

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: P635231

Luminaire Tested: GWS-SA3D-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635231
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-SA3D-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17006.7 lumens
Efficiency: N/A
Efficacy: 140.8 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

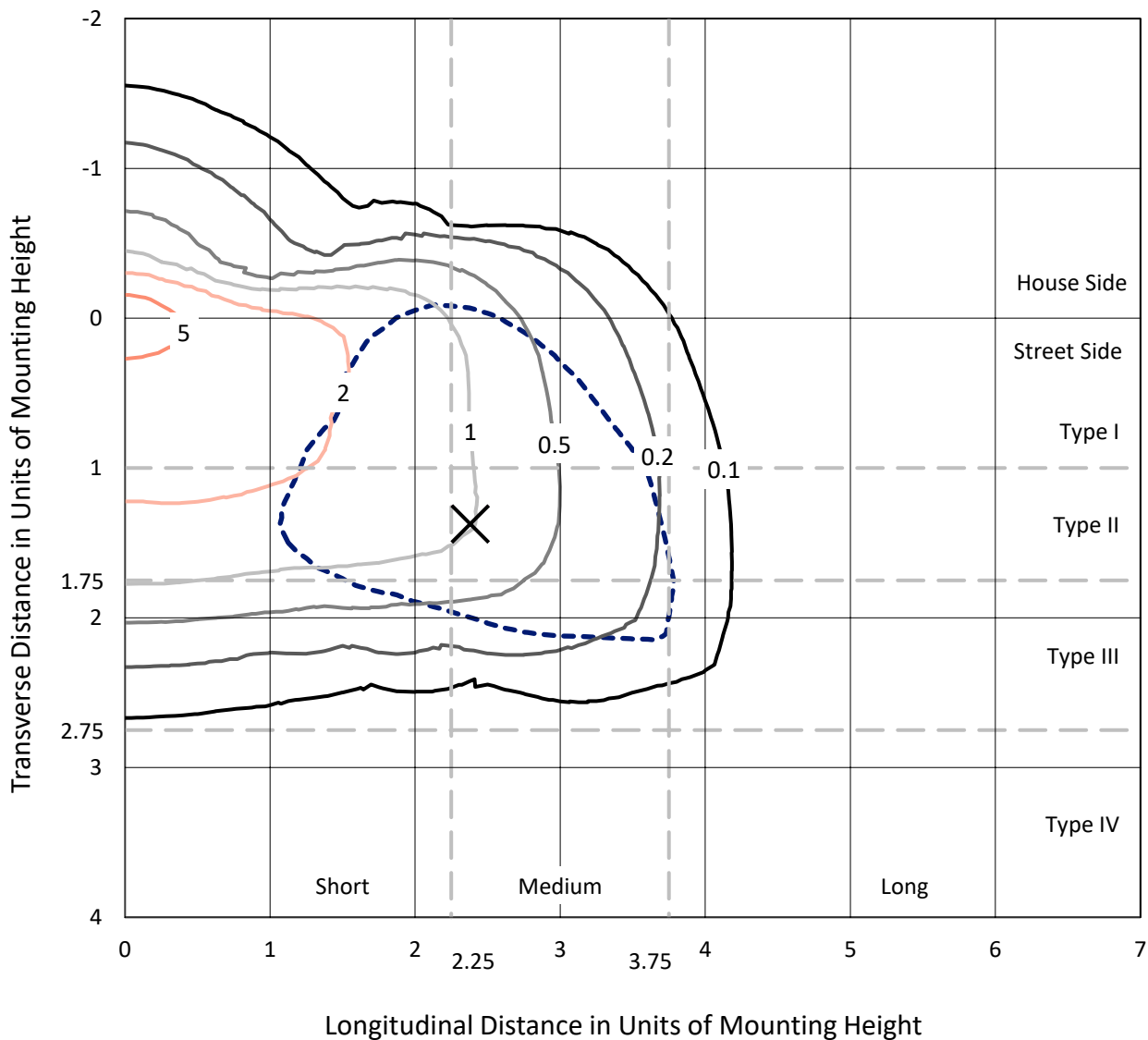
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

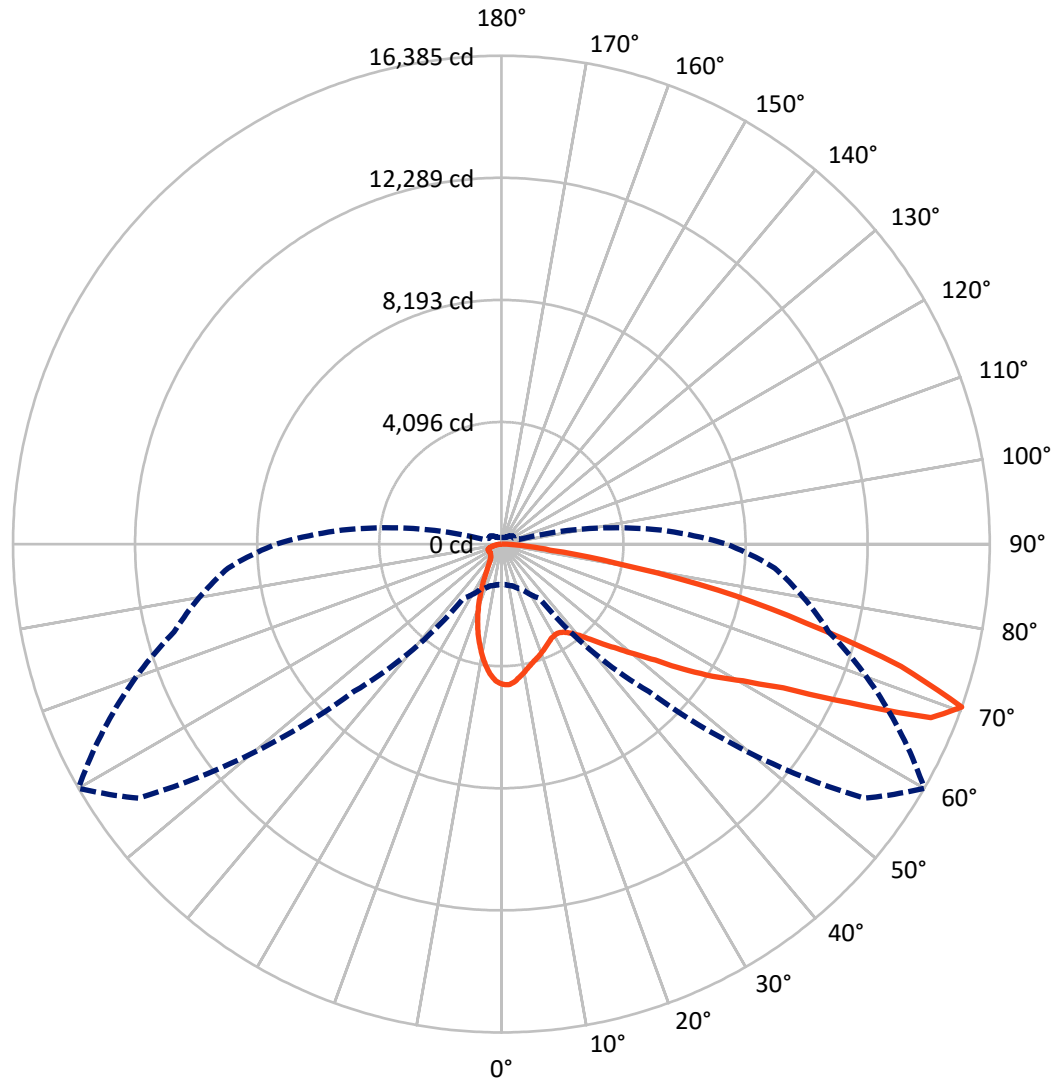
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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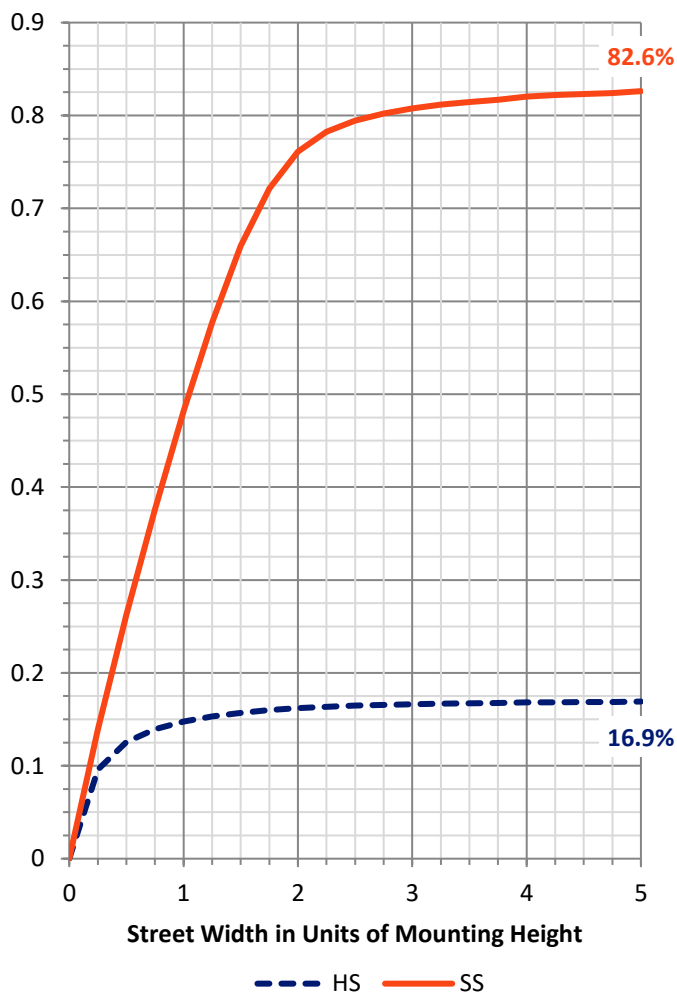
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2908.5	0.0	2908.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	14098.2	0.0	14098.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	17006.7	0.0	17006.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.6	2.4
10°-20°	908.8	5.3
20°-30°	1163.8	6.8
30°-40°	1529.5	9.0
40°-50°	2219.1	13.0
50°-60°	3462.3	20.4
60°-70°	4532.9	26.7
70°-80°	2506.5	14.7
80°-90°	278.2	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°	17006.7	100.0
0°-180°	17006.7	100.0

Coefficient of Utilization



