

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: P643011

Luminaire Tested: GWS-SA6E-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28908.9 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

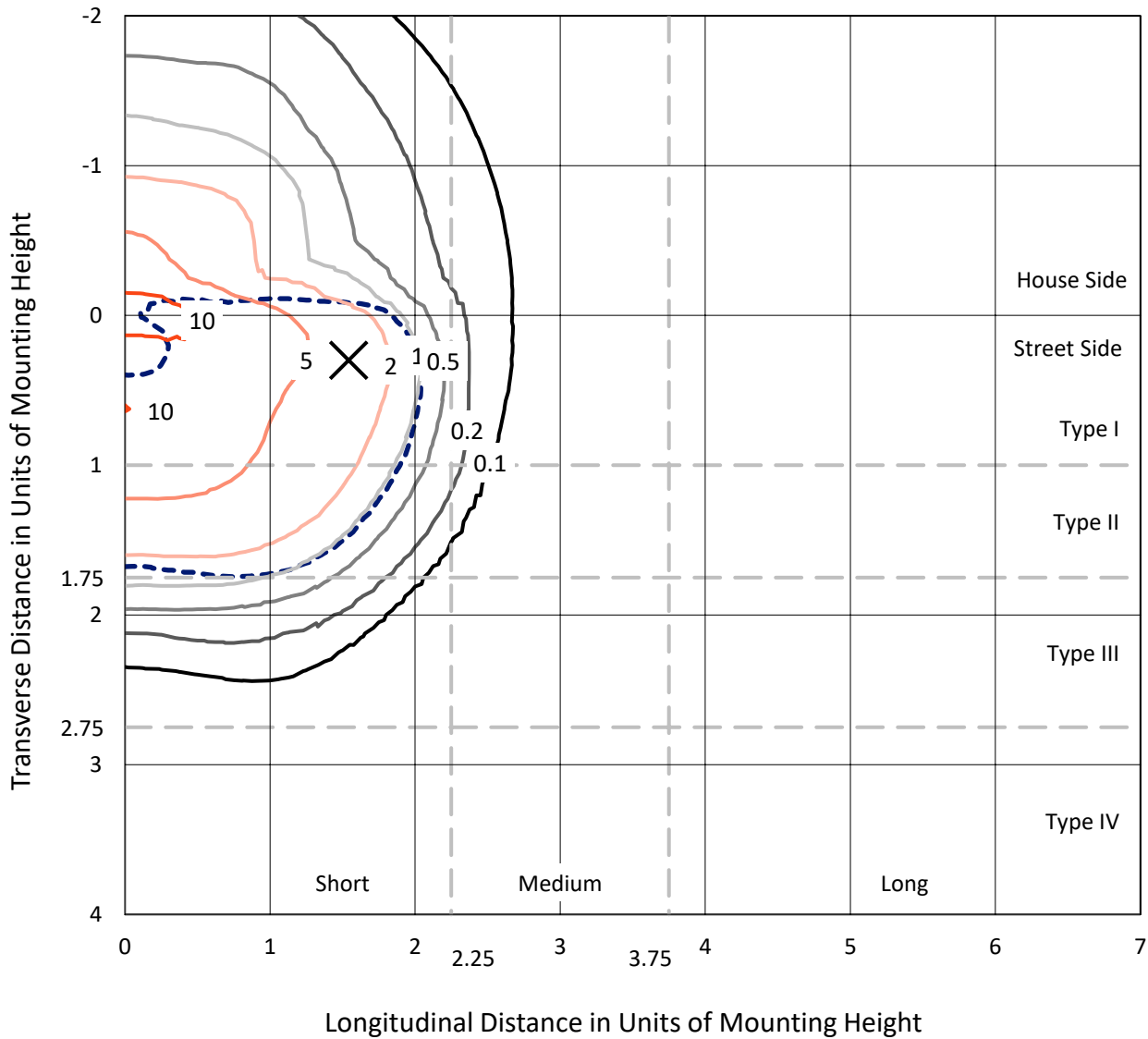
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

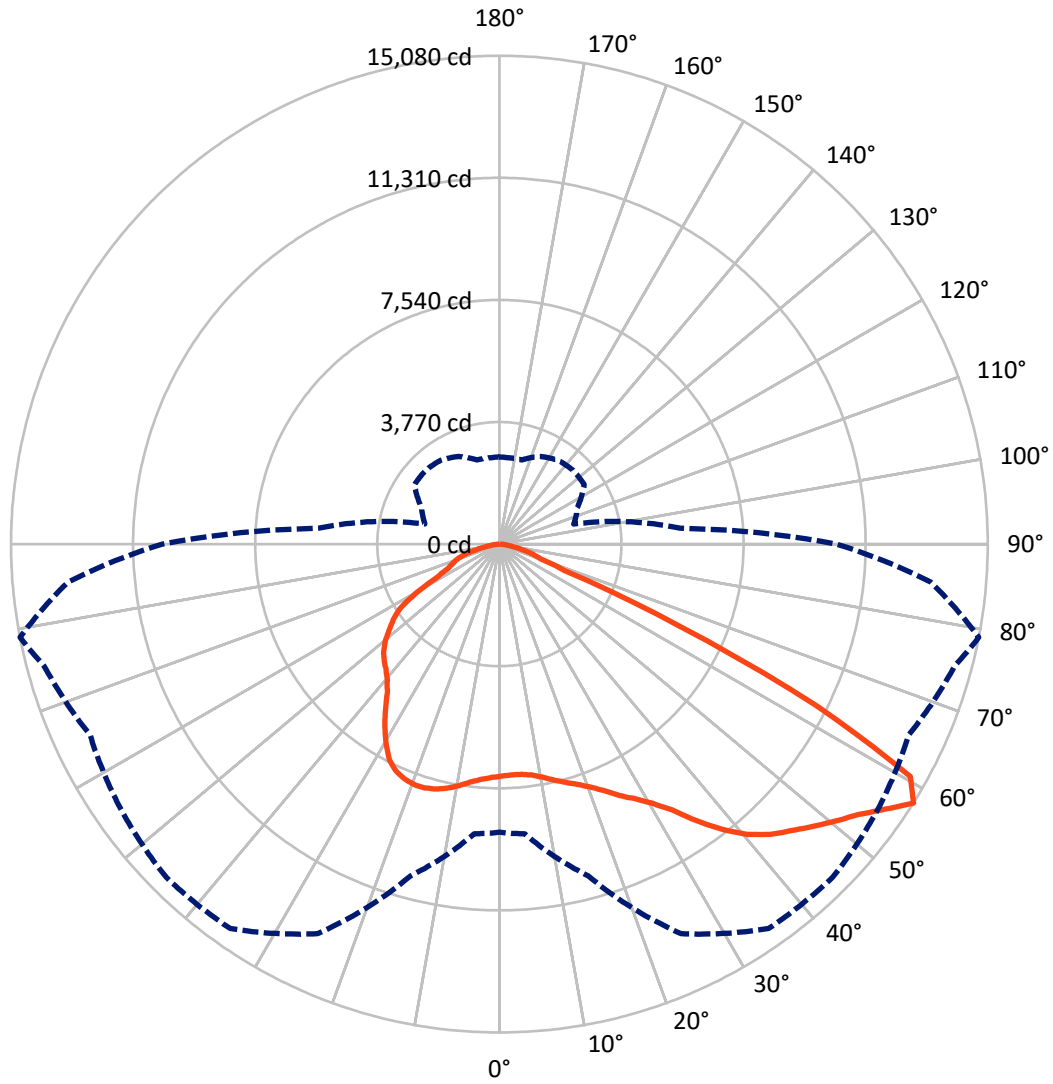
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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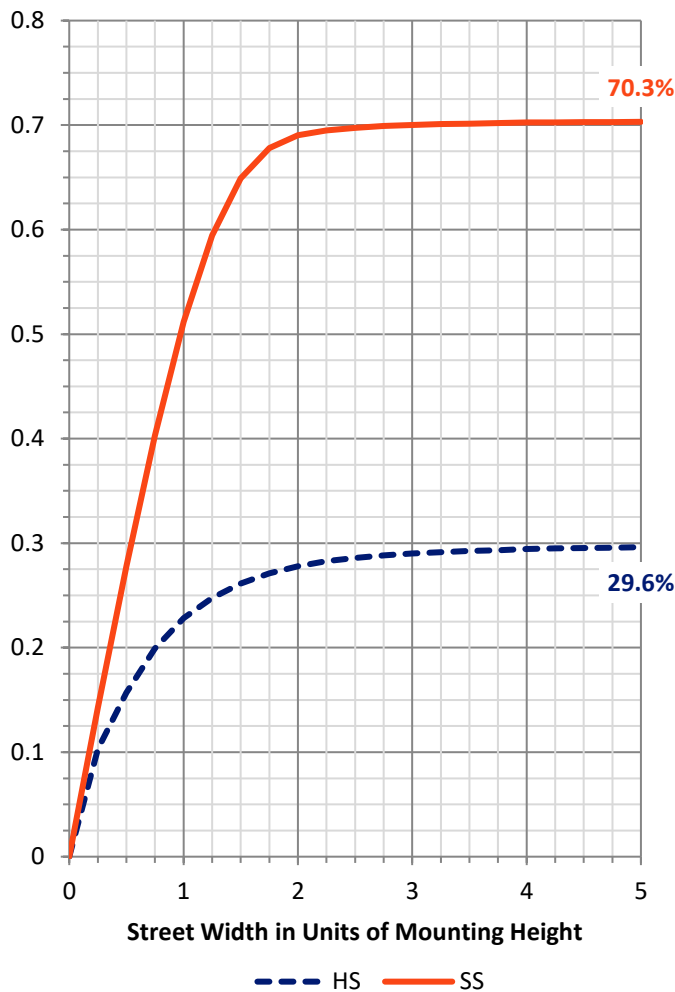
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8593.3	0.0	8593.3
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	20315.6	0.0	20315.6
	% Fixture	70.3	0.0	70.3
Total	Lumens	28908.9	0.0	28908.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.5	2.3
10°-20°	1843.8	6.4
20°-30°	3125.3	10.8
30°-40°	4783.7	16.5
40°-50°	6378.6	22.1
50°-60°	7366.8	25.5
60°-70°	3828.0	13.2
70°-80°	813.7	2.8
80°-90°	105.4	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°	28908.9	100.0
0°-180°	28908.9	100.0

Coefficient of Utilization



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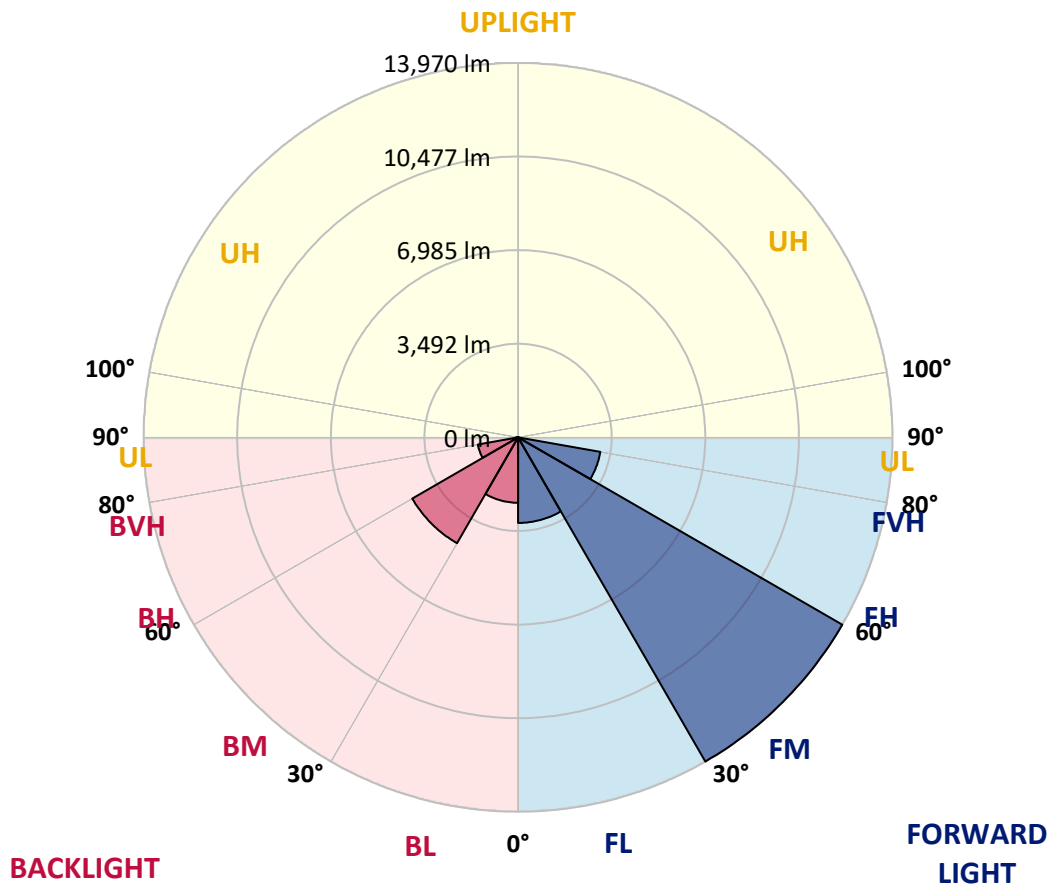
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3192.2	11.0			
FM (30°-60°)	13969.6	48.3			
