

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: P643311

Luminaire Tested: GWS-SA6E-760-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-760-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

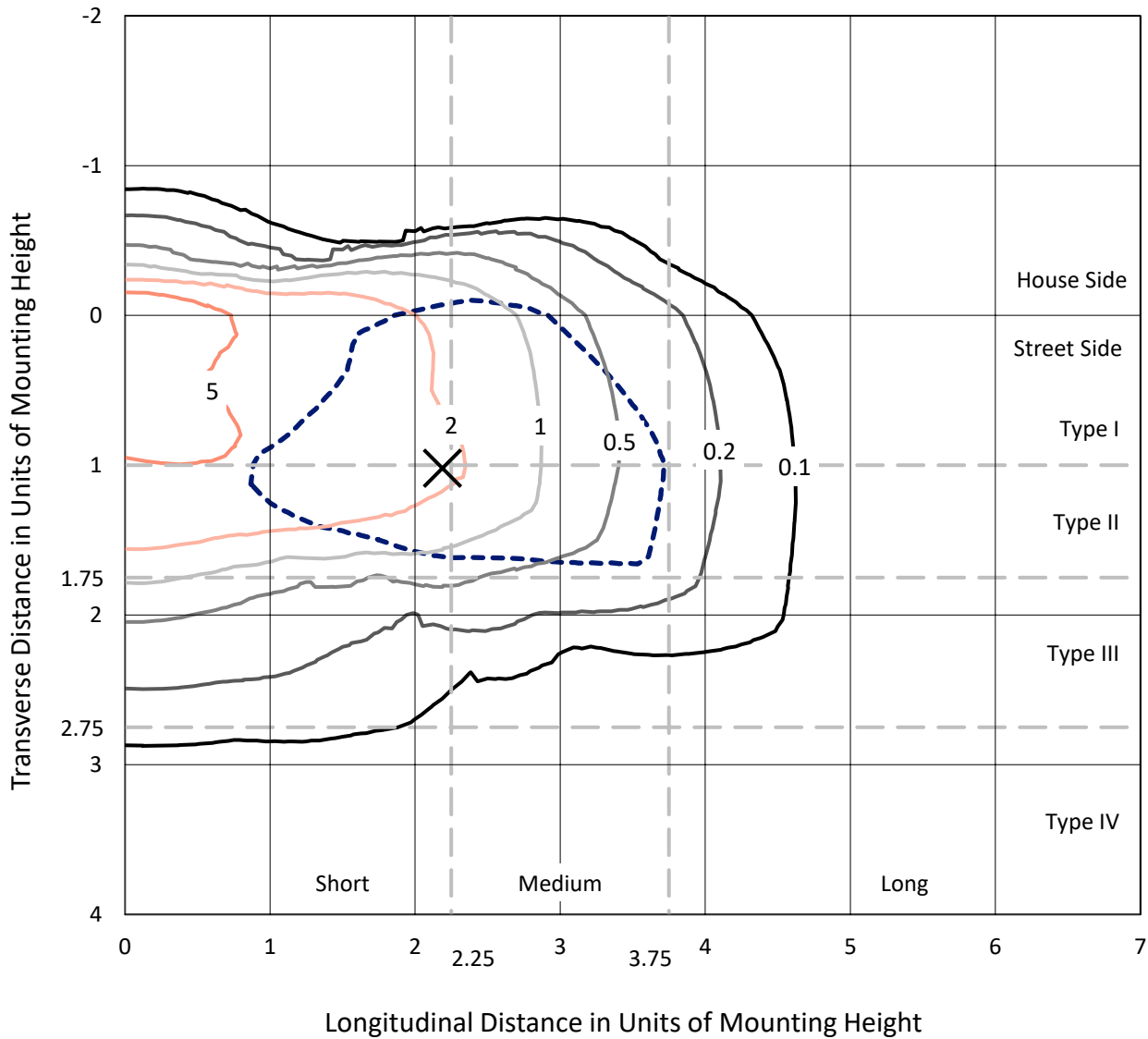
Lumens per Lamp: N/A  
Luminaire Lumens: 35801.3 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

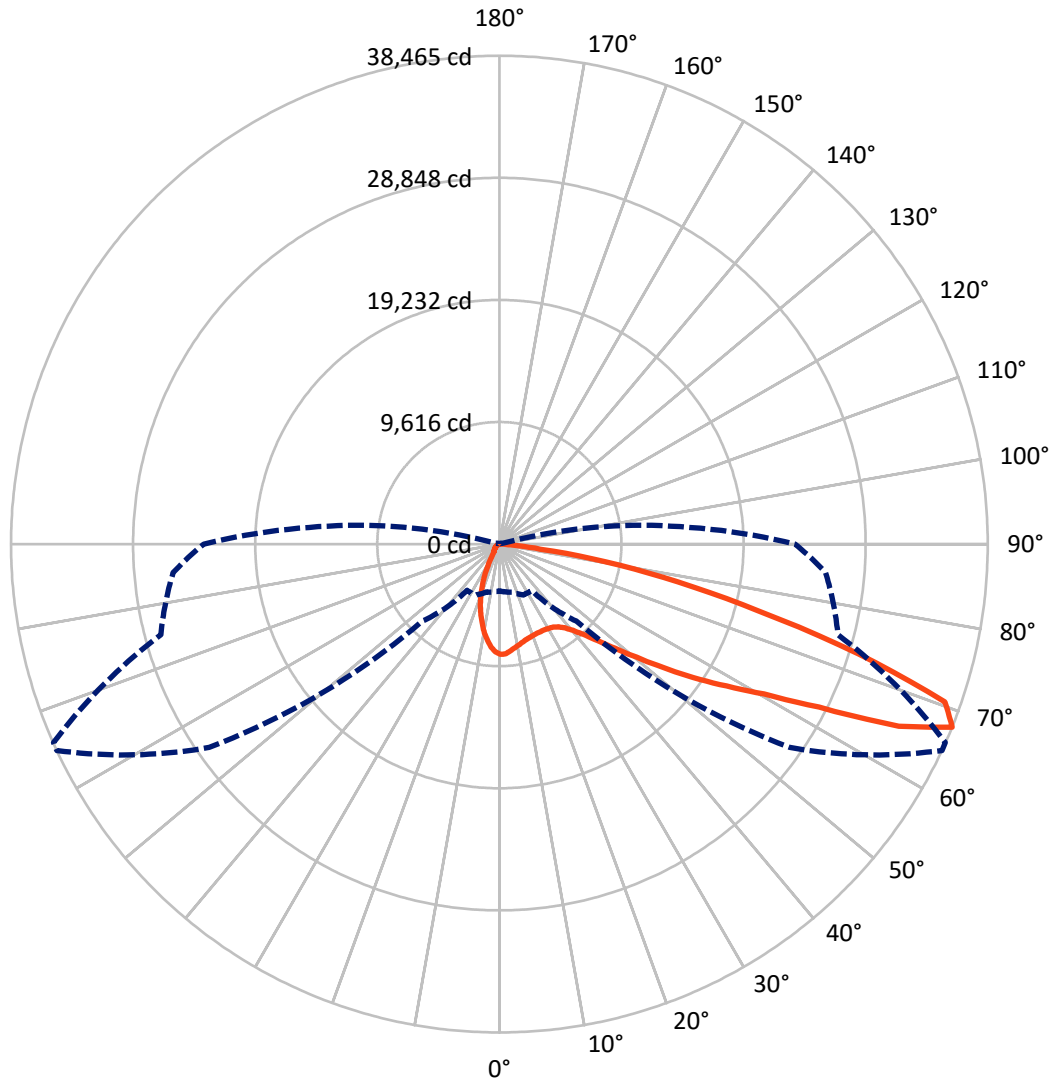
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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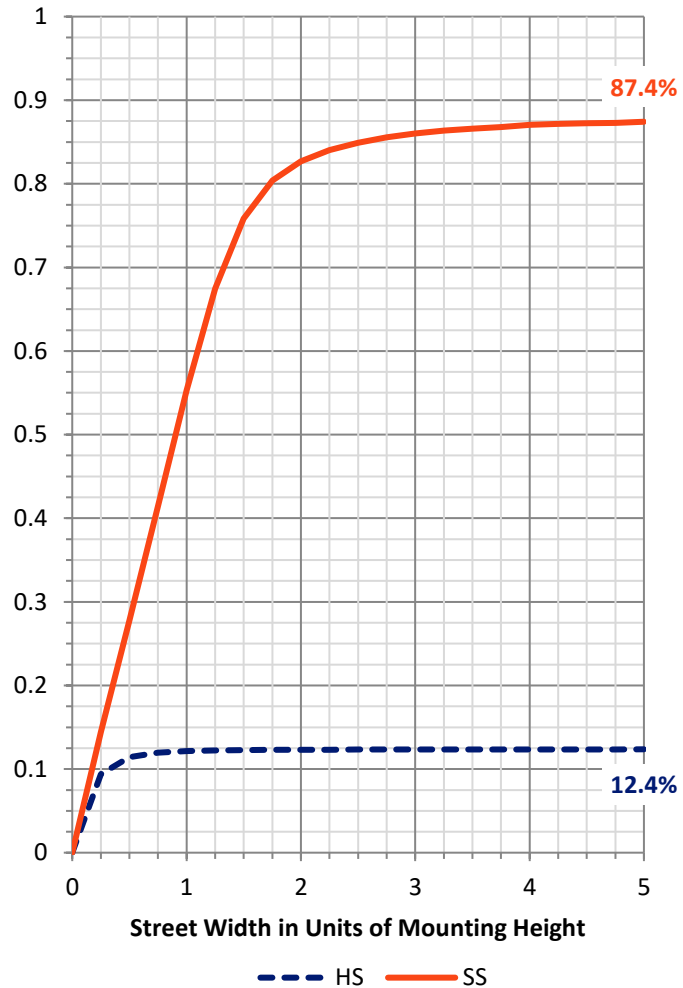
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4470.5	0.0	4470.5
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	31330.8	0.0	31330.8
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	35801.3	0.0	35801.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	721.2	2.0
10°-20°	1621.1	4.5
20°-30°	2316.5	6.5
30°-40°	3370.2	9.4
40°-50°	5278.3	14.7
50°-60°	8234.4	23.0
60°-70°	9045.0	25.3
70°-80°	4813.7	13.4
80°-90°	400.8	1.1
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°	35801.3	100.0
0°-180°	35801.3	100.0

**Coefficient of Utilization**



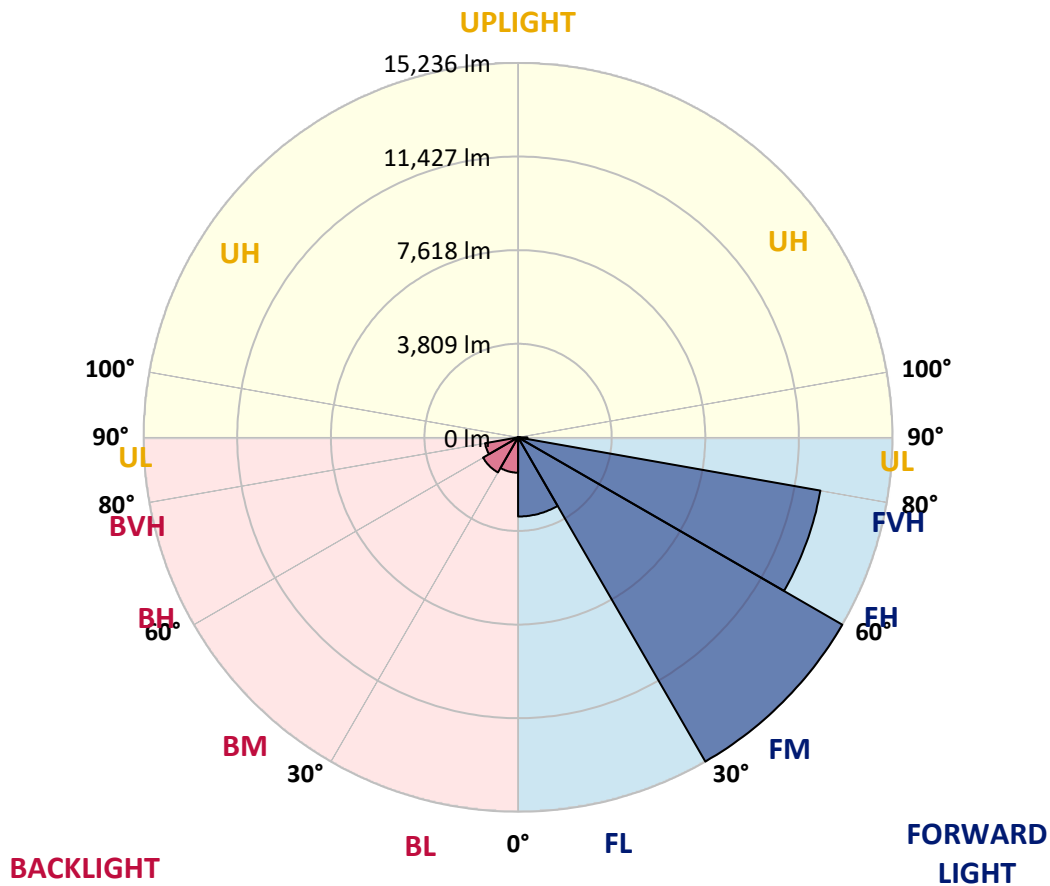
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3221.9	9.0			