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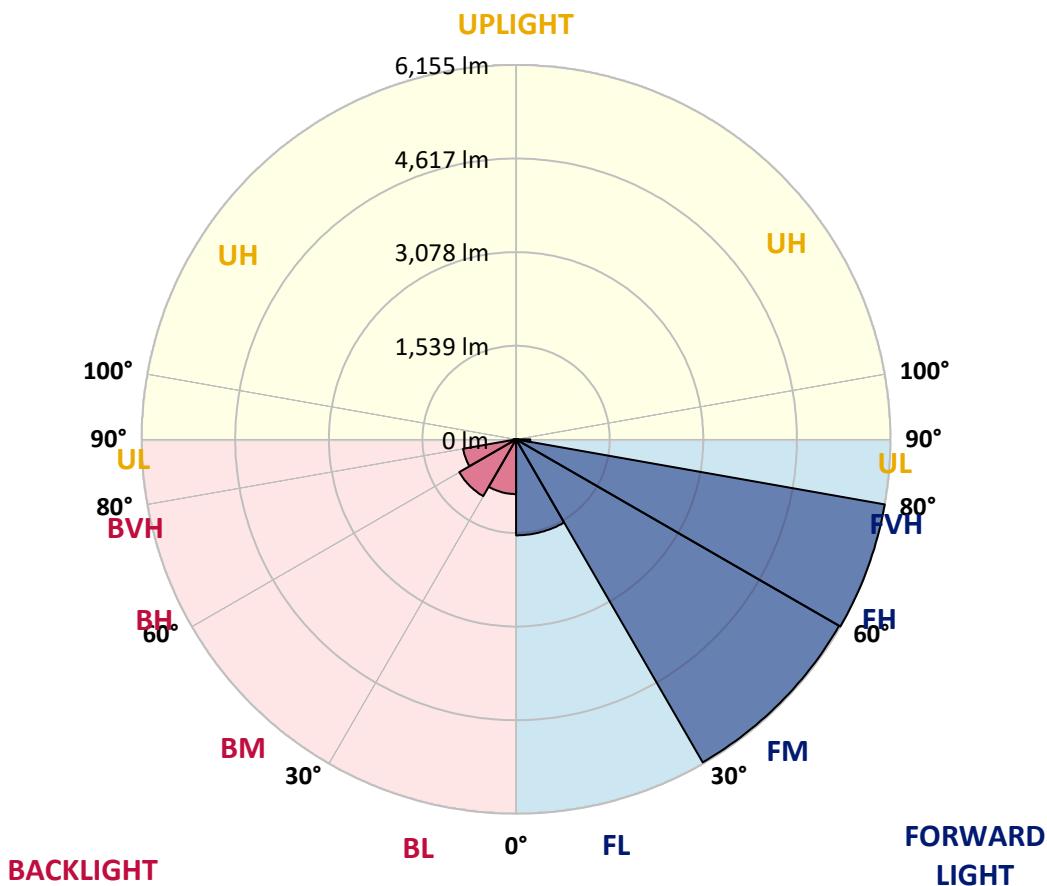
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1578.3	9.3			
FM (30°-60°)	6132.6	36.1			
FH (60°-80°)	6155.5	36.2			G3/7500
FVH (80°-90°)	231.8	1.4			G3/500
BL (0°-30°)	899.9	5.3	B2/1000		
BM (30°-60°)	1078.4	6.3	B2/2500		
BH (60°-80°)	883.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	46.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0
2.5°	4640.0	4645.0	4658.7	4678.6	4698.5	4708.5	4733.3	4725.9	4720.9	4711.0	4698.5
5°	4434.7	4444.7	4457.1	4495.7	4539.2	4574.1	4630.1	4636.3	4638.8	4643.8	4623.8
7.5°	4173.4	4175.9	4205.8	4256.8	4314.0	4373.7	4467.1	4493.2	4515.6	4540.5	4524.3
10°	3884.7	3891.0	3913.3	3986.8	4085.1	4173.4	4299.1	4342.6	4389.9	4444.7	4422.3
12.5°	3648.3	3649.6	3685.6	3764.0	3871.0	3990.5	4147.3	4199.5	4261.8	4347.6	4327.7
15°	3460.4	3460.4	3494.0	3561.2	3684.4	3825.0	4011.6	4078.8	4163.5	4279.2	4244.3
17.5°	3311.1	3312.3	3333.5	3404.4	3513.9	3669.5	3891.0	3981.8	4075.1	4228.2	4175.9
20°	3232.7	3226.5	3230.2	3273.8	3367.1	3517.7	3770.3	3876.0	4001.7	4193.3	4113.7
22.5°	3229.0	3217.8	3201.6	3205.3	3260.1	3384.5	3640.8	3769.0	3927.0	4164.7	4050.2
