

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: P643328

Luminaire Tested: GWS-SA6E-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643328  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-760-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

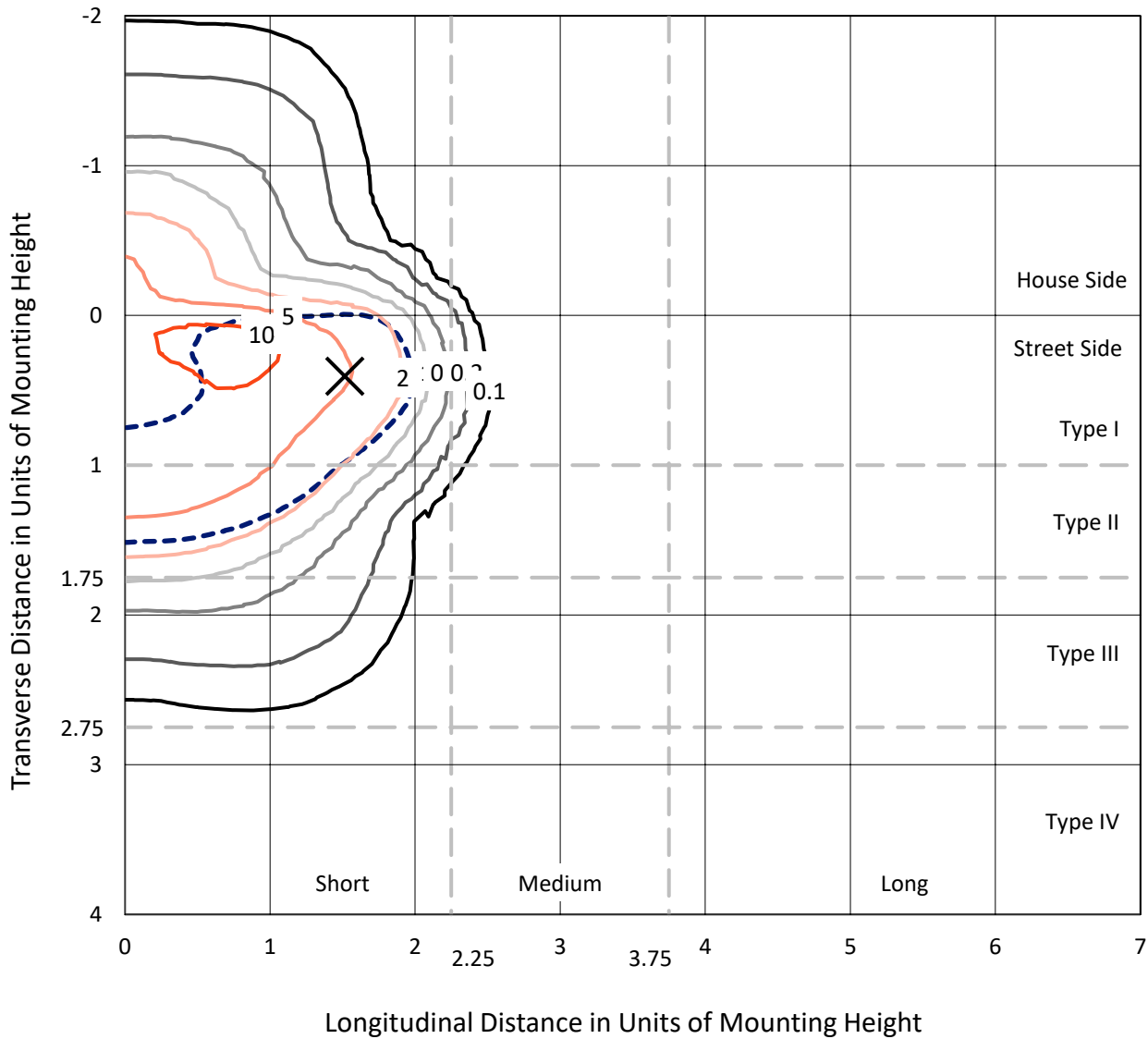
Lumens per Lamp: N/A  
Luminaire Lumens: 26826.7 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P643328  
 CATALOG NUMBER: GWS-SA6E-760-U-T2-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

