

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: P642983

Luminaire Tested: GWS-SA6E-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19286 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

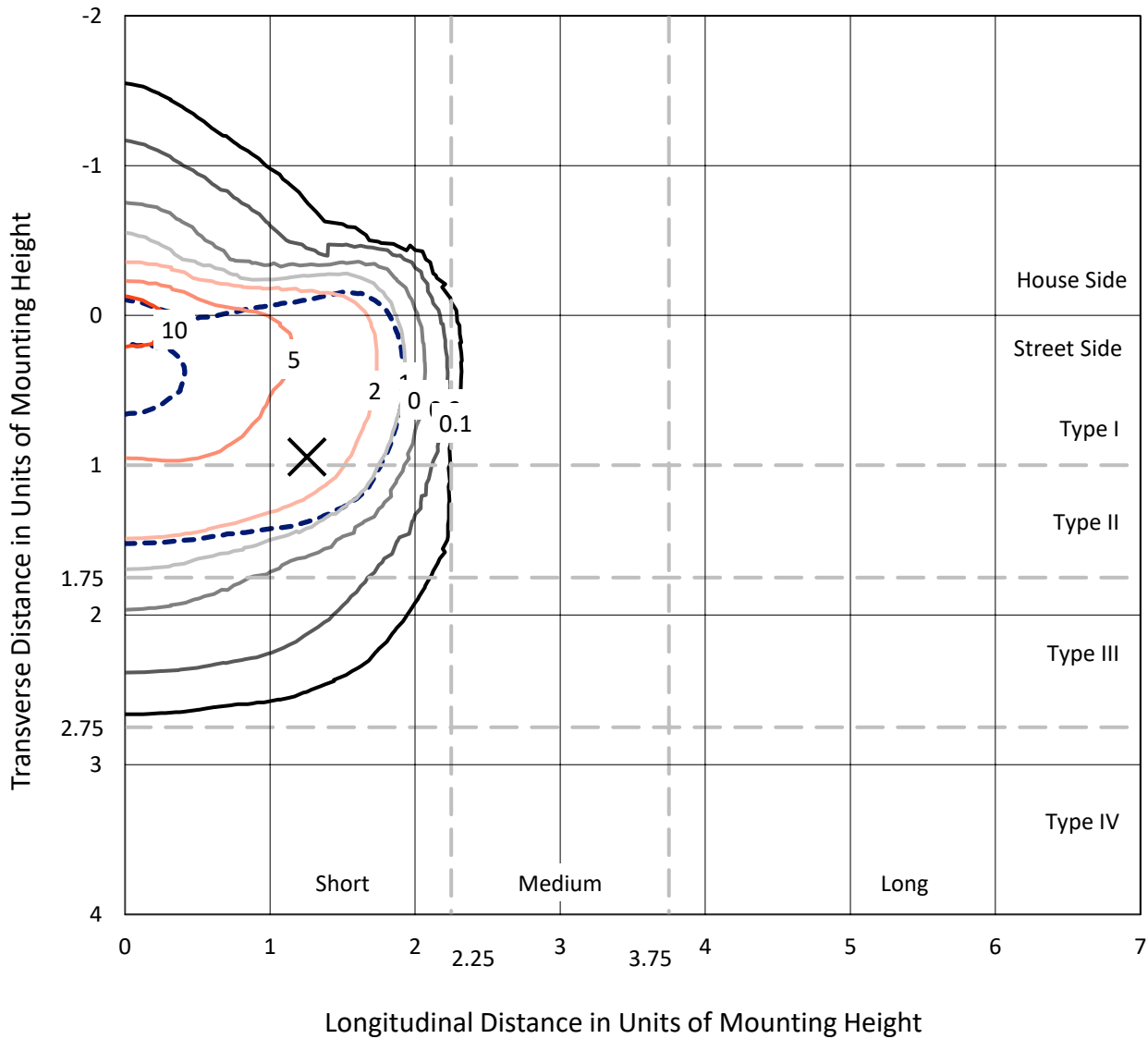
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

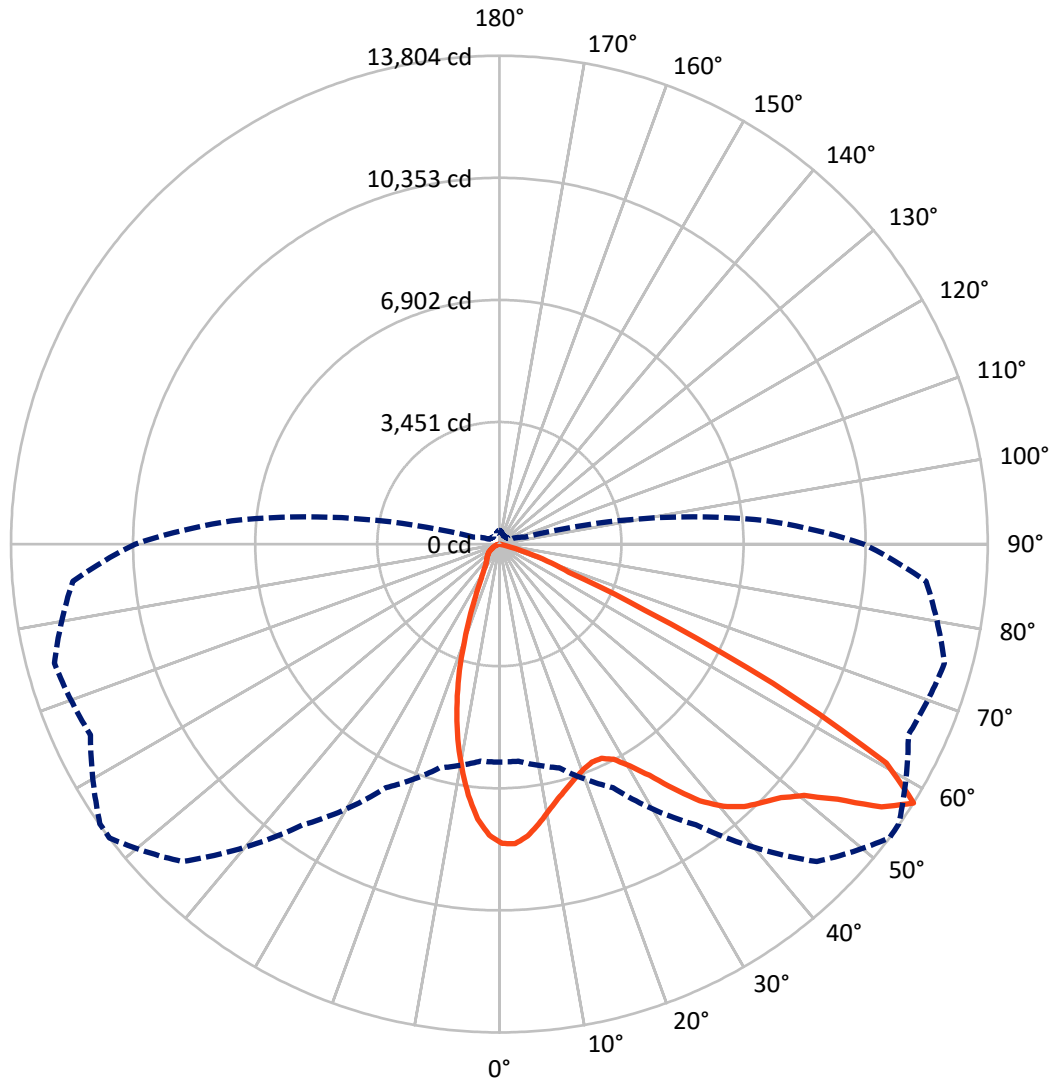
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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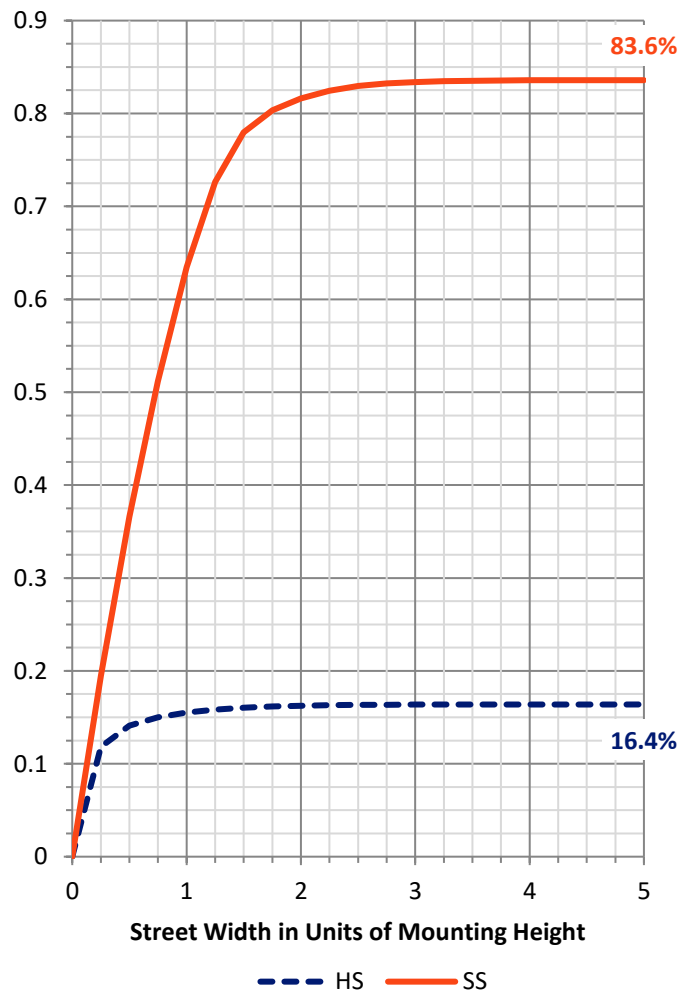
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3185.8	0.0	3185.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	16100.2	0.0	16100.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	19286.0	0.0	19286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.8	3.8
10°-20°	1589.0	8.2
20°-30°	2070.1	10.7
30°-40°	3002.7	15.6
40°-50°	4332.7	22.5
50°-60°	5240.0	27.2
60°-70°	2135.6	11.1
70°-80°	191.9	1.0
80°-90°	0.0	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°	19286.0	100.0
0°-180°	19286.0	100.0

Coefficient of Utilization



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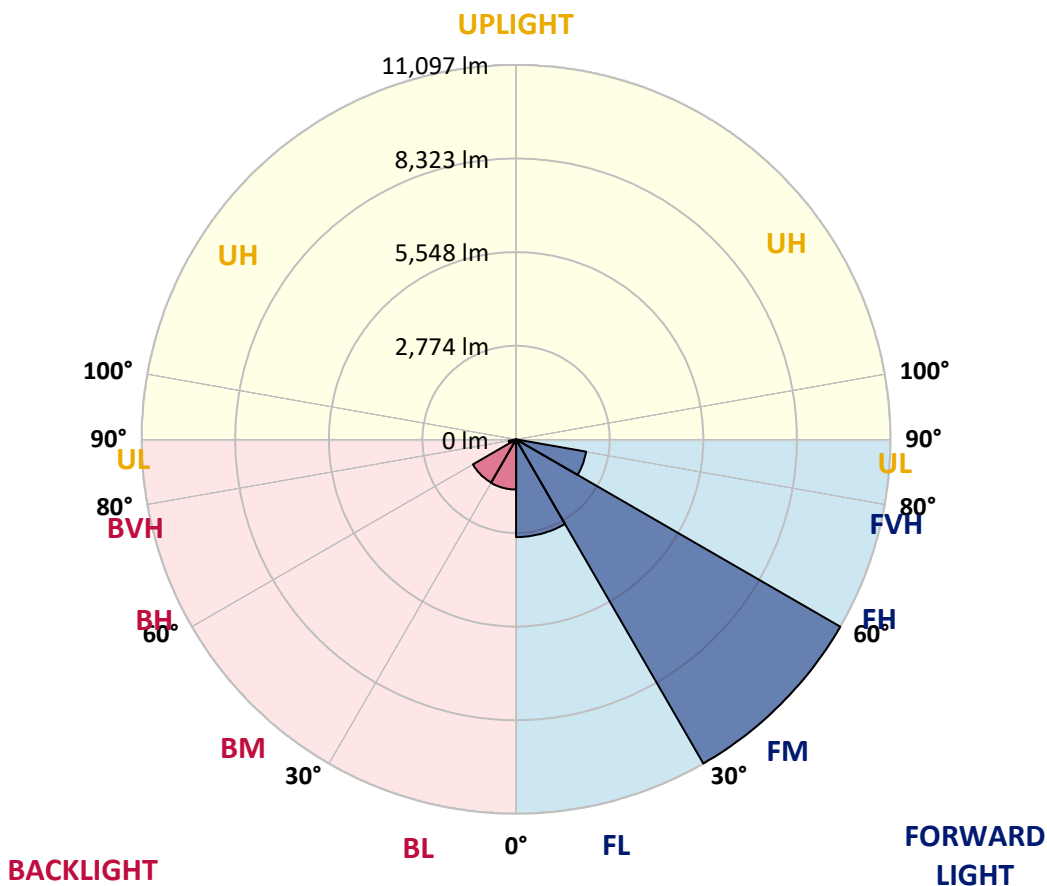
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2896.1	15.0			
FM (30°-60°)	11096.8	57.5			
FH (60°-80°)	2107.3	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1486.9	7.7	B3/2500		
