

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: P642157

Luminaire Tested: GWS-SA6C-735-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27520.7 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 189.2
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

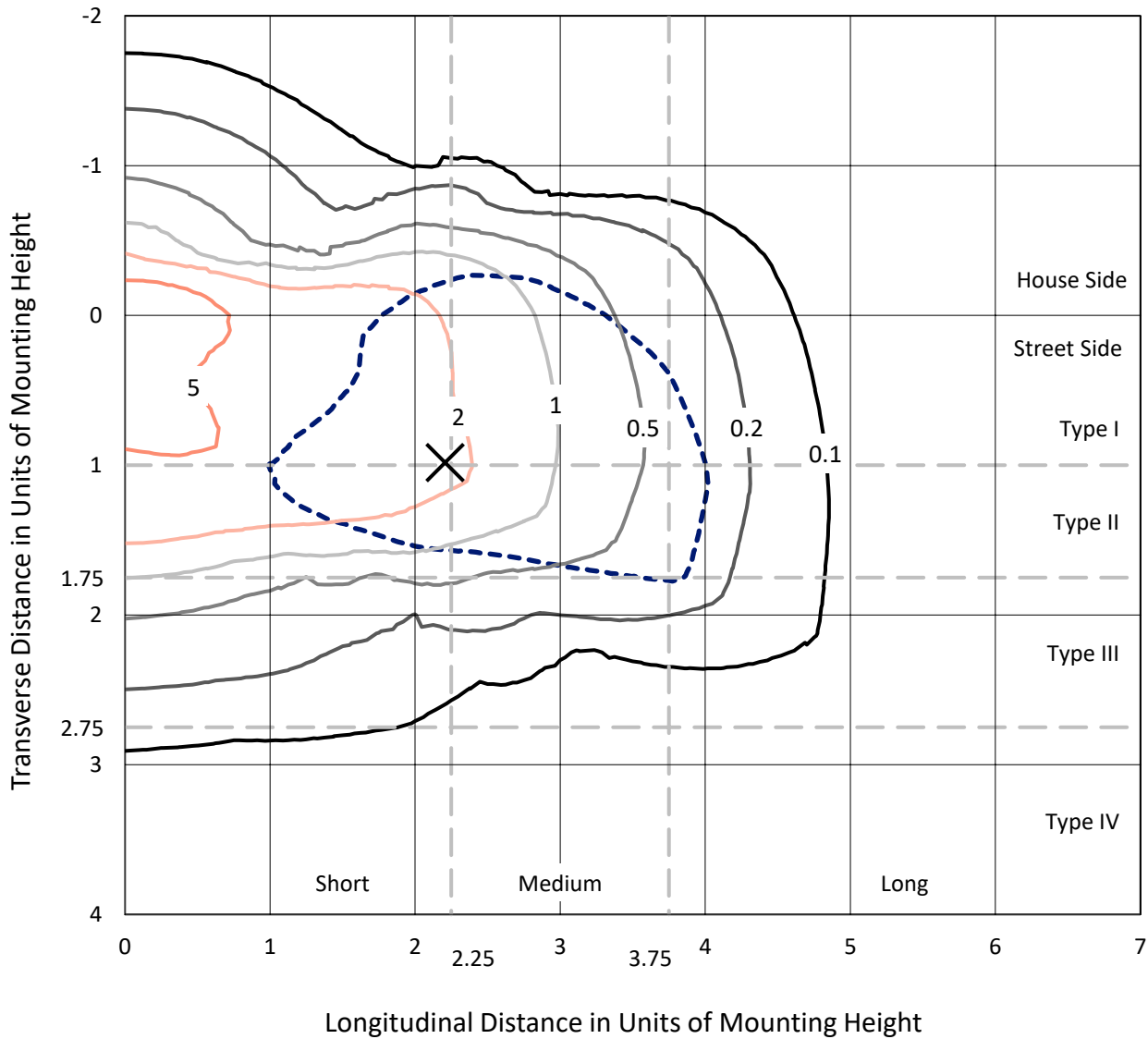


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Iso-Footcandle Lines of Horizontal Illumination

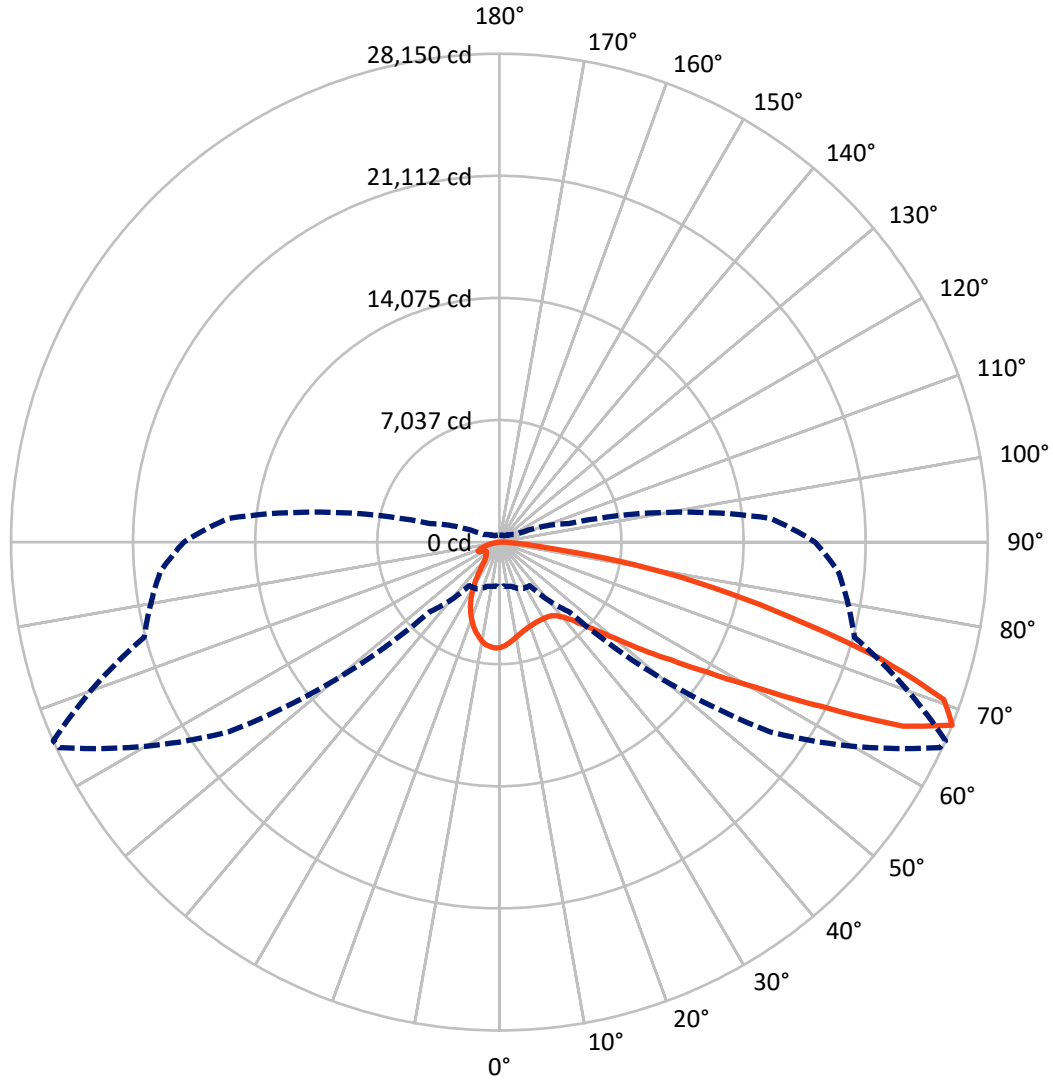
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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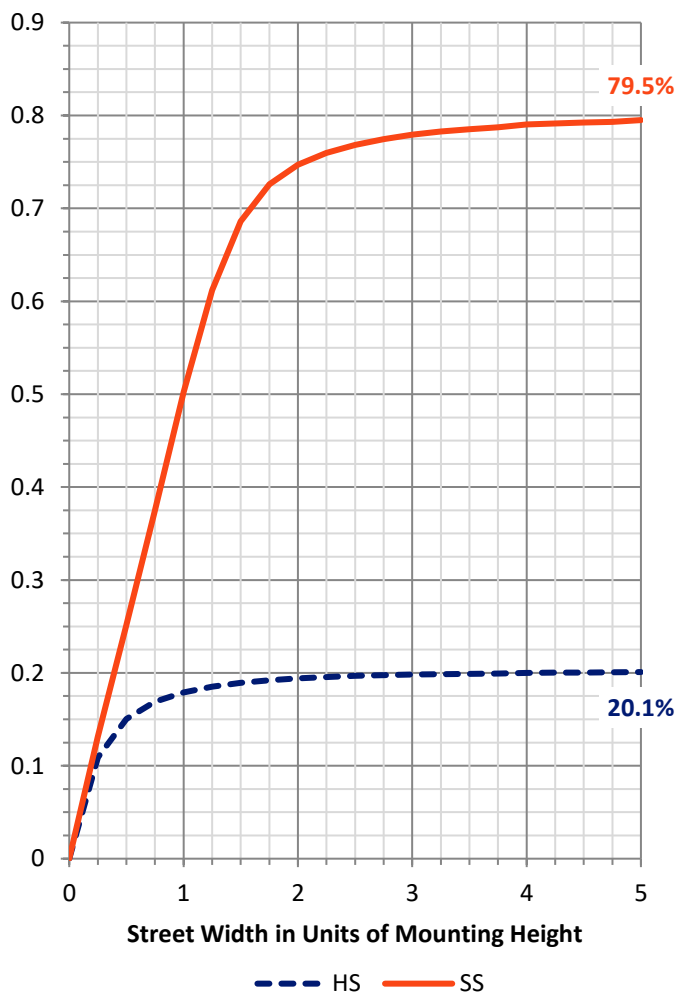
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5584.6	0.0	5584.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	21936.1	0.0	21936.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	27520.7	0.0	27520.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.7	1.9
10°-20°	1311.7	4.8
20°-30°	1802.9	6.6
30°-40°	2464.9	9.0
40°-50°	3734.9	13.6
50°-60°	5806.1	21.1
60°-70°	7068.8	25.7
70°-80°	4305.9	15.6
80°-90°	491.8	1.8
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°	27520.7	100.0
0°-180°	27520.7	100.0

Coefficient of Utilization



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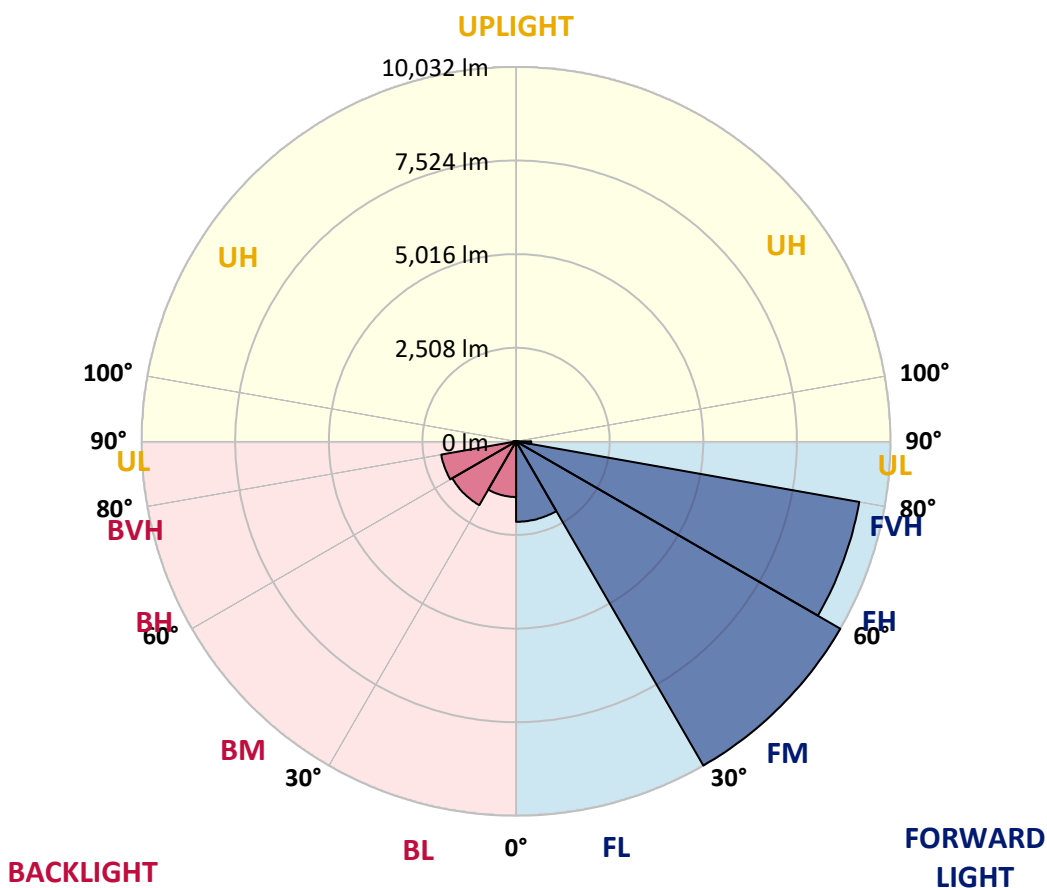
