

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: P641494

Luminaire Tested: GWS-SA6B-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641494  
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-SA6B-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**

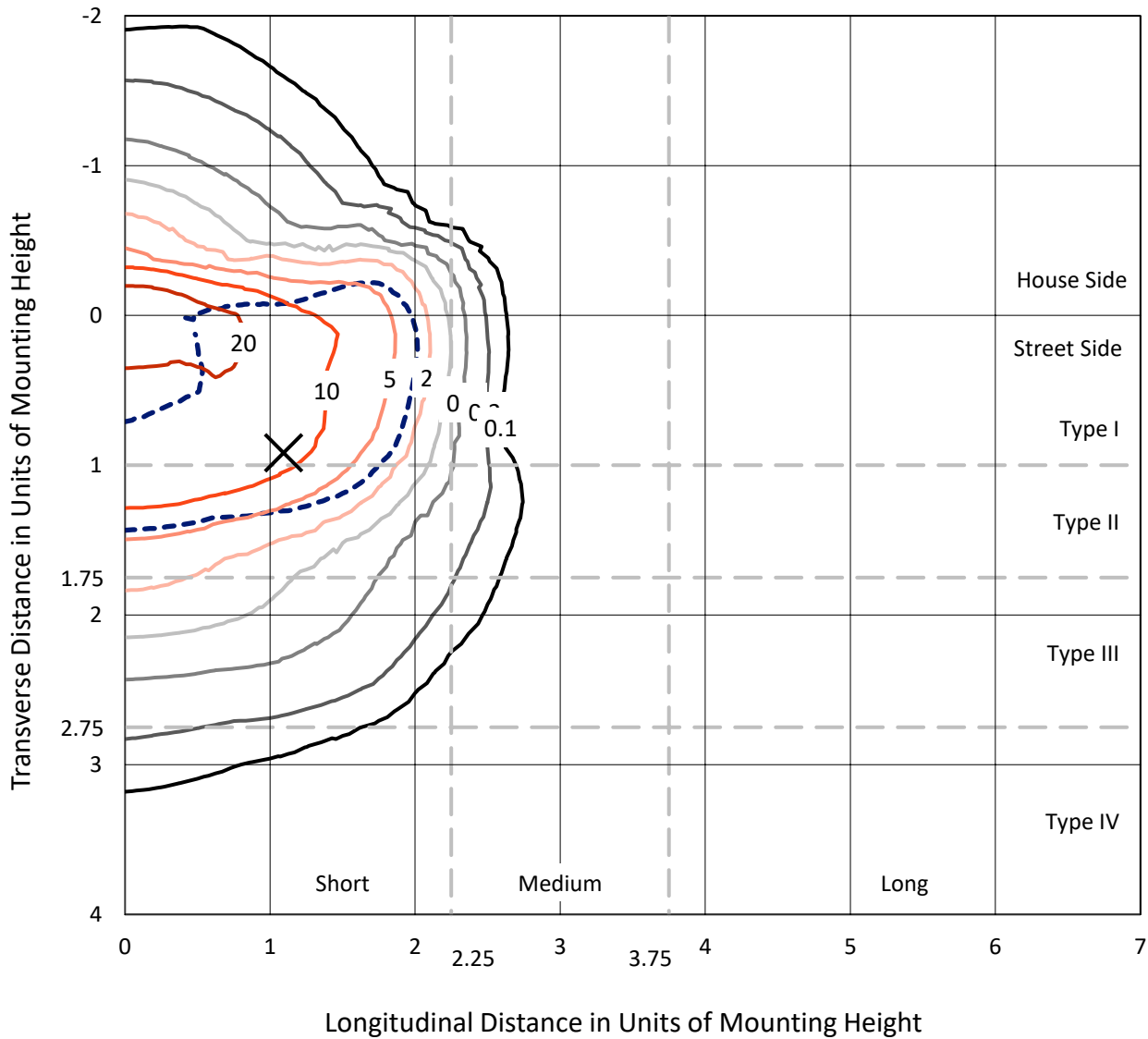
Lumens per Lamp: N/A  
Luminaire Lumens: 9157.6 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

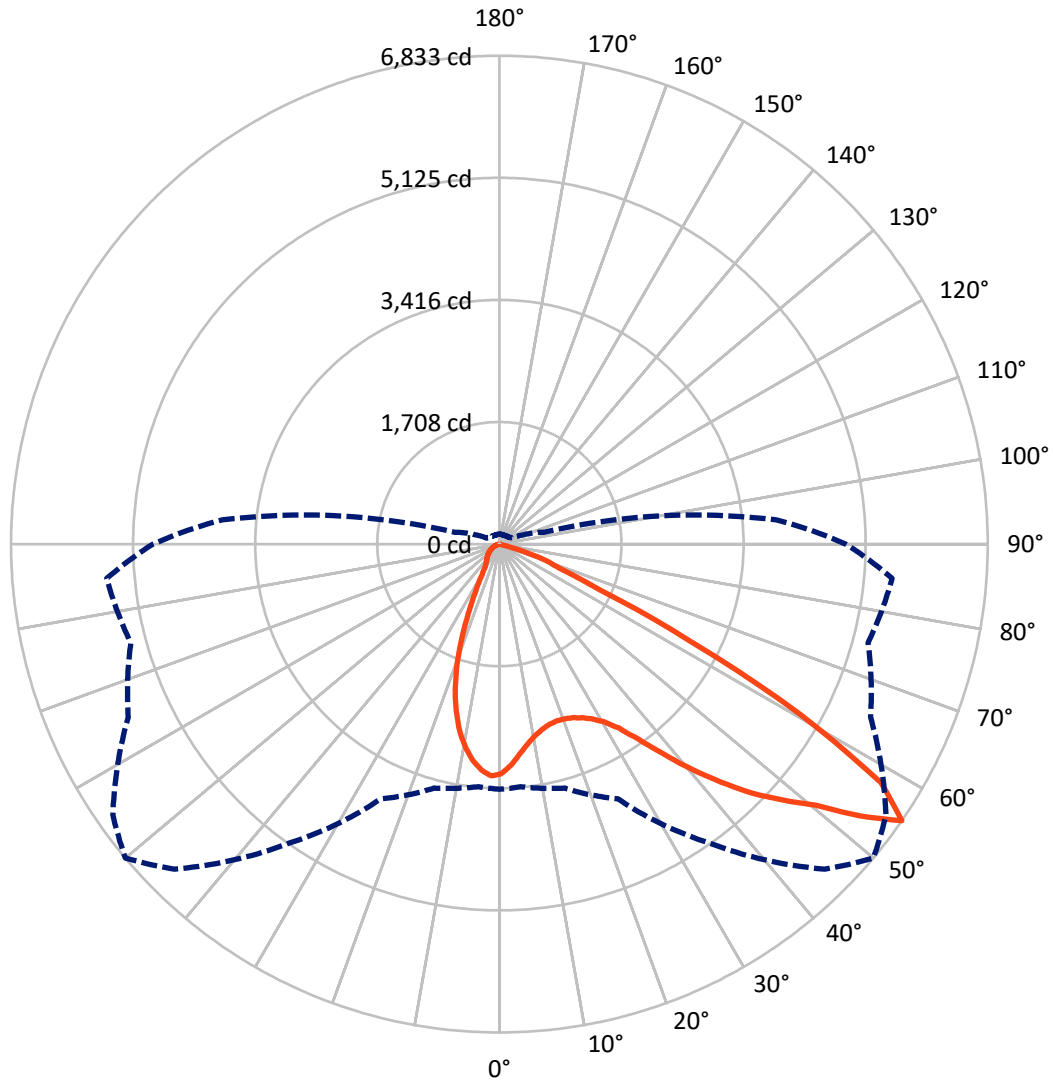
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 32.1 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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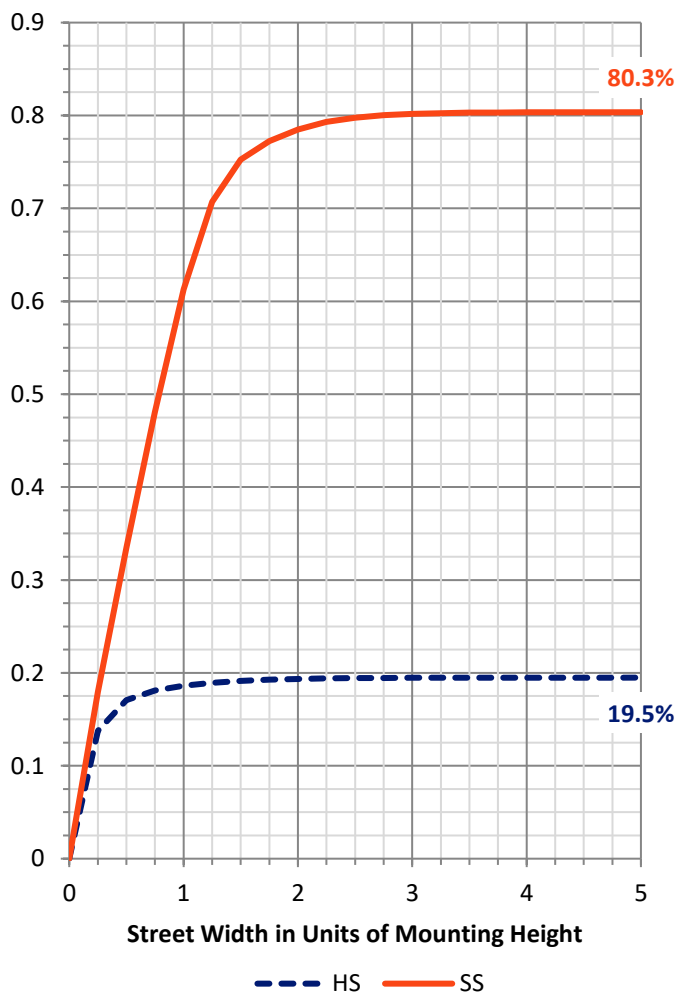
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1804.5	0.0	1804.5
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	7353.1	0.0	7353.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	9157.6	0.0	9157.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.2	3.1
10°-20°	694.4	7.6
20°-30°	979.4	10.7
30°-40°	1449.4	15.8
40°-50°	2091.0	22.8
50°-60°	2466.4	26.9
60°-70°	1100.2	12.0
70°-80°	94.6	1.0
80°-90°	0.0	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°	9157.6	100.0
0°-180°	9157.6	100.0

**Coefficient of Utilization**



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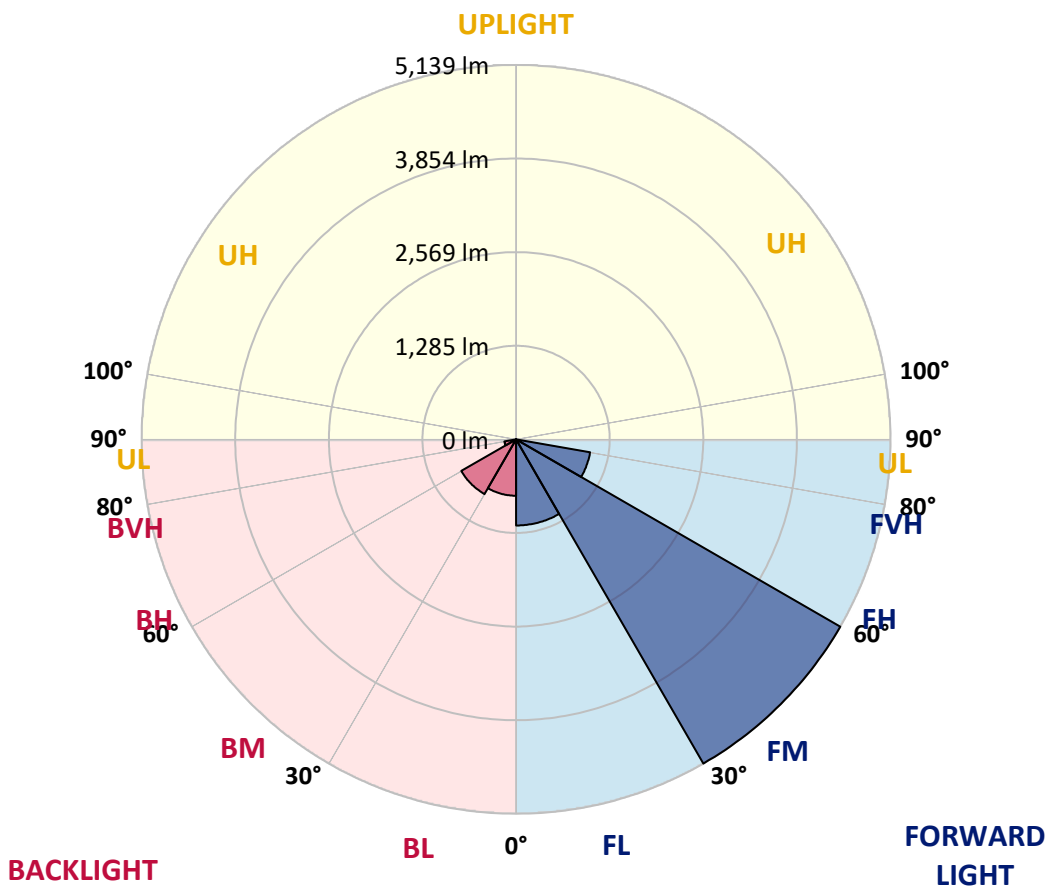
