

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: P635561

Luminaire Tested: GWS-SA3E-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635561
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-SA3E-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15872 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

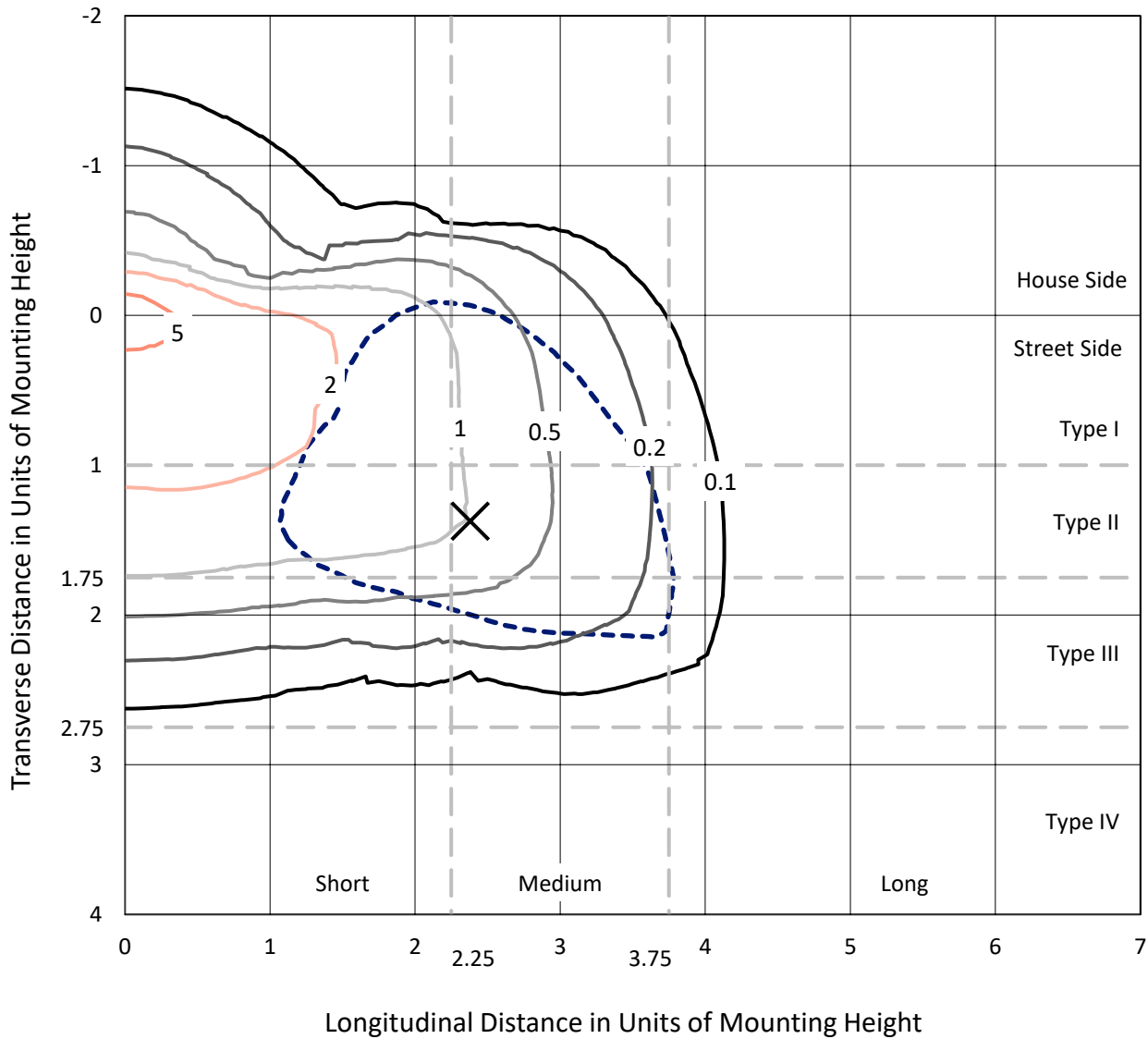
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635561
 CATALOG NUMBER: GWS-SA3E-722-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

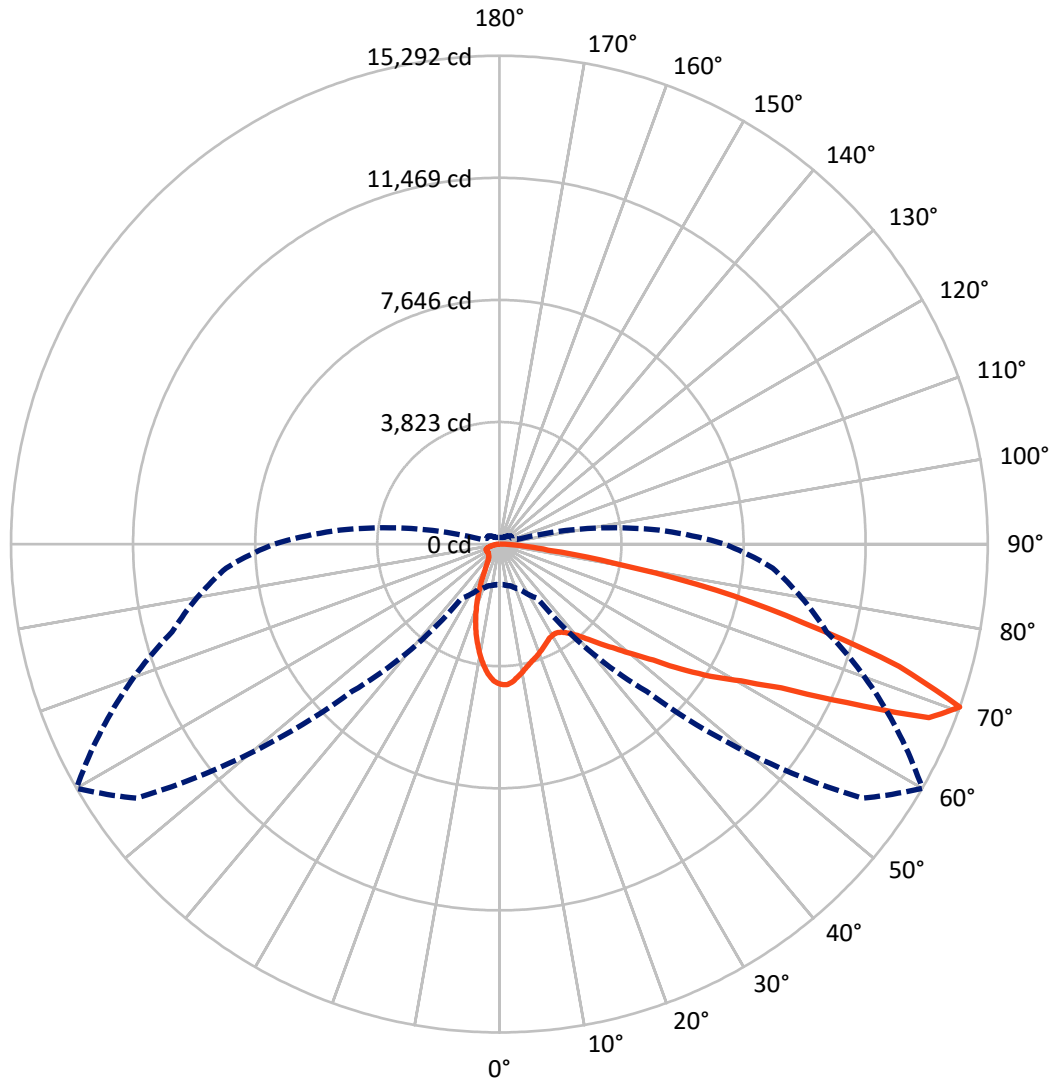
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Medium - N/A

REPORT NUMBER: P635561
CATALOG NUMBER: GWS-SA3E-722-U-SL3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635561

CATALOG NUMBER: GWS-SA3E-722-U-SL3-W

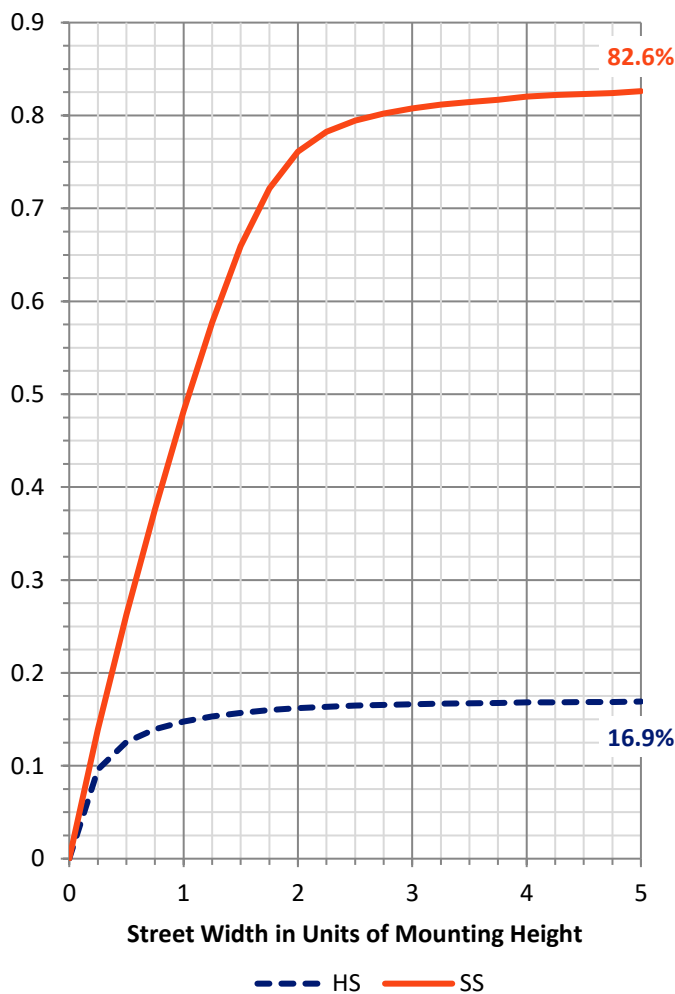
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2714.5	0.0	2714.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	13157.5	0.0	13157.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	15872.0	0.0	15872.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.6	2.4
10°-20°	848.1	5.3
20°-30°	1086.2	6.8
30°-40°	1427.5	9.0
40°-50°	2071.0	13.0
50°-60°	3231.3	20.4
60°-70°	4230.4	26.7
70°-80°	2339.3	14.7