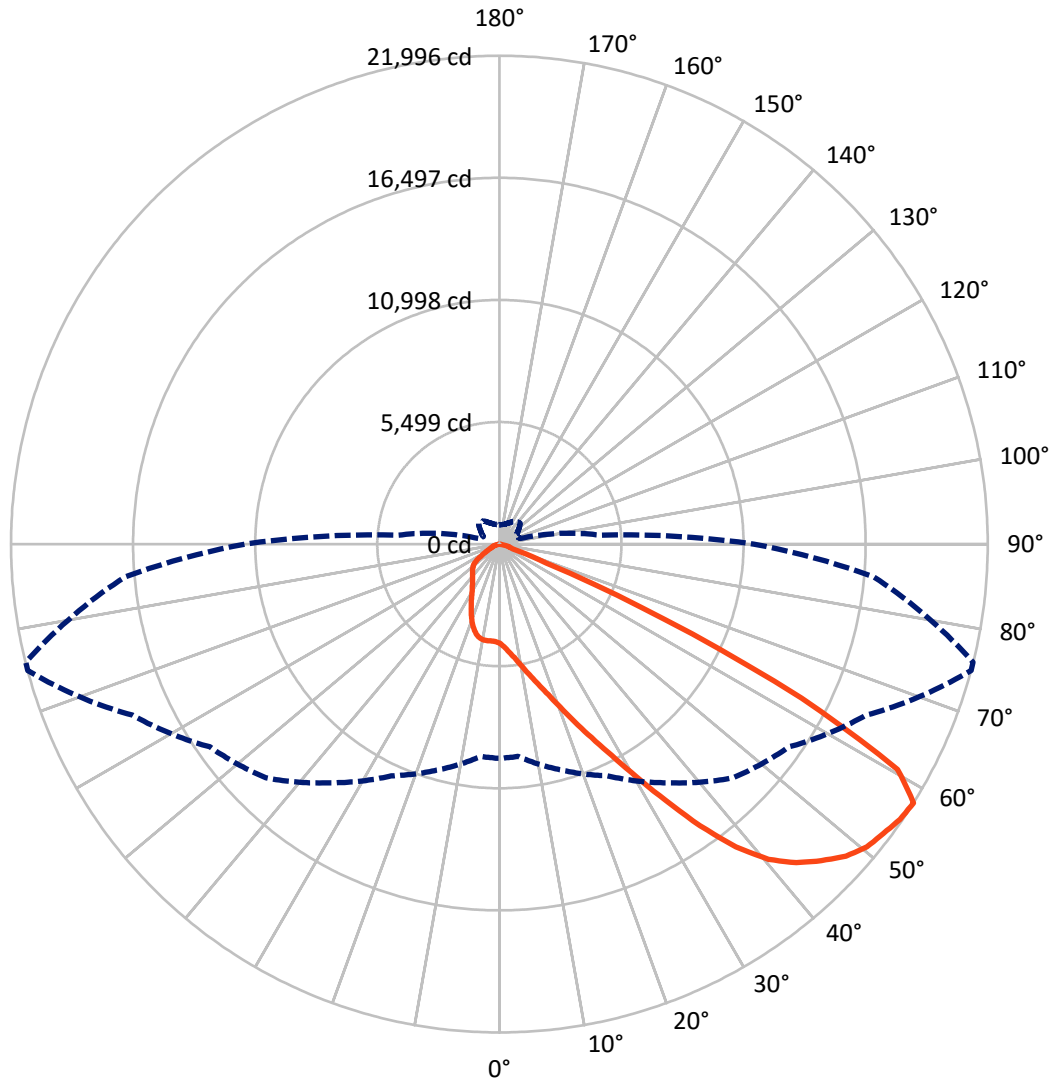
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P643328  
CATALOG NUMBER: GWS-SA6E-760-U-T2-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643328

