

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: P643144

Luminaire Tested: GWS-SA6E-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25925 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

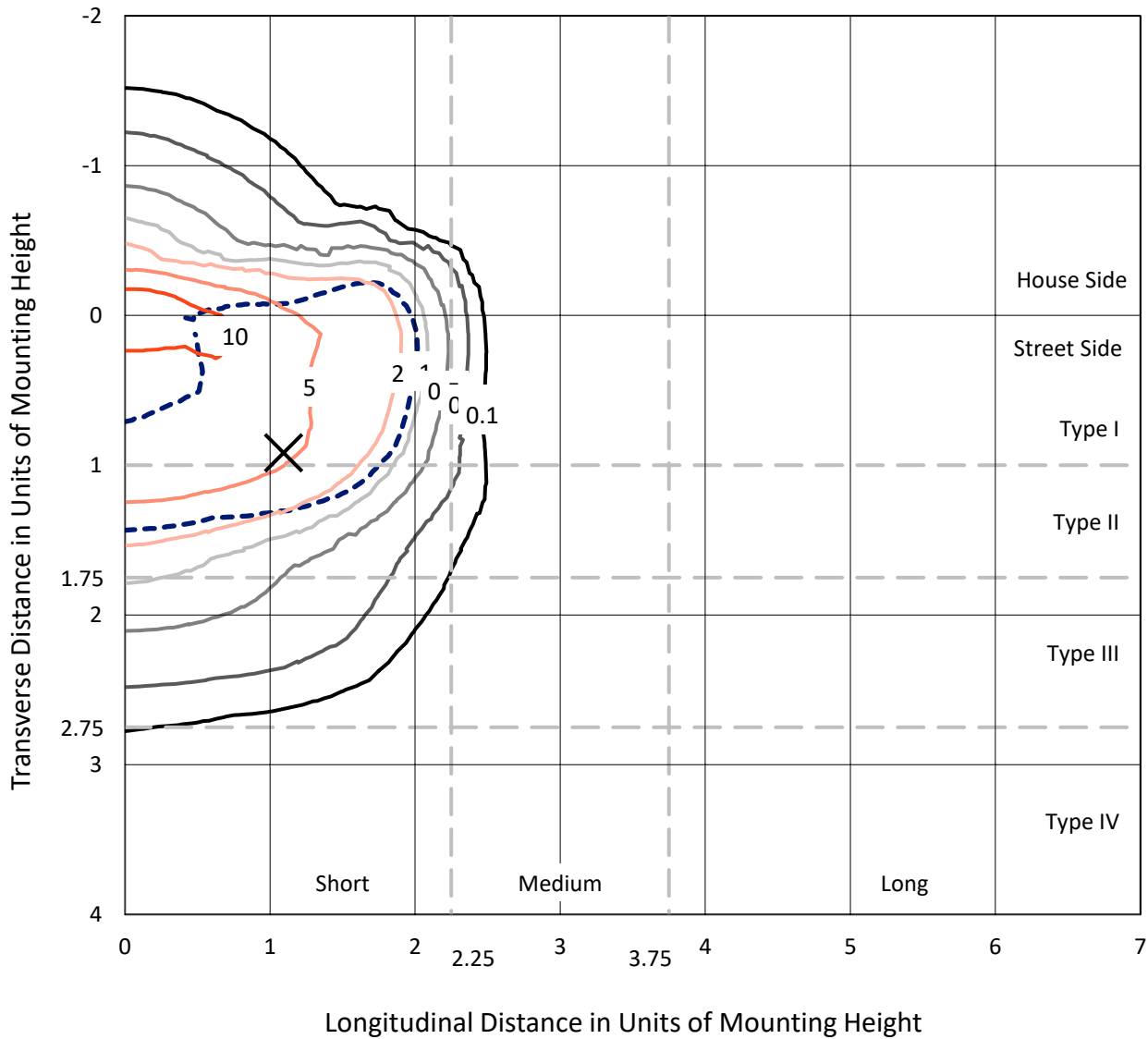
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643144
 CATALOG NUMBER: GWS-SA6E-735-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