25°	3292.4	3280.0	3251.4	3219.0	3214.0	3288.7	3518.9	3664.5	3849.9	4152.3	3989.3
27.5°	3399.5	3390.7	3353.4	3304.9	3253.9	3251.4	3426.8	3578.6	3793.9	4164.7	3945.7
30°	3541.3	3526.4	3502.7	3440.5	3363.4	3283.7	3390.7	3532.6	3756.6	4204.5	3927.0
32.5°	3701.8	3693.1	3670.7	3608.5	3526.4	3399.5	3419.4	3542.5	3756.6	4274.2	3930.8
35°	3872.3	3871.0	3871.0	3830.0	3739.1	3581.1	3532.6	3627.2	3813.8	4386.2	3970.6
37.5°	4037.8	4036.5	4076.4	4091.3	3988.0	3817.5	3725.5	3796.4	3939.5	4551.7	4068.9
40°	4172.2	4177.1	4264.2	4338.9	4281.7	4123.6	3994.2	4030.3	4143.5	4786.9	4240.6
42.5°	4307.8	4321.5	4452.1	4584.0	4606.4	4469.6	4338.9	4360.1	4436.0	5097.9	4496.9
45°	4455.9	4462.1	4645.0	4829.2	4937.4	4856.5	4749.5	4778.1	4795.6	5482.4	4878.9
47.5°	4599.0	4615.1	4851.6	5104.2	5309.5	5302.0	5242.3	5233.6	5237.3	5950.3	5330.6
50°	4794.3	4818.0	5095.4	5400.3	5701.4	5839.5	5857.0	5791.0	5763.6	6470.4	5893.0
52.5°	5165.1	5165.1	5414.0	5713.9	6118.3	6460.4	6577.4	6469.2	6382.1	7020.4	6490.3
55°	5629.3	5649.2	5847.0	6089.6	6602.3	7113.7	7509.4	7389.9	7143.6	7618.9	7116.2
57.5°	5835.8	5860.7	6174.3	6551.3	7235.7	7856.6	8405.3	8363.0	8003.4	8241.1	7765.7
60°	5462.5	5514.8	5946.5	6578.7	7809.3	9054.8	9441.8	9318.6	8804.7	8894.3	8470.0
