

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: P642264

Luminaire Tested: GWS-SA6C-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642264  
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-SA6C-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

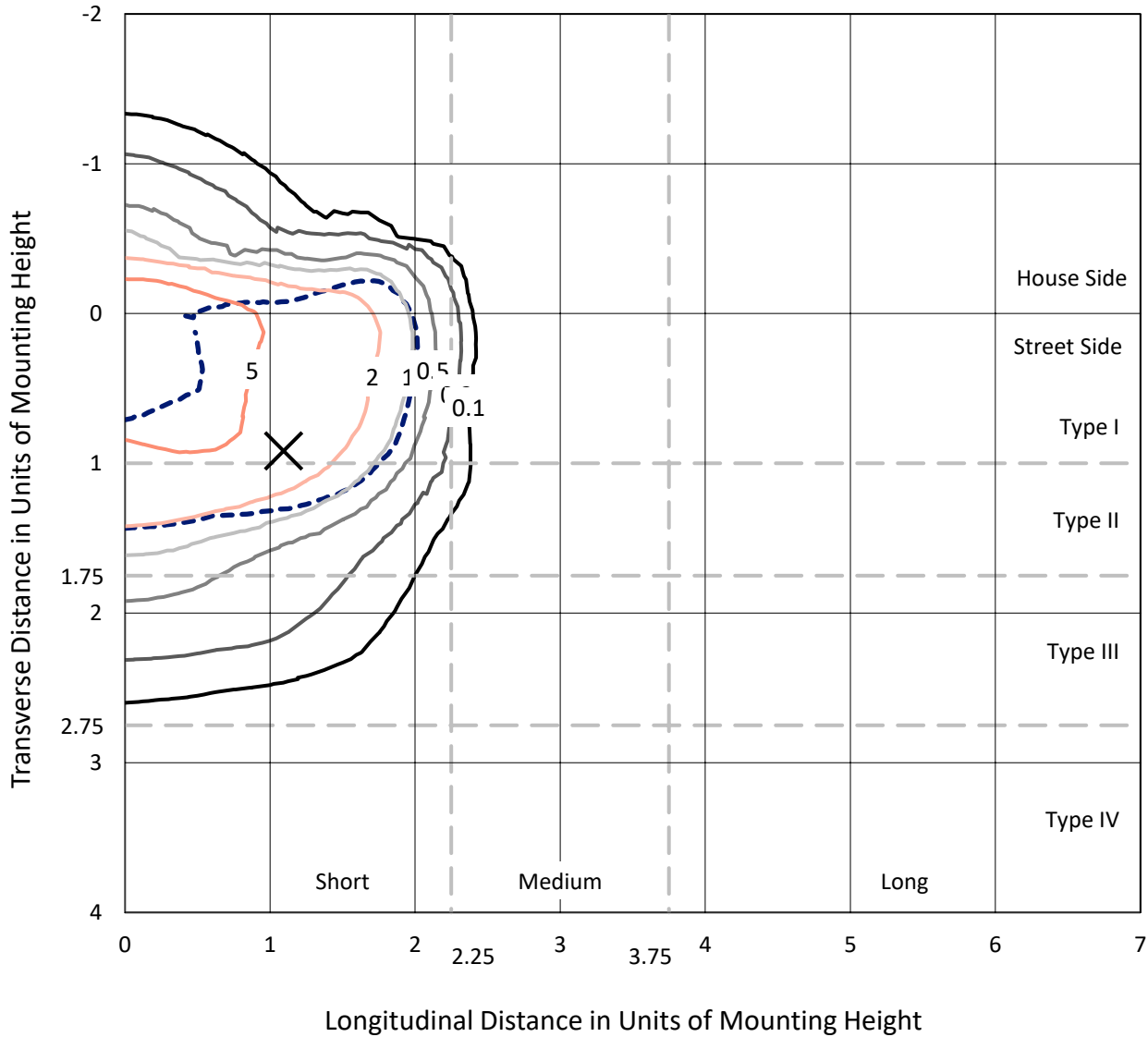
Lumens per Lamp: N/A  
Luminaire Lumens: 17055.1 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

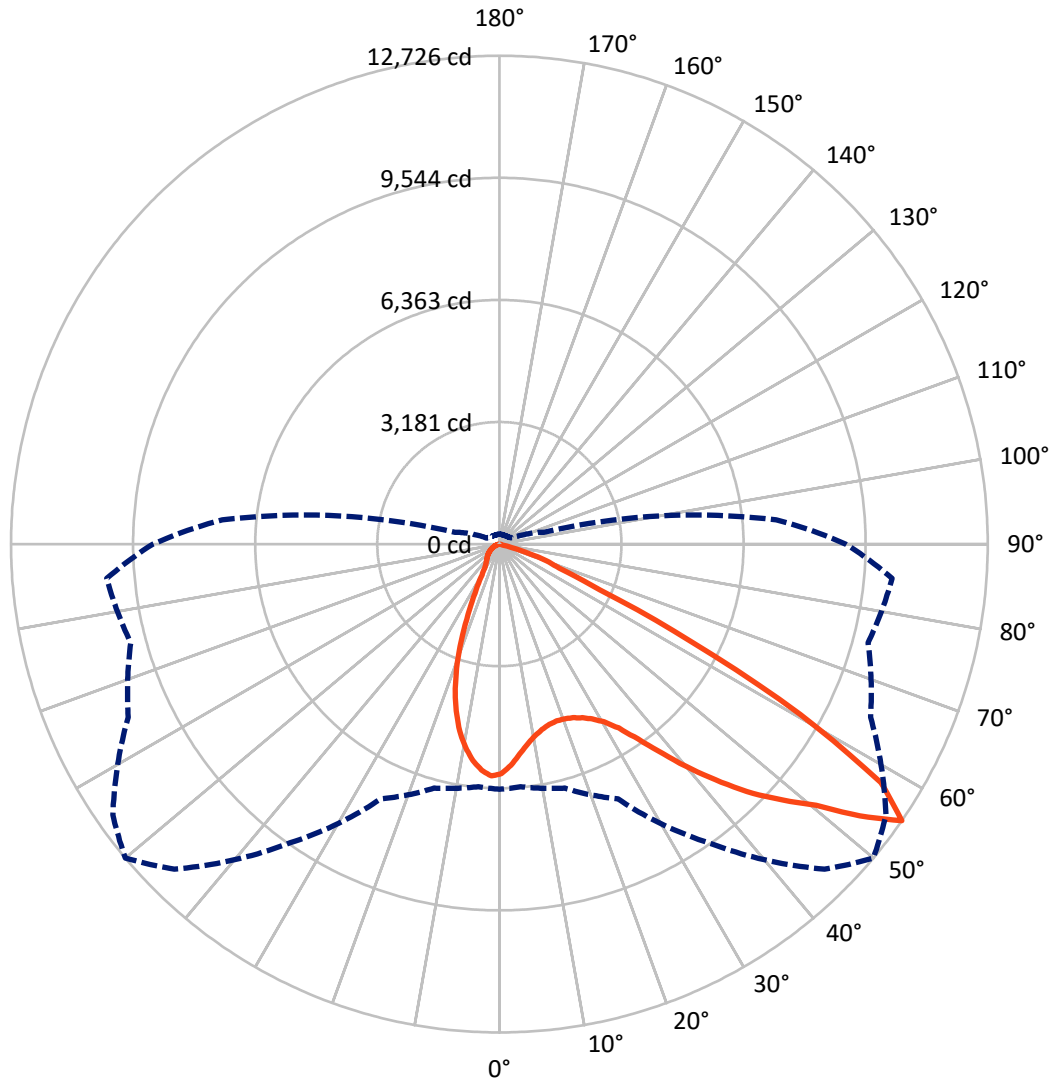
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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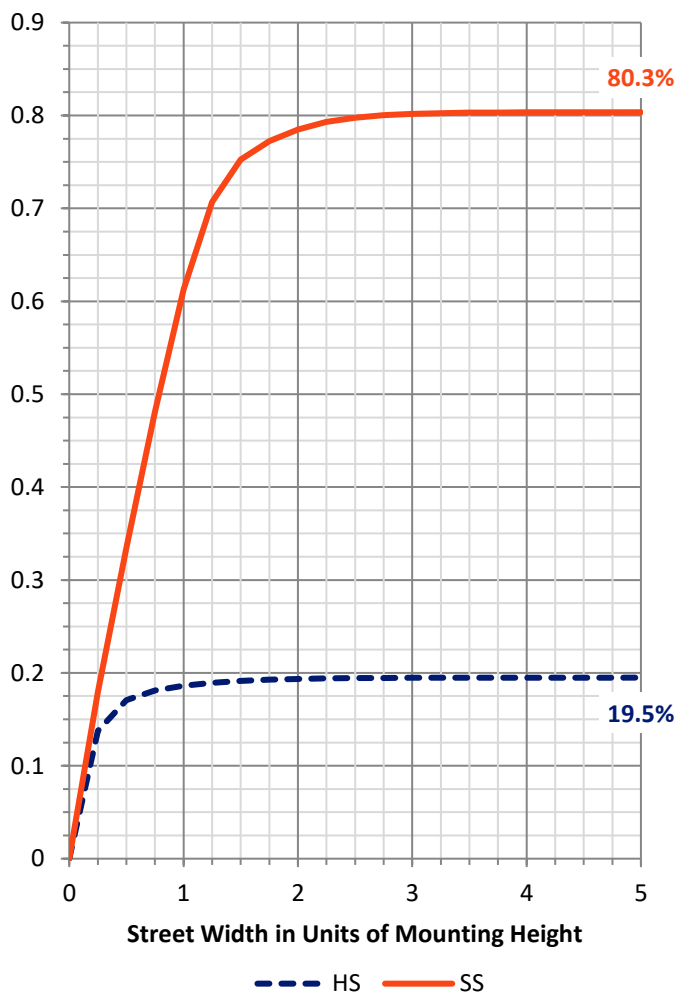
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3360.7	0.0	3360.7
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	13694.5	0.0	13694.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	17055.1	0.0	17055.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	525.5	3.1
10°-20°	1293.2	7.6
20°-30°	1824.1	10.7
30°-40°	2699.3	15.8
40°-50°	3894.2	22.8
50°-60°	4593.5	26.9
60°-70°	2049.1	12.0
70°-80°	176.2	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°	17055.1	100.0
0°-180°	17055.1	100.0

**Coefficient of Utilization**



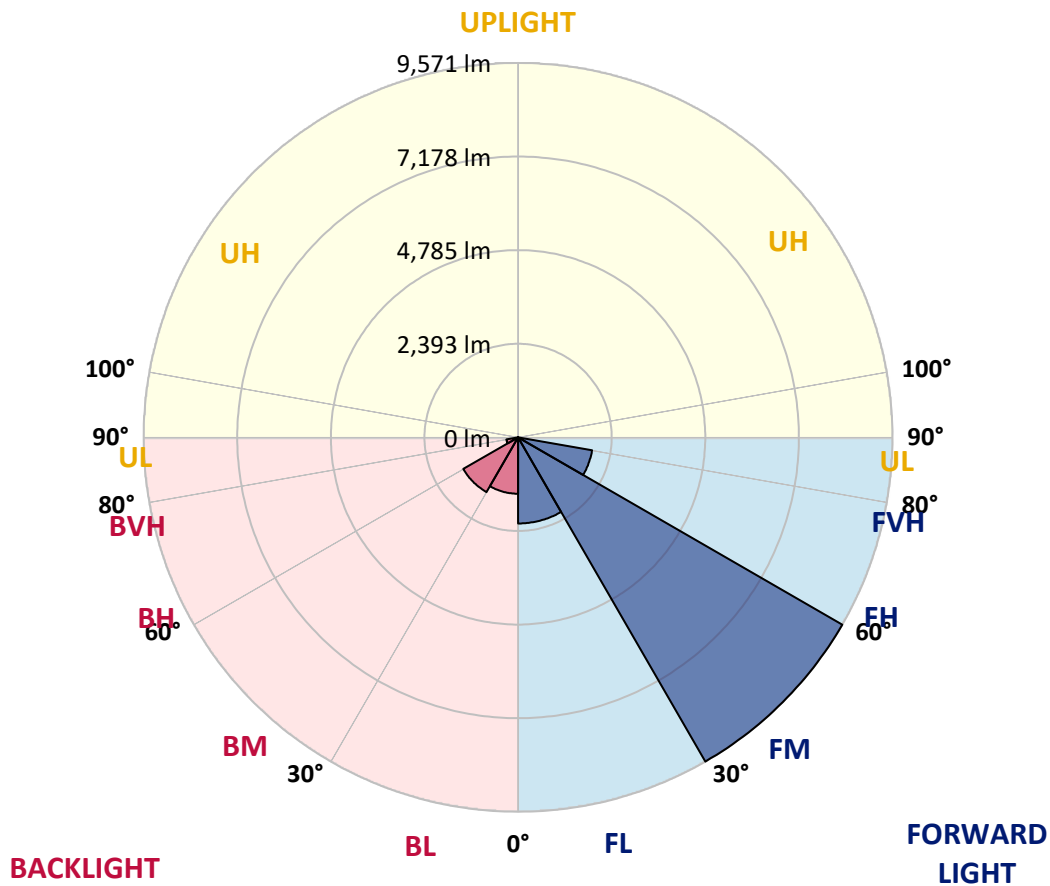
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2201.9	12.9			
FM (30°-60°)	9570.8	56.1			