FM (30°-60°)	15236.3	42.6			
FH (60°-80°)	12493.3	34.9			G5
FVH (80°-90°)	379.3	1.1			G3/500
BL (0°-30°)	1436.9	4.0	B3/2500		
BM (30°-60°)	1646.7	4.6	B2/2500		
BH (60°-80°)	1365.5	3.8	B3/2500		G3/2500
BVH (80°-90°)	21.4	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9
2.5°	8381.9	8407.8	8372.1	8459.6	8475.7	8572.9	8627.9	8666.8	8663.5	8712.1	8712.1
5°	7889.8	7915.7	7896.2	7990.1	8064.6	8216.7	8343.0	8488.7	8495.2	8644.1	8699.1
7.5°	7472.1	7475.4	7475.4	7591.9	7689.0	7876.8	8064.6	8288.0	8313.9	8543.7	8689.4
10°	7128.9	7138.7	7141.9	7274.6	7381.5	7608.1	7847.7	8116.4	8145.5	8456.3	8682.9
12.5°	6892.6	6895.8	6908.8	7048.0	7164.6	7400.9	7643.7	7951.3	7990.1	8356.0	8653.8
15°	6779.3	6772.8	6779.3	6895.8	7012.4	7239.0	7488.3	7818.5	7860.6	8271.8	8657.0
17.5°	6772.8	6763.1	6756.6	6844.0	6918.5	7119.2	7371.8	7731.1	7776.4	8232.9	8692.7
20°	6866.7	6860.2	6827.9	6866.7	6882.9	7048.0	7297.3	7663.1	7708.5	8226.5	8770.4
22.5°	7112.8	7096.6	7048.0	7012.4	6925.0	7022.1	7245.5	7614.6	7666.4	8242.6	8870.7
25°	7478.6	7472.1	7410.6	7323.2	7099.8	7061.0	7248.7	7614.6	7663.1	8262.1	8977.6
27.5°	8029.0	7990.1	7912.4	7760.3	7439.7	7213.1	7313.5	7634.0	7682.6	8288.0	9065.0
