

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: P641723

Luminaire Tested: GWS-SA6B-740-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-740-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

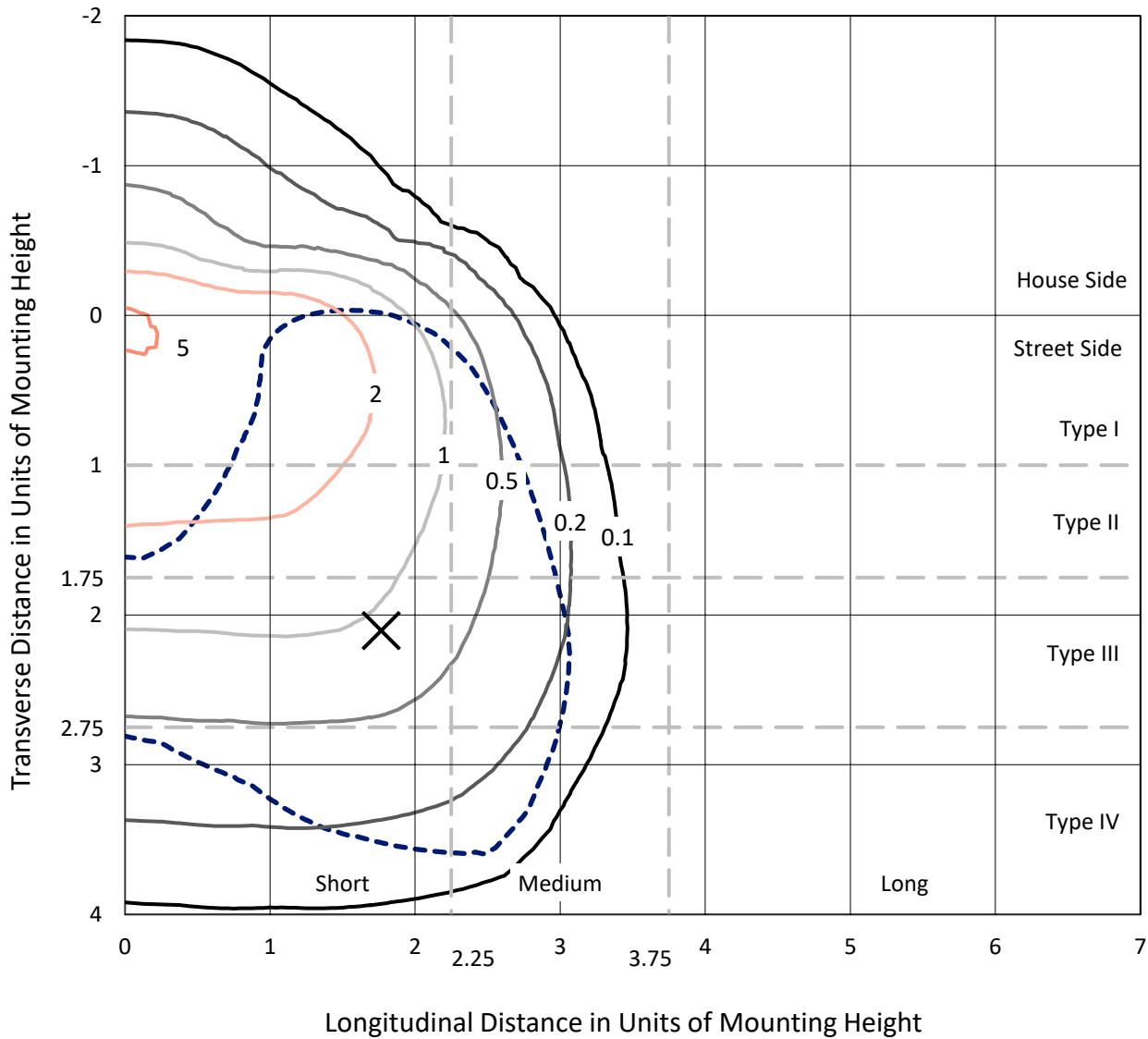
Lumens per Lamp: N/A  
Luminaire Lumens: 20334 lumens  
Efficiency: N/A  
Efficacy: 146.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P641723  
 CATALOG NUMBER: GWS-SA6B-740-U-SL4-W

