

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: P642517

Luminaire Tested: GWS-SA6D-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20655.6 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

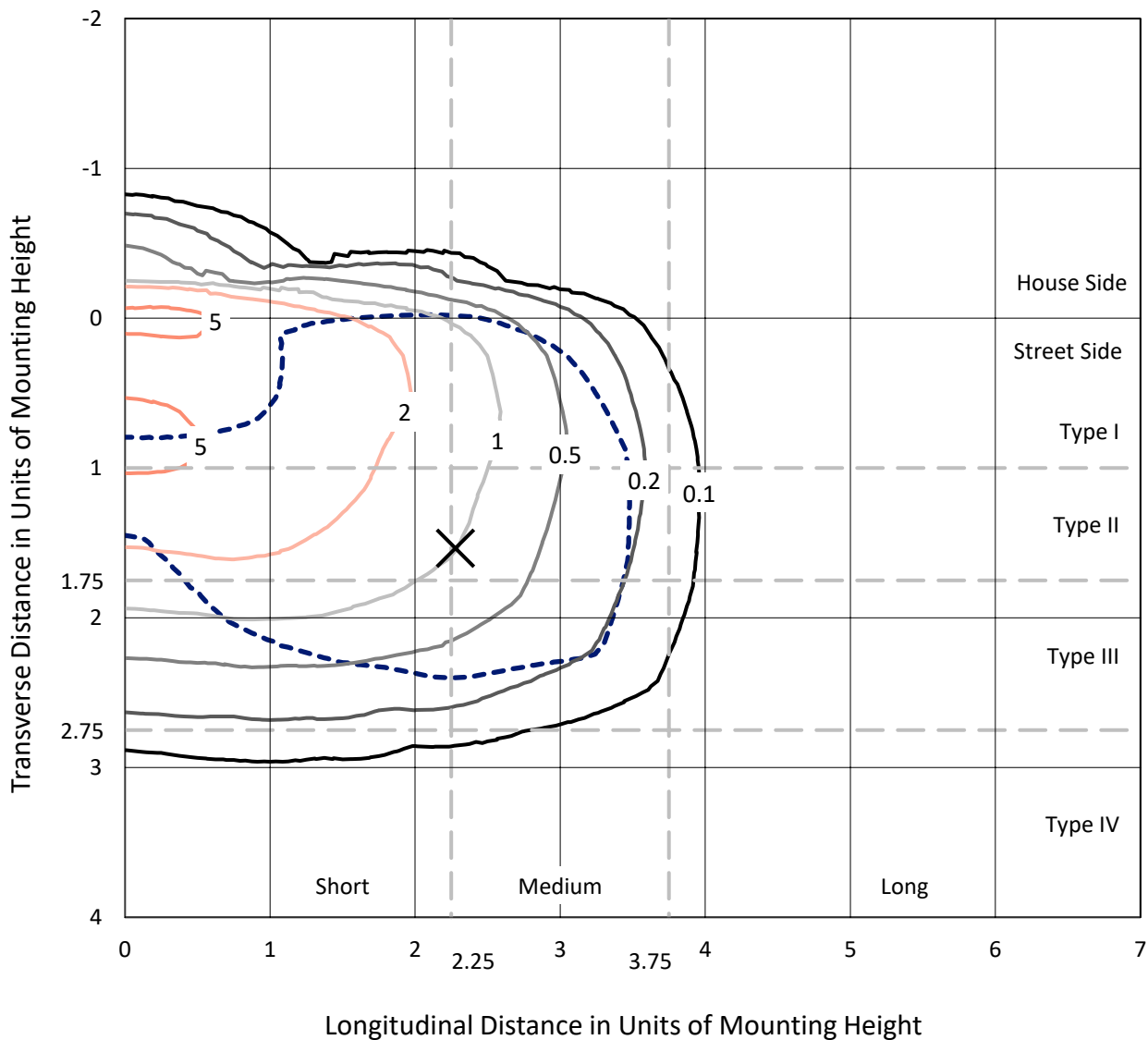
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

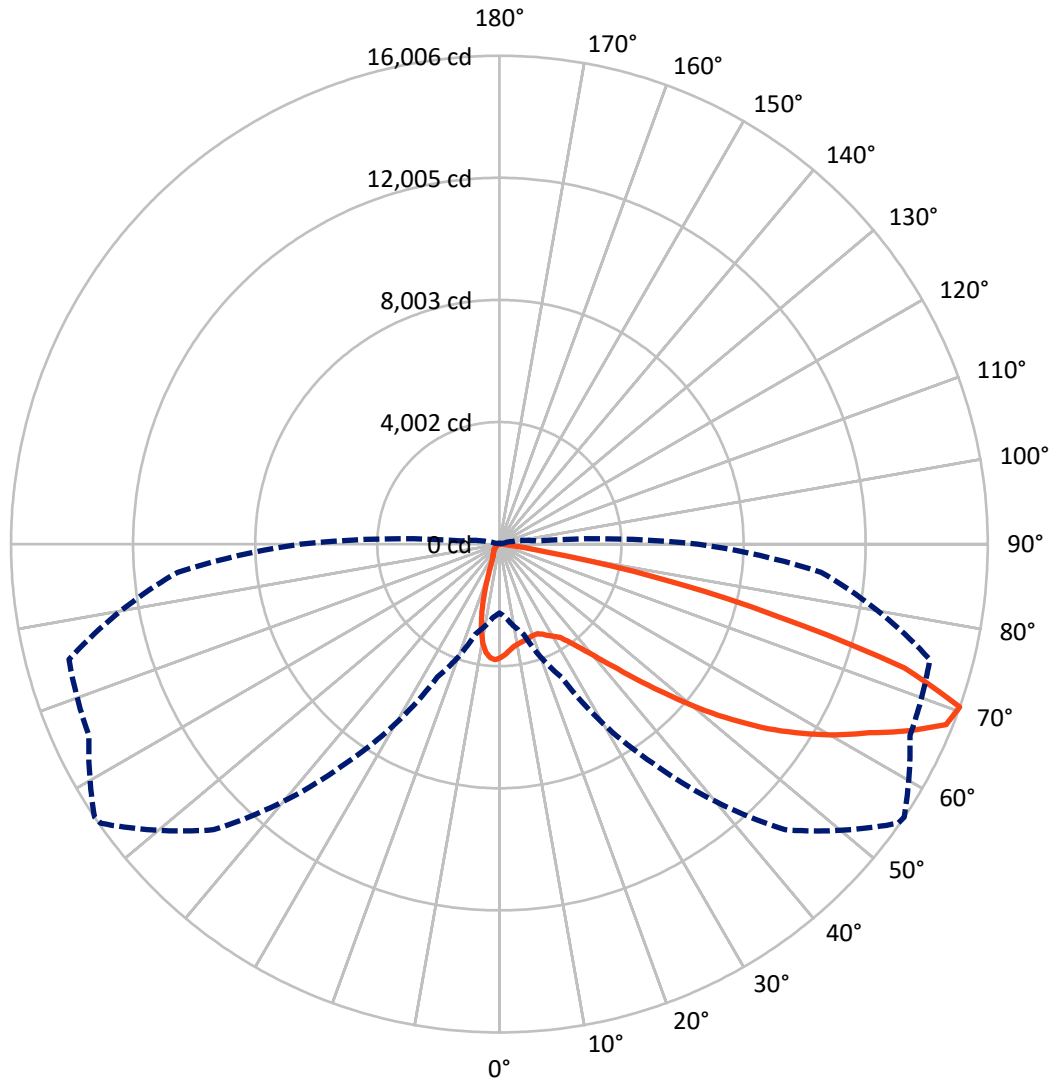
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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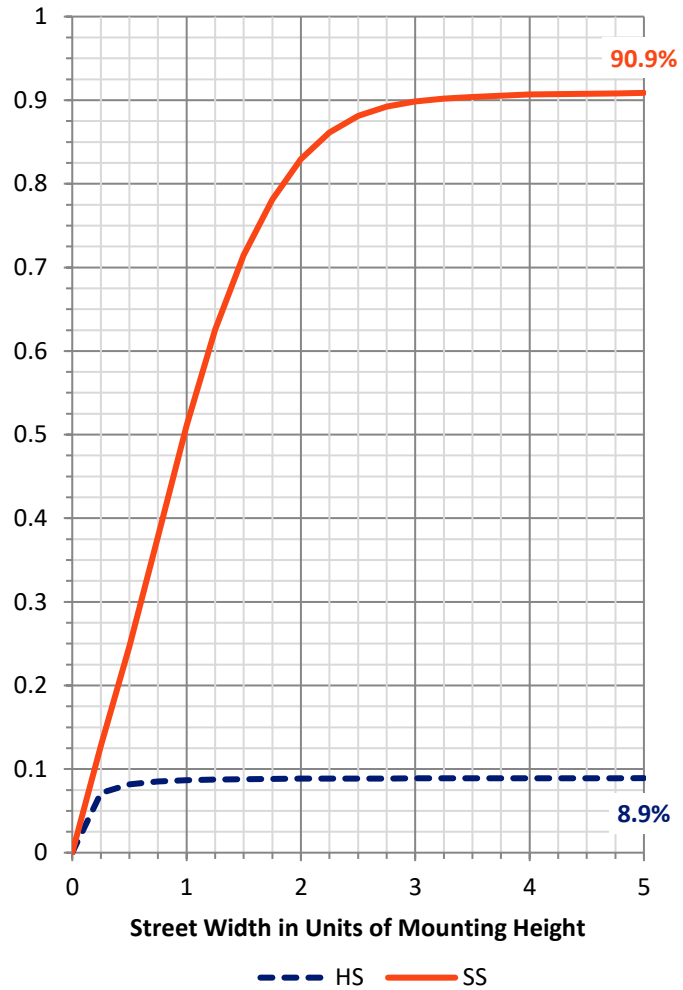
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1855.3	0.0	1855.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	18800.3	0.0	18800.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	20655.6	0.0	20655.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.8	1.5
10°-20°	719.2	3.5
20°-30°	1139.2	5.5
30°-40°	1964.6	9.5
40°-50°	3317.5	16.1
50°-60°	4874.5	23.6
60°-70°	5779.0	28.0
70°-80°	2464.4	11.9
80°-90°	77.4	0.4
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°	20655.6	100.0
0°-180°	20655.6	100.0

Coefficient of Utilization



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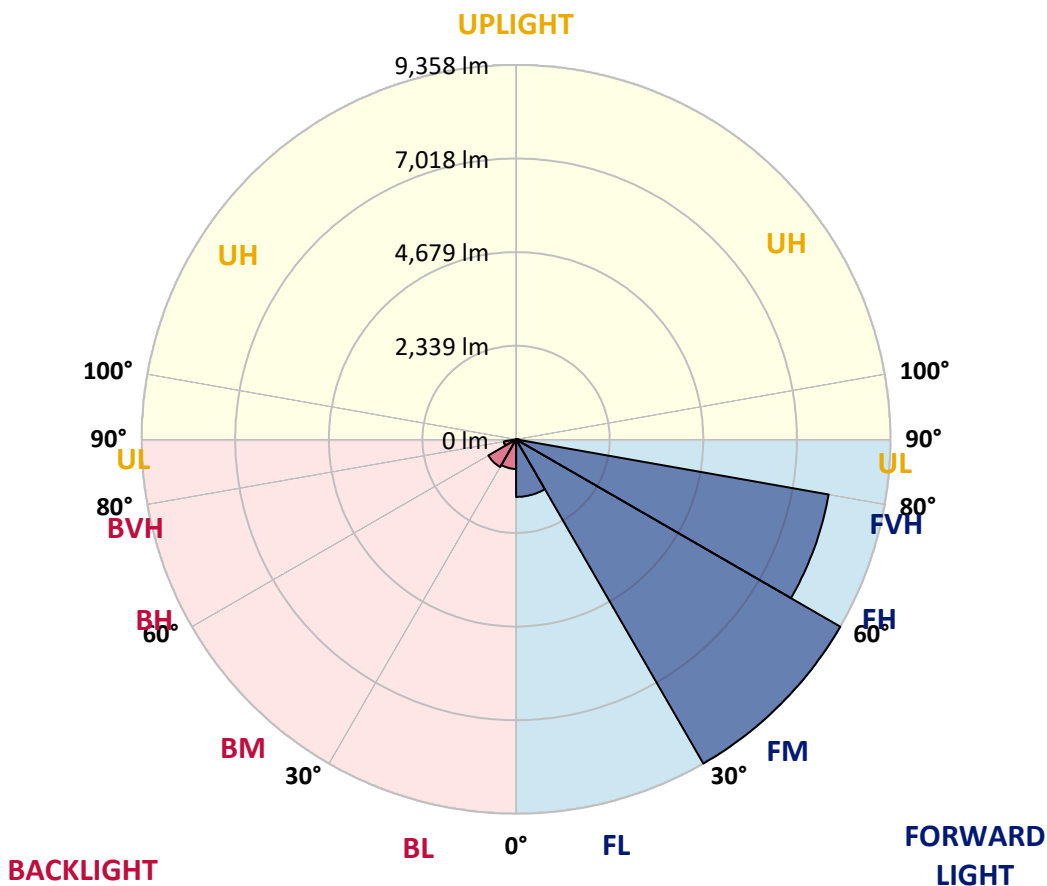