62.5°	4556.7	4613.9	5093.0	5975.2	7729.6	10350.2	11075.6	10621.4	9805.1	9719.3	9408.2
65°	2718.8	2716.3	3292.4	4462.1	6747.9	10709.8	13661.3	12813.9	11350.6	10851.6	10373.8
67.5°	1728.3	1724.6	1845.3	2364.2	4490.7	9828.8	15323.7	15543.9	13449.7	11684.1	10453.4
70°	1363.8	1362.5	1449.6	1686.0	2221.1	6994.3	14860.8	16385.1	14717.7	11366.8	9204.1
72.5°	994.2	996.7	1131.1	1412.3	1713.4	3511.4	12033.7	14019.6	13536.8	10034.1	7472.1
75°	714.2	718.0	798.8	1081.3	1580.3	1920.0	8002.1	10541.8	10299.1	8043.2	5140.2
77.5°	454.2	459.1	530.1	757.8	1276.7	1550.4	4851.6	7442.2	6852.4	4531.8	1827.9
80°	277.5	293.7	353.4	564.9	1020.3	1163.4	2425.2	3920.8	3431.8	1243.1	614.7
82.5°	143.1	155.5	212.8	349.7	703.0	1021.6	1372.5	1647.5	1062.6	520.1	327.3
85°	44.8	52.3	74.7	141.9	334.7	633.4	908.3	818.8	487.8	245.1	151.8
87.5°	11.2	11.2	12.4	12.4	13.7	28.6	175.4	185.4	129.4	77.1	62.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0	4706.0
2.5°	4673.6	4643.8	4631.3	4630.1	4599.0	4554.2	4524.3	4503.2	4490.7	4488.2	4488.2
5°	4590.3	4551.7	4500.7	4462.1	4378.7	4294.1	4223.2	4183.4	4137.3	4131.1	4129.9
7.5°	4479.5	4423.5	4326.5	4218.2	4072.6	3932.0	3812.6	3731.7	3650.8	3635.9	3630.9
