

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: P642262

Luminaire Tested: GWS-SA6C-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25604.6 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

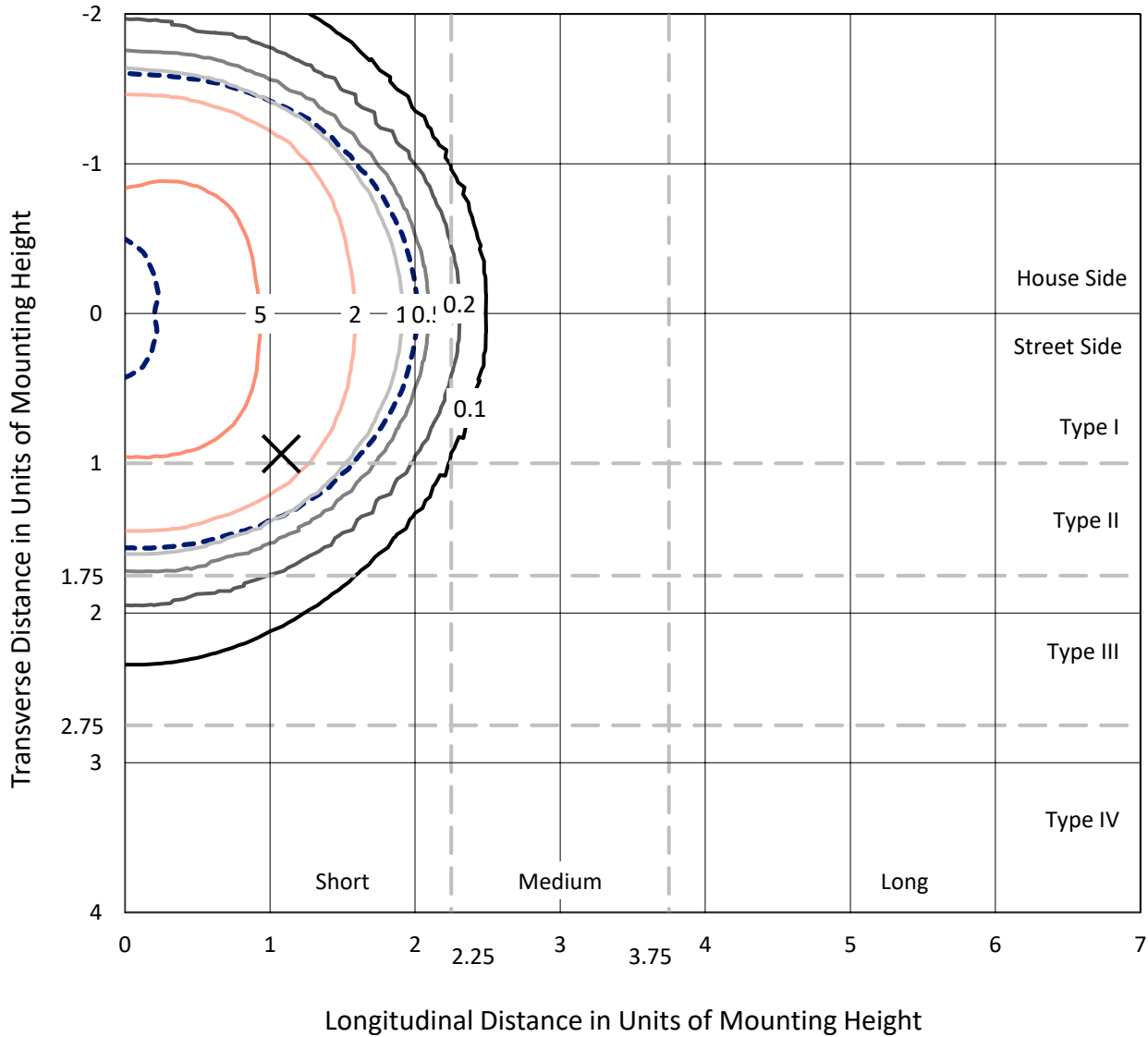
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642262
 CATALOG NUMBER: GWS-SA6C-750-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