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2156.4	7.8			
FM (30°-60°)	10032.3	36.5			
FH (60°-80°)	9338.5	33.9			G4/12000
FVH (80°-90°)	408.9	1.5			G3/500
BL (0°-30°)	1491.9	5.4	B3/2500		
BM (30°-60°)	1973.5	7.2	B2/2500		
BH (60°-80°)	2036.2	7.4	B3/2500		G3/2500
BVH (80°-90°)	82.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3
2.5°	5695.8	5715.9	5703.8	5780.1	5784.2	5880.5	5934.7	5980.9	5984.9	6045.2	6085.3
5°	5306.3	5318.4	5318.4	5390.6	5438.8	5567.3	5691.8	5824.3	5834.3	5978.9	6089.3
7.5°	4991.1	5003.2	4995.1	5091.5	5153.7	5296.3	5454.9	5657.7	5677.7	5910.6	6103.4
10°	4744.2	4740.2	4760.2	4848.6	4928.9	5099.5	5276.2	5507.1	5537.2	5832.3	6119.4
12.5°	4575.5	4579.5	4591.6	4683.9	4770.3	4938.9	5121.6	5372.6	5404.7	5742.0	6111.4
15°	4495.2	4487.2	4497.2	4581.5	4663.9	4812.4	5001.2	5260.1	5292.3	5661.7	6113.4
17.5°	4477.1	4471.1	4469.1	4529.3	4591.6	4730.1	4910.8	5173.8	5207.9	5609.5	6125.5
20°	4533.4	4525.3	4503.2	4529.3	4555.4	4671.9	4846.6	5111.6	5149.7	5575.4	6149.6
22.5°	4688.0	4673.9	4639.8	4607.6	4573.5	4643.8	4806.4	5065.4	5103.5	5553.3	6173.6
25°	4922.9	4910.8	4874.7	4802.4	4677.9	4665.9	4798.4	5045.3	5083.5	5537.2	6183.7