BM (30°-60°)	1478.7	7.7	B2/2500		
BH (60°-80°)	220.2	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9
2.5°	8341.8	8360.7	8393.8	8436.3	8464.7	8478.8	8478.8	8519.0	8493.0	8471.8	8448.1
5°	7984.8	8003.7	8048.6	8117.2	8185.7	8235.4	8292.1	8334.7	8351.2	8351.2	8311.0
7.5°	7481.3	7507.3	7535.7	7630.3	7779.2	7890.3	7987.2	8048.6	8138.5	8166.8	8110.1
10°	6940.0	6966.0	7029.9	7159.9	7330.1	7495.5	7661.0	7739.0	7892.6	7973.0	7909.2
12.5°	6481.5	6493.3	6578.4	6734.4	6951.9	7178.8	7379.7	7460.1	7677.5	7798.1	7722.4
15°	6103.3	6110.3	6195.4	6368.0	6618.6	6897.5	7150.4	7233.1	7500.2	7682.3	7568.8
17.5°	5817.2	5819.6	5892.9	6079.6	6342.0	6651.7	6951.9	7053.5	7398.6	7618.4	7448.2
20°	5673.1	5666.0	5718.0	5881.1	6129.3	6438.9	6793.5	6918.8	7341.9	7609.0	7356.1
22.5°	5675.4	5658.9	5680.1	5796.0	6006.3	6297.1	6694.2	6836.0	7346.6	7649.2	7278.1
25°	5810.2	5786.5	5791.2	5852.7	6001.6	6266.4	6708.4	6859.7	7441.2	7783.9	7249.7
27.5°	6037.1	6011.1	6011.1	6041.8	6122.2	6363.3	6885.7	7058.2	7694.1	8046.3	7308.8
30°	6330.2	6304.2	6294.7	6325.5	6391.6	6613.8	7280.4	7460.1	8126.6	8476.5	7497.9
32.5°	6665.8	6635.1	6651.7	6694.2	6758.0	7065.3	7788.6	8027.4	8668.0	9055.6	7838.3
35°	7020.4	6994.4	7070.0	7162.2	7261.5	7691.7	8490.7	8698.7	9332.2	9776.6	8358.3