CATALOG NUMBER: GWS-SA6E-760-U-T2-W-GRSBK

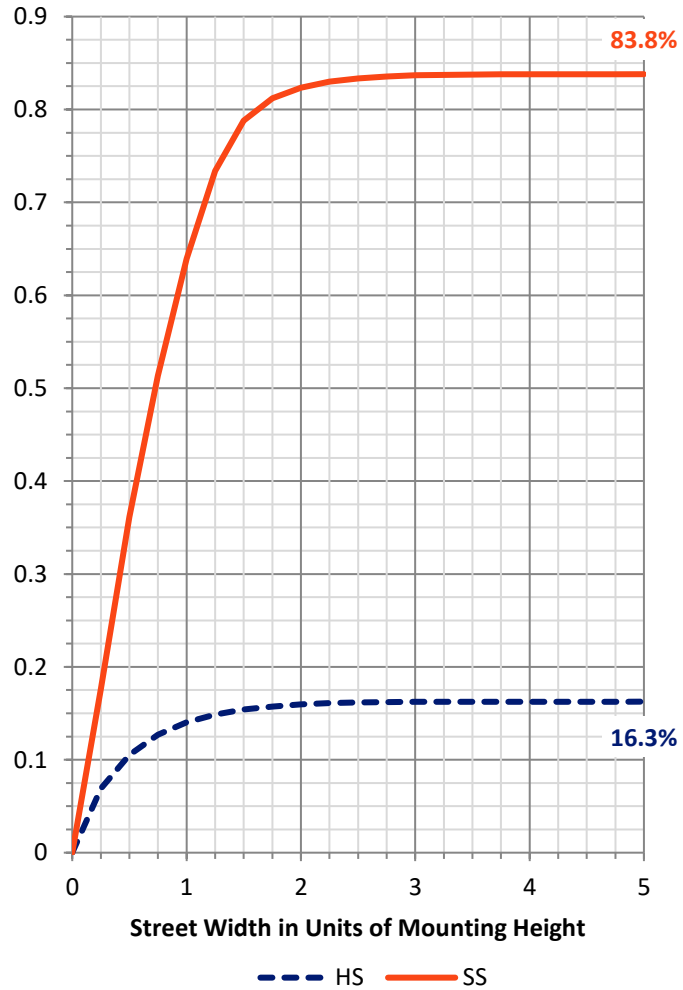
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4382.1	0.0	4382.1
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	22444.6	0.0	22444.6
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	26826.7	0.0	26826.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	455.3	1.7
10°-20°	1479.0	5.5
20°-30°	2708.4	10.1
30°-40°	4493.5	16.8
40°-50°	6862.7	25.6
50°-60°	7711.4	28.7
60°-70°	2844.3	10.6
70°-80°	271.9	1.0
80°-90°	0.2	0.0
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°	26826.7	100.0
0°-180°	26826.7	100.0