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1439.3	7.0			
FM (30°-60°)	9357.5	45.3			
FH (60°-80°)	7934.0	38.4			G4/12000
FVH (80°-90°)	69.5	0.3			G1/100
BL (0°-30°)	738.9	3.6	B2/1000		
BM (30°-60°)	799.1	3.9	B1/1000		
BH (60°-80°)	309.4	1.5	B1/500		G1/500
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4
2.5°	3467.2	3461.5	3465.3	3493.6	3546.6	3571.2	3612.8	3620.4	3654.4	3697.9	3715.0
5°	3242.1	3223.2	3232.6	3272.3	3332.9	3401.0	3478.5	3499.3	3584.4	3680.9	3752.8
7.5°	3035.9	3015.1	3037.8	3100.2	3185.3	3259.1	3374.5	3387.7	3523.9	3694.1	3824.7
10°	2712.4	2718.1	2763.5	2873.2	3003.7	3157.0	3312.1	3331.0	3499.3	3737.7	3940.0
12.5°	2464.7	2451.4	2500.6	2625.4	2808.9	3032.1	3264.8	3289.4	3501.2	3803.9	4087.6
15°	2349.3	2345.5	2366.3	2457.1	2634.9	2897.8	3221.3	3253.4	3525.8	3864.4	4227.6
17.5°	2353.1	2347.4	2345.5	2398.5	2530.9	2797.6	3174.0	3215.6	3546.6	3930.6	4375.1
20°	2517.6	2491.1	2443.9	2419.3	2498.7	2733.3	3141.8	3189.1	3576.9	4000.6	4532.1
22.5°	2861.9	2871.3	2744.6	2612.2	2574.4	2740.8	3138.0	3192.9	3643.1	4110.3	4725.0
25°	3550.4	3535.3	3300.7	3003.7	2797.6	2827.8	3204.2	3270.4	3773.6	4267.3	4906.6