FH (60°-80°)	3117.1	10.8			G2/5000
FVH (80°-90°)	36.7	0.1			G1/100
BL (0°-30°)	2440.4	8.4	B3/2500		
BM (30°-60°)	4559.5	15.8	B3/5000		
BH (60°-80°)	1524.7	5.3	B3/2500		G3/2500
BVH (80°-90°)	68.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3
2.5°	6838.1	6823.9	6828.7	6847.6	6918.5	6970.5	7024.8	7074.5	7121.7	7135.9	7147.7
5°	6594.6	6568.6	6575.7	6606.5	6689.2	6776.7	6873.6	6991.7	7105.2	7143.0	7192.7
7.5°	6422.1	6417.4	6429.2	6476.5	6563.9	6646.6	6771.9	6939.7	7135.9	7199.7	7287.2
10°	6192.8	6183.4	6230.6	6327.6	6471.7	6604.1	6753.0	6951.6	7225.7	7320.3	7455.0
12.5°	6010.8	6006.1	6055.7	6190.5	6374.8	6585.2	6790.8	7013.0	7346.3	7476.3	7641.8
15°	6117.2	6095.9	6098.3	6192.8	6358.3	6606.5	6885.4	7124.1	7466.8	7632.3	7845.0
17.5°	6426.8	6389.0	6360.6	6377.2	6471.7	6729.4	7029.6	7273.0	7606.3	7800.1	8060.1
20°	6854.7	6833.4	6755.4	6703.4	6724.7	6951.6	7256.5	7483.4	7788.3	8005.8	8284.7
22.5°	7429.0	7377.0	7270.7	7187.9	7124.1	7301.4	7582.7	7778.8	8041.2	8268.1	8558.9
25°	8140.5	8064.9	7897.0	7767.0	7629.9	7811.9	8062.5	8211.4	8388.7	8599.0	8875.6
27.5°	8866.1	8802.3	8615.6	8440.7	8270.5	8383.9	8681.8	8766.9	8748.0	8901.6	9138.0
30°	9639.1	9558.7	9381.4	9192.3	8972.5	9045.8	9312.9	9355.4	9154.5	9282.1	9442.9
