

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: P635052

Luminaire Tested: GWS-SA3D-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

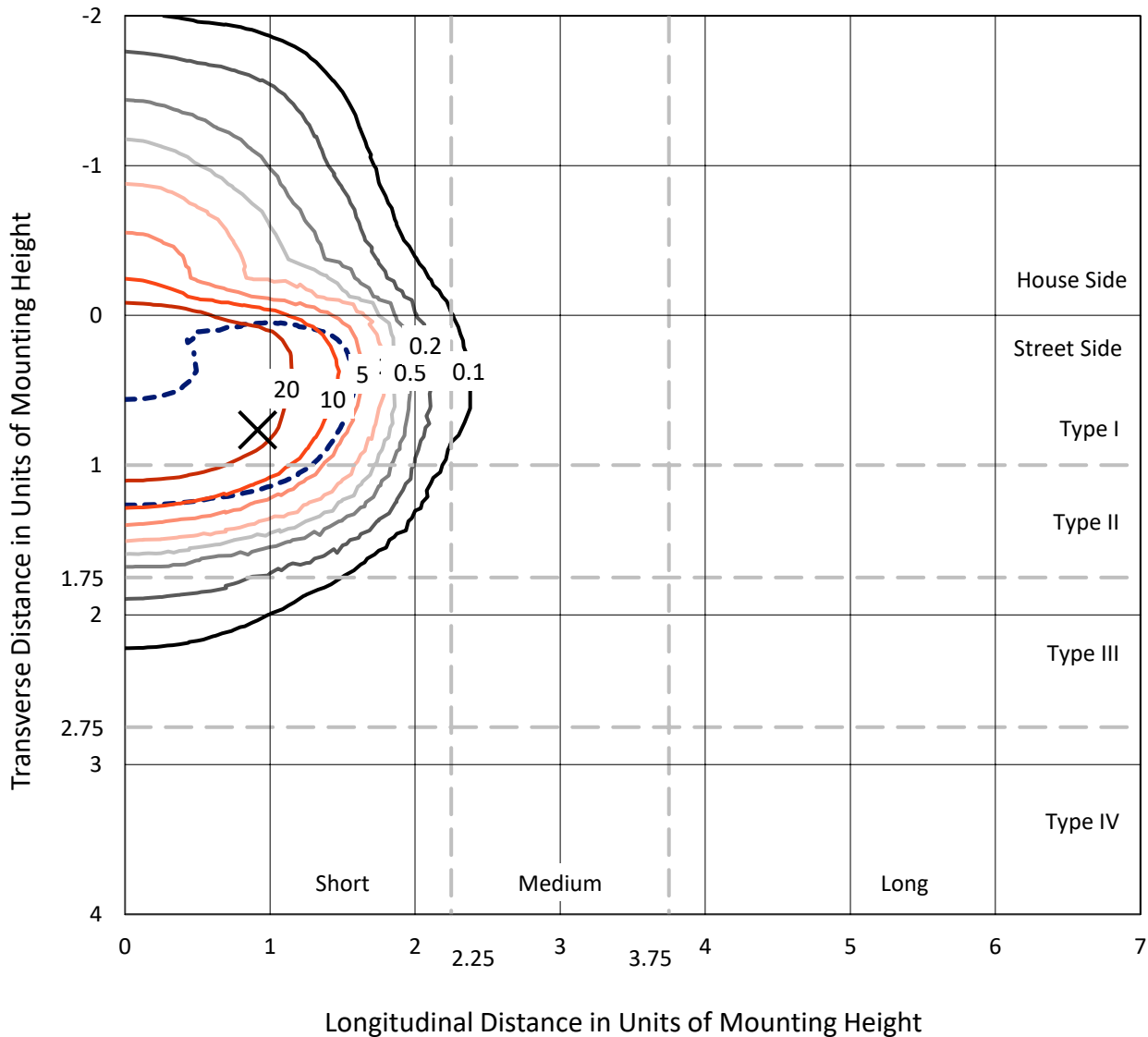
Lumens per Lamp: N/A  
Luminaire Lumens: 9762.8 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

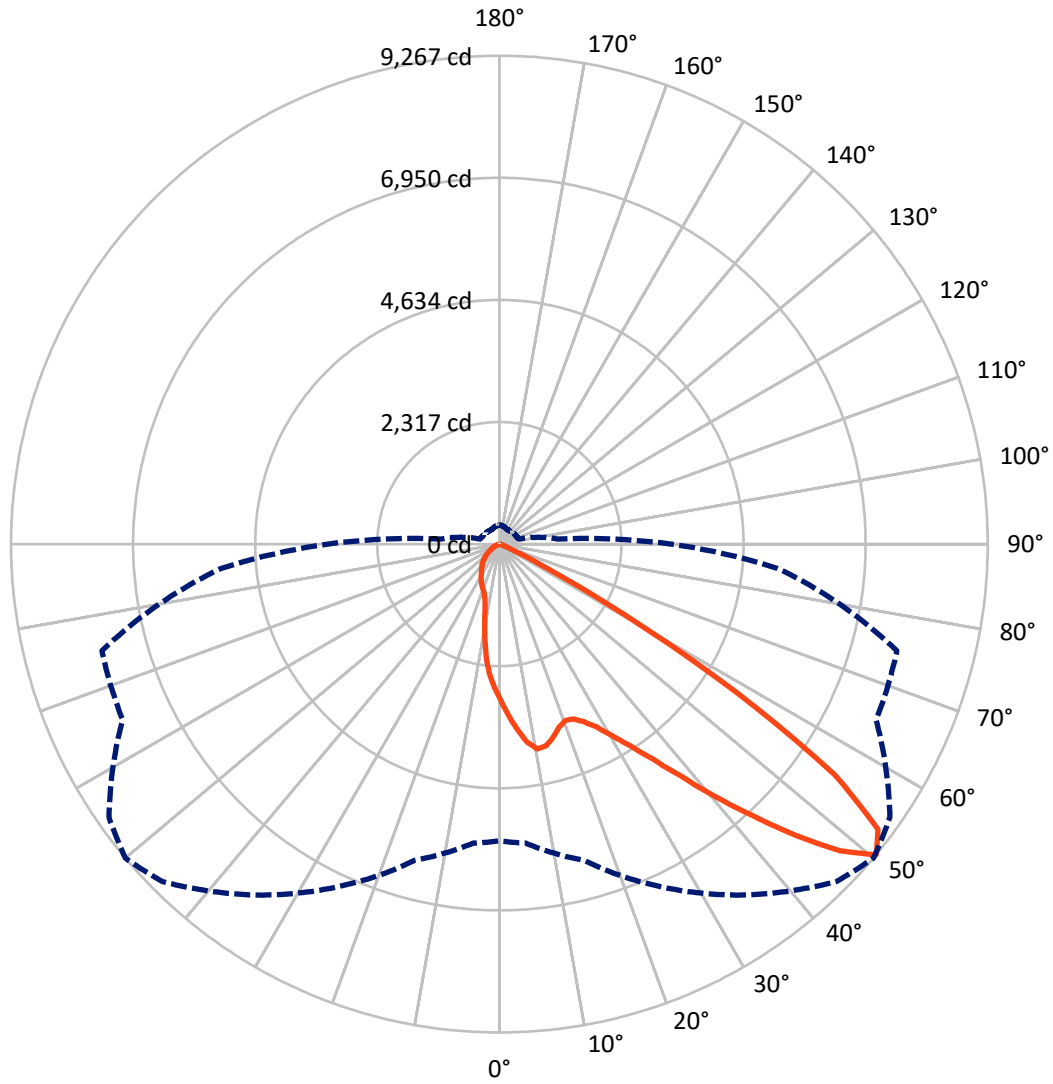
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 37.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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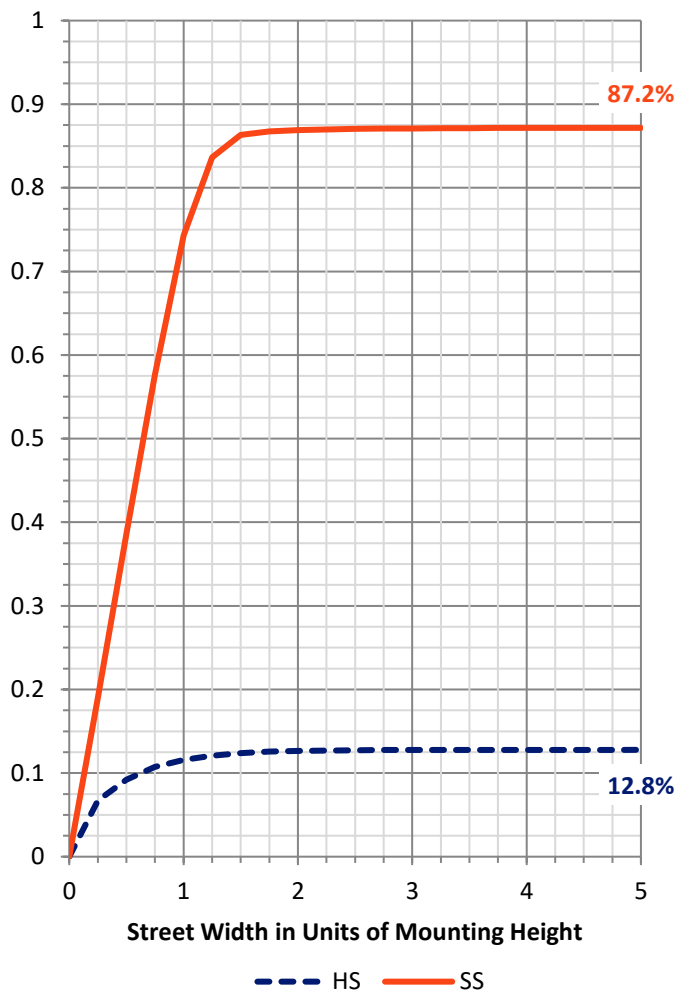
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1254.4	0.0	1254.4
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	8508.4	0.0	8508.4
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	9762.8	0.0	9762.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.4	2.8
10°-20°	707.9	7.3
20°-30°	1168.3	12.0
30°-40°	1928.0	19.7
40°-50°	3050.5	31.2
50°-60°	2309.6	23.7
60°-70°	289.0	3.0
70°-80°	32.7	0.3
80°-90°	2.5	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°	9762.8	100.0
0°-180°	9762.8	100.0

**Coefficient of Utilization**



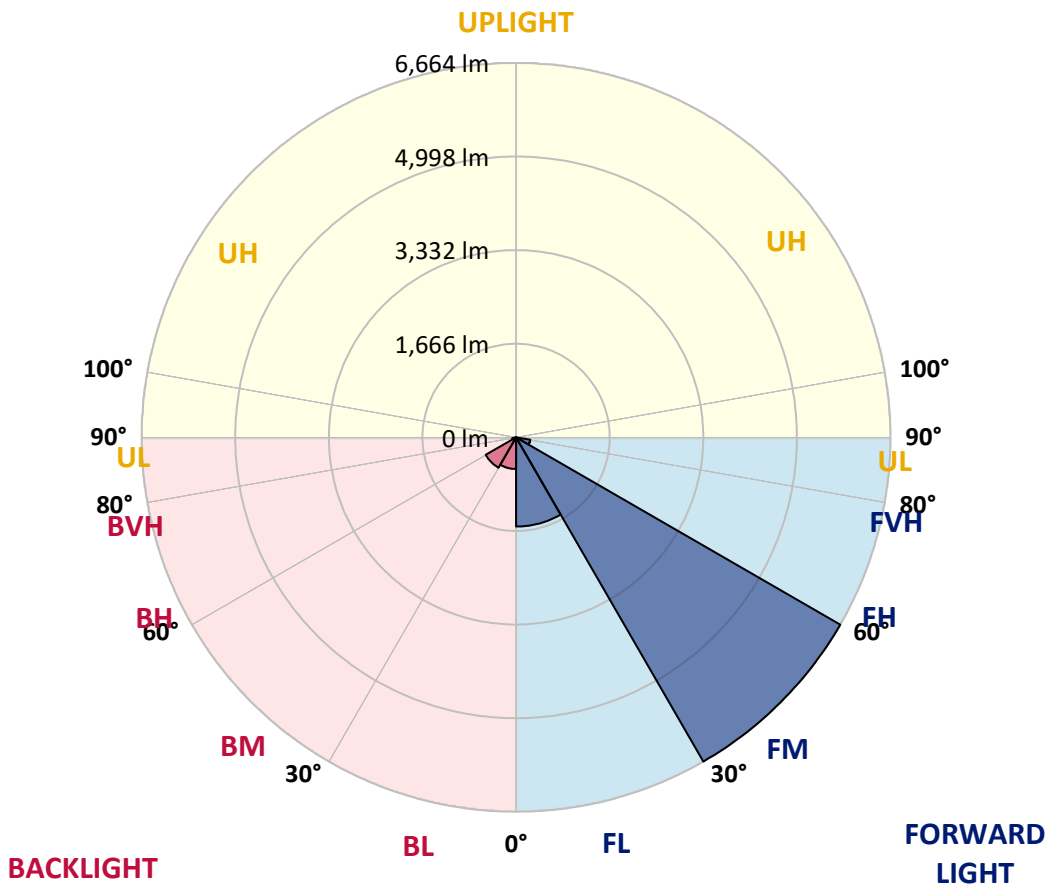