### Iso-Footcandle Lines of Horizontal Illumination

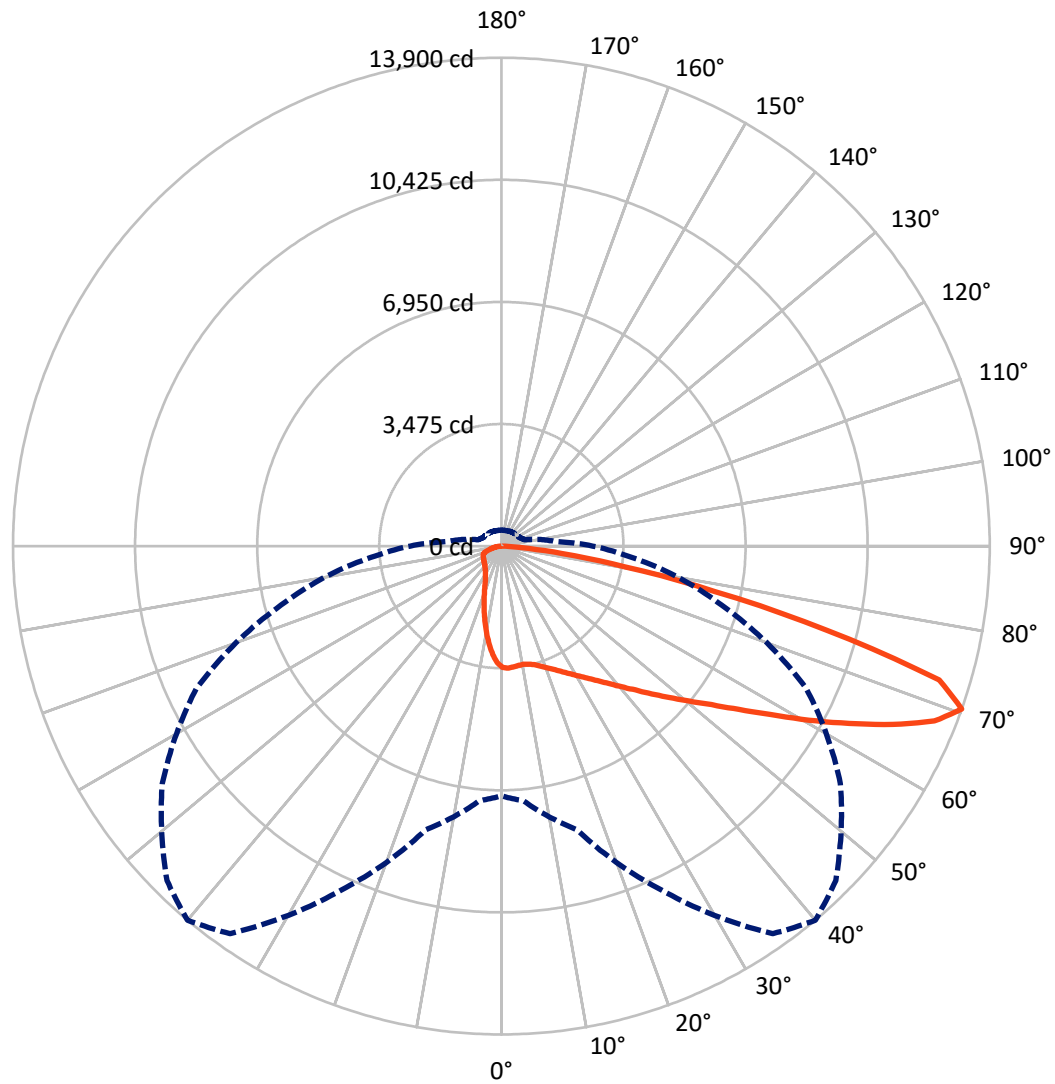
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P641723  
CATALOG NUMBER: GWS-SA6B-740-U-SL4-W

