

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: P641989

Luminaire Tested: GWS-SA6C-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641989  
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-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

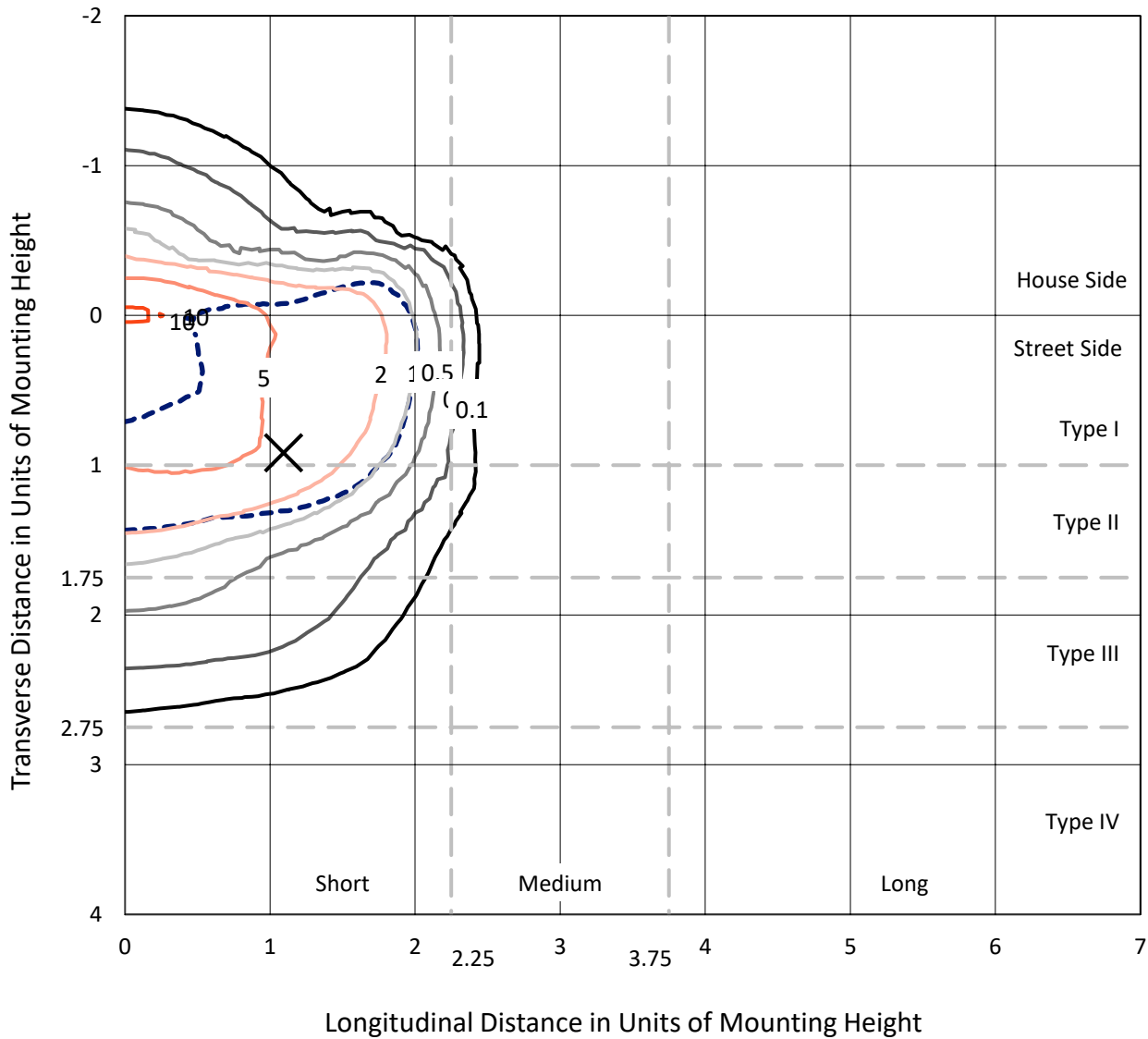
Lumens per Lamp: N/A  
Luminaire Lumens: 12281.3 lumens  
Efficiency: N/A  
Efficacy: 64.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

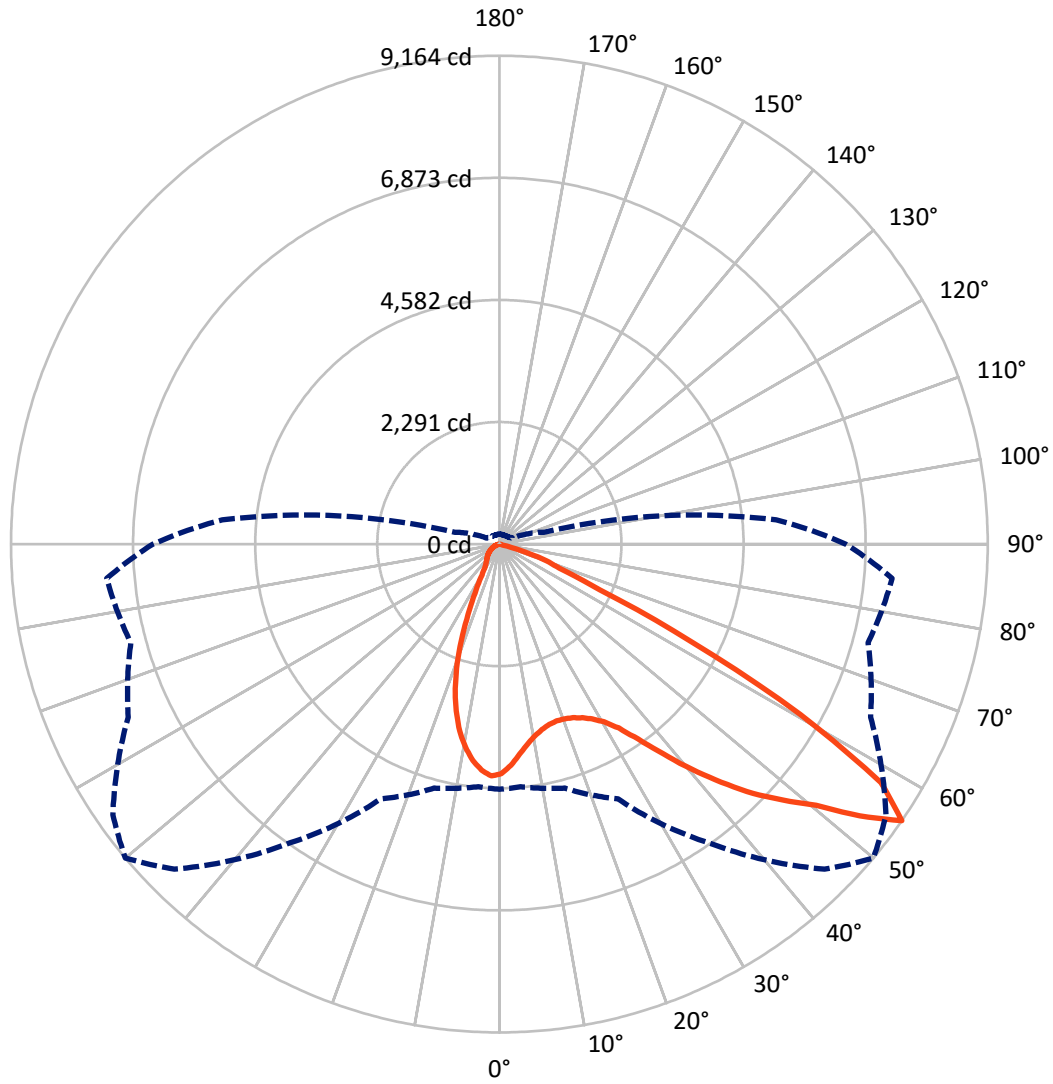
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.8 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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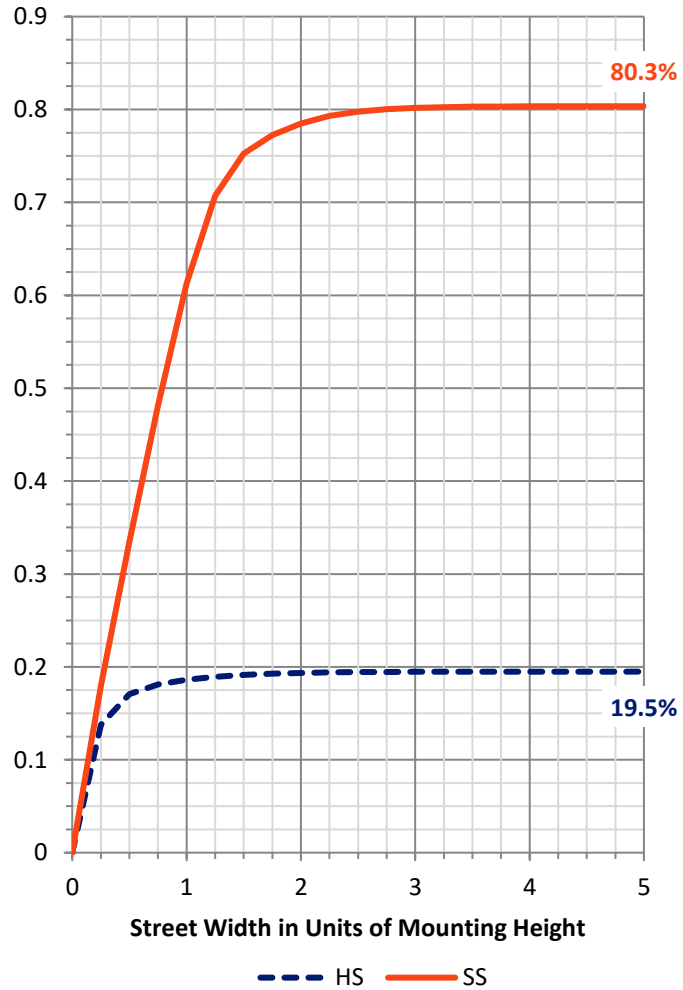
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2420.0	0.0	2420.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	9861.3	0.0	9861.3
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	12281.3	0.0	12281.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.4	3.1
10°-20°	931.2	7.6
20°-30°	1313.5	10.7
30°-40°	1943.7	15.8
40°-50°	2804.2	22.8
50°-60°	3307.8	26.9
60°-70°	1475.5	12.0
70°-80°	126.9	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°	12281.3	100.0
0°-180°	12281.3	100.0

**Coefficient of Utilization**



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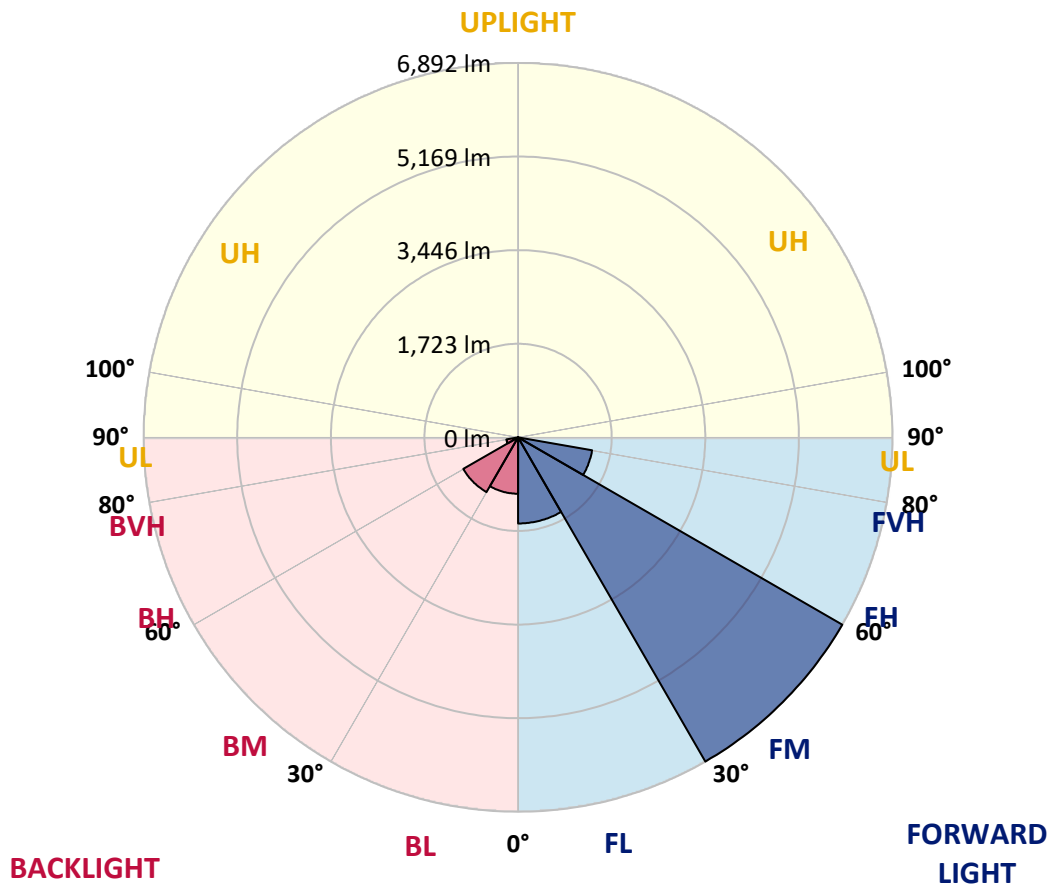