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.6	16.3			
FM (30°-60°)	6664.1	68.3			
FH (60°-80°)	255.6	2.6			G0/660
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	563.0	5.8	B2/1000		
BM (30°-60°)	623.8	6.4	B1/1000		
BH (60°-80°)	66.2	0.7	B0/110		G0/110
BVH (80°-90°)	1.3	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7
2.5°	3370.3	3397.3	3389.8	3354.5	3316.4	3289.5	3247.7	3234.7	3139.9	3073.9	3004.2
5°	3777.3	3785.7	3776.4	3733.6	3666.7	3602.6	3533.9	3493.9	3335.0	3191.9	3046.0
7.5°	3874.9	3864.7	3882.3	3903.7	3894.4	3866.5	3794.0	3750.4	3560.8	3327.6	3106.4
10°	3570.1	3546.9	3612.8	3723.4	3839.6	3970.6	3952.0	3955.7	3781.0	3498.6	3185.4
12.5°	3165.9	3156.6	3205.8	3334.1	3561.7	3859.1	3930.6	4050.5	3982.7	3683.5	3275.5
15°	2988.4	2993.1	3022.8	3103.6	3267.2	3637.0	3808.9	4025.4	4163.0	3862.8	3375.0
17.5°	3015.4	3032.1	3031.1	3058.1	3157.5	3453.9	3654.7	3946.4	4302.3	4069.1	3489.3
20°	3198.4	3215.1	3190.0	3169.6	3203.1	3407.5	3573.8	3866.5	4396.2	4277.2	3610.1
22.5°	3472.5	3492.0	3432.6	3374.0	3352.7	3483.7	3604.5	3834.0	4467.7	4467.7	3717.9