10°	4360.1	4284.2	4118.7	3928.3	3710.5	3500.2	3317.3	3174.2	3079.7	3012.5	3000.0
12.5°	4241.8	4141.1	3898.4	3614.7	3316.1	3028.6	2753.7	2519.7	2350.5	2252.2	2234.8
15°	4131.1	3990.5	3658.3	3296.2	2907.9	2514.7	2125.3	1821.7	1584.0	1499.4	1479.5
17.5°	4030.3	3854.9	3425.6	2966.4	2482.4	1968.5	1525.5	1255.5	1116.1	1073.8	1063.9
20°	3929.5	3715.5	3189.2	2619.3	2030.7	1454.6	1114.9	988.0	935.7	919.5	914.6
22.5°	3821.3	3562.5	2931.6	2277.1	1574.0	1088.8	912.1	856.1	839.9	841.2	839.9
25°	3713.0	3406.9	2661.6	1905.0	1172.1	883.5	796.4	775.2	778.9	790.1	792.6
27.5°	3623.4	3268.8	2396.5	1496.9	915.8	760.3	719.2	718.0	731.7	746.6	749.1
30°	3558.7	3145.6	2135.2	1151.0	754.1	675.7	659.5	666.9	683.1	694.3	698.1
32.5°	3512.7	3039.8	1856.5	904.6	660.7	615.9	608.5	615.9	625.9	637.1	639.6
35°	3496.5	2962.7	1582.8	737.9	597.3	572.4	567.4	571.1	576.1	582.3	584.8
37.5°	3532.6	2924.1	1296.6	642.1	558.7	543.8	536.3	533.8	535.1	537.5	538.8
40°	3639.6	2941.5	1062.6	586.1	533.8	520.1	507.7	502.7	501.5	503.9	502.7
42.5°	3823.8	3015.0	893.4	553.7	513.9	494.0	480.3	475.3	475.3	481.5	481.5
45°	4093.8	3159.3	771.5	530.1	496.5	471.6	456.7	454.2	459.1	469.1	470.3
47.5°	4489.5	3370.8	698.1	512.7	480.3	451.7	436.8	435.5	445.5	461.6	462.9