30°	8589.1	8585.8	8559.9	8404.5	7928.6	7504.5	7449.5	7685.8	7731.1	8310.6	9145.9
32.5°	9168.6	9178.3	9243.0	9123.2	8602.0	7938.3	7695.5	7792.6	7825.0	8356.0	9217.1
35°	9718.9	9738.4	9910.0	9952.0	9421.1	8595.5	8097.0	8006.3	8009.5	8456.3	9311.0
37.5°	10246.6	10311.4	10586.6	10790.5	10440.9	9392.0	8676.5	8368.9	8343.0	8657.0	9453.5
40°	10845.6	10968.6	11315.0	11661.4	11551.4	10444.1	9466.4	8925.8	8870.7	9026.1	9709.2
42.5°	11509.3	11642.0	12101.7	12587.4	12639.2	11716.5	10453.8	9738.4	9644.5	9647.7	10188.4
45°	12221.5	12399.6	12933.8	13633.1	13947.1	13134.5	11671.1	10835.9	10742.0	10602.8	10958.9
47.5°	13157.2	13312.6	13827.3	14633.4	15235.6	14656.1	13267.2	12247.4	12075.8	11871.9	12156.8
50°	13963.3	14099.3	14542.8	15552.9	16805.8	16618.0	15077.0	14011.8	13846.7	13500.3	13736.7
52.5°	14141.3	14248.2	14656.1	15792.5	18006.9	19094.7	17294.7	16145.4	16028.8	15387.8	15478.4
55°	13341.7	13503.6	13869.4	15132.0	18320.9	21516.3	20172.8	18550.8	18308.0	17284.9	17446.8
57.5°	11321.5	11609.6	11952.8	13594.2	17469.5	22804.9	24193.7	21098.7	20878.6	19110.9	19114.1
60°	8297.7	8530.8	8760.6	10262.8	15449.3	22717.5	27842.4	23960.6	23559.2	20603.4	20548.3
