5198.4	5270.4	5382.9	5414.4	5441.4	5471.3	5451.8
10°	4681.2	4688.6	4715.6	4804.1	4922.6	5029.0	5180.5	5232.9	5289.9	5355.9	5328.9
12.5°	4396.3	4397.8	4441.2	4535.7	4664.7	4808.6	4997.5	5060.5	5135.5	5238.9	5214.9
15°	4169.9	4169.9	4210.3	4291.3	4439.7	4609.2	4834.1	4915.1	5017.0	5156.5	5114.5
17.5°	3989.9	3991.4	4016.9	4102.4	4234.3	4421.8	4688.6	4798.1	4910.6	5095.0	5032.0
20°	3895.5	3888.0	3892.5	3944.9	4057.4	4238.8	4543.2	4670.7	4822.1	5053.0	4957.0
22.5°	3891.0	3877.5	3858.0	3862.5	3928.4	4078.4	4387.3	4541.7	4732.1	5018.5	4880.6
25°	3967.4	3952.4	3918.0	3879.0	3873.0	3962.9	4240.3	4415.8	4639.2	5003.5	4807.1
27.5°	4096.4	4085.9	4040.9	3982.4	3921.0	3918.0	4129.4	4312.3	4571.7	5018.5	4754.6
30°	4267.3	4249.3	4220.8	4145.9	4052.9	3956.9	4085.9	4256.8	4526.7	5066.5	4732.1
32.5°	4460.7	4450.2	4423.3	4348.3	4249.3	4096.4	4120.4	4268.8	4526.7	5150.5	4736.6
35°	4666.2	4664.7	4664.7	4615.2	4505.7	4315.3	4256.8	4370.8	4595.7	5285.4	4784.6
37.5°	4865.6	4864.1	4912.1	4930.1	4805.6	4600.2	4489.2	4574.7	4747.1	5484.8	4903.1
40°	5027.5	5033.5	5138.5	5228.4	5159.5	4969.0	4813.1	4856.6	4993.0	5768.2	5110.0
42.5°	5191.0	5207.4	5364.9	5523.8	5550.8	5385.9	5228.4	5253.9	5345.4	6143.1	5418.9
45°	5369.4	5376.9	5597.3	5819.2	5949.7	5852.2	5723.2	5757.7	5778.7	6606.4	5879.2
47.5°	5541.8	5561.3	5846.2	6150.6	6398.0	6389.0	6317.0	6306.5	6311.0	7170.2	6423.5
50°	5777.2	5805.7	6140.1	6507.4	6870.3	7036.7	7057.7	6978.2	6945.3	7796.9	7101.2
52.5°	6224.0	6224.0	6523.9	6885.3	7372.6	7784.9	7925.9	7795.4	7690.5	8459.7	7820.9
55°	6783.3	6807.3	7045.7	7338.1	7955.9	8572.1	9048.9	8905.0	8608.1	9180.9	8575.1
57.5°	7032.2	7062.2	7440.1	7894.4	8719.1	9467.3	10128.5	10077.5	9644.2	9930.6	9357.8
60°	6582.4	6645.4	7165.7	7927.4	9410.3	10911.2	11377.5	11229.1	10609.8	10717.8	10206.5
62.5°	5490.8	5559.8	6137.1	7200.2	9314.3	12472.1	13346.2	12798.9	11815.3	11711.9	11337.0
65°	3276.2	3273.2	3967.4	5376.9	8131.3	12905.4	16462.0	15440.9	13677.6	13076.3	12500.6
67.5°	2082.7	2078.2	2223.6	2848.9	5411.4	11843.8	18465.2	18730.6	16207.1	14079.4	12596.5
70°	1643.4	1641.9	1746.8	2031.7	2676.4	8428.2	17907.4	19744.2	17735.0	13697.1	11091.1
72.5°	1198.0	1201.0	1363.0	1701.8	2064.7	4231.3	14500.8	16893.8	16312.1	12091.2	9003.9
75°	860.7	865.2	962.6	1303.0	1904.2	2313.6	9642.7	12703.0	12410.6	9692.2	6194.1
77.5°	547.3	553.3	638.7	913.1	1538.4	1868.3	5846.2	8968.0	8257.2	5460.8	2202.6
80°	334.4	353.9	425.8	680.7	1229.5	1401.9	2922.3	4724.6	4135.4	1497.9	740.7
82.5°	172.4	187.4	256.4	421.3	847.2	1231.0	1653.8	1985.2	1280.5	626.8	394.3
85°	54.0	63.0	90.0	170.9	403.3	763.2	1094.6	986.6	587.8	295.4	182.9
87.5°	13.5	13.5	15.0	15.0	16.5	34.5	211.4	223.4	155.9	93.0	75.0
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: P641996