80°-90°	259.6	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°	15872.0	100.0
0°-180°	15872.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635561

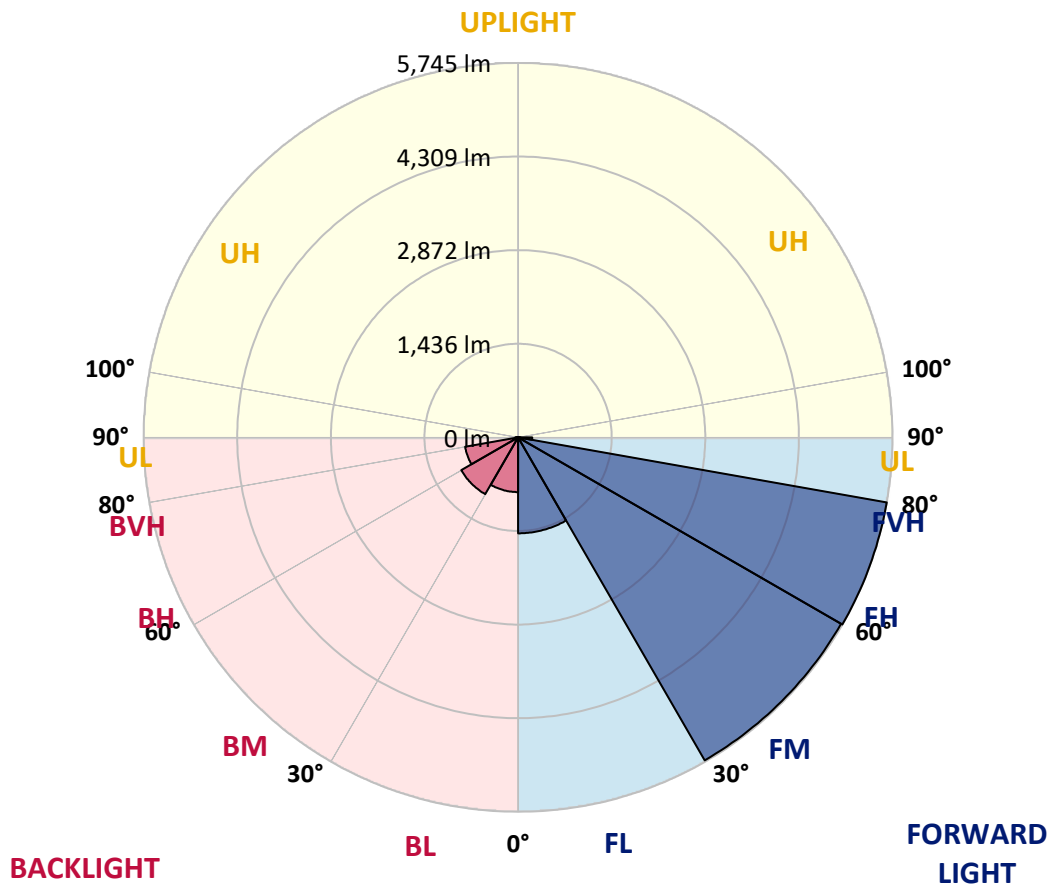
CATALOG NUMBER: GWS-SA3E-722-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1473.0	9.3			
FM (30°-60°)	5723.4	36.1			
FH (60°-80°)	5744.8	36.2			G3/7500
FVH (80°-90°)	216.3	1.4			G2/225
BL (0°-30°)	839.8	5.3	B2/1000		
BM (30°-60°)	1006.4	6.3	B2/2500		
BH (60°-80°)	824.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	43.3	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: P635561
 CATALOG NUMBER: GWS-SA3E-722-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0
2.5°	4330.4	4335.1	4347.9	4366.4	4385.0	4394.3	4417.5	4410.6	4405.9	4396.6	4385.0
5°	4138.8	4148.1	4159.7	4195.7	4236.4	4268.9	4321.1	4327.0	4329.3	4333.9	4315.3
7.5°	3895.0	3897.3	3925.2	3972.8	4026.2	4081.9	4169.0	4193.4	4214.3	4237.5	4222.4
10°	3625.5	3631.3	3652.2	3720.8	3812.5	3895.0	4012.2	4052.9	4097.0	4148.1	4127.2
12.5°	3404.9	3406.1	3439.7	3512.9	3612.8	3724.2	3870.6	3919.3	3977.4	4057.5	4039.0
15°	3229.5	3229.5	3260.9	3323.6	3438.6	3569.8	3744.0	3806.7	3885.7	3993.7	3961.2
17.5°	3090.2	3091.3	3111.1	3177.3	3279.5	3424.6	3631.3	3716.1	3803.2	3946.1	3897.3