27.5°	5246.1	5228.0	5191.9	5087.5	4884.7	4748.2	4828.5	5043.3	5079.5	5519.1	6173.6
30°	5629.6	5617.5	5597.4	5471.0	5199.9	4922.9	4896.8	5059.4	5087.5	5509.1	6153.6
32.5°	6019.1	6007.0	6023.1	5962.8	5629.6	5212.0	5045.3	5103.5	5123.6	5507.1	6135.5
35°	6362.4	6376.4	6492.9	6502.9	6175.7	5603.5	5280.2	5205.9	5210.0	5547.2	6143.5
37.5°	6721.7	6776.0	6928.5	7059.0	6786.0	6121.4	5629.6	5398.7	5394.7	5649.6	6193.7
40°	7197.6	7221.7	7416.4	7661.3	7490.7	6832.2	6125.5	5713.9	5685.8	5858.4	6328.2
42.5°	7661.3	7719.6	8030.8	8311.8	8255.6	7633.2	6749.9	6185.7	6135.5	6227.9	6605.3
45°	8251.6	8307.8	8657.2	9018.5	9120.9	8538.7	7548.9	6856.3	6806.1	6784.0	7113.2
47.5°	8841.9	8900.1	9213.3	9735.3	10094.7	9671.0	8588.9	7741.7	7659.3	7573.0	7880.2
50°	9239.4	9307.7	9606.8	10233.2	11076.4	11084.5	9821.6	8902.1	8797.7	8661.2	8960.3
52.5°	9225.3	9269.5	9554.6	10277.4	11783.1	12708.7	11471.9	10379.8	10295.4	9998.3	10259.3
55°	8500.6	8566.8	8853.9	9757.4	11859.4	14248.6	13897.2	12122.4	11971.9	11439.8	11726.9
57.5°	7045.0	7101.2	7390.3	8504.6	11182.8	15037.6	16977.0	14342.9	14136.1	13009.8	13341.1
60°	5318.4	5250.1	5386.6	6362.4	9564.6	15057.7	19695.4	17354.5	17009.2	14688.3	14965.3
62.5°	3991.3	3923.0	3953.1	4228.2	6484.8	13841.0	21245.4	21474.3	20904.1	16583.5	16529.3