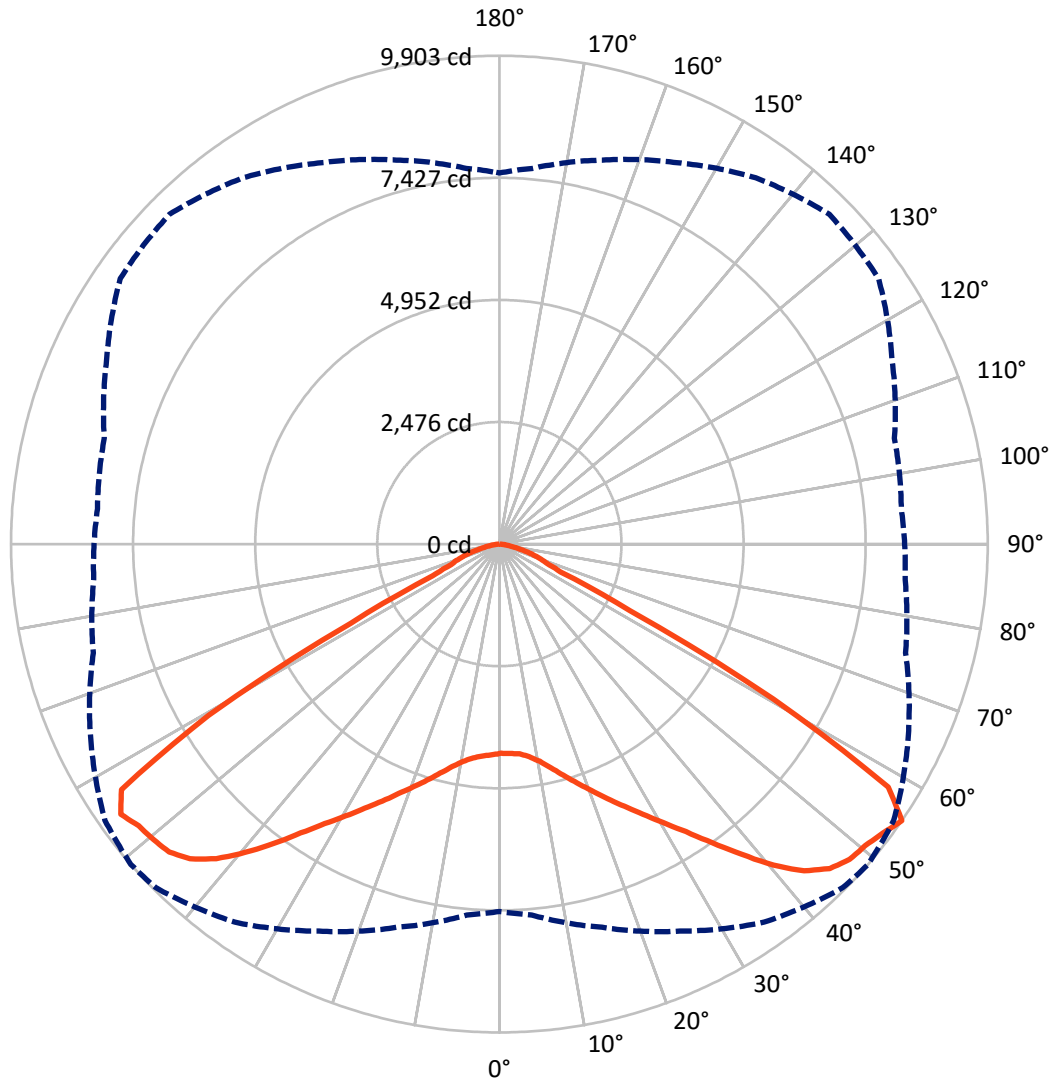
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