32.5°	10454.5	10376.5	10222.9	10003.1	9754.9	9783.2	9856.5	9896.7	9705.2	9778.5	9901.4
35°	11284.2	11210.9	11054.9	10837.4	10655.4	10482.9	10298.5	10459.3	10348.2	10490.0	10480.5
37.5°	12042.9	11969.6	11872.7	11704.9	11392.9	11052.5	10627.1	10825.6	10998.2	11177.8	11147.1
40°	12555.8	12506.2	12529.8	12503.8	12102.0	11428.4	10787.8	11005.3	11475.6	11782.9	11766.4
42.5°	12997.8	12948.2	13085.3	13184.6	12711.8	11775.8	10865.8	11073.8	11780.5	12260.4	12236.7
45°	13194.0	13179.8	13406.8	13721.1	13269.7	12144.6	11066.7	11215.6	12012.2	12626.7	12536.9
47.5°	12960.0	13009.7	13456.4	13988.2	13732.9	12581.8	11478.0	11515.8	12314.7	13023.8	12770.9
50°	12494.4	12603.1	13205.8	13995.3	14070.9	13075.8	12047.6	11953.1	12721.3	13446.9	12893.8
52.5°	11816.0	11929.5	12912.7	13940.9	14264.8	13647.8	12806.4	12671.7	13234.2	13870.0	12915.1
55°	10258.3	10412.0	12241.5	13818.0	14453.9	14167.9	13662.0	13387.8	13896.0	14451.5	13125.5
57.5°	8899.2	8979.6	10605.8	13272.0	14491.7	14550.8	14271.9	13945.7	14553.1	15080.2	13361.8
60°	6530.8	6549.7	8012.9	10981.6	13331.1	14328.6	14222.2	13737.7	14241.1	14576.8	12279.3
62.5°	3689.7	3692.1	4859.7	7329.8	9958.2	11678.9	11745.1	11317.3	10894.2	10993.4	8547.0