FH (60°-80°)	1921.8	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1440.9	8.4	B3/2500		
BM (30°-60°)	1616.2	9.5	B2/2500		
BH (60°-80°)	303.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9
2.5°	5559.1	5563.3	5565.4	5621.6	5642.4	5725.7	5769.4	5792.3	5852.7	5923.5	5981.8
5°	5186.4	5180.2	5190.6	5261.4	5307.2	5430.0	5496.7	5542.5	5675.7	5842.3	5981.8
7.5°	4861.6	4874.1	4886.6	4963.7	5032.4	5165.6	5261.4	5330.1	5515.4	5763.2	5998.5
10°	4632.6	4632.6	4651.4	4738.8	4820.0	4984.5	5080.3	5167.7	5388.4	5692.4	6017.2
12.5°	4464.0	4466.0	4488.9	4588.9	4682.6	4853.3	4953.3	5038.6	5282.2	5621.6	6021.4
15°	4384.8	4378.6	4397.3	4503.5	4607.6	4767.9	4872.1	4955.3	5207.3	5582.0	6042.2
17.5°	4364.0	4359.9	4374.4	4478.5	4584.7	4740.9	4842.9	4926.2	5196.9	5594.5	6104.6
20°	4424.4	4416.1	4409.8	4499.4	4599.3	4753.4	4859.6	4953.3	5246.8	5663.2	6200.4
22.5°	4568.1	4568.1	4553.5	4597.2	4663.8	4803.3	4913.7	5036.5	5378.0	5800.7	6342.0
25°	4832.5	4811.7	4784.6	4803.3	4795.0	4882.5	5013.6	5184.4	5625.8	6027.6	6514.8
27.5°	5134.4	5153.1	5107.3	5109.4	5036.5	5005.3	5157.3	5415.5	5994.3	6348.2	6770.9
30°	5544.6	5530.0	5532.1	5525.8	5357.2	5209.3	5373.8	5717.4	6458.6	6837.5	7104.0
32.5°	5865.2	5886.0	5954.7	5994.3	5773.6	5536.2	5711.1	6127.5	6987.4	7395.5	7512.1
35°	6204.6	6242.1	6381.6	6510.6	6325.3	6052.6	6240.0	6671.0	7485.1	7947.3	7980.6
