

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: P643205

Luminaire Tested: GWS-SA6E-740-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643205  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-740-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

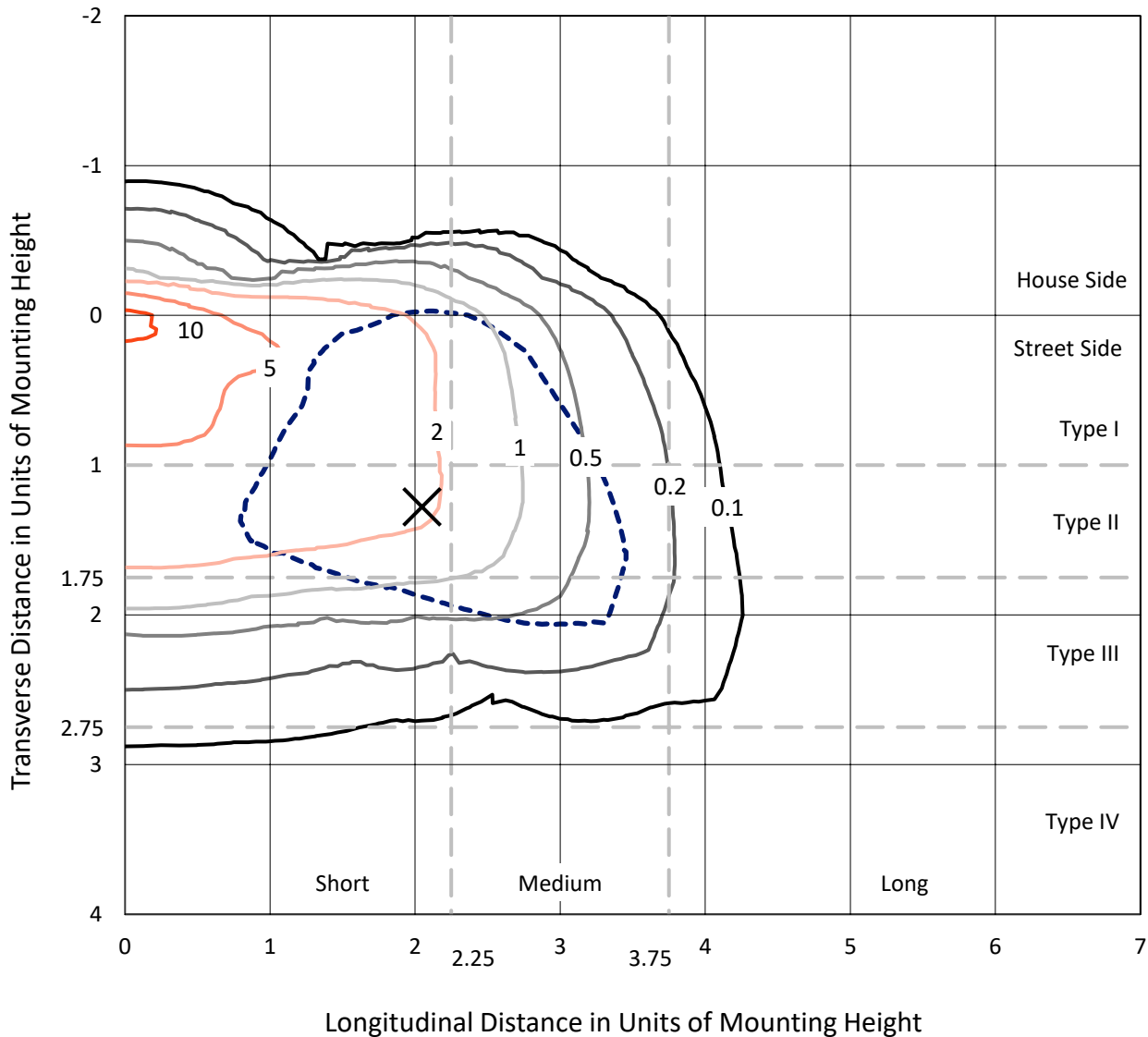
Lumens per Lamp: N/A  
Luminaire Lumens: 36255.7 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): 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

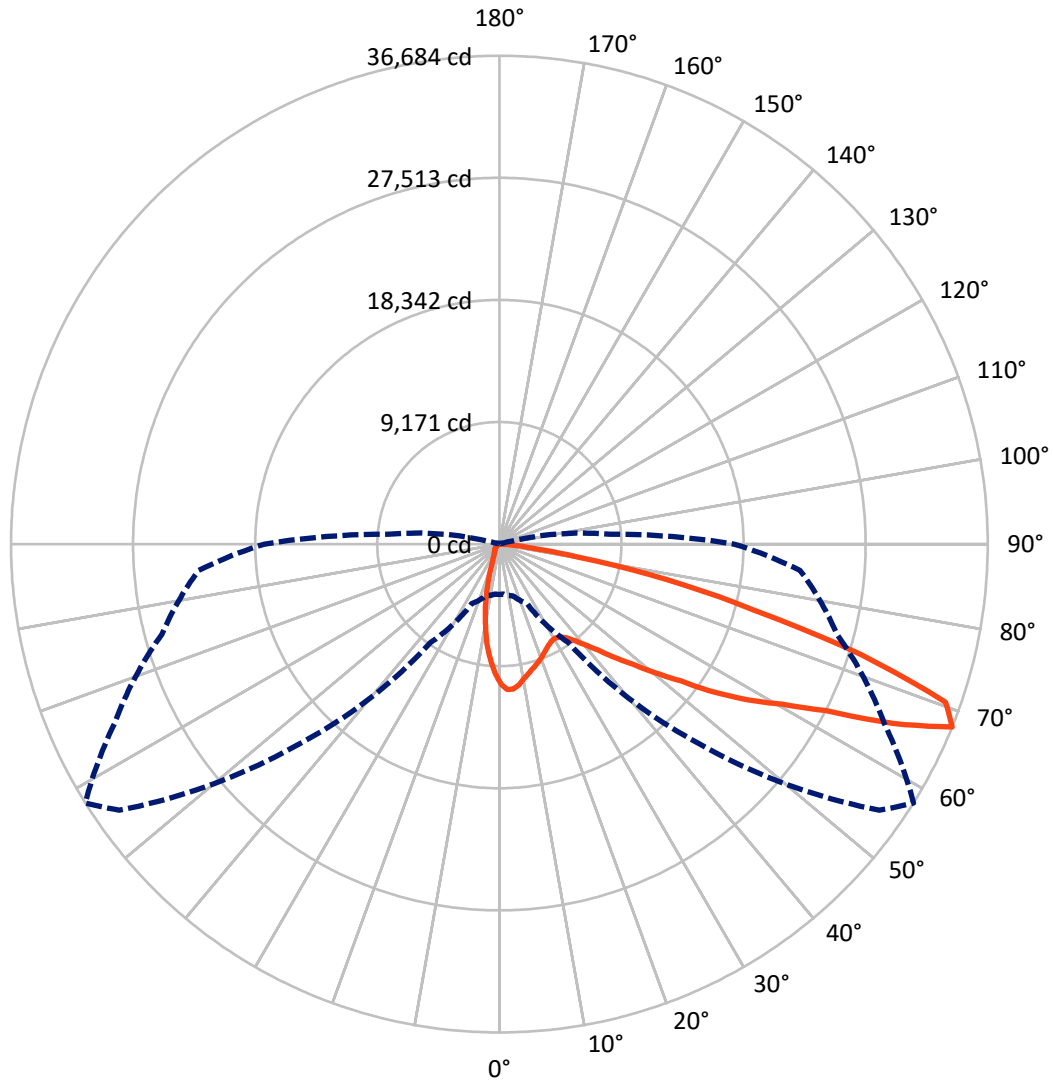
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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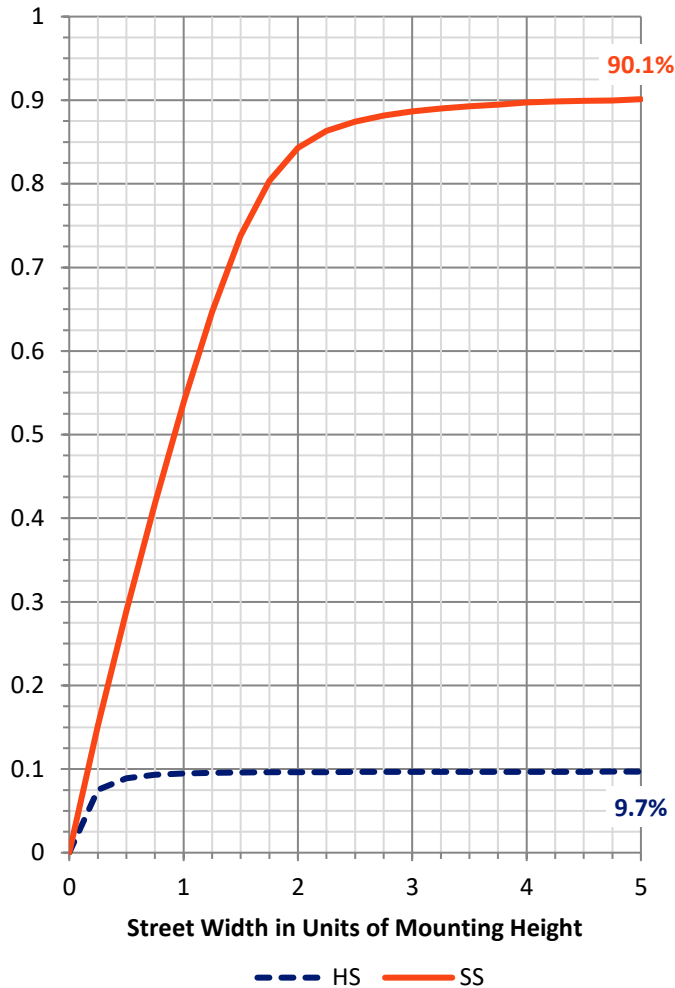
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3542.0	0.0	3542.0
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	32713.7	0.0	32713.7
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	36255.7	0.0	36255.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	849.8	2.3
10°-20°	1769.0	4.9
20°-30°	2385.6	6.6
30°-40°	3352.2	9.2
40°-50°	5177.2	14.3
50°-60°	8279.1	22.8
60°-70°	9803.0	27.0
70°-80°	4336.6	12.0
80°-90°	303.2	0.8
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°	36255.7	100.0
0°-180°	36255.7	100.0