25°	3804.3	3831.2	3739.2	3635.1	3575.7	3644.4	3735.5	3907.4	4541.1	4638.7	3791.3
27.5°	4175.0	4176.0	4097.0	3979.9	3868.4	3876.7	3931.6	4072.8	4622.0	4822.7	3848.9
30°	4592.3	4595.0	4490.0	4349.7	4209.4	4171.3	4217.8	4324.6	4790.2	5054.1	3928.8
32.5°	5131.2	5144.2	4993.7	4787.4	4605.3	4533.7	4560.7	4673.1	5057.8	5344.0	4048.7
35°	5859.7	5873.7	5651.6	5379.3	5089.4	4981.6	5008.6	5121.9	5445.3	5755.7	4240.1
37.5°	6579.0	6597.5	6372.7	6119.0	5721.3	5542.9	5570.7	5678.5	6027.0	6324.3	4546.7
40°	7076.1	7101.2	7031.5	6860.5	6491.6	6257.4	6290.9	6329.9	6667.2	7004.5	4944.4
42.5°	7338.1	7373.4	7403.2	7490.5	7296.3	7100.2	7043.6	7046.4	7318.6	7697.7	5357.9
45°	7353.9	7388.3	7540.7	7878.0	8025.8	7984.9	7881.7	7812.0	7815.8	8159.6	5616.3
47.5°	6842.9	6907.0	7192.2	7852.9	8408.6	8747.8	8695.7	8530.3	8024.8	8190.2	5588.4
50°	5632.1	5695.3	6213.8	7164.4	8129.8	9052.6	9267.2	9045.1	7888.2	7808.3	5301.3
52.5°	4090.5	4097.0	4433.4	5543.8	6999.9	8490.4	8995.9	8974.5	7680.1	7345.6	4909.1
55°	1943.0	1919.8	2298.0	3128.7	4841.3	6867.0	7719.1	7960.7	7384.6	7011.0	4605.3
57.5°	565.9	577.1	745.2	1221.0	2421.6	4388.8	5286.4	5736.1	6061.4	5764.0	3572.0