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1182.3	12.9			
FM (30°-60°)	5138.9	56.1			
FH (60°-80°)	1031.9	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	773.7	8.4	B2/1000		
BM (30°-60°)	867.8	9.5	B1/1000		
BH (60°-80°)	162.9	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: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0
2.5°	2984.9	2987.2	2988.3	3018.5	3029.7	3074.4	3097.8	3110.1	3142.6	3180.6	3211.9
5°	2784.8	2781.5	2787.1	2825.1	2849.7	2915.6	2951.4	2976.0	3047.5	3137.0	3211.9
7.5°	2610.4	2617.1	2623.8	2665.2	2702.1	2773.6	2825.1	2862.0	2961.5	3094.5	3220.8
10°	2487.4	2487.4	2497.5	2544.5	2588.1	2676.4	2727.8	2774.8	2893.3	3056.5	3230.9
12.5°	2396.9	2398.0	2410.3	2464.0	2514.3	2605.9	2659.6	2705.4	2836.2	3018.5	3233.1
15°	2354.4	2351.1	2361.1	2418.1	2474.0	2560.1	2616.0	2660.7	2796.0	2997.2	3244.3
17.5°	2343.2	2341.0	2348.8	2404.7	2461.7	2545.6	2600.4	2645.1	2790.4	3003.9	3277.8
20°	2375.6	2371.2	2367.8	2415.9	2469.6	2552.3	2609.3	2659.6	2817.2	3040.8	3329.3
22.5°	2452.8	2452.8	2445.0	2468.4	2504.2	2579.1	2638.4	2704.3	2887.7	3114.6	3405.3
25°	2594.8	2583.6	2569.1	2579.1	2574.6	2621.6	2692.0	2783.7	3020.7	3236.5	3498.1
27.5°	2756.9	2766.9	2742.3	2743.5	2704.3	2687.6	2769.2	2907.8	3218.6	3408.6	3635.6
30°	2977.1	2969.3	2970.4	2967.0	2876.5	2797.1	2885.4	3069.9	3467.9	3671.4	3814.5