27.5°	4412.9	4426.2	4104.6	3631.7	3200.5	3007.5	3325.3	3391.5	3924.9	4365.6	5027.7
30°	5353.0	5339.8	4995.5	4471.6	3771.7	3306.4	3446.4	3505.0	4000.6	4418.6	5152.5
32.5°	6242.0	6211.8	5871.3	5322.8	4499.9	3777.4	3612.8	3646.9	4100.8	4534.0	5320.9
35°	7000.5	6998.6	6701.7	6117.2	5249.0	4367.5	3898.4	3926.8	4288.1	4717.5	5568.6
37.5°	7783.6	7757.1	7424.2	6890.8	6018.8	5014.4	4335.4	4324.0	4583.2	4988.0	5873.2
40°	8426.7	8409.7	8154.4	7641.8	6818.9	5729.4	4865.0	4831.0	4933.1	5362.5	6296.9
42.5°	8903.4	8905.3	8825.9	8513.8	7666.4	6556.0	5530.8	5477.9	5476.0	5928.0	6856.8
45°	9264.7	9289.3	9408.4	9361.2	8667.0	7518.8	6383.9	6329.0	6236.4	6662.0	7498.0
47.5°	9433.0	9465.2	9824.6	10013.7	9542.7	8474.0	7399.6	7284.3	7102.7	7638.0	8214.9
50°	9416.0	9472.8	9974.0	10549.0	10337.2	9442.5	8506.2	8451.3	8154.4	8670.8	8924.2
52.5°	9030.1	9151.2	9983.5	10874.4	10948.1	10335.3	9650.6	9548.4	9404.7	9748.9	9590.0
55°	7982.2	8129.8	9584.4	10978.4	11424.8	11114.6	10770.3	10687.1	10448.8	10766.6	10170.7
57.5°	7412.9	7539.6	8744.5	10927.3	11829.6	11835.3	11767.2	11699.1	11502.4	11772.9	10851.7
60°	7070.5	7197.3	8296.2	10740.1	12196.6	12595.7	12703.5	12695.9	12412.2	12917.2	11649.9