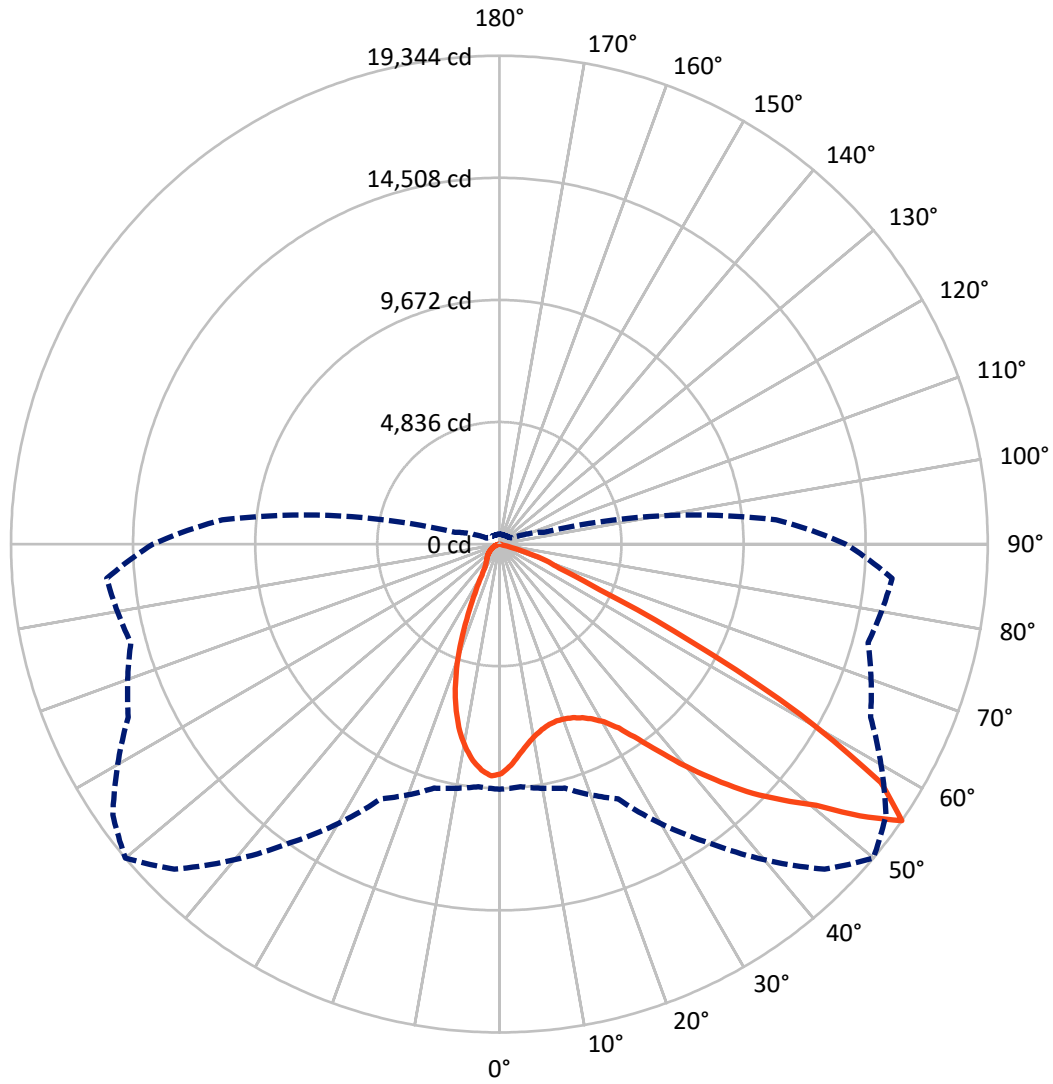
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type II - Short - N/A

REPORT NUMBER: P643144
CATALOG NUMBER: GWS-SA6E-735-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P643144