**Coefficient of Utilization**

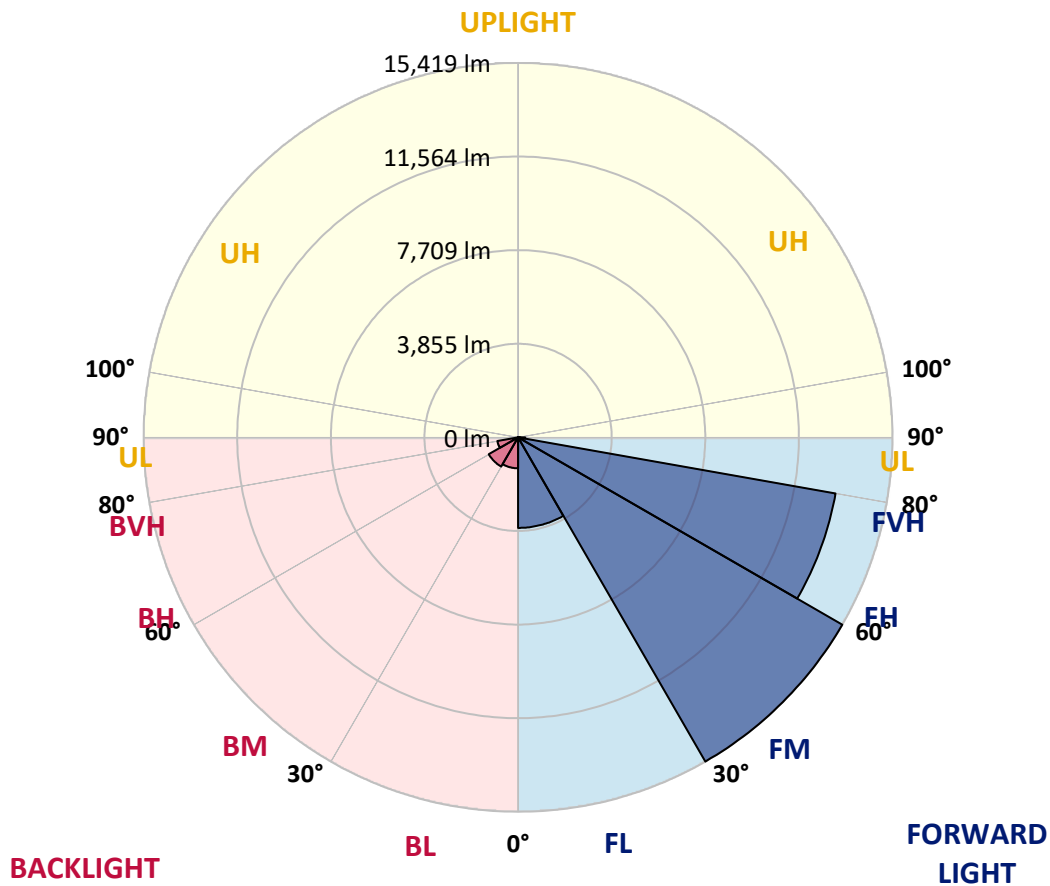


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3729.8	10.3			
FM (30°-60°)	15418.8	42.5			
FH (60°-80°)	13274.9	36.6			G5
FVH (80°-90°)	290.3	0.8			G3/500
BL (0°-30°)	1274.6	3.5	B3/2500		
BM (30°-60°)	1389.7	3.8	B2/2500		
BH (60°-80°)	864.7	2.4	B2/1000		G2/1000
BVH (80°-90°)	12.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8
2.5°	11000.2	11019.4	11045.1	11077.2	11070.7	11041.9	11006.6	10926.3	10875.0	10714.6	10518.8
5°	10647.2	10644.0	10708.1	10769.1	10878.2	10936.0	11016.2	10942.4	10916.7	10724.2	10406.5
7.5°	9957.3	9992.6	10066.4	10162.6	10319.9	10489.9	10682.5	10660.0	10737.0	10608.7	10214.0
10°	9280.2	9260.9	9376.4	9520.8	9761.5	9979.7	10258.9	10255.7	10457.8	10445.0	9995.8
12.5°	8686.5	8683.3	8773.2	8936.8	9219.2	9524.1	9902.7	9912.3	10162.6	10265.3	9809.6
15°	8185.9	8192.4	8279.0	8449.1	8741.1	9113.3	9552.9	9633.2	9915.5	10124.1	9626.7
17.5°	7829.7	7833.0	7884.3	8031.9	8317.5	8715.4	9244.9	9354.0	9716.6	10018.2	9479.1
20°	7666.1	7653.3	7662.9	7736.7	7958.1	8320.7	8930.4	9071.6	9533.7	9944.4	9344.4
22.5°	7688.6	7669.3	7624.4	7614.7	7714.2	7990.2	8596.7	8770.0	9334.7	9899.5	9222.4
25°	7887.5	7845.8	7781.6	7685.3	7646.8	7784.8	8304.7	8484.4	9148.6	9902.7	9129.4