62.5°	6569.3	6743.3	7829.0	10254.0	12457.6	13344.7	13670.1	13619.0	13303.1	14108.9	12440.6
65°	5557.3	5708.6	6871.9	9451.9	12304.4	13965.1	14718.0	14744.4	14379.4	15230.6	13064.8
67.5°	3896.5	4008.1	5163.9	7768.5	11264.0	14169.4	15790.4	15788.6	15166.2	15805.6	12788.6
70°	2258.5	2411.7	3051.0	4802.6	8763.4	13240.7	15951.2	16006.1	14846.6	14604.5	10583.1
72.5°	873.9	1000.6	1728.9	2551.7	4569.9	10142.4	13721.1	13881.9	12425.4	11265.9	7365.6
75°	261.0	291.3	813.4	1358.1	1834.8	4899.0	9289.3	9334.7	8523.2	7027.0	3775.5
77.5°	194.8	215.6	355.6	686.6	643.1	1484.8	4806.4	5249.0	4524.5	2510.1	1040.3
80°	132.4	157.0	253.5	334.8	238.3	395.3	1350.5	1483.0	1380.8	563.7	261.0
82.5°	58.6	75.7	179.7	168.3	87.0	113.5	416.1	442.6	285.6	170.2	90.8
85°	5.7	7.6	68.1	73.8	32.2	26.5	87.0	87.0	62.4	58.6	37.8
87.5°	0.0	0.0	1.9	3.8	3.8	5.7	7.6	9.5	11.3	15.1	18.9
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°	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4	3724.4
2.5°	3758.5	3735.8	3764.1	3786.8	3792.5	3750.9	3726.3	3690.4	3682.8	3684.7	3675.2
5°	3809.5	3798.2	3819.0	3794.4	3730.1	3609.0	3505.0	3389.6	3327.2	3291.3	3287.5