32.5°	3149.3	3160.5	3197.3	3218.6	3100.1	2972.6	3066.5	3290.1	3751.8	3971.0	4033.6
35°	3331.5	3351.6	3426.5	3495.8	3396.3	3249.9	3350.5	3581.9	4019.0	4267.2	4285.1
37.5°	3523.8	3564.0	3653.5	3775.3	3759.7	3630.0	3721.7	3925.1	4229.2	4446.1	4493.1
40°	3744.0	3783.2	3929.6	4105.1	4142.0	4112.9	4143.1	4261.6	4367.8	4453.9	4582.5
42.5°	3985.5	4039.2	4224.7	4459.5	4598.1	4623.9	4553.4	4541.1	4428.2	4364.5	4563.5
45°	4270.6	4333.2	4543.4	4847.4	5067.7	5102.3	4980.5	4822.8	4466.2	4298.5	4506.5
47.5°	4590.3	4649.6	4858.6	5224.2	5551.8	5565.2	5352.8	5099.0	4579.1	4374.5	4550.1
50°	4697.6	4734.5	4915.6	5344.9	5948.6	6051.5	5744.0	5409.8	4806.1	4598.1	4762.5
52.5°	4328.7	4343.2	4500.9	4934.6	5868.1	6528.8	6315.3	5873.7	5209.7	4939.1	5090.0
55°	3429.9	3406.4	3533.8	3931.8	5100.1	6431.6	6832.9	6602.6	5729.5	5339.3	5516.0
57.5°	2399.1	2371.2	2342.1	2611.5	3805.5	5452.3	6296.3	6704.4	6224.8	5736.2	5975.5
60°	1972.1	1945.2	1804.4	1680.3	2300.7	3915.1	4836.3	5604.3	6184.5	5716.1	5960.9
62.5°	1703.8	1688.1	1631.1	1462.3	1353.8	2234.8	3028.5	3764.1	4745.7	4488.6	4502.0
65°	1338.2	1333.7	1372.8	1390.7	1197.3	1236.5	1545.0	1956.4	2565.7	2419.2	2294.0
67.5°	914.5	904.4	978.2	1202.9	1151.5	976.0	904.4	912.2	1110.1	678.6	538.9
70°	581.3	557.9	559.0	745.7	936.8	770.3	697.6	613.8	552.3	100.6	114.0