CATALOG NUMBER: GWS-SA6E-735-U-SL2-W-GRSBK

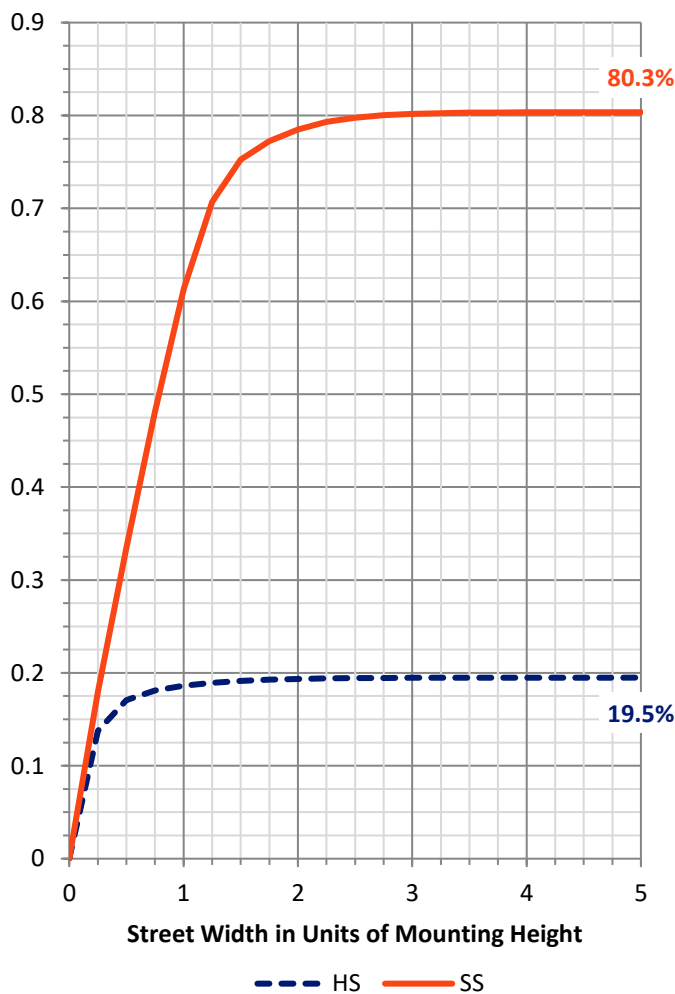
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5108.4	0.0	5108.4
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	20816.6	0.0	20816.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	25925.0	0.0	25925.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.8	3.1
10°-20°	1965.8	7.6
20°-30°	2772.7	10.7
30°-40°	4103.1	15.8
40°-50°	5919.5	22.8
50°-60°	6982.5	26.9
60°-70°	3114.8	12.0
70°-80°	267.8	1.0
80°-90°	0.1	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°	25925.0	100.0
0°-180°	25925.0	100.0

Coefficient of Utilization



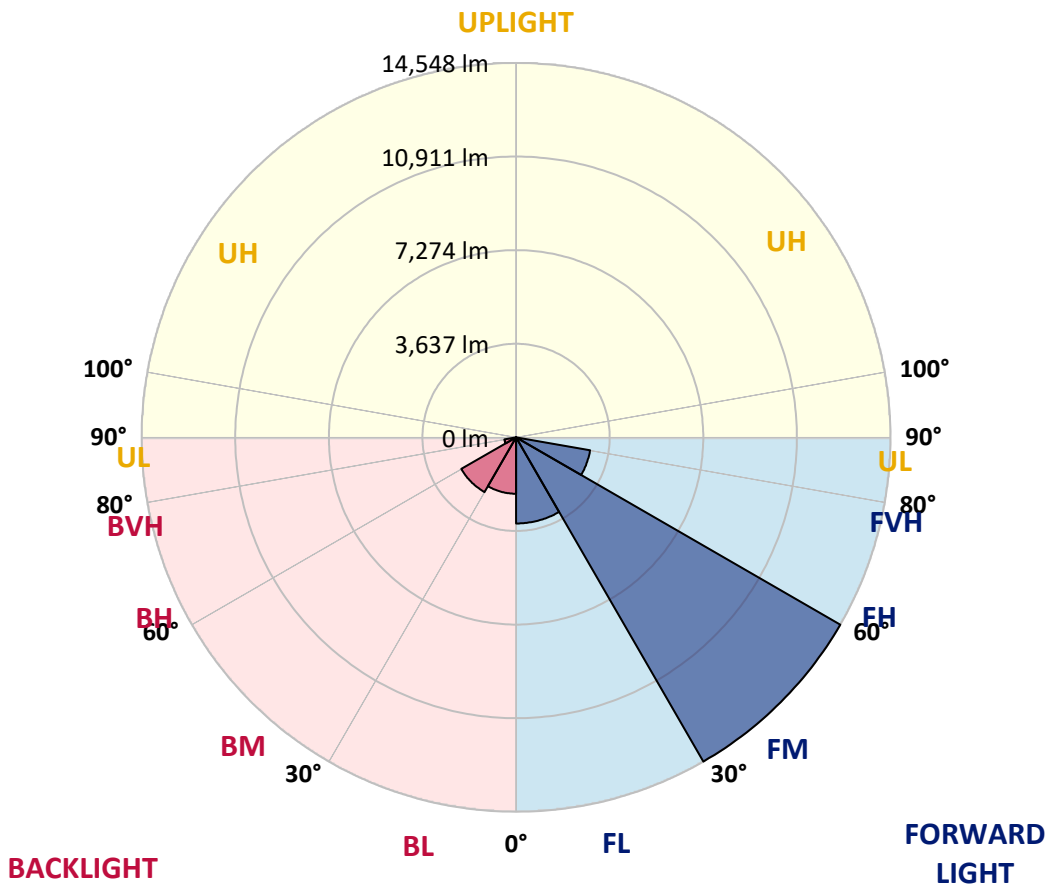
REPORT NUMBER: P643144

CATALOG NUMBER: GWS-SA6E-735-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3347.0	12.9			
FM (30°-60°)	14548.3	56.1			
FH (60°-80°)	2921.3	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2190.3	8.4	B3/2500		
BM (30°-60°)	2456.8	9.5	B2/2500		
BH (60°-80°)	461.3	1.8	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: P643144