37.5°	7358.4	7346.6	7505.0	7698.8	7904.5	8443.4	9204.5	9365.3	9901.8	10561.3	8994.2
40°	7696.4	7694.1	7965.9	8306.3	8634.9	9192.7	9745.8	9878.2	10249.3	11171.2	9604.0
42.5°	8074.6	8074.6	8450.5	8904.3	9341.6	9826.2	10142.9	10202.0	10405.3	11523.4	10062.6
45°	8436.3	8457.6	8892.5	9419.6	9937.3	10320.2	10417.1	10421.9	10469.1	11731.4	10443.1
47.5°	8722.3	8741.2	9261.3	9868.7	10426.6	10696.1	10710.2	10689.0	10637.0	11930.0	10736.3
50°	8954.0	8982.3	9526.0	10168.9	10762.3	11057.7	11166.5	11145.2	11012.8	12142.7	10941.9
52.5°	9067.4	9107.6	9618.2	10317.9	11135.7	11677.0	11979.6	12029.2	11575.4	12260.9	11138.1
55°	8159.7	8218.8	8689.2	9646.6	11343.7	12634.4	13109.5	13100.0	12185.2	12613.1	11615.6
57.5°	6162.4	6157.6	6547.6	7594.8	9689.1	12688.7	13804.4	13785.5	12754.9	13022.0	12104.9
60°	4195.7	4167.3	4271.3	4777.2	6774.6	10336.8	12563.4	12818.7	12350.7	12029.2	10277.7
62.5°	3453.5	3427.5	3394.4	3254.9	3890.8	6438.9	8679.8	9067.4	9006.0	8360.7	6446.0
65°	2827.1	2848.3	2940.5	2881.4	2706.5	3302.2	4505.3	4734.6	4328.1	3642.6	2252.7
67.5°	2084.8	2094.3	2214.9	2526.9	2432.3	2198.3	2120.3	2158.1	1264.6	581.5	375.8
70°	1231.5	1238.6	1349.7	1768.1	1973.7	1687.7	1432.4	1411.2	501.1	156.0	170.2
72.5°	697.3	683.1	704.4	841.5	1075.5	895.9	737.5	671.3	151.3	87.5	87.5