REPORT NUMBER: P642262
CATALOG NUMBER: GWS-SA6C-750-U-RW-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P642262

CATALOG NUMBER: GWS-SA6C-750-U-RW-W-GRSWH

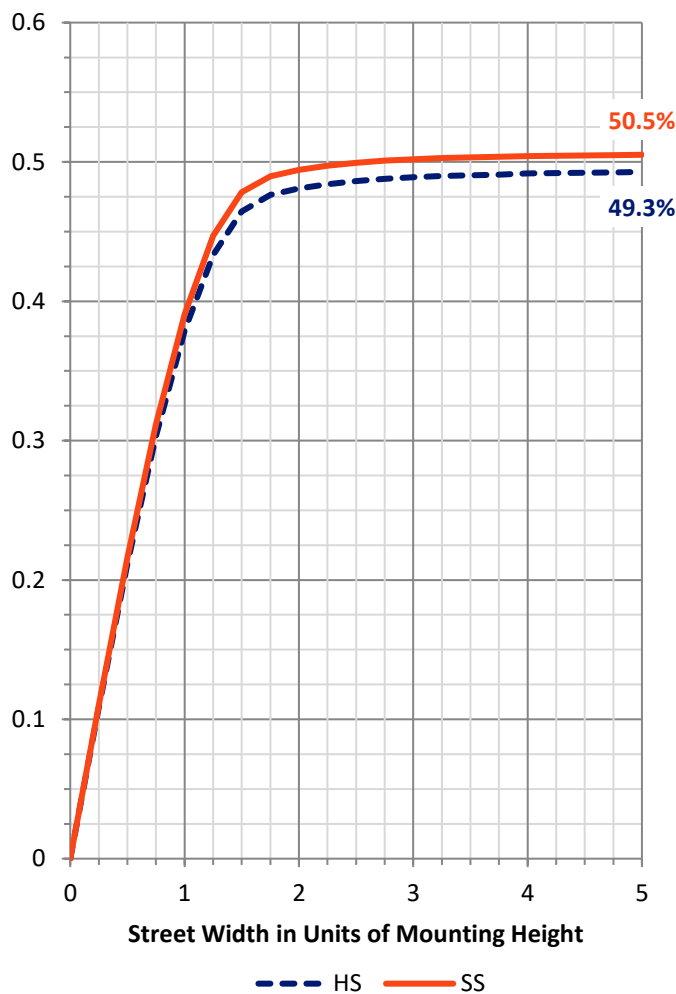
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12676.7	0.0	12676.7
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	12927.9	0.0	12927.9
	% Fixture	50.5	0.0	50.5
Total	Lumens	25604.6	0.0	25604.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.8	1.6
10°-20°	1364.8	5.3
20°-30°	2599.5	10.2
30°-40°	4406.7	17.2
40°-50°	6631.8	25.9
50°-60°	7259.1	28.4
60°-70°	2295.4	9.0
70°-80°	550.9	2.2
80°-90°	82.7	0.3
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°	25604.6	100.0
0°-180°	25604.6	100.0