60°	253.7	254.6	283.4	371.7	806.6	2041.5	2732.9	3289.5	3624.0	3358.2	1772.0
62.5°	184.0	184.9	196.1	210.0	274.1	691.3	1024.9	1366.0	1391.1	910.6	448.8
65°	153.3	153.3	155.2	155.2	164.5	247.2	311.3	401.4	338.2	250.9	175.6
67.5°	123.6	124.5	126.4	126.4	123.6	123.6	133.8	146.8	157.0	194.2	161.7
70°	96.6	95.7	95.7	96.6	93.9	79.9	86.4	98.5	107.8	151.5	140.3
72.5°	75.3	76.2	75.3	71.6	65.0	47.4	51.1	64.1	68.8	94.8	94.8
75°	56.7	57.6	53.9	40.9	26.9	14.9	19.5	31.6	40.0	46.5	34.4
77.5°	7.4	7.4	5.6	5.6	4.6	5.6	5.6	7.4	11.2	11.2	8.4
80°	0.9	0.9	0.9	1.9	2.8	3.7	3.7	3.7	3.7	4.6	4.6
82.5°	0.9	0.9	0.9	0.9	2.8	2.8	3.7	3.7	3.7	3.7	3.7
85°	0.0	0.0	0.0	0.9	1.9	2.8	2.8	3.7	3.7	3.7	3.7
87.5°	0.0	0.0	0.0	0.9	1.9	2.8	2.8	2.8	3.7	3.7	3.7
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°	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7	2957.7
2.5°	2962.4	2908.5	2843.4	2798.8	2735.7	2693.8	2634.4	2594.4	2560.0	2533.1	2547.9
5°	2963.3	2877.8	2744.9	2631.6	2508.0	2394.6	2272.9	2177.2	2090.8	2051.7	2073.1
7.5°	2981.9	2859.2	2655.7	2454.1	2217.1	1983.0	1763.7	1585.3	1497.0	1455.2	1468.2