72.5°	372.3	357.7	307.4	336.5	433.8	375.6	379.0	326.4	218.0	53.7	62.6
75°	156.5	144.2	110.7	88.3	87.2	54.8	48.1	44.7	30.2	30.2	32.4
77.5°	1.1	0.0	0.0	1.1	2.2	1.1	1.1	2.2	4.5	6.7	7.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0	3213.0
2.5°	3230.9	3204.1	3234.2	3245.4	3244.3	3245.4	3213.0	3190.6	3189.5	3161.6	3148.2
5°	3243.2	3221.9	3244.3	3229.8	3195.1	3151.5	3093.4	3043.1	3020.7	2988.3	2972.6
7.5°	3266.7	3244.3	3240.9	3182.8	3096.7	3005.1	2902.2	2810.5	2761.3	2702.1	2705.4
10°	3283.4	3257.7	3214.1	3095.6	2952.5	2806.1	2652.9	2516.5	2430.4	2351.1	2337.6
12.5°	3290.1	3252.1	3150.4	2971.5	2770.3	2579.1	2354.4	2159.9	2025.7	1921.8	1907.2
15°	3302.4	3240.9	3068.8	2821.7	2545.6	2275.0	1988.8	1722.8	1545.0	1425.4	1435.5
17.5°	3321.4	3228.6	2977.1	2654.0	2304.1	1921.8	1534.9	1229.7	1066.5	997.2	998.3
20°	3348.3	3214.1	2876.5	2469.6	2014.6	1522.7	1073.2	842.9	797.1	794.9	791.5
22.5°	3384.0	3199.6	2769.2	2267.2	1671.3	1066.5	714.4	642.8	661.8	698.7	705.4
25°	3426.5	3181.7	2649.5	2039.1	1296.8	699.8	535.5	524.3	570.2	619.3	630.5
27.5°	3492.5	3172.7	2513.2	1779.8	910.0	502.0	438.2	444.9	486.3	527.7	537.7
30°	3604.3	3189.5	2364.5	1489.1	584.7	400.2	380.1	390.2	412.5	433.8	442.7
32.5°	3756.3	3238.7	2220.3	1171.6	417.0	347.7	343.2	348.8	357.7	370.0	373.4