37.5°	6562.7	6637.6	6804.2	7031.2	7002.0	6760.5	6931.2	7310.2	7876.5	8280.4	8367.9
40°	6972.9	7045.7	7318.5	7645.4	7714.1	7659.9	7716.2	7936.9	8134.7	8295.0	8534.4
42.5°	7422.6	7522.5	7868.2	8305.4	8563.6	8611.5	8480.3	8457.4	8247.1	8128.4	8499.0
45°	7953.5	8070.1	8461.5	9027.9	9438.0	9502.6	9275.6	8982.1	8317.9	8005.6	8392.8
47.5°	8549.0	8659.3	9048.7	9729.5	10339.6	10364.6	9969.0	9496.3	8528.2	8147.2	8474.0
50°	8748.9	8817.6	9154.9	9954.4	11078.7	11270.3	10697.7	10075.2	8950.8	8563.6	8869.6
52.5°	8061.8	8088.9	8382.4	9190.3	10928.8	12159.3	11761.6	10939.2	9702.5	9198.6	9479.7
55°	6387.8	6344.1	6581.4	7322.7	9498.4	11978.2	12725.6	12296.7	10670.6	9944.0	10272.9
57.5°	4468.1	4416.1	4361.9	4863.7	7087.4	10154.3	11726.2	12486.2	11593.0	10683.1	11128.7
60°	3672.8	3622.8	3360.5	3129.4	4284.9	7291.4	9007.0	10437.4	11518.0	10645.6	11101.6
62.5°	3173.1	3143.9	3037.7	2723.4	2521.4	4162.1	5640.3	7010.3	8838.4	8359.5	8384.5
65°	2492.2	2483.9	2556.8	2590.1	2229.9	2302.8	2877.4	3643.6	4778.4	4505.6	4272.4
67.5°	1703.1	1684.4	1821.8	2240.3	2144.5	1817.6	1684.4	1699.0	2067.5	1263.8	1003.6
70°	1082.7	1039.0	1041.0	1388.7	1744.8	1434.5	1299.2	1143.1	1028.5	187.4	212.4
72.5°	693.3	666.3	572.6	626.7	807.8	699.6	705.8	608.0	406.0	99.9	116.6
75°	291.5	268.6	206.1	164.5	162.4	102.0	89.5	83.3	56.2	56.2	60.4