7.5°	3904.1	3898.4	3875.7	3764.1	3563.6	3295.0	3035.9	2782.4	2625.4	2568.7	2559.2
10°	4044.1	4032.7	3940.0	3675.2	3247.7	2731.4	2296.3	1933.1	1711.8	1647.5	1568.1
12.5°	4204.9	4182.2	3979.8	3484.2	2771.1	2056.1	1513.2	1106.5	915.5	858.8	858.8
15°	4360.0	4310.8	3957.1	3168.3	2184.7	1337.3	845.5	639.3	580.7	565.6	565.6
17.5°	4518.9	4424.3	3868.2	2737.0	1509.4	790.7	563.7	524.0	516.4	518.3	520.2
20°	4668.3	4520.7	3711.2	2218.8	962.8	552.3	505.0	495.6	491.8	495.6	493.7
22.5°	4831.0	4609.6	3472.8	1653.2	626.1	497.5	480.4	472.9	469.1	474.8	474.8
25°	4991.7	4674.0	3157.0	1112.2	497.5	463.4	454.0	446.4	442.6	444.5	444.5
27.5°	5075.0	4649.4	2742.7	709.3	446.4	429.4	419.9	410.5	404.8	402.9	404.8
30°	5131.7	4573.7	2235.8	505.0	404.8	384.0	374.5	367.0	351.8	342.4	346.1
32.5°	5220.6	4498.0	1685.3	423.7	370.7	338.6	323.5	304.5	283.7	274.3	274.3
35°	5326.5	4394.0	1182.2	382.1	334.8	300.8	272.4	240.2	215.6	208.1	208.1
37.5°	5466.5	4295.7	786.9	353.7	304.5	268.6	228.9	191.0	164.6	160.8	158.9
40°	5676.5	4212.4	554.2	332.9	278.1	234.5	187.3	147.5	128.6	122.9	122.9
42.5°	5948.8	4127.3	438.8	312.1	255.4	202.4	149.4	117.3	102.1	98.4	96.5
45°	6285.5	4027.1	382.1	293.2	232.7	168.3	119.2	98.4	87.0	83.2	83.2