27.5°	8192.4	8147.4	8067.2	7938.8	7788.0	7730.3	8105.7	8275.8	9017.0	9976.5	9084.4
30°	8580.6	8545.3	8468.3	8314.3	8112.1	7874.7	8064.0	8205.2	8952.9	10127.3	9103.7
32.5°	9039.5	9013.8	8949.7	8808.5	8577.4	8214.8	8205.2	8314.3	9004.2	10345.5	9177.5
35°	9482.3	9492.0	9495.2	9418.2	9171.1	8731.5	8593.5	8632.0	9216.0	10672.8	9344.4
37.5°	9960.5	9938.0	10053.5	10108.1	9870.6	9402.1	9193.5	9196.7	9620.3	11157.4	9658.8
40°	10323.1	10329.5	10579.8	10804.4	10704.9	10252.5	9954.0	9950.8	10242.8	11821.6	10165.8
42.5°	10663.2	10704.9	11074.0	11459.0	11597.0	11195.9	10980.9	10900.7	11115.7	12720.1	10926.3
45°	11025.8	11086.8	11603.4	12152.2	12514.8	12277.3	12107.2	12139.3	12165.0	13766.2	11950.0
47.5°	11449.4	11487.9	12126.5	12899.8	13576.9	13515.9	13525.6	13487.1	13474.2	15085.1	13304.2
50°	11962.8	12052.7	12787.5	13711.7	14635.8	15040.2	15174.9	15191.0	14982.4	16522.7	14706.4
52.5°	13053.9	13163.0	13791.9	14600.6	15791.1	16641.4	17190.1	17081.0	16760.1	17915.4	16243.5
55°	14340.6	14424.1	15030.5	15868.1	17203.0	18396.7	19699.5	19654.6	18868.4	19381.8	17507.8
57.5°	14462.6	14555.6	15495.8	16779.4	19016.0	20565.9	21936.1	22080.5	20928.5	20421.5	18637.4