**Coefficient of Utilization**



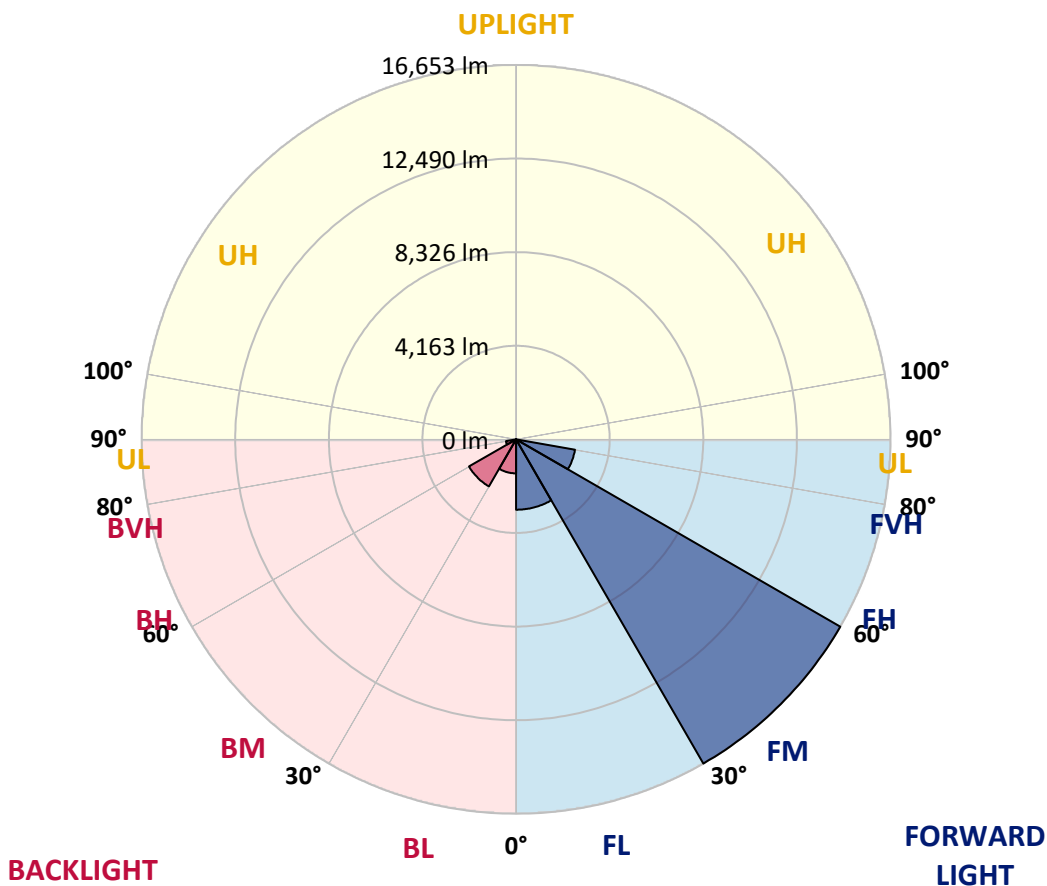
REPORT NUMBER: P643328

CATALOG NUMBER: GWS-SA6E-760-U-T2-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3130.6	11.7			
FM (30°-60°)	16652.8	62.1			
FH (60°-80°)	2661.1	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1512.1	5.6	B3/2500		
BM (30°-60°)	2414.8	9.0	B2/2500		
BH (60°-80°)	455.1	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





