

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: P636049

Luminaire Tested: GWS-SA3F-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636049
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-SA3F-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 10575.4 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

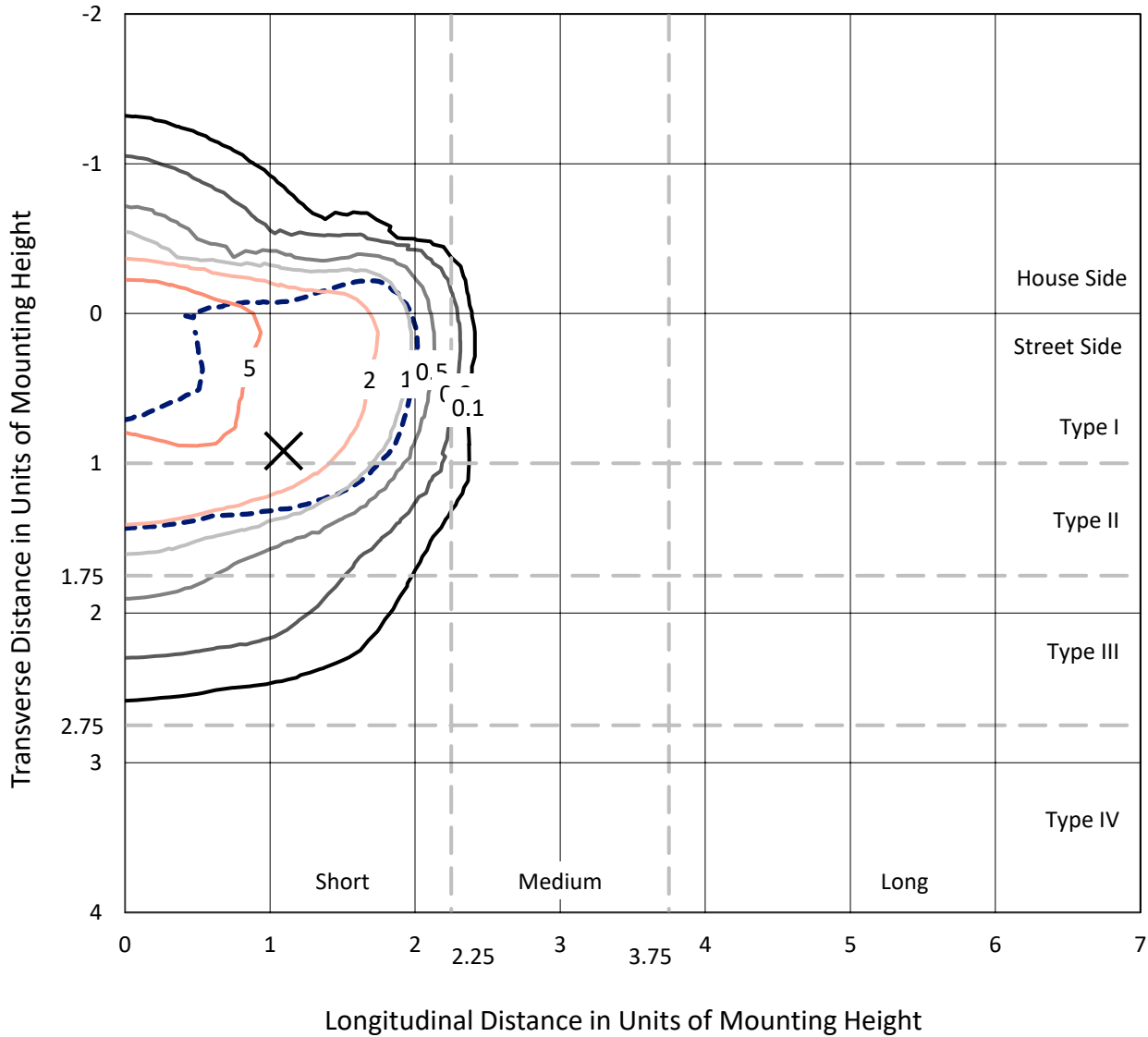
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