20°	3017.0	3011.2	3014.7	3055.3	3142.4	3283.0	3518.7	3617.4	3734.7	3913.5	3839.2
22.5°	3013.5	3003.1	2988.0	2991.5	3042.6	3158.7	3397.9	3517.5	3665.0	3886.8	3780.0
25°	3072.8	3061.2	3034.4	3004.2	2999.6	3069.3	3284.1	3420.0	3593.0	3875.2	3723.1
27.5°	3172.6	3164.5	3129.7	3084.4	3036.8	3034.4	3198.2	3339.9	3540.8	3886.8	3682.4
30°	3305.0	3291.1	3269.0	3211.0	3139.0	3064.6	3164.5	3296.9	3505.9	3924.0	3665.0
32.5°	3454.8	3446.7	3425.8	3367.7	3291.1	3172.6	3191.2	3306.2	3505.9	3989.0	3668.5
35°	3613.9	3612.8	3612.8	3574.4	3489.7	3342.2	3296.9	3385.2	3559.3	4093.5	3705.7
37.5°	3768.4	3767.2	3804.4	3818.3	3721.9	3562.8	3476.9	3543.1	3676.6	4248.0	3797.4
40°	3893.8	3898.4	3979.7	4049.4	3996.0	3848.5	3727.7	3761.4	3867.1	4467.5	3957.7
42.5°	4020.4	4033.2	4155.1	4278.2	4299.1	4171.3	4049.4	4069.1	4140.0	4757.8	4196.9
45°	4158.6	4164.4	4335.1	4507.0	4608.0	4532.5	4432.6	4459.3	4475.6	5116.6	4553.4
47.5°	4292.1	4307.2	4527.9	4763.6	4955.2	4948.2	4892.5	4884.4	4887.9	5553.3	4975.0
50°	4474.4	4496.5	4755.5	5040.0	5321.0	5449.9	5466.2	5404.6	5379.1	6038.7	5499.9
52.5°	4820.5	4820.5	5052.8	5332.6	5710.0	6029.4	6138.6	6037.5	5956.2	6552.0	6057.3
55°	5253.7	5272.2	5456.9	5683.3	6161.8	6639.1	7008.4	6896.9	6666.9	7110.6	6641.4
57.5°	5446.4	5469.7	5762.3	6114.2	6752.9	7332.4	7844.5	7805.0	7469.4	7691.2	7247.6