REPORT NUMBER: P643328

CATALOG NUMBER: GWS-SA6E-760-U-T2-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3
2.5°	4998.8	5050.6	5034.4	5002.0	4982.6	4914.6	4872.5	4749.5	4662.1	4652.4	4571.4
5°	5630.1	5620.4	5607.5	5568.6	5536.2	5429.4	5303.1	5095.9	4911.4	4888.7	4717.1
7.5°	5976.6	5983.0	5989.5	5983.0	5960.4	5879.4	5740.2	5497.4	5215.7	5196.3	4924.3
10°	6119.0	6132.0	6164.3	6225.8	6280.9	6274.4	6193.5	5944.2	5597.8	5565.4	5199.5
12.5°	6187.0	6203.2	6255.0	6371.5	6520.5	6637.0	6650.0	6426.6	6044.5	5992.7	5526.5
15°	6280.9	6297.1	6361.8	6514.0	6730.9	6960.8	7109.7	6967.2	6539.9	6484.9	5885.9
17.5°	6323.0	6345.6	6439.5	6640.3	6921.9	7274.8	7611.5	7598.6	7125.9	7083.8	6303.5
20°	6403.9	6420.1	6504.3	6721.2	7061.1	7569.4	8136.0	8340.0	7841.4	7779.9	6808.6
22.5°	6659.7	6666.2	6705.0	6841.0	7158.3	7783.1	8670.2	9204.4	8686.4	8605.5	7375.2
25°	7077.3	7074.1	7090.3	7112.9	7346.0	8000.0	9185.0	10178.9	9654.4	9567.0	8016.2
27.5°	7608.3	7608.3	7647.1	7582.4	7676.3	8268.8	9693.3	11299.1	10781.1	10658.1	8718.8
30°	8233.1	8229.9	8320.6	8216.9	8246.1	8692.9	10240.4	12519.7	12140.9	11988.7	9528.2
32.5°	9081.4	9062.0	9165.6	9023.1	8926.0	9333.9	10907.4	13795.3	13769.4	13536.3	10544.8
35°	10153.0	10120.6	10153.0	10013.8	9839.0	10230.7	11781.5	15067.6	15575.9	15329.9	11755.6
37.5°	11218.2	11321.8	11357.4	11117.8	10975.4	11367.1	12833.7	16207.3	17301.6	17045.8	13015.0
40°	12474.4	12442.0	12565.0	12296.3	12205.6	12639.5	13863.3	17055.5	18667.8	18425.0	14135.2
42.5°	13400.3	13458.6	13610.7	13461.8	13390.6	13798.5	14727.7	17550.9	19616.4	19376.8	14934.9
45°	14510.8	14552.9	14611.1	14488.1	14413.7	14815.1	15352.6	17767.8	20338.4	20079.4	15472.3
47.5°	15711.9	15744.3	15744.3	15491.8	15252.2	15417.3	15770.2	17890.8	21002.1	20752.8	15870.6
50°	16573.1	16589.3	16731.8	16553.7	16032.4	15776.7	15961.2	18010.6	21442.4	21209.3	16000.1
52.5°	15809.0	15789.6	16259.1	16628.2	16767.4	16259.1	16291.4	18185.4	21656.1	21455.4	16103.7
55°	13312.9	13280.5	13941.0	14837.8	16064.8	16715.6	16689.7	18289.0	21892.4	21769.4	16479.2
57.5°	9651.2	9596.2	10515.6	11512.8	13121.9	14886.3	15922.4	18230.7	21996.0	21986.3	16916.3
60°	5801.7	5756.4	6624.1	7673.0	8916.3	10690.5	12409.6	16330.3	20610.4	20629.8	15779.9
62.5°	3571.0	3613.1	4396.6	4930.8	5393.8	5928.0	6921.9	10985.1	15268.4	15394.6	11088.7
65°	2402.3	2434.7	3159.9	3833.3	3833.3	3134.0	2690.4	5251.3	8145.7	7932.0	5244.9
67.5°	1612.3	1647.9	2221.0	3007.7	3121.0	2185.4	1091.1	1567.0	2269.5	2201.5	1298.3
70°	948.6	987.5	1479.6	2062.3	2272.8	1521.7	728.5	663.7	644.3	624.9	505.1
72.5°	424.1	440.3	754.4	1049.0	958.3	641.0	514.8	531.0	501.8	492.1	411.2
75°	129.5	136.0	194.3	226.6	229.9	229.9	310.8	417.6	395.0	398.2	317.3
77.5°	32.4	32.4	51.8	48.6	25.9	22.7	58.3	93.9	97.1	87.4	64.8
80°	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P643328