47.5°	6650.6	3890.9	355.6	268.6	206.2	136.2	100.3	85.1	79.4	77.6	75.7
50°	7010.0	3707.4	332.9	245.9	175.9	111.6	87.0	77.6	73.8	71.9	71.9
52.5°	7324.0	3493.6	304.5	219.4	143.8	96.5	77.6	71.9	68.1	64.3	62.4
55°	7592.6	3261.0	268.6	189.2	117.3	85.1	71.9	66.2	62.4	58.6	56.7
57.5°	7938.7	3128.6	215.6	153.2	96.5	75.7	66.2	60.5	56.7	51.1	51.1
60°	8322.7	3032.1	160.8	121.1	83.2	70.0	60.5	54.9	51.1	45.4	45.4
62.5°	8631.0	2888.4	126.7	98.4	71.9	62.4	54.9	49.2	45.4	39.7	39.7
65°	8748.3	2591.4	104.0	77.6	58.6	54.9	49.2	45.4	39.7	34.0	34.0
67.5°	8218.7	1997.5	87.0	62.4	49.2	47.3	43.5	41.6	34.0	30.3	28.4
70°	6508.7	1218.1	71.9	51.1	41.6	39.7	39.7	35.9	30.3	28.4	26.5
72.5°	4460.2	628.0	58.6	41.6	35.9	35.9	34.0	32.2	28.4	26.5	26.5
75°	2317.1	210.0	45.4	32.2	28.4	30.3	30.3	28.4	26.5	26.5	24.6
77.5°	663.9	94.6	34.0	24.6	22.7	22.7	24.6	24.6	24.6	22.7	22.7
80°	172.1	54.9	24.6	18.9	18.9	18.9	18.9	20.8	22.7	20.8	20.8
82.5°	70.0	30.3	17.0	15.1	15.1	15.1	15.1	17.0	18.9	18.9	18.9
85°	43.5	15.1	13.2	13.2	13.2	11.3	11.3	13.2	13.2	15.1	15.1
87.5°	26.5	11.3	11.3	11.3	11.3	9.5	9.5	9.5	9.5	9.5	9.5
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)