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P641723

CATALOG NUMBER: GWS-SA6B-740-U-SL4-W

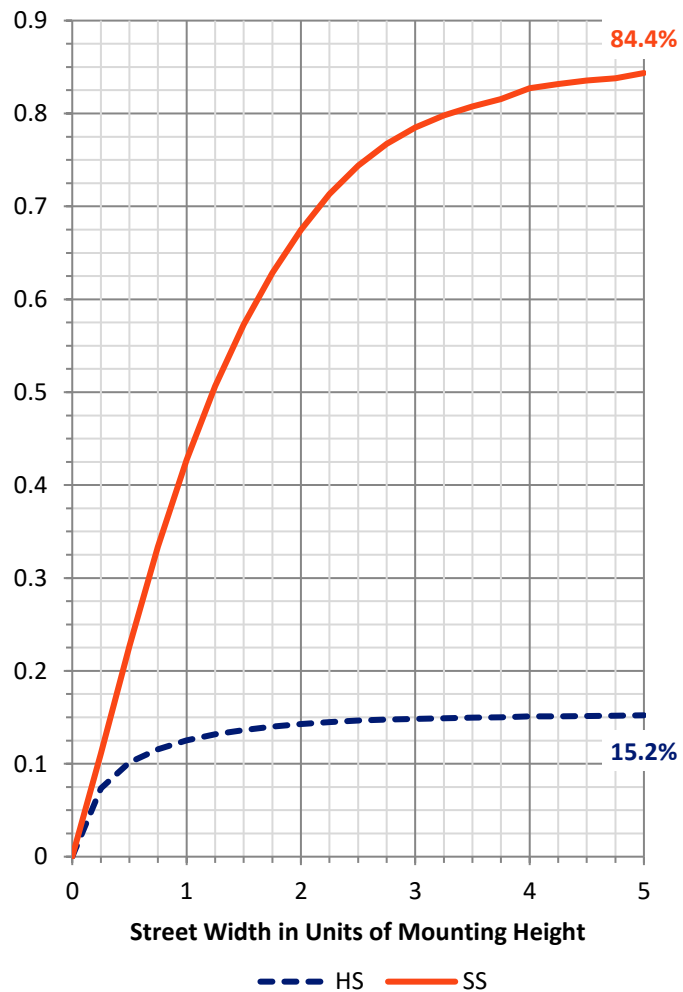
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3132.0	0.0	3132.0
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	17202.0	0.0	17202.0
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	20334.0	0.0	20334.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.0	1.5
10°-20°	795.1	3.9
20°-30°	1248.5	6.1
30°-40°	1877.1	9.2
40°-50°	2897.4	14.2
50°-60°	4302.8	21.2
60°-70°	5423.6	26.7
70°-80°	3136.4	15.4
80°-90°	348.1	1.7
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°	20334.0	100.0
0°-180°	20334.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641723