Coefficient of Utilization



REPORT NUMBER: P642262

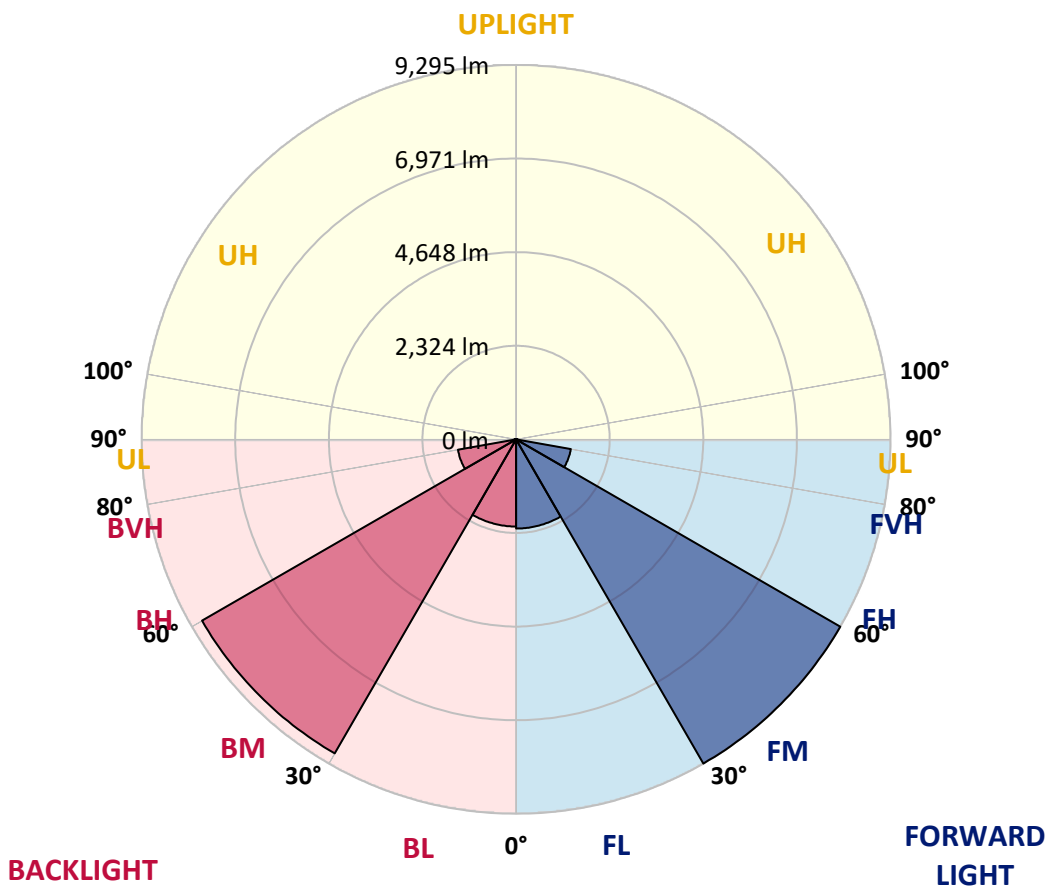
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2213.7	8.6			
FM (30°-60°)	9295.2	36.3			
FH (60°-80°)	1380.7	5.4			G1/1800
FVH (80°-90°)	38.3	0.1			G1/100
BL (0°-30°)	2164.3	8.5	B3/2500		
BM (30°-60°)	9002.4	35.2	B5		
BH (60°-80°)	1465.6	5.7	B3/2500		G1/1800
BVH (80°-90°)	44.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P642262