60°	13092.4	13281.7	14565.3	16291.6	19709.1	23482.8	24387.7	24416.6	22439.9	21477.3	20017.2
62.5°	10493.1	10583.0	11876.2	14128.8	18640.6	25183.5	28132.5	27522.8	24381.3	23110.6	22202.5
65°	5500.1	5865.9	6992.2	9485.5	15117.2	24589.9	32637.8	32471.0	27872.6	25449.9	23903.2
67.5°	3773.7	3770.5	4036.8	4944.9	9013.8	21172.4	34848.8	36684.3	31909.4	26252.1	22671.0
70°	2872.0	2881.6	3119.1	3709.5	4669.0	14093.5	32422.9	35561.2	32660.3	23835.8	18335.7
72.5°	1906.1	1925.3	2320.0	2997.1	3728.8	6908.8	25196.4	28453.4	27481.1	19144.4	12906.2
75°	1139.2	1155.2	1437.6	2178.9	3314.8	3866.7	16009.3	19670.6	18916.5	13195.0	6918.4
77.5°	468.5	481.3	738.0	1357.4	2425.9	3003.5	8853.4	12870.9	11330.7	5246.6	1890.0
80°	195.7	202.2	356.2	949.8	1748.9	1883.6	4101.0	6048.8	4643.3	1129.5	577.6
82.5°	70.6	73.8	131.6	523.1	1087.8	1418.3	2069.7	2390.6	1309.2	369.0	311.3
85°	3.2	3.2	32.1	176.5	413.9	401.1	1184.1	1145.6	433.2	154.0	186.1
87.5°	0.0	0.0	3.2	3.2	6.4	16.0	112.3	199.0	93.1	38.5	80.2
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°	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8	10457.8
2.5°	10390.5	10220.4	10034.3	9861.0	9585.0	9421.4	9219.2	9129.4	9001.0	8968.9	8988.2
5°	10178.7	9886.7	9440.6	9036.3	8513.2	8092.9	7669.3	7489.6	7258.6	7104.5	7040.4