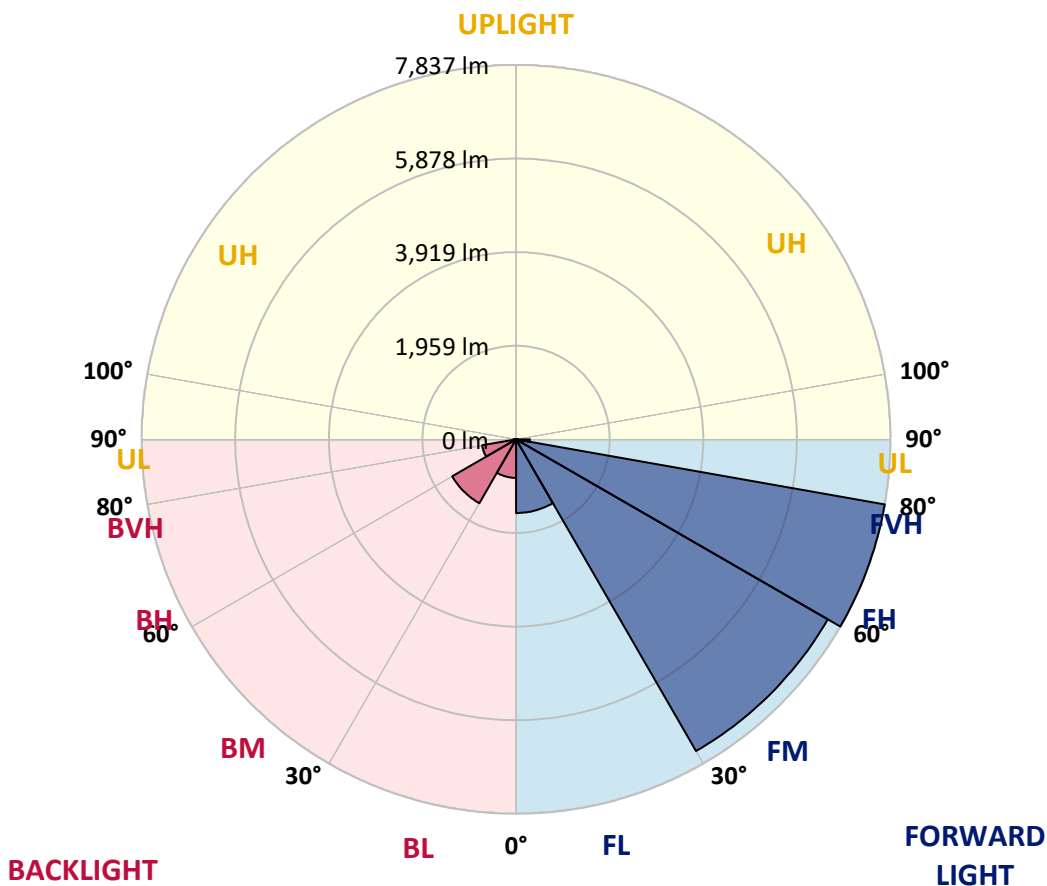
CATALOG NUMBER: GWS-SA6B-740-U-SL4-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1541.5	7.6			
FM (30°-60°)	7533.5	37.0			
FH (60°-80°)	7837.2	38.5			G4/12000
FVH (80°-90°)	289.9	1.4			G3/500
BL (0°-30°)	807.1	4.0	B2/1000		
BM (30°-60°)	1543.8	7.6	B2/2500		
BH (60°-80°)	722.9	3.6	B2/1000		G2/1000
BVH (80°-90°)	58.2	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-G4**