CATALOG NUMBER: GWS-SA6E-735-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9
2.5°	8450.3	8456.6	8459.8	8545.2	8576.9	8703.5	8769.9	8804.8	8896.5	9004.1	9092.8
5°	7883.8	7874.3	7890.1	7997.7	8067.3	8254.1	8355.3	8425.0	8627.5	8880.7	9092.8
7.5°	7390.0	7409.0	7428.0	7545.1	7649.6	7852.1	7997.7	8102.2	8383.8	8760.5	9118.1
10°	7041.9	7041.9	7070.4	7203.3	7326.8	7576.8	7722.4	7855.3	8190.8	8652.8	9146.6
12.5°	6785.6	6788.7	6823.5	6975.4	7117.9	7377.4	7529.3	7659.1	8029.4	8545.2	9152.9
15°	6665.3	6655.8	6684.3	6845.7	7003.9	7247.6	7405.9	7532.5	7915.4	8485.1	9184.5
17.5°	6633.6	6627.3	6649.5	6807.7	6969.1	7206.5	7361.6	7488.2	7899.6	8504.1	9279.5
20°	6725.4	6712.8	6703.3	6839.4	6991.3	7225.5	7386.9	7529.3	7975.6	8608.5	9425.1
22.5°	6943.8	6943.8	6921.6	6988.1	7089.4	7301.4	7469.2	7655.9	8174.9	8817.4	9640.3
25°	7345.7	7314.1	7272.9	7301.4	7288.8	7421.7	7621.1	7880.6	8551.6	9162.4	9903.0
27.5°	7804.7	7833.1	7763.5	7766.7	7655.9	7608.4	7839.5	8231.9	9111.8	9649.8	10292.3
30°	8428.1	8406.0	8409.1	8399.7	8143.3	7918.6	8168.6	8690.8	9817.5	10393.5	10798.6
32.5°	8915.5	8947.2	9051.6	9111.8	8776.3	8415.5	8681.3	9314.3	10621.4	11241.7	11419.0
35°	9431.4	9488.4	9700.4	9896.7	9615.0	9200.4	9485.2	10140.3	11377.8	12080.4	12131.1
37.5°	9975.8	10089.7	10342.9	10687.9	10643.6	10276.4	10536.0	11112.0	11972.8	12586.8	12719.7
40°	10599.3	10710.0	11124.6	11621.5	11726.0	11643.7	11729.1	12064.6	12365.3	12609.0	12972.9
42.5°	11282.9	11434.8	11960.2	12624.8	13017.2	13090.0	12890.7	12855.8	12536.2	12355.8	12919.1
45°	12089.9	12267.2	12862.2	13723.0	14346.5	14444.6	14099.6	13653.4	12643.8	12169.1	12757.7
47.5°	12995.1	13162.8	13754.7	14789.6	15716.9	15754.9	15153.6	14435.1	12963.4	12384.3	12881.2
50°	13298.9	13403.4	13916.1	15131.4	16840.4	17131.6	16261.3	15315.0	13605.9	13017.2	13482.5
52.5°	12254.5	12295.6	12741.9	13969.9	16612.6	18483.0	17878.5	16628.4	14748.4	13982.5	14409.8
55°	9709.9	9643.5	10004.3	11131.0	14438.3	18207.7	19343.9	18691.9	16220.1	15115.6	15615.6
57.5°	6791.9	6712.8	6630.5	7393.2	10773.3	15435.2	17824.7	18979.9	17622.2	16239.1	16916.4
60°	5582.9	5506.9	5108.2	4756.8	6513.4	11083.5	13691.4	15865.7	17508.2	16182.1	16875.3
62.5°	4823.3	4779.0	4617.6	4139.7	3832.7	6326.6	8573.7	10656.2	13435.0	12707.1	12745.1
65°	3788.4	3775.7	3886.5	3937.1	3389.6	3500.4	4373.9	5538.6	7263.5	6848.9	6494.4
67.5°	2588.9	2560.4	2769.3	3405.4	3259.9	2763.0	2560.4	2582.6	3142.7	1921.1	1525.5
70°	1645.7	1579.3	1582.5	2111.0	2652.2	2180.6	1974.9	1737.5	1563.5	284.8	322.8
72.5°	1053.9	1012.8	870.3	952.6	1228.0	1063.4	1072.9	924.2	617.2	151.9	177.2
75°	443.1	408.3	313.3	250.0	246.9	155.1	136.1	126.6	85.5	85.5	91.8