65°	3154.1	3115.9	3202.3	3391.0	3780.5	10540.4	21257.4	25929.3	25569.9	18779.9	18133.5
67.5°	2569.8	2545.8	2634.1	2983.4	3065.7	5663.7	19061.0	28009.3	28149.8	21185.1	19621.2
70°	2069.9	2033.8	2172.3	2632.1	2850.9	3427.1	13654.3	26949.2	27176.1	22618.6	19201.5
72.5°	1429.5	1431.5	1501.8	2132.2	2752.5	2959.3	7723.6	22440.0	22931.8	21319.7	16880.7
75°	963.7	971.7	991.8	1407.4	2535.7	2871.0	4115.8	16989.1	17336.4	17621.5	13953.4
77.5°	582.2	586.2	632.4	851.3	1748.7	2680.3	2788.7	12315.2	12588.2	11616.5	8649.1
80°	337.3	351.3	393.5	570.2	1180.5	2013.7	2158.3	7550.9	7860.1	5163.8	2748.5
82.5°	148.6	158.6	214.8	331.3	688.6	1712.6	1684.5	2983.4	2939.3	1439.5	953.7
85°	26.1	32.1	46.2	104.4	253.0	903.5	1307.0	1317.0	1238.7	546.1	395.5
87.5°	0.0	0.0	0.0	0.0	0.0	6.0	196.8	353.4	351.3	154.6	136.5
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°	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3	6081.3
2.5°	6111.4	6057.2	6105.4	6111.4	6101.4	6093.3	6033.1	5980.9	5974.9	5918.7	5918.7
5°	6133.5	6083.3	6107.4	6061.2	5988.9	5914.7	5786.2	5697.8	5657.7	5585.4	5585.4
7.5°	6163.6	6111.4	6083.3	5968.9	5800.2	5637.6	5430.8	5258.1	5187.9	5085.5	5081.5