62.5°	6034.7	6154.5	6151.2	6685.4	10609.2	21221.7	29759.0	28273.0	27337.3	22199.5	21885.4
65°	4746.2	4742.9	4882.1	5057.0	5924.6	16381.7	29995.3	34569.9	33559.8	24339.4	23685.5
67.5°	3694.0	3765.2	3904.4	4419.2	4451.5	8572.9	27916.9	38464.6	38445.2	27606.1	25793.1
70°	2849.0	2946.1	3143.6	3894.7	4111.6	4798.0	20888.3	37231.1	37545.1	29066.2	24300.6
72.5°	1829.2	1822.7	2114.1	3146.8	3949.7	3998.3	11551.4	29574.5	29930.6	26327.3	19648.3
75°	1023.0	1029.5	1194.6	1926.3	3681.0	3762.0	5720.6	21089.0	21370.7	20525.7	15096.4
77.5°	401.4	414.4	560.1	1013.3	2428.1	3360.5	3399.4	14380.9	14423.0	12720.1	9259.2
80°	161.9	171.6	284.9	628.1	1479.5	2263.0	2428.1	8472.5	8300.9	4924.2	2693.6
82.5°	48.6	51.8	113.3	356.1	773.8	1609.0	1638.2	3250.4	3069.1	1058.7	686.3
85°	3.2	3.2	25.9	110.1	275.2	404.7	1091.0	1058.7	938.9	265.5	304.3
87.5°	0.0	0.0	3.2	3.2	6.5	12.9	116.5	194.2	197.5	48.6	136.0
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°	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9	8682.9
2.5°	8712.1	8595.5	8585.8	8495.2	8404.5	8291.2	8158.5	8061.3	7993.4	7873.6	7850.9
5°	8699.1	8543.7	8398.0	8139.0	7850.9	7540.1	7268.2	7015.6	6857.0	6750.2	6704.8
7.5°	8673.2	8475.7	8139.0	7650.2	7167.8	6623.9	6199.8	5811.3	5545.8	5390.4	5322.4