50°	4958.6	3675.7	658.2	500.2	469.1	435.5	420.6	421.8	433.0	450.4	454.2
52.5°	5523.5	4091.3	660.7	495.2	462.9	425.6	410.6	408.1	419.3	436.8	440.5
55°	6107.1	4596.5	709.3	496.5	454.2	420.6	400.7	392.0	401.9	414.4	415.6
57.5°	6749.1	5166.4	830.0	494.0	443.0	415.6	392.0	372.0	378.3	385.7	389.5
60°	7473.3	5837.1	1090.0	499.0	438.0	404.4	374.5	348.4	347.2	352.1	353.4
62.5°	8441.4	6749.1	1382.4	507.7	449.2	390.7	348.4	321.0	316.1	318.5	319.8
65°	9181.8	7184.6	1290.3	500.2	472.8	380.8	323.5	294.9	284.9	282.5	282.5
67.5°	8880.6	6608.5	898.4	480.3	484.0	382.0	303.6	267.5	255.1	248.9	247.6
70°	7556.7	5367.9	624.6	460.4	471.6	379.5	282.5	245.1	229.0	220.2	219.0
72.5°	5970.2	4098.8	505.2	420.6	428.0	342.2	251.4	220.2	206.6	195.4	195.4
75°	3842.4	2501.1	421.8	374.5	349.7	266.3	217.8	196.6	182.9	171.7	171.7
77.5°	1292.8	928.3	327.3	317.3	261.3	200.3	182.9	169.2	158.0	148.1	146.8
80°	525.1	440.5	240.2	240.2	182.9	153.0	143.1	136.9	129.4	117.0	117.0
82.5°	304.9	267.5	168.0	145.6	121.9	105.8	99.5	93.3	93.3	84.6	84.6
85°	146.8	148.1	100.8	89.6	69.7	61.0	58.5	54.7	53.5	48.5	47.3
87.5°	79.6	80.9	51.0	39.8	27.4	23.6	19.9	18.7	17.4	16.2	16.2
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)