CATALOG NUMBER: GWS-SA6E-760-U-T2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3	4474.3
2.5°	4535.8	4451.7	4396.6	4318.9	4263.9	4205.6	4153.8	4111.7	4089.0	4082.6	4085.8
5°	4639.4	4506.7	4377.2	4228.3	4124.7	4027.5	3949.8	3888.3	3859.2	3849.5	3849.5
7.5°	4798.1	4613.5	4383.7	4150.6	3975.7	3823.6	3732.9	3664.9	3639.0	3632.6	3613.1
10°	5005.3	4752.8	4374.0	4011.3	3765.3	3606.7	3541.9	3522.5	3532.2	3535.4	3532.2
12.5°	5254.6	4898.4	4312.4	3807.4	3541.9	3444.8	3451.2	3503.0	3561.3	3590.5	3596.9
15°	5520.1	5031.2	4173.2	3564.6	3350.9	3347.6	3441.5	3561.3	3674.6	3723.2	3736.2
17.5°	5817.9	5138.0	3959.5	3305.6	3185.8	3279.7	3448.0	3632.6	3784.7	3865.7	3881.8
20°	6144.9	5225.4	3687.6	3062.7	3040.1	3208.4	3441.5	3668.2	3855.9	3946.6	3962.8
22.5°	6484.9	5286.9	3373.5	2839.3	2907.3	3127.5	3380.0	3600.2	3778.2	3881.8	3894.8
25°	6873.4	5293.4	3053.0	2651.6	2784.3	3017.4	3231.1	3412.4	3561.3	3652.0	3661.7
27.5°	7213.3	5215.7	2768.1	2499.4	2671.0	2881.4	3023.9	3124.3	3227.9	3279.7	3282.9
30°	7605.0	5079.7	2499.4	2376.4	2554.4	2713.1	2784.3	2807.0	2816.7	2826.4	2813.4
32.5°	8071.3	4914.6	2298.7	2256.6	2421.7	2528.5	2548.0	2502.6	2447.6	2369.9	2350.5
35°	8644.3	4765.7	2133.6	2140.0	2276.0	2340.8	2324.6	2227.4	2120.6	2026.7	2010.5
37.5°	9265.9	4639.4	2007.3	2026.7	2117.4	2162.7	2114.1	2007.3	1958.7	1877.8	1881.0
40°	9816.3	4535.8	1894.0	1913.4	1955.5	1997.6	1919.9	1848.7	1939.3	1932.8	1939.3
42.5°	10208.1	4448.4	1796.9	1787.1	1816.3	1845.4	1787.1	1751.5	1903.7	1861.6	1884.3
45°	10437.9	4367.5	1715.9	1657.6	1703.0	1754.8	1715.9	1670.6	1722.4	1528.1	1511.9
47.5°	10593.3	4322.2	1644.7	1531.4	1612.3	1703.0	1622.0	1511.9	1437.5	1269.1	1256.2
50°	10609.5	4299.5	1560.5	1401.9	1505.5	1602.6	1508.7	1356.5	1249.7	1175.2	1165.5
52.5°	10693.7	4344.8	1444.0	1236.8	1350.1	1505.5	1440.7	1288.6	1142.9	1078.1	1065.2
55°	11069.2	4535.8	1249.7	1010.1	1175.2	1431.0	1385.7	1149.3	1010.1	971.3	961.6
57.5°	11457.8	4574.7	984.2	799.7	1023.1	1324.2	1265.9	1058.7	922.7	877.4	867.7
60°	10476.8	3768.5	738.2	660.5	903.3	1223.8	1172.0	1003.6	845.0	790.0	780.3
62.5°	6883.1	2036.4	586.0	560.1	760.8	1036.0	1068.4	906.5	754.4	696.1	692.8
65°	3172.8	945.4	450.0	443.5	595.7	825.6	919.5	793.2	637.8	586.0	586.0
67.5°	864.4	469.4	352.9	327.0	404.7	553.6	670.2	592.5	453.3	391.7	388.5
70°	430.6	378.8	317.3	281.7	291.4	343.2	395.0	330.2	229.9	187.8	184.5
72.5°	352.9	310.8	268.7	239.6	220.2	210.4	204.0	165.1	106.8	80.9	77.7
75°	262.2	223.4	191.0	155.4	132.7	123.0	110.1	80.9	45.3	25.9	22.7
77.5°	58.3	55.0	51.8	38.9	35.6	29.1	22.7	16.2	6.5	0.0	0.0
80°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)