60°	5098.1	5146.8	5549.8	6139.7	7288.2	8450.7	8811.8	8696.9	8217.3	8300.9	7904.9
62.5°	4252.6	4306.1	4753.1	5576.5	7213.9	9659.6	10336.6	9912.7	9150.9	9070.8	8780.5
65°	2537.4	2535.1	3072.8	4164.4	6297.7	9995.2	12749.8	11958.9	10593.3	10127.6	9681.7
67.5°	1613.0	1609.5	1722.2	2206.4	4191.1	9173.0	14301.3	14506.8	12552.4	10904.5	9756.0
70°	1272.8	1271.6	1352.9	1573.5	2072.9	6527.6	13869.3	15291.8	13735.7	10608.4	8590.0
72.5°	927.9	930.2	1055.6	1318.1	1599.1	3277.2	11230.8	13084.2	12633.6	9364.6	6973.5
75°	666.6	670.1	745.5	1009.2	1474.8	1791.9	7468.2	9838.4	9612.0	7506.6	4797.3
77.5°	423.9	428.5	494.7	707.2	1191.5	1447.0	4527.9	6945.7	6395.2	4229.4	1705.9
80°	259.0	274.1	329.8	527.2	952.3	1085.8	2263.3	3659.2	3202.8	1160.1	573.7
82.5°	133.5	145.2	198.6	326.3	656.1	953.4	1280.9	1537.5	991.7	485.4	305.4
85°	41.8	48.8	69.7	132.4	312.4	591.1	847.7	764.1	455.2	228.8	141.7
87.5°	10.5	10.5	11.6	11.6	12.8	26.7	163.7	173.0	120.8	72.0	58.1
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: P635561
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0	4392.0
2.5°	4361.8	4333.9	4322.3	4321.1	4292.1	4250.3	4222.4	4202.7	4191.1	4188.8	4188.8
5°	4284.0	4248.0	4200.4	4164.4	4086.6	4007.6	3941.4	3904.2	3861.3	3855.5	3854.3