77.5°	3.2	0.0	0.0	3.2	6.3	3.2	3.2	6.3	12.7	19.0	22.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P643144
 CATALOG NUMBER: GWS-SA6E-735-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9	9095.9
2.5°	9146.6	9070.6	9156.1	9187.7	9184.5	9187.7	9095.9	9032.6	9029.5	8950.3	8912.4
5°	9181.4	9121.3	9184.5	9143.4	9045.3	8921.9	8757.3	8614.9	8551.6	8459.8	8415.5
7.5°	9247.8	9184.5	9175.1	9010.5	8766.8	8507.3	8216.1	7956.6	7817.3	7649.6	7659.1
10°	9295.3	9222.5	9099.1	8763.6	8358.5	7943.9	7510.3	7124.2	6880.5	6655.8	6617.8
12.5°	9314.3	9206.7	8918.7	8412.3	7842.6	7301.4	6665.3	6114.6	5734.8	5440.5	5399.3
15°	9349.1	9175.1	8687.7	7988.2	7206.5	6440.6	5630.4	4877.1	4373.9	4035.3	4063.7
17.5°	9402.9	9140.2	8428.1	7513.5	6522.9	5440.5	4345.4	3481.4	3019.3	2823.1	2826.3
20°	9478.9	9099.1	8143.3	6991.3	5703.2	4310.6	3038.3	2386.3	2256.6	2250.2	2240.8
22.5°	9580.2	9058.0	7839.5	6418.4	4731.5	3019.3	2022.4	1819.8	1873.6	1978.1	1997.1
25°	9700.4	9007.3	7500.8	5772.8	3671.3	1981.2	1516.0	1484.3	1614.1	1753.4	1785.0
27.5°	9887.2	8982.0	7114.7	5038.5	2576.2	1421.0	1240.6	1259.6	1376.7	1493.8	1522.3
30°	10203.6	9029.5	6693.8	4215.7	1655.2	1133.0	1076.1	1104.6	1167.8	1228.0	1253.3
32.5°	10634.1	9168.7	6285.5	3316.8	1180.5	984.3	971.6	987.4	1012.8	1047.6	1057.1
35°	11137.3	9409.3	5864.6	2373.7	974.8	898.8	886.2	886.2	898.8	905.2	908.3
37.5°	11551.9	9662.4	5469.0	1579.3	873.5	832.4	813.4	803.9	800.7	807.1	810.2
40°	11732.3	9766.9	5038.5	1148.9	800.7	772.2	743.8	715.3	715.3	737.4	740.6
42.5°	11605.7	9649.8	4541.6	949.5	750.1	708.9	664.6	639.3	652.0	674.1	680.5
45°	11336.7	9361.8	3994.1	838.7	699.4	645.6	595.0	579.2	591.8	620.3	626.7
47.5°	11292.4	9171.9	3339.0	765.9	645.6	591.8	538.0	522.2	538.0	560.2	566.5
50°	11732.3	9336.5	2611.0	702.6	595.0	534.9	490.6	474.7	484.2	496.9	503.2
52.5°	12536.2	9947.3	2107.8	642.5	534.9	477.9	449.4	430.4	430.4	443.1	446.3
55°	13723.0	11013.9	1819.8	572.8	465.2	433.6	408.3	389.3	389.3	395.6	398.8
57.5°	15090.3	12305.1	1886.3	481.1	408.3	392.4	370.3	354.5	360.8	360.8	360.8
60°	14900.4	12210.2	2019.2	405.1	360.8	354.5	335.5	329.1	345.0	332.3	326.0
62.5°	10975.9	8434.5	1057.1	332.3	310.2	303.8	291.2	303.8	326.0	291.2	278.5
65°	5329.7	4082.7	424.1	272.2	262.7	256.4	250.0	269.0	281.7	227.9	215.2
67.5°	1253.3	1019.1	275.3	231.0	218.4	205.7	212.0	215.2	205.7	155.1	148.8
70°	326.0	319.7	215.2	193.1	174.1	161.4	161.4	158.2	136.1	98.1	91.8
72.5°	177.2	174.1	155.1	145.6	120.3	107.6	110.8	98.1	76.0	57.0	53.8
75°	88.6	94.9	88.6	82.3	66.5	60.1	60.1	53.8	38.0	22.2	22.2
77.5°	19.0	22.2	22.2	19.0	15.8	12.7	12.7	15.8	6.3	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)