7.5°	9880.2	9498.4	8802.0	8067.2	7348.4	6581.5	5997.5	5612.4	5262.6	5070.1	5031.6
10°	9578.6	9081.2	8083.3	7030.7	5917.2	4999.5	4210.1	3626.1	3151.2	2936.2	2769.3
12.5°	9267.3	8648.0	7351.6	5978.2	4685.0	3433.5	2458.0	1890.0	1549.9	1415.1	1437.6
15°	8981.7	8230.9	6626.4	4925.7	3298.8	2073.0	1357.4	1145.6	1065.4	1039.7	1036.5
17.5°	8709.0	7836.2	5904.4	3902.0	2175.6	1270.7	1039.7	988.3	965.9	953.0	953.0
20°	8461.9	7457.5	5198.4	2939.4	1405.5	1007.6	940.2	914.5	895.3	885.7	885.7
22.5°	8230.9	7091.7	4508.5	2079.4	1036.5	904.9	863.2	837.5	815.1	802.2	802.2
25°	8022.3	6761.2	3850.7	1431.2	892.1	827.9	783.0	754.1	715.6	693.1	693.1
27.5°	7871.5	6466.0	3218.5	1042.9	805.4	744.5	693.1	654.6	612.9	587.2	580.8
30°	7781.6	6215.7	2580.0	856.8	725.2	664.2	606.5	558.4	510.2	484.5	481.3
32.5°	7730.3	5984.6	1995.9	747.7	657.8	587.2	523.1	471.7	423.6	394.7	391.5
35°	7749.5	5804.9	1495.4	673.9	593.6	519.8	449.2	397.9	356.2	330.5	324.1
37.5°	7916.4	5724.7	1123.1	616.1	539.1	462.1	388.3	340.1	301.6	282.4	279.2
40°	8240.5	5740.7	882.5	571.2	494.2	404.3	333.7	288.8	259.9	243.9	240.7
42.5°	8744.3	5875.5	728.4	532.7	446.0	353.0	288.8	253.5	224.6	208.6	205.4
45°	9495.2	6154.7	635.4	487.8	394.7	304.8	250.3	218.2	192.5	173.3	170.1