75°	330.9	321.5	276.6	260.0	236.4	151.3	94.6	80.4	37.8	35.5	35.5
77.5°	2.4	7.1	4.7	7.1	7.1	4.7	2.4	2.4	7.1	7.1	9.5
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9	8459.9
2.5°	8405.6	8334.7	8318.1	8313.4	8247.2	8176.3	8103.0	8074.6	8032.1	8006.1	8027.4
5°	8247.2	8145.6	8055.7	7973.0	7826.4	7665.7	7526.2	7436.4	7351.3	7294.6	7308.8
7.5°	8022.6	7890.3	7684.6	7474.2	7204.8	6963.7	6694.2	6528.7	6375.1	6290.0	6330.2
10°	7783.9	7609.0	7280.4	6923.5	6500.4	6122.2	5736.9	5422.5	5240.5	5067.9	5086.8
12.5°	7549.9	7318.2	6826.6	6285.3	5751.1	5193.2	4611.7	4176.8	3878.9	3663.8	3630.8
15°	7332.4	7034.6	6384.5	5670.7	4942.6	4200.4	3458.2	2836.5	2491.4	2278.7	2264.5
17.5°	7138.6	6769.8	5926.0	5027.7	4115.3	3165.1	2311.8	1846.1	1647.5	1555.4	1545.9
20°	6951.9	6502.7	5457.9	4375.3	3212.4	2221.9	1595.5	1380.4	1316.6	1278.8	1283.5
22.5°	6772.2	6212.0	4966.3	3652.0	2408.7	1560.1	1236.3	1153.5	1146.4	1151.2	1153.5
25°	6620.9	5944.9	4460.4	2954.7	1718.5	1189.0	1033.0	1009.3	1030.6	1061.3	1066.1
27.5°	6542.9	5727.4	3966.4	2252.7	1243.3	966.8	895.9	905.3	943.1	976.2	981.0
30°	6564.2	5564.3	3455.8	1633.4	957.3	815.5	791.9	810.8	848.6	879.3	884.1
32.5°	6715.5	5481.6	2933.4	1189.0	787.1	711.5	702.0	716.2	749.3	773.0	775.3
35°	7015.7	5500.5	2437.0	910.1	676.0	633.5	631.1	640.6	657.1	673.7	676.0