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1585.6	12.9			
FM (30°-60°)	6891.9	56.1			
FH (60°-80°)	1383.9	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1037.6	8.4	B3/2500		
BM (30°-60°)	1163.8	9.5	B2/2500		
BH (60°-80°)	218.5	1.8	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0
2.5°	4003.1	4006.1	4007.6	4048.1	4063.1	4123.1	4154.5	4171.0	4214.5	4265.5	4307.5
5°	3734.7	3730.2	3737.7	3788.7	3821.7	3910.2	3958.1	3991.1	4087.1	4207.0	4307.5
7.5°	3500.8	3509.8	3518.8	3574.3	3623.8	3719.7	3788.7	3838.2	3971.6	4150.0	4319.5
10°	3335.9	3335.9	3349.4	3412.4	3470.9	3589.3	3658.3	3721.2	3880.2	4099.1	4333.0
12.5°	3214.5	3216.0	3232.5	3304.4	3371.9	3494.8	3566.8	3628.3	3803.7	4048.1	4336.0
15°	3157.5	3153.0	3166.5	3243.0	3317.9	3433.4	3508.3	3568.3	3749.7	4019.6	4350.9
17.5°	3142.5	3139.5	3150.0	3225.0	3301.4	3413.9	3487.4	3547.3	3742.2	4028.6	4395.9
20°	3186.0	3180.0	3175.5	3240.0	3311.9	3422.9	3499.3	3566.8	3778.2	4078.1	4464.9
22.5°	3289.4	3289.4	3278.9	3310.4	3358.4	3458.9	3538.3	3626.8	3872.7	4177.0	4566.8
25°	3479.9	3464.9	3445.4	3458.9	3452.9	3515.8	3610.3	3733.2	4051.1	4340.4	4691.3
27.5°	3697.3	3710.7	3677.8	3679.3	3626.8	3604.3	3713.7	3899.7	4316.5	4571.3	4875.7
30°	3992.6	3982.1	3983.6	3979.1	3857.7	3751.2	3869.7	4117.1	4650.8	4923.7	5115.6
32.5°	4223.5	4238.5	4288.0	4316.5	4157.5	3986.6	4112.6	4412.4	5031.6	5325.5	5409.4