77.5°	2.1	0.0	0.0	2.1	4.2	2.1	2.1	4.2	8.3	12.5	14.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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°	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9	5983.9
2.5°	6017.2	5967.2	6023.4	6044.3	6042.2	6044.3	5983.9	5942.2	5940.2	5888.1	5863.1
5°	6040.1	6000.5	6042.2	6015.1	5950.6	5869.4	5761.1	5667.4	5625.8	5565.4	5536.2
7.5°	6083.8	6042.2	6035.9	5927.7	5767.3	5596.6	5405.1	5234.3	5142.7	5032.4	5038.6
10°	6115.0	6067.2	5986.0	5765.3	5498.8	5226.0	4940.8	4686.7	4526.4	4378.6	4353.6
12.5°	6127.5	6056.7	5867.3	5534.1	5159.4	4803.3	4384.8	4022.6	3772.7	3579.1	3552.0
15°	6150.4	6035.9	5715.3	5255.2	4740.9	4237.0	3704.0	3208.5	2877.4	2654.6	2673.4
17.5°	6185.8	6013.0	5544.6	4942.8	4291.2	3579.1	2858.7	2290.3	1986.3	1857.2	1859.3
20°	6235.8	5986.0	5357.2	4599.3	3751.9	2835.8	1998.8	1569.9	1484.5	1480.4	1474.1
22.5°	6302.4	5958.9	5157.3	4222.4	3112.7	1986.3	1330.4	1197.2	1232.6	1301.3	1313.8
25°	6381.6	5925.6	4934.5	3797.7	2415.2	1303.4	997.3	976.5	1061.9	1153.5	1174.3
27.5°	6504.4	5908.9	4680.5	3314.7	1694.8	934.9	816.2	828.7	905.7	982.7	1001.5
30°	6712.6	5940.2	4403.6	2773.3	1088.9	745.4	707.9	726.6	768.3	807.8	824.5
32.5°	6995.8	6031.8	4135.0	2182.0	776.6	647.5	639.2	649.6	666.3	689.2	695.4
35°	7326.8	6190.0	3858.1	1561.6	641.3	591.3	583.0	583.0	591.3	595.5	597.6