7.5°	4180.6	4128.4	4037.8	3936.8	3800.9	3669.7	3558.2	3482.7	3407.2	3393.3	3388.6
10°	4069.1	3998.3	3843.9	3666.2	3463.0	3266.7	3096.0	2962.4	2874.2	2811.5	2799.9
12.5°	3958.8	3864.8	3638.3	3373.5	3094.8	2826.6	2569.9	2351.6	2193.7	2101.9	2085.7
15°	3855.5	3724.2	3414.2	3076.2	2713.9	2347.0	1983.5	1700.1	1478.3	1399.4	1380.8
17.5°	3761.4	3597.7	3197.0	2768.5	2316.8	1837.2	1423.7	1171.7	1041.7	1002.2	992.9
20°	3667.3	3467.6	2976.4	2444.5	1895.2	1357.5	1040.5	922.1	873.3	858.2	853.5
22.5°	3566.3	3324.8	2736.0	2125.2	1469.0	1016.1	851.2	799.0	783.9	785.0	783.9
25°	3465.3	3179.6	2484.0	1777.9	1093.9	824.5	743.2	723.5	727.0	737.4	739.7
27.5°	3381.7	3050.7	2236.6	1397.0	854.7	709.5	671.2	670.1	682.8	696.8	699.1
30°	3321.3	2935.7	1992.8	1074.2	703.7	630.6	615.5	622.4	637.5	648.0	651.5
32.5°	3278.3	2837.0	1732.6	844.3	616.6	574.8	567.9	574.8	584.1	594.6	596.9
35°	3263.2	2765.0	1477.2	688.6	557.4	534.2	529.5	533.0	537.7	543.5	545.8
37.5°	3296.9	2729.0	1210.1	599.2	521.4	507.5	500.5	498.2	499.4	501.7	502.8
40°	3396.8	2745.3	991.7	547.0	498.2	485.4	473.8	469.2	468.0	470.3	469.2
42.5°	3568.6	2813.8	833.8	516.8	479.6	461.0	448.3	443.6	443.6	449.4	449.4
45°	3820.6	2948.5	720.0	494.7	463.4	440.1	426.2	423.9	428.5	437.8	439.0