35°	4467.9	4494.9	4595.3	4688.3	4554.8	4358.4	4493.4	4803.7	5390.0	5722.8	5746.8
37.5°	4725.8	4779.7	4899.7	5063.1	5042.1	4868.2	4991.1	5264.0	5671.8	5962.7	6025.7
40°	5021.1	5073.6	5270.0	5505.4	5554.9	5515.9	5556.4	5715.3	5857.7	5973.2	6145.6
42.5°	5345.0	5416.9	5665.8	5980.7	6166.6	6201.1	6106.6	6090.1	5938.7	5853.2	6120.1
45°	5727.3	5811.3	6093.1	6500.9	6796.3	6842.8	6679.3	6467.9	5989.7	5764.8	6043.6
47.5°	6156.1	6235.6	6515.9	7006.2	7445.5	7463.5	7178.6	6838.3	6141.1	5866.7	6102.1
50°	6300.0	6349.5	6592.4	7168.1	7977.7	8115.7	7703.4	7255.1	6445.5	6166.6	6387.0
52.5°	5805.3	5824.7	6036.1	6617.9	7869.8	8755.9	8469.5	7877.3	6986.7	6623.9	6826.3
55°	4599.8	4568.3	4739.3	5273.0	6839.8	8625.4	9163.7	8854.8	7683.9	7160.6	7397.5
57.5°	3217.5	3180.0	3141.0	3502.3	5103.6	7312.0	8444.0	8991.2	8348.1	7692.9	8013.7
60°	2644.7	2608.8	2419.9	2253.4	3085.5	5250.5	6485.9	7515.9	8294.1	7665.9	7994.2
62.5°	2284.9	2263.9	2187.5	1961.1	1815.6	2997.1	4061.6	5048.1	6364.5	6019.7	6037.6
65°	1794.7	1788.7	1841.1	1865.1	1605.7	1658.2	2072.0	2623.8	3440.9	3244.5	3076.5
67.5°	1226.4	1212.9	1311.9	1613.2	1544.3	1308.9	1212.9	1223.4	1488.8	910.1	722.7
70°	779.6	748.1	749.6	1000.0	1256.4	1033.0	935.6	823.1	740.6	134.9	152.9
72.5°	499.3	479.8	412.3	451.3	581.7	503.8	508.3	437.8	292.4	72.0	84.0