37.5°	7457.7	5654.1	1947.7	756.4	612.2	581.5	572.0	572.0	583.9	590.9	595.7
40°	7932.8	5885.8	1560.1	668.9	567.3	534.2	515.3	508.2	517.7	527.1	529.5
42.5°	8325.2	6117.4	1267.0	607.5	531.8	486.9	463.3	458.6	470.4	486.9	491.7
45°	8625.4	6297.1	1056.6	557.9	491.7	442.0	416.0	416.0	437.3	465.7	470.4
47.5°	8899.6	6441.3	900.6	512.9	453.8	401.8	375.8	380.6	416.0	453.8	460.9
50°	9086.3	6557.1	784.8	472.8	423.1	368.7	345.1	354.6	397.1	442.0	449.1
52.5°	9287.3	6698.9	709.1	437.3	394.7	342.7	321.5	328.6	375.8	425.5	434.9
55°	9842.7	7174.0	706.8	390.0	345.1	307.3	297.8	300.2	347.5	404.2	416.0
57.5°	10296.6	7592.4	754.0	328.6	288.4	269.5	264.7	267.1	309.7	373.5	387.7
60°	8519.0	5900.0	624.0	271.8	241.1	236.4	229.3	234.0	274.2	330.9	342.7
62.5°	5041.9	3373.1	297.8	208.0	205.6	200.9	193.8	203.3	241.1	290.7	297.8
65°	1723.2	999.9	189.1	170.2	174.9	167.8	160.7	170.2	203.3	231.6	234.0
67.5°	330.9	264.7	151.3	141.8	144.2	130.0	127.6	137.1	156.0	160.7	158.4
70°	172.6	153.6	115.8	115.8	111.1	92.2	92.2	101.6	101.6	94.6	92.2
72.5°	89.8	85.1	75.6	85.1	70.9	56.7	56.7	61.5	56.7	47.3	47.3
75°	35.5	35.5	33.1	42.5	30.7	26.0	23.6	28.4	21.3	16.5	16.5
77.5°	9.5	9.5	9.5	11.8	7.1	7.1	4.7	4.7	2.4	0.0	0.0
80°	0.0	2.4	0.0	2.4	0.0	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)