10°	6191.7	6125.5	6029.1	5806.2	5537.2	5278.2	4977.1	4732.1	4565.5	4443.0	4443.0
12.5°	6189.7	6103.4	5912.6	5583.4	5212.0	4836.5	4435.0	4065.6	3844.7	3654.0	3641.9
15°	6185.7	6067.2	5764.1	5324.4	4832.5	4312.5	3766.4	3284.6	2957.3	2770.6	2754.6
17.5°	6181.7	6021.1	5597.4	5029.3	4370.7	3662.0	2941.3	2419.3	2146.2	2031.8	2035.8
20°	6181.7	5968.9	5418.8	4690.0	3838.7	2883.0	2158.3	1778.8	1710.6	1716.6	1722.6
22.5°	6163.6	5904.6	5220.0	4320.5	3246.4	2120.1	1592.1	1463.6	1499.7	1556.0	1564.0
25°	6121.4	5798.2	4989.1	3911.0	2541.7	1543.9	1299.0	1274.9	1341.1	1411.4	1431.5
27.5°	6055.2	5675.7	4730.1	3431.1	1871.2	1240.8	1142.4	1140.4	1192.6	1244.8	1262.8
30°	5984.9	5539.2	4457.1	2897.1	1355.2	1080.1	1042.0	1042.0	1068.1	1100.2	1096.2
32.5°	5902.6	5400.7	4163.9	2341.0	1104.2	989.8	977.7	971.7	975.7	987.8	987.8
35°	5832.3	5278.2	3862.8	1752.7	989.8	939.6	927.6	913.5	907.5	899.4	903.5
37.5°	5806.2	5181.8	3551.6	1321.1	933.6	903.5	883.4	863.3	849.3	845.2	843.2
40°	5848.4	5141.7	3240.4	1088.2	893.4	865.3	843.2	817.1	805.1	805.1	805.1
42.5°	6013.0	5171.8	2923.2	983.8	865.3	833.2	801.1	777.0	773.0	777.0	779.0
45°	6314.2	5288.3	2593.9	931.6	841.2	801.1	762.9	744.9	744.9	748.9	748.9
47.5°	6852.2	5593.4	2268.7	899.4	817.1	775.0	734.8	716.7	714.7	718.8	718.8