75°	209.9	193.4	148.4	118.4	116.9	73.5	64.5	60.0	40.5	40.5	43.5
77.5°	1.5	0.0	0.0	1.5	3.0	1.5	1.5	3.0	6.0	9.0	10.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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°	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0	4309.0
2.5°	4333.0	4297.0	4337.4	4352.4	4350.9	4352.4	4309.0	4279.0	4277.5	4240.0	4222.0
5°	4349.4	4321.0	4350.9	4331.5	4285.0	4226.5	4148.5	4081.1	4051.1	4007.6	3986.6
7.5°	4380.9	4350.9	4346.4	4268.5	4153.0	4030.1	3892.2	3769.2	3703.2	3623.8	3628.3
10°	4403.4	4368.9	4310.5	4151.5	3959.6	3763.2	3557.8	3374.9	3259.5	3153.0	3135.0
12.5°	4412.4	4361.4	4225.0	3985.1	3715.2	3458.9	3157.5	2896.6	2716.7	2577.3	2557.8
15°	4428.9	4346.4	4115.6	3784.2	3413.9	3051.1	2667.2	2310.4	2072.0	1911.6	1925.1
17.5°	4454.4	4330.0	3992.6	3559.3	3090.0	2577.3	2058.5	1649.2	1430.3	1337.4	1338.9
20°	4490.4	4310.5	3857.7	3311.9	2701.7	2042.0	1439.3	1130.5	1069.0	1066.0	1061.5
22.5°	4538.4	4291.0	3713.7	3040.6	2241.4	1430.3	958.0	862.1	887.6	937.1	946.1
25°	4595.3	4267.0	3553.3	2734.7	1739.2	938.6	718.2	703.2	764.6	830.6	845.6
27.5°	4683.8	4255.0	3370.4	2386.9	1220.4	673.2	587.7	596.7	652.2	707.7	721.2
30°	4833.7	4277.5	3171.0	1997.1	784.1	536.7	509.8	523.3	553.2	581.7	593.7
32.5°	5037.6	4343.4	2977.6	1571.3	559.2	466.3	460.3	467.8	479.8	496.3	500.8