37.5°	7599.6	6356.6	3597.8	1039.0	574.7	547.6	535.1	528.8	526.8	530.9	533.0
40°	7718.2	6425.3	3314.7	755.8	526.8	508.0	489.3	470.5	470.5	485.1	487.2
42.5°	7635.0	6348.2	2987.8	624.6	493.5	466.4	437.2	420.6	428.9	443.5	447.6
45°	7458.0	6158.8	2627.6	551.7	460.1	424.7	391.4	381.0	389.3	408.1	412.3
47.5°	7428.8	6033.8	2196.6	503.9	424.7	389.3	354.0	343.5	354.0	368.5	372.7
50°	7718.2	6142.1	1717.7	462.2	391.4	351.9	322.7	312.3	318.6	326.9	331.0
52.5°	8247.1	6544.0	1386.7	422.7	351.9	314.4	295.7	283.2	283.2	291.5	293.6
55°	9027.9	7245.6	1197.2	376.9	306.1	285.2	268.6	256.1	256.1	260.3	262.3
57.5°	9927.3	8095.1	1240.9	316.5	268.6	258.2	243.6	233.2	237.4	237.4	237.4
60°	9802.4	8032.6	1328.4	266.5	237.4	233.2	220.7	216.5	226.9	218.6	214.5
62.5°	7220.6	5548.7	695.4	218.6	204.0	199.9	191.6	199.9	214.5	191.6	183.2
65°	3506.2	2685.9	279.0	179.1	172.8	168.6	164.5	177.0	185.3	149.9	141.6
67.5°	824.5	670.4	181.1	152.0	143.7	135.3	139.5	141.6	135.3	102.0	97.9
70°	214.5	210.3	141.6	127.0	114.5	106.2	106.2	104.1	89.5	64.5	60.4
72.5°	116.6	114.5	102.0	95.8	79.1	70.8	72.9	64.5	50.0	37.5	35.4
75°	58.3	62.5	58.3	54.1	43.7	39.6	39.6	35.4	25.0	14.6	14.6
77.5°	12.5	14.6	14.6	12.5	10.4	8.3	8.3	10.4	4.2	0.0	0.0
80°	2.1	2.1	2.1	2.1	2.1	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)