50°	7783.8	6143.5	1975.6	877.4	799.1	754.9	714.7	690.6	684.6	682.6	682.6
52.5°	8958.3	7097.2	1788.9	861.3	777.0	732.8	692.7	660.5	648.5	642.5	642.5
55°	10377.8	8368.1	1788.9	849.3	748.9	706.7	660.5	628.4	610.3	602.3	602.3
57.5°	11985.9	9847.7	2098.0	839.2	726.8	676.6	626.4	594.3	574.2	562.2	562.2
60°	13622.2	11411.7	2863.0	825.2	706.7	638.4	588.3	558.1	532.0	518.0	516.0
62.5°	15318.7	13134.3	3870.8	833.2	692.7	602.3	548.1	514.0	491.9	477.8	475.8
65°	16872.6	14774.6	4752.2	895.4	694.7	570.2	501.9	471.8	453.7	435.7	433.7
67.5°	18191.7	15680.1	4133.8	1021.9	736.8	532.0	455.7	425.6	409.6	397.5	395.5
70°	17268.1	14298.8	2345.0	1100.2	795.0	491.9	403.5	383.5	367.4	359.4	357.4
72.5°	14766.6	12106.4	1568.0	971.7	724.8	439.7	355.4	339.3	327.3	317.2	315.2
75°	11961.8	9600.8	1198.6	797.1	564.2	357.4	305.2	293.1	281.1	271.0	269.0
77.5°	7077.1	5547.2	883.4	630.4	397.5	279.1	253.0	242.9	230.9	222.9	220.8
80°	2258.7	1927.4	560.1	433.7	263.0	214.8	194.7	186.7	174.7	164.6	162.6
82.5°	861.3	744.9	297.1	220.8	174.7	146.6	130.5	122.5	114.4	104.4	102.4
85°	381.5	357.4	164.6	118.5	94.4	72.3	64.2	60.2	50.2	42.2	40.2
87.5°	134.5	134.5	70.3	34.1	20.1	10.0	6.0	2.0	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)