 CATALOG NUMBER: GWS-SA6C-722-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8	5670.8
2.5°	5631.8	5595.8	5580.8	5579.3	5541.8	5487.8	5451.8	5426.4	5411.4	5408.4	5408.4
5°	5531.3	5484.8	5423.4	5376.9	5276.4	5174.5	5089.0	5041.0	4985.5	4978.0	4976.5
7.5°	5397.9	5330.4	5213.4	5083.0	4907.6	4738.1	4594.2	4496.7	4399.3	4381.3	4375.3
10°	5253.9	5162.5	4963.0	4733.6	4471.2	4217.8	3997.4	3825.0	3711.0	3630.1	3615.1
12.5°	5111.5	4990.0	4697.6	4355.8	3995.9	3649.6	3318.2	3036.3	2832.4	2713.9	2692.9
15°	4978.0	4808.6	4408.3	3971.9	3504.1	3030.3	2561.0	2195.1	1908.7	1806.8	1782.8
17.5°	4856.6	4645.2	4127.9	3574.6	2991.3	2372.1	1838.3	1512.9	1345.0	1294.0	1282.0
20°	4735.1	4477.2	3843.0	3156.3	2447.0	1752.8	1343.5	1190.5	1127.6	1108.1	1102.1
22.5°	4604.7	4292.8	3532.6	2743.9	1896.8	1312.0	1099.1	1031.6	1012.1	1013.6	1012.1
25°	4474.2	4105.4	3207.2	2295.6	1412.4	1064.6	959.6	934.1	938.6	952.1	955.1
27.5°	4366.3	3938.9	2887.9	1803.8	1103.6	916.1	866.7	865.2	881.7	899.6	902.6
30°	4288.3	3790.5	2573.0	1387.0	908.6	814.2	794.7	803.7	823.2	836.7	841.2
32.5°	4232.8	3663.1	2237.1	1090.1	796.2	742.2	733.2	742.2	754.2	767.7	770.7
35°	4213.3	3570.1	1907.2	889.1	719.7	689.7	683.7	688.2	694.2	701.7	704.7
37.5°	4256.8	3523.6	1562.4	773.7	673.2	655.2	646.2	643.2	644.7	647.7	649.2
40°	4385.8	3544.6	1280.5	706.2	643.2	626.8	611.8	605.8	604.3	607.3	605.8
42.5°	4607.7	3633.1	1076.6	667.2	619.3	595.3	578.8	572.8	572.8	580.3	580.3
45°	4933.1	3807.0	929.6	638.7	598.3	568.3	550.3	547.3	553.3	565.3	566.8
47.5°	5409.9	4061.9	841.2	617.8	578.8	544.3	526.3	524.8	536.8	556.3	557.8
50°	5975.1	4429.3	793.2	602.8	565.3	524.8	506.8	508.3	521.8	542.8	547.3
52.5°	6655.9	4930.1	796.2	596.8	557.8	512.8	494.8	491.8	505.3	526.3	530.8
55°	7359.1	5538.8	854.7	598.3	547.3	506.8	482.8	472.3	484.3	499.3	500.8
57.5°	8132.8	6225.5	1000.1	595.3	533.8	500.8	472.3	448.3	455.8	464.8	469.3
60°	9005.4	7033.7	1313.5	601.3	527.8	487.3	451.3	419.8	418.3	424.3	425.8
62.5°	10172.0	8132.8	1665.8	611.8	541.3	470.8	419.8	386.8	380.8	383.8	385.3
65°	11064.1	8657.6	1554.9	602.8	569.8	458.8	389.8	355.4	343.4	340.4	340.4
67.5°	10701.3	7963.4	1082.6	578.8	583.3	460.3	365.9	322.4	307.4	299.9	298.4
70°	9105.9	6468.4	752.7	554.8	568.3	457.3	340.4	295.4	275.9	265.4	263.9
72.5°	7194.2	4939.1	608.8	506.8	515.8	412.3	302.9	265.4	248.9	235.4	235.4
75°	4630.2	3013.8	508.3	451.3	421.3	320.9	262.4	236.9	220.4	206.9	206.9
77.5°	1557.9	1118.6	394.3	382.3	314.9	241.4	220.4	203.9	190.4	178.4	176.9
80°	632.8	530.8	289.4	289.4	220.4	184.4	172.4	164.9	155.9	140.9	140.9
82.5°	367.4	322.4	202.4	175.4	146.9	127.4	120.0	112.5	112.5	102.0	102.0
85°	176.9	178.4	121.5	108.0	84.0	73.5	70.5	66.0	64.5	58.5	57.0
87.5°	96.0	97.5	61.5	48.0	33.0	28.5	24.0	22.5	21.0	19.5	19.5
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)