Type IV Short





REPORT NUMBER: P641723  
 CATALOG NUMBER: GWS-SA6B-740-U-SL4-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9
2.5°	3474.2	3480.3	3484.8	3490.9	3487.9	3478.7	3486.3	3486.3	3469.6	3451.4	3434.7
5°	3478.7	3486.3	3484.8	3483.3	3471.2	3456.0	3456.0	3446.9	3418.0	3389.2	3361.9
7.5°	3469.6	3468.1	3466.6	3462.1	3448.4	3431.7	3428.7	3410.4	3372.5	3333.0	3293.6
10°	3428.7	3427.1	3431.7	3442.3	3439.3	3424.1	3424.1	3407.4	3363.4	3314.8	3263.2
12.5°	3395.3	3395.3	3413.5	3442.3	3452.9	3446.9	3448.4	3436.3	3386.2	3328.5	3267.8
15°	3399.8	3401.3	3440.8	3487.9	3507.6	3503.0	3504.6	3490.9	3434.7	3377.1	3295.1
17.5°	3430.2	3437.8	3506.1	3571.3	3597.1	3591.1	3580.4	3557.7	3493.9	3428.7	3328.5
20°	3493.9	3506.1	3594.1	3676.1	3706.4	3692.8	3674.5	3629.0	3559.2	3487.9	3364.9
22.5°	3619.9	3627.5	3724.6	3805.1	3829.4	3812.7	3776.2	3711.0	3630.5	3556.2	3408.9
25°	3797.5	3806.6	3899.2	3973.5	3967.5	3947.7	3897.7	3817.2	3721.6	3642.7	3472.7
27.5°	4008.5	4023.6	4114.7	4173.9	4134.4	4105.6	4049.4	3952.3	3844.5	3773.2	3569.8
30°	4239.2	4245.2	4322.6	4381.8	4321.1	4281.7	4213.4	4108.6	4011.5	3958.4	3715.5
32.5°	4462.3	4468.3	4535.1	4568.5	4504.8	4475.9	4416.7	4305.9	4237.6	4208.8	3932.6
35°	4697.5	4696.0	4750.6	4779.5	4714.2	4702.1	4641.4	4556.4	4544.2	4582.2	4249.8
37.5°	4932.8	4919.1	4948.0	4985.9	4949.5	4961.6	4922.2	4893.3	4940.4	5039.0	4671.7
40°	5121.0	5121.0	5151.3	5198.4	5210.5	5263.7	5240.9	5278.8	5430.6	5665.9	5193.8
42.5°	5287.9	5289.5	5353.2	5426.1	5514.1	5596.0	5614.3	5712.9	6027.1	6395.9	5849.5
45°	5462.5	5464.0	5550.5	5656.8	5843.4	5999.8	6036.2	6257.8	6707.1	7156.3	6561.4
47.5°	5664.3	5647.7	5767.6	5945.1	6210.8	6435.4	6529.5	6843.7	7411.3	7963.8	7232.2
50°	5892.0	5857.1	5990.7	6297.3	6625.1	6933.2	7091.1	7450.8	8167.2	8709.0	7863.6
52.5°	6148.5	6128.8	6268.4	6641.8	7142.7	7497.8	7711.8	8183.9	8901.8	9451.2	8364.5
55°	6467.3	6420.2	6622.1	7097.1	7749.8	8202.1	8455.5	8909.4	9704.7	10125.1	8747.0
57.5°	6816.3	6764.7	7034.9	7666.3	8539.0	9035.3	9352.6	9725.9	10460.5	10641.1	8971.6
60°	7192.8	7176.1	7496.3	8334.1	9480.0	10056.8	10286.0	10624.5	11117.7	10940.1	8915.4
62.5°	7537.3	7531.2	7997.2	9058.1	10477.2	11111.7	11293.8	11383.3	11591.3	10920.4	8469.2
65°	7900.0	7951.6	8581.5	9897.4	11620.1	12242.4	12318.3	12090.6	11750.6	10402.9	7555.5
67.5°	7945.6	8045.7	8948.8	10683.6	12703.8	13291.2	13230.5	12359.3	11280.1	8962.5	5922.4
70°	7106.2	7280.8	8363.0	10803.5	13467.2	13899.8	13461.2	11781.0	9572.6	6493.1	3724.6
72.5°	5937.5	6087.8	7044.0	9212.9	12482.2	13033.2	12439.7	9971.8	6764.7	3724.6	1897.2
75°	4621.6	4796.2	5678.0	7323.3	9345.0	9565.0	9267.6	6954.5	3718.6	1536.0	862.1
77.5°	2820.0	2946.0	3632.0	4961.6	6538.6	6209.2	5262.1	3899.2	1631.6	736.1	532.7
80°	1247.6	1325.0	1789.5	2665.2	3777.8	3571.3	2815.5	1665.0	892.5	467.5	371.9
82.5°	669.3	719.4	881.8	1054.9	1658.9	1734.8	1407.0	959.2	479.6	267.1	212.5
85°	294.4	323.3	400.7	382.5	544.9	535.8	540.3	658.7	229.2	122.9	138.1