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6
2.5°	4179.1	4183.3	4191.6	4206.2	4220.7	4241.6	4249.9	4260.3	4258.2	4270.7	4270.7
5°	4158.3	4164.5	4177.0	4197.8	4222.8	4262.4	4272.8	4297.8	4322.8	4354.0	4364.4
7.5°	4183.3	4191.6	4206.2	4239.5	4277.0	4329.0	4349.8	4391.5	4439.4	4495.6	4518.5
10°	4231.1	4241.6	4266.5	4320.7	4381.1	4460.2	4478.9	4531.0	4608.0	4685.1	4730.9
12.5°	4285.3	4301.9	4347.8	4433.1	4522.7	4626.8	4655.9	4720.5	4803.8	4903.7	4966.2
15°	4347.8	4362.3	4433.1	4553.9	4693.4	4830.8	4864.2	4926.6	5020.3	5118.2	5205.6
17.5°	4478.9	4503.9	4587.2	4726.7	4889.1	5051.6	5089.0	5159.8	5234.8	5311.8	5395.1
20°	4658.0	4678.8	4785.0	4957.9	5149.4	5297.3	5334.7	5397.2	5432.6	5472.2	5543.0
22.5°	4837.1	4866.2	4987.0	5191.1	5416.0	5576.3	5605.4	5663.7	5638.8	5626.3	5672.1
25°	5059.9	5099.4	5218.1	5440.9	5670.0	5867.8	5890.7	5940.7	5899.0	5834.5	5832.4
27.5°	5336.8	5372.2	5495.1	5724.1	5951.1	6157.2	6201.0	6267.6	6176.0	6096.8	6040.6
30°	5665.8	5688.7	5824.1	6067.7	6300.9	6496.6	6552.9	6619.5	6550.8	6419.6	6363.4
32.5°	6049.0	6080.2	6236.4	6492.5	6700.7	6896.4	6952.7	7035.9	6961.0	6813.1	6742.3
35°	6509.1	6540.4	6704.9	6983.9	7196.3	7398.3	7437.8	7506.5	7412.8	7242.1	7185.9
37.5°	7008.9	7048.4	7256.7	7521.1	7743.9	7979.2	7981.3	8002.1	7868.8	7656.5	7594.0
40°	7571.1	7623.1	7831.4	8106.2	8374.8	8566.4	8564.3	8506.0	8281.1	7952.1	7856.4
42.5°	8127.0	8168.7	8379.0	8662.2	8930.8	9112.0	9057.8	8916.2	8591.4	8143.7	8016.7
45°	8528.9	8560.2	8780.9	9099.5	9372.2	9484.7	9386.8	9216.1	8776.7	8264.5	8077.1
47.5°	8718.4	8760.1	8982.9	9299.4	9607.5	9672.1	9555.5	9395.1	8885.0	8376.9	8125.0
50°	8616.4	8670.5	8922.5	9216.1	9563.8	9697.1	9613.8	9453.4	8999.5	8487.3	8210.3
52.5°	8351.9	8404.0	8722.6	9078.6	9472.2	9736.6	9734.6	9603.4	9130.7	8518.5	8214.5
55°	7448.2	7550.3	8045.8	8660.1	9359.7	9853.2	9903.2	9763.7	9151.5	8526.8	8258.2
57.5°	4847.5	5026.6	5497.2	6296.7	7700.2	8962.0	9299.4	9332.7	9001.6	8491.4	8266.6
60°	2024.0	2167.6	2540.4	3071.3	4231.1	5732.5	6386.3	7042.2	7833.5	8120.8	8189.5
62.5°	1257.7	1270.2	1307.7	1428.4	1815.7	2548.7	2969.3	3583.6	4760.0	5761.6	6223.9
65°	1134.8	1141.1	1149.4	1141.1	1159.8	1249.4	1361.8	1576.3	2055.2	2552.8	3144.2
67.5°	999.5	1007.8	1014.1	1007.8	1014.1	1018.2	1030.7	1049.5	1136.9	1207.7	1261.8
70°	807.9	820.4	830.8	826.7	851.6	851.6	864.1	878.7	922.4	974.5	1012.0
72.5°	616.3	605.9	618.4	622.6	645.5	658.0	676.7	693.4	743.4	774.6	822.5
75°	399.8	389.4	408.1	418.5	449.8	466.4	483.1	499.7	535.1	556.0	601.8
77.5°	216.6	214.5	233.2	247.8	281.1	301.9	314.4	326.9	356.1	362.3	391.5
80°	124.9	124.9	137.4	147.8	168.7	191.6	204.1	214.5	235.3	241.5	254.0
82.5°	68.7	68.7	75.0	81.2	97.9	110.4	120.8	129.1	147.8	154.1	160.3
85°	33.3	31.2	35.4	39.6	45.8	52.1	58.3	62.5	77.0	81.2	89.5
87.5°	4.2	4.2	4.2	6.2	8.3	12.5	14.6	14.6	22.9	27.1	31.2
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: P642262