65°	1385.1	1515.1	2219.5	3602.2	5741.4	6894.8	7169.0	7268.3	6563.9	6126.6	4583.2
67.5°	926.6	957.3	1295.3	1853.1	2555.1	2949.9	3299.7	3309.1	2420.4	2158.0	1805.8
70°	706.7	737.5	1018.7	1326.0	1295.3	1196.0	1292.9	1257.5	1300.0	1335.5	1373.3
72.5°	527.1	557.8	789.5	936.0	777.6	765.8	867.5	964.4	1054.2	1092.0	1151.1
75°	349.8	373.5	531.8	501.1	430.2	508.2	633.5	730.4	782.4	827.3	872.2
77.5°	222.2	238.7	283.6	229.3	238.7	297.8	368.7	456.2	505.8	550.7	574.4
80°	101.6	99.3	96.9	108.7	134.7	174.9	222.2	274.2	312.0	330.9	345.1
82.5°	40.2	44.9	49.6	59.1	73.3	94.5	125.3	160.7	191.5	196.2	208.0
85°	16.5	18.9	21.3	26.0	33.1	42.5	52.0	73.3	92.2	99.3	106.4
87.5°	0.0	0.0	0.0	0.0	2.4	4.7	7.1	11.8	21.3	23.6	26.0
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°	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3	7164.3
2.5°	7211.6	7180.8	7232.8	7268.3	7301.4	7265.9	7254.1	7223.4	7218.7	7218.7	7235.2
5°	7277.8	7256.5	7310.8	7332.1	7329.8	7251.7	7204.5	7143.0	7112.3	7112.3	7117.0
7.5°	7395.9	7384.1	7414.8	7381.8	7306.1	7147.7	6991.7	6861.7	6774.3	6729.4	6743.6
10°	7592.1	7577.9	7551.9	7429.0	7211.6	6883.0	6563.9	6327.6	6185.7	6105.4	6110.1
12.5°	7783.6	7759.9	7667.8	7395.9	6949.2	6426.8	6008.5	5743.7	5587.7	5493.2	5471.9