47.5°	10583.0	6639.2	574.4	446.0	349.8	263.1	215.0	182.9	160.4	144.4	141.2
50°	11741.4	7220.1	523.1	404.3	311.3	227.8	182.9	150.8	131.6	115.5	112.3
52.5°	12976.8	7845.8	484.5	365.8	276.0	195.7	154.0	125.1	105.9	89.8	86.6
55°	14164.1	8474.7	439.6	340.1	234.3	166.9	128.4	102.7	83.4	70.6	70.6
57.5°	15319.3	9052.3	391.5	298.4	192.5	141.2	105.9	83.4	67.4	57.8	54.6
60°	16699.2	9851.4	336.9	253.5	160.4	118.7	86.6	67.4	54.6	44.9	44.9
62.5°	18749.7	10682.5	288.8	211.8	134.8	99.5	70.6	54.6	44.9	38.5	35.3
65°	19420.3	10233.2	243.9	173.3	109.1	80.2	57.8	48.1	38.5	35.3	32.1
67.5°	17629.8	8388.1	202.2	141.2	89.8	67.4	51.3	41.7	35.3	32.1	28.9
70°	13756.6	5952.5	157.2	105.9	73.8	54.6	44.9	38.5	32.1	28.9	28.9
72.5°	9357.2	3520.2	125.1	80.2	61.0	48.1	38.5	35.3	32.1	28.9	25.7
75°	4608.0	1251.5	96.3	61.0	48.1	41.7	35.3	32.1	28.9	25.7	25.7
77.5°	1241.8	346.6	73.8	48.1	38.5	32.1	32.1	32.1	28.9	22.5	22.5
80°	420.4	144.4	54.6	35.3	32.1	25.7	22.5	28.9	25.7	22.5	19.3
82.5°	231.0	70.6	38.5	28.9	22.5	19.3	19.3	19.3	19.3	16.0	16.0
85°	147.6	38.5	25.7	22.5	22.5	16.0	12.8	12.8	9.6	9.6	9.6
87.5°	67.4	22.5	22.5	19.3	19.3	16.0	9.6	6.4	3.2	3.2	3.2
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)