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6	4241.6
2.5°	4283.2	4256.1	4272.8	4279.0	4279.0	4272.8	4245.7	4237.4	4224.9	4206.2	4206.2
5°	4379.0	4358.2	4362.3	4351.9	4326.9	4295.7	4245.7	4220.7	4199.9	4177.0	4174.9
7.5°	4543.5	4516.4	4512.3	4472.7	4406.1	4339.4	4264.5	4218.7	4187.4	4158.3	4156.2
10°	4758.0	4733.0	4701.7	4622.6	4524.7	4426.9	4324.8	4262.4	4216.6	4174.9	4172.8
12.5°	4997.4	4968.3	4910.0	4793.4	4670.5	4574.7	4458.1	4362.3	4293.6	4237.4	4227.0
15°	5257.7	5216.1	5116.1	4978.7	4857.9	4755.9	4630.9	4493.5	4389.4	4299.9	4289.4
17.5°	5457.6	5403.5	5295.2	5166.1	5066.1	4964.1	4801.7	4628.9	4478.9	4366.5	4349.8
20°	5595.0	5551.3	5428.4	5332.7	5274.4	5184.8	4995.3	4799.6	4630.9	4489.3	4481.0
22.5°	5722.0	5670.0	5549.2	5493.0	5493.0	5432.6	5251.5	5020.3	4822.5	4658.0	4637.2
25°	5865.7	5809.5	5717.9	5711.6	5740.8	5713.7	5495.1	5247.3	5016.2	4830.8	4797.5
27.5°	6065.6	6003.1	5949.0	5986.5	6028.1	5999.0	5755.4	5468.0	5224.4	5037.0	5007.8
30°	6384.2	6307.2	6257.2	6303.0	6384.2	6298.8	6034.4	5730.4	5484.7	5278.5	5263.9
32.5°	6754.8	6667.4	6615.3	6688.2	6761.1	6627.8	6365.5	6073.9	5815.7	5599.2	5574.2
35°	7200.4	7090.1	7013.0	7110.9	7185.9	7054.7	6794.4	6517.5	6230.1	6005.2	5971.9
37.5°	7596.1	7462.8	7410.8	7548.2	7648.1	7562.8	7279.6	7019.3	6704.9	6459.2	6444.6
40°	7883.4	7752.2	7714.8	7941.7	8116.6	8095.8	7841.8	7544.0	7248.3	6965.1	6938.1
42.5°	8008.4	7916.7	7925.1	8231.2	8501.9	8635.1	8408.2	8089.6	7804.3	7510.7	7492.0
45°	8035.4	7979.2	8045.8	8429.0	8785.0	9057.8	8864.2	8597.6	8274.9	7991.7	7983.4
47.5°	8064.6	8033.3	8135.4	8541.4	8964.1	9280.6	9172.3	8897.5	8570.6	8293.6	8272.8
50°	8133.3	8120.8	8235.3	8620.5	9049.5	9341.0	9218.2	8945.4	8610.1	8337.4	8287.4
52.5°	8154.1	8133.3	8297.8	8743.4	9191.1	9338.9	9074.5	8718.4	8381.1	8077.1	8025.0
55°	8218.7	8181.2	8293.6	8789.2	9386.8	9459.7	9066.1	8533.1	8062.5	7648.1	7525.3
57.5°	8235.3	8193.7	8266.6	8714.2	9174.4	9109.9	7968.8	6886.0	5999.0	5538.8	5590.9
60°	8145.8	8158.3	8033.3	7983.4	7358.7	6496.6	4878.7	3900.1	3063.0	2709.0	2786.1
62.5°	6201.0	6253.0	5826.2	5066.1	3895.9	3088.0	2042.7	1586.7	1343.1	1280.6	1291.0
65°	3129.6	3200.4	2756.9	2280.1	1695.0	1370.1	1184.8	1147.3	1134.8	1120.3	1120.3
67.5°	1238.9	1259.8	1243.1	1164.0	1082.8	1053.6	1045.3	1041.1	1026.6	1018.2	1020.3
70°	995.3	1012.0	987.0	937.0	903.7	901.6	897.5	889.1	878.7	878.7	885.0
72.5°	812.1	828.7	793.3	762.1	737.1	718.4	708.0	701.7	687.1	687.1	693.4
75°	597.6	608.0	578.9	574.7	547.6	528.9	512.2	503.9	485.2	476.8	483.1
77.5°	397.7	395.6	381.1	381.1	370.6	347.7	329.0	310.3	285.3	268.6	272.8
80°	258.2	258.2	252.0	252.0	241.5	222.8	199.9	181.2	166.6	154.1	154.1
82.5°	164.5	162.4	160.3	158.3	154.1	135.3	118.7	106.2	95.8	87.5	89.5
85°	91.6	91.6	87.5	87.5	79.1	68.7	60.4	52.1	45.8	43.7	43.7
87.5°	31.2	31.2	29.2	29.2	25.0	18.7	14.6	12.5	10.4	8.3	10.4
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)