10°	8653.8	8388.3	7841.2	7099.8	6352.0	5600.9	4956.6	4380.3	4059.8	3807.3	3765.2
12.5°	8615.0	8262.1	7459.2	6455.6	5490.8	4493.6	3671.3	2965.5	2476.7	2256.5	2178.8
15°	8576.1	8129.3	7077.1	5775.7	4551.9	3321.7	2324.5	1644.6	1307.9	1204.3	1197.9
17.5°	8569.6	8009.5	6662.8	5131.4	3567.7	2175.6	1324.1	1065.1	993.9	968.0	968.0
20°	8589.1	7909.2	6254.8	4390.0	2599.7	1324.1	987.4	922.7	880.6	857.9	857.9
22.5°	8608.5	7805.6	5863.1	3642.2	1725.6	968.0	870.9	815.8	767.3	741.4	728.4
25°	8621.4	7692.3	5429.3	2891.1	1126.6	841.7	764.0	692.8	634.5	602.2	602.2
27.5°	8618.2	7556.3	4992.2	2156.2	874.1	747.9	654.0	579.5	521.2	485.6	488.9
30°	8592.3	7407.4	4539.0	1505.4	764.0	654.0	560.1	482.4	424.1	395.0	391.7
32.5°	8572.9	7248.7	4014.5	1058.7	686.3	573.0	475.9	401.4	352.9	330.2	327.0
35°	8550.2	7093.3	3515.9	806.1	618.4	495.3	401.4	339.9	301.1	281.7	281.7
37.5°	8556.7	6931.5	2975.3	692.8	550.4	430.6	343.2	291.4	259.0	239.6	236.3
40°	8657.0	6834.3	2444.3	628.1	488.9	372.3	297.8	252.5	220.1	200.7	197.5
42.5°	8906.3	6837.6	1936.0	579.5	433.8	317.3	259.0	216.9	187.8	165.1	161.9
45°	9404.9	6973.5	1486.0	527.7	375.5	275.2	223.4	184.5	155.4	136.0	132.7