35°	3934.1	3323.7	2071.6	838.5	344.3	317.5	313.0	313.0	317.5	319.7	320.9
37.5°	4080.5	3413.1	1931.8	557.9	308.6	294.0	287.3	284.0	282.8	285.1	286.2
40°	4144.2	3450.0	1779.8	405.8	282.8	272.8	262.7	252.7	252.7	260.5	261.6
42.5°	4099.5	3408.6	1604.3	335.4	265.0	250.4	234.8	225.8	230.3	238.1	240.4
45°	4004.5	3306.9	1410.9	296.3	247.1	228.1	210.2	204.6	209.1	219.1	221.4
47.5°	3988.9	3239.8	1179.4	270.5	228.1	209.1	190.1	184.5	190.1	197.9	200.1
50°	4144.2	3298.0	922.3	248.2	210.2	188.9	173.3	167.7	171.0	175.5	177.8
52.5°	4428.2	3513.7	744.6	226.9	188.9	168.8	158.7	152.0	152.0	156.5	157.6
55°	4847.4	3890.5	642.8	202.3	164.3	153.2	144.2	137.5	137.5	139.7	140.9
57.5°	5330.4	4346.6	666.3	169.9	144.2	138.6	130.8	125.2	127.4	127.4	127.4
60°	5263.3	4313.1	713.3	143.1	127.4	125.2	118.5	116.3	121.9	117.4	115.1
62.5°	3877.1	2979.3	373.4	117.4	109.6	107.3	102.9	107.3	115.1	102.9	98.4
65°	1882.6	1442.2	149.8	96.1	92.8	90.6	88.3	95.0	99.5	80.5	76.0
67.5°	442.7	360.0	97.3	81.6	77.1	72.7	74.9	76.0	72.7	54.8	52.5
70°	115.1	112.9	76.0	68.2	61.5	57.0	57.0	55.9	48.1	34.7	32.4
72.5°	62.6	61.5	54.8	51.4	42.5	38.0	39.1	34.7	26.8	20.1	19.0
75°	31.3	33.5	31.3	29.1	23.5	21.2	21.2	19.0	13.4	7.8	7.8
77.5°	6.7	7.8	7.8	6.7	5.6	4.5	4.5	5.6	2.2	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	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)