47.5°	4189.9	3145.9	651.5	478.5	448.3	421.5	407.6	406.5	415.7	430.8	432.0
50°	4627.7	3430.4	614.3	466.8	437.8	406.5	392.5	393.7	404.1	420.4	423.9
52.5°	5155.0	3818.3	616.6	462.2	432.0	397.2	383.2	380.9	391.4	407.6	411.1
55°	5699.6	4289.8	661.9	463.4	423.9	392.5	373.9	365.8	375.1	386.7	387.9
57.5°	6298.8	4821.7	774.6	461.0	413.4	387.9	365.8	347.2	353.0	360.0	363.5
60°	6974.7	5447.6	1017.3	465.7	408.8	377.4	349.5	325.2	324.0	328.6	329.8
62.5°	7878.2	6298.8	1290.2	473.8	419.2	364.6	325.2	299.6	295.0	297.3	298.5
65°	8569.1	6705.3	1204.3	466.8	441.3	355.4	301.9	275.2	265.9	263.6	263.6
67.5°	8288.1	6167.6	838.4	448.3	451.7	356.5	283.4	249.7	238.1	232.3	231.1
70°	7052.5	5009.8	583.0	429.7	440.1	354.2	263.6	228.8	213.7	205.5	204.4
72.5°	5571.9	3825.3	471.5	392.5	399.5	319.4	234.6	205.5	192.8	182.3	182.3
75°	3586.1	2334.2	393.7	349.5	326.3	248.5	203.2	183.5	170.7	160.3	160.3
77.5°	1206.6	866.3	305.4	296.1	243.9	187.0	170.7	157.9	147.5	138.2	137.0
80°	490.1	411.1	224.1	224.1	170.7	142.8	133.5	127.7	120.8	109.2	109.2
82.5°	284.5	249.7	156.8	135.9	113.8	98.7	92.9	87.1	87.1	79.0	79.0
85°	137.0	138.2	94.1	83.6	65.0	56.9	54.6	51.1	49.9	45.3	44.1
87.5°	74.3	75.5	47.6	37.2	25.5	22.1	18.6	17.4	16.3	15.1	15.1
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)