15°	7993.9	7932.5	7733.9	7225.7	6521.4	5869.0	5431.7	5145.7	4977.9	4921.2	4918.8
17.5°	8194.9	8086.1	7726.8	6923.2	6008.5	5285.2	4845.5	4668.3	4639.9	4665.9	4673.0
20°	8398.1	8223.2	7648.8	6504.8	5398.6	4703.7	4476.8	4550.1	4656.4	4727.3	4743.9
22.5°	8608.5	8336.7	7471.6	5965.9	4755.7	4311.3	4405.9	4566.6	4699.0	4793.5	4803.0
25°	8844.9	8443.0	7206.8	5306.4	4240.4	4202.6	4389.3	4559.5	4701.3	4810.1	4829.0
27.5°	8979.6	8445.4	6835.7	4628.1	4004.1	4160.1	4349.2	4509.9	4651.7	4769.9	4791.2
30°	9112.0	8381.6	6247.2	4077.3	3935.5	4110.4	4280.6	4429.5	4564.3	4680.1	4706.1
32.5°	9298.7	8322.5	5568.8	3760.6	3895.3	4063.2	4202.6	4335.0	4439.0	4491.0	4505.2
35°	9530.3	8246.9	4847.9	3623.5	3869.3	4025.3	4148.2	4219.2	4084.4	4056.1	4086.8
37.5°	9854.2	8175.9	4129.3	3564.4	3852.8	4011.2	4119.9	3937.9	3772.4	3706.2	3729.9
40°	10204.0	8135.8	3642.4	3517.1	3859.9	4025.3	4001.7	3732.2	3493.5	3354.1	3349.3
42.5°	10501.8	8074.3	3330.4	3486.4	3878.8	4079.7	3841.0	3550.2	3195.7	3113.0	3115.3
45°	10702.7	7918.3	3165.0	3453.3	3895.3	4091.5	3765.3	3299.7	3046.8	2994.8	2992.4
47.5°	10785.4	7634.7	3058.6	3401.3	3893.0	3994.6	3611.7	3195.7	2942.8	2928.6	2938.0
50°	10731.1	7169.0	2949.9	3299.7	3836.2	3893.0	3434.4	3103.5	2871.9	2949.9	3006.6