10°	3018.1	2850.9	2556.3	2221.8	1837.1	1517.4	1304.6	1183.8	1134.6	1108.6	1113.2
12.5°	3051.6	2845.3	2427.1	1916.1	1449.6	1177.3	1066.8	1050.0	1060.3	1061.2	1060.3
15°	3097.1	2835.1	2267.3	1602.0	1159.7	1017.5	1020.3	1044.5	1068.6	1076.0	1074.2
17.5°	3145.4	2819.3	2061.0	1300.9	984.1	971.0	1003.6	1036.1	1060.3	1064.0	1064.9
20°	3195.6	2786.8	1825.9	1062.1	902.3	935.7	972.0	996.1	1013.8	1019.4	1021.2
22.5°	3218.9	2718.0	1554.6	891.1	847.5	892.1	919.0	950.6	956.2	935.7	939.5
25°	3206.8	2601.8	1289.8	775.9	792.6	837.2	877.2	861.4	838.2	823.3	827.9
27.5°	3168.7	2447.6	1030.5	691.3	734.1	790.8	795.4	777.8	774.0	762.0	765.7
30°	3127.8	2270.1	828.9	623.5	674.6	734.1	720.2	726.7	727.6	713.6	718.3
32.5°	3102.7	2084.3	659.8	578.0	636.5	647.7	675.6	688.6	689.5	657.0	662.5
35°	3111.1	1901.2	558.5	540.8	601.2	598.4	637.5	644.9	591.0	546.4	551.0
37.5°	3178.9	1732.1	500.9	512.0	539.9	561.3	591.0	541.7	529.7	509.2	512.0
40°	3305.3	1588.1	466.5	494.4	498.1	532.4	486.9	493.4	494.4	481.3	484.1
42.5°	3453.0	1468.2	446.0	484.1	474.8	480.4	434.9	447.9	461.8	456.3	457.2
45°	3527.4	1351.1	428.4	448.8	451.6	398.6	388.4	402.4	420.0	422.8	423.7