47.5°	10220.7	7378.2	1126.6	482.4	327.0	239.6	191.0	155.4	129.5	113.3	110.1
50°	11519.0	8109.9	887.1	427.3	275.2	207.2	161.9	129.5	106.8	90.6	87.4
52.5°	13079.5	9207.4	760.8	378.8	236.3	181.3	139.2	106.8	87.4	74.5	71.2
55°	14873.0	10518.6	702.5	330.2	200.7	155.4	113.3	87.4	71.2	61.5	55.0
57.5°	16517.7	11700.3	699.3	281.7	171.6	132.7	93.9	74.5	61.5	48.6	45.3
60°	18120.2	12687.7	657.2	233.1	148.9	110.1	80.9	61.5	51.8	42.1	38.8
62.5°	19573.9	13490.6	550.4	187.8	126.3	90.6	68.0	55.0	45.3	35.6	35.6
65°	21399.8	14513.7	420.9	152.2	103.6	74.5	58.3	48.6	42.1	32.4	32.4
67.5°	23287.3	15054.3	301.1	126.3	84.2	64.7	51.8	45.3	35.6	29.1	29.1
70°	21092.2	12720.1	216.9	103.6	71.2	55.0	45.3	42.1	35.6	29.1	25.9
72.5°	16472.3	9171.8	161.9	80.9	61.5	51.8	42.1	38.8	32.4	25.9	25.9
75°	12215.0	5348.3	123.0	64.7	48.6	42.1	42.1	38.8	32.4	25.9	22.7
77.5°	6640.1	1864.8	93.9	51.8	38.8	32.4	35.6	35.6	29.1	22.7	19.4
80°	1758.0	511.5	64.7	38.8	32.4	25.9	25.9	32.4	25.9	19.4	19.4
82.5°	511.5	148.9	45.3	32.4	25.9	22.7	22.7	22.7	19.4	16.2	12.9
85°	249.3	55.0	32.4	25.9	22.7	19.4	16.2	16.2	12.9	9.7	9.7
87.5°	110.1	22.7	25.9	22.7	22.7	16.2	12.9	9.7	9.7	6.5	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)