52.5°	10530.2	6566.3	2819.9	3160.2	3734.6	3777.1	3344.6	3046.8	2819.9	2923.9	2968.8
55°	10478.2	6077.0	2654.4	2978.2	3583.3	3571.5	3250.1	3018.4	2784.4	2744.2	2751.3
57.5°	10409.6	5599.5	2380.2	2652.0	3200.4	3219.3	3160.2	2985.3	2692.2	2680.4	2692.2
60°	9043.4	4292.4	2122.6	2288.0	2628.4	2730.0	3058.6	2923.9	2543.3	2493.7	2491.3
62.5°	5906.8	2600.0	1888.6	1994.9	2141.5	2259.7	2789.1	2746.6	2380.2	2349.5	2370.8
65°	3176.8	1853.1	1718.4	1782.2	1862.6	1952.4	2311.7	2446.4	2150.9	2042.2	2044.6
67.5°	1623.8	1576.6	1590.8	1635.7	1697.1	1742.0	1864.9	1983.1	1834.2	1742.0	1739.7
70°	1389.8	1427.7	1448.9	1474.9	1515.1	1508.0	1519.8	1541.1	1529.3	1484.4	1482.0
72.5°	1184.2	1243.3	1248.0	1252.7	1266.9	1233.8	1212.6	1177.1	1179.5	1186.6	1188.9
75°	900.6	957.3	971.5	964.4	978.6	936.0	907.7	872.2	829.6	822.6	827.3
77.5°	586.2	631.1	652.4	647.6	654.7	621.6	607.5	569.6	520.0	501.1	501.1
80°	354.6	380.6	397.1	401.8	408.9	385.3	361.6	328.6	307.3	286.0	286.0
82.5°	215.1	231.6	243.5	243.5	250.5	224.5	205.6	182.0	172.5	153.6	153.6
85°	108.7	120.5	125.3	122.9	118.2	96.9	89.8	78.0	73.3	63.8	63.8
87.5°	26.0	33.1	33.1	23.6	23.6	11.8	7.1	2.4	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)