35°	5276.0	4457.4	2778.2	1124.5	461.8	425.8	419.8	419.8	425.8	428.8	430.3
37.5°	5472.4	4577.3	2590.8	748.1	413.8	394.3	385.3	380.8	379.3	382.3	383.8
40°	5557.9	4626.8	2386.9	544.2	379.3	365.8	352.3	338.8	338.8	349.3	350.8
42.5°	5497.9	4571.3	2151.5	449.8	355.3	335.8	314.9	302.9	308.9	319.3	322.3
45°	5370.5	4434.9	1892.1	397.3	331.3	305.9	281.9	274.4	280.4	293.9	296.9
47.5°	5349.5	4344.9	1581.8	362.8	305.9	280.4	254.9	247.4	254.9	265.4	268.4
50°	5557.9	4422.9	1236.9	332.8	281.9	253.4	232.4	224.9	229.4	235.4	238.4
52.5°	5938.7	4712.3	998.5	304.4	253.4	226.4	212.9	203.9	203.9	209.9	211.4
55°	6500.9	5217.5	862.1	271.4	220.4	205.4	193.4	184.4	184.4	187.4	188.9
57.5°	7148.6	5829.2	893.6	227.9	193.4	185.9	175.4	167.9	170.9	170.9	170.9
60°	7058.7	5784.3	956.5	191.9	170.9	167.9	158.9	155.9	163.4	157.4	154.4
62.5°	5199.5	3995.6	500.8	157.4	146.9	143.9	137.9	143.9	154.4	137.9	131.9
65°	2524.8	1934.1	200.9	128.9	124.4	121.4	118.4	127.4	133.4	107.9	102.0
67.5°	593.7	482.8	130.4	109.4	103.5	97.5	100.5	102.0	97.5	73.5	70.5
70°	154.4	151.4	102.0	91.5	82.5	76.5	76.5	75.0	64.5	46.5	43.5
72.5°	84.0	82.5	73.5	69.0	57.0	51.0	52.5	46.5	36.0	27.0	25.5
75°	42.0	45.0	42.0	39.0	31.5	28.5	28.5	25.5	18.0	10.5	10.5
77.5°	9.0	10.5	10.5	9.0	7.5	6.0	6.0	7.5	3.0	0.0	0.0
80°	1.5	1.5	1.5	1.5	1.5	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)