87.5°	0.0	0.0	0.0	0.0	1.5	1.5	16.7	88.0	22.8	36.4	31.9
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: P641723  
 CATALOG NUMBER: GWS-SA6B-740-U-SL4-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9	3452.9
2.5°	3416.5	3389.2	3381.6	3372.5	3355.8	3327.0	3305.7	3281.4	3270.8	3258.7	3260.2
5°	3331.5	3298.1	3266.3	3225.3	3173.7	3116.0	3076.5	3031.0	3006.7	2984.0	2990.0
7.5°	3258.7	3207.1	3141.8	3055.3	2962.7	2859.5	2776.0	2710.8	2666.7	2636.4	2651.6
10°	3213.1	3152.4	3038.6	2897.4	2741.1	2583.3	2463.4	2351.0	2281.2	2226.6	2223.5
12.5°	3204.0	3125.1	2959.7	2754.8	2528.6	2317.6	2141.6	1989.8	1897.2	1828.9	1854.7
15°	3213.1	3113.0	2891.4	2622.7	2337.4	2052.0	1833.5	1658.9	1548.1	1485.9	1481.4
17.5°	3223.8	3100.8	2814.0	2480.1	2137.0	1810.7	1557.2	1372.1	1258.2	1196.0	1197.5
20°	3232.9	3082.6	2722.9	2323.7	1933.6	1586.1	1323.5	1147.4	1045.7	1000.2	1007.8
22.5°	3248.0	3064.4	2625.8	2156.8	1725.7	1369.0	1138.3	995.7	935.0	904.6	906.1
25°	3276.9	3053.8	2525.6	1974.6	1520.8	1196.0	1010.8	915.2	877.3	859.1	857.5
27.5°	3336.1	3062.9	2420.9	1798.6	1335.6	1064.0	928.9	866.7	840.8	828.7	827.2
30°	3434.7	3099.3	2329.8	1619.5	1176.3	960.8	872.7	834.8	819.6	809.0	807.5
32.5°	3585.0	3167.6	2231.1	1452.5	1047.3	884.9	828.7	809.0	798.4	792.3	792.3
35°	3812.7	3292.1	2134.0	1306.8	947.1	825.7	793.8	786.2	777.1	774.1	777.1
37.5°	4140.5	3490.9	2046.0	1179.3	875.8	780.1	755.9	758.9	751.3	755.9	760.4
40°	4556.4	3756.5	1971.6	1074.6	822.6	746.7	722.5	733.1	728.5	733.1	740.7
42.5°	5083.0	4085.9	1915.4	992.6	784.7	719.4	696.7	707.3	704.2	710.3	717.9
45°	5670.4	4519.9	1889.6	935.0	757.4	699.7	675.4	683.0	680.0	684.5	692.1
47.5°	6233.5	4914.6	1912.4	901.6	734.6	683.0	657.2	660.2	658.7	657.2	661.8
50°	6719.2	5228.7	1977.7	890.9	719.4	666.3	642.0	643.5	639.0	629.9	632.9
52.5°	7115.3	5480.7	2017.1	890.9	711.8	648.1	625.3	626.8	617.7	605.6	607.1
55°	7376.4	5582.4	1985.3	889.4	708.8	632.9	608.6	610.1	601.0	585.9	587.4
57.5°	7450.8	5483.7	1851.7	872.7	705.8	620.8	591.9	595.0	588.9	572.2	572.2
60°	7242.8	5122.5	1607.3	834.8	698.2	613.2	579.8	584.3	581.3	564.6	564.6
62.5°	6698.0	4480.5	1315.9	777.1	676.9	604.1	569.2	578.3	585.9	576.8	575.2
65°	5678.0	3589.5	1070.0	713.4	649.6	588.9	554.0	576.8	593.5	605.6	605.6
67.5°	4260.4	2569.6	872.7	646.6	608.6	558.5	534.3	555.5	567.6	575.2	579.8
70°	2596.9	1511.7	687.6	569.2	549.4	513.0	494.8	473.5	456.9	453.8	455.3
72.5°	1270.4	865.1	558.5	484.2	469.0	435.6	394.6	385.5	377.9	373.4	371.9
75°	699.7	602.6	461.4	402.2	374.9	333.9	324.8	309.6	306.6	300.5	302.0
77.5°	494.8	475.1	381.0	326.3	285.3	264.1	268.6	258.0	258.0	253.5	252.0
80°	371.9	373.4	292.9	238.3	211.0	203.4	207.9	207.9	204.9	203.4	201.9
82.5°	235.3	265.6	197.3	153.3	150.3	151.8	150.3	148.7	151.8	147.2	145.7
85°	162.4	191.2	119.9	91.1	91.1	89.5	92.6	91.1	94.1	89.5	89.5
87.5°	36.4	85.0	44.0	27.3	28.8	27.3	28.8	30.4	33.4	34.9	34.9
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)