47.5°	3461.4	1239.6	409.8	397.7	416.3	363.3	351.2	355.9	376.3	387.5	389.3
50°	3259.7	1111.4	381.9	352.2	342.0	326.2	315.0	315.9	339.2	358.7	362.4
52.5°	2976.3	977.6	336.4	298.3	275.1	287.1	289.9	284.3	305.7	325.2	328.9
55°	2701.3	810.3	266.7	242.5	221.2	247.2	254.6	247.2	253.7	266.7	267.6
57.5°	1902.1	458.1	204.4	200.7	183.1	211.9	223.9	212.8	201.6	210.0	211.9
60°	881.8	239.7	157.0	157.0	152.4	182.1	202.6	186.8	165.4	169.1	171.9
62.5°	276.0	151.5	115.2	108.7	124.5	155.2	171.9	156.1	131.0	131.0	134.7
65°	156.1	130.1	91.1	83.6	101.3	124.5	134.7	118.0	95.7	93.9	93.9
67.5°	145.0	123.6	80.8	67.8	71.6	79.9	83.6	72.5	66.0	65.0	66.0
70°	119.9	103.1	65.0	46.5	43.7	42.7	44.6	41.8	40.0	40.9	43.7
72.5°	74.3	62.3	40.9	27.9	24.2	23.2	23.2	23.2	22.3	22.3	22.3
75°	26.9	23.2	18.6	13.9	12.1	11.2	11.2	12.1	11.2	10.2	9.3
77.5°	8.4	7.4	7.4	7.4	6.5	5.6	4.6	4.6	3.7	2.8	2.8
80°	4.6	4.6	4.6	4.6	3.7	3.7	2.8	1.9	0.9	0.9	0.0
82.5°	4.6	4.6	4.6	3.7	3.7	3.7	2.8	1.9	0.9	0.0	0.0
85°	3.7	3.7	3.7	3.7	3.7	3.7	2.8	1.9	0.9	0.0	0.0
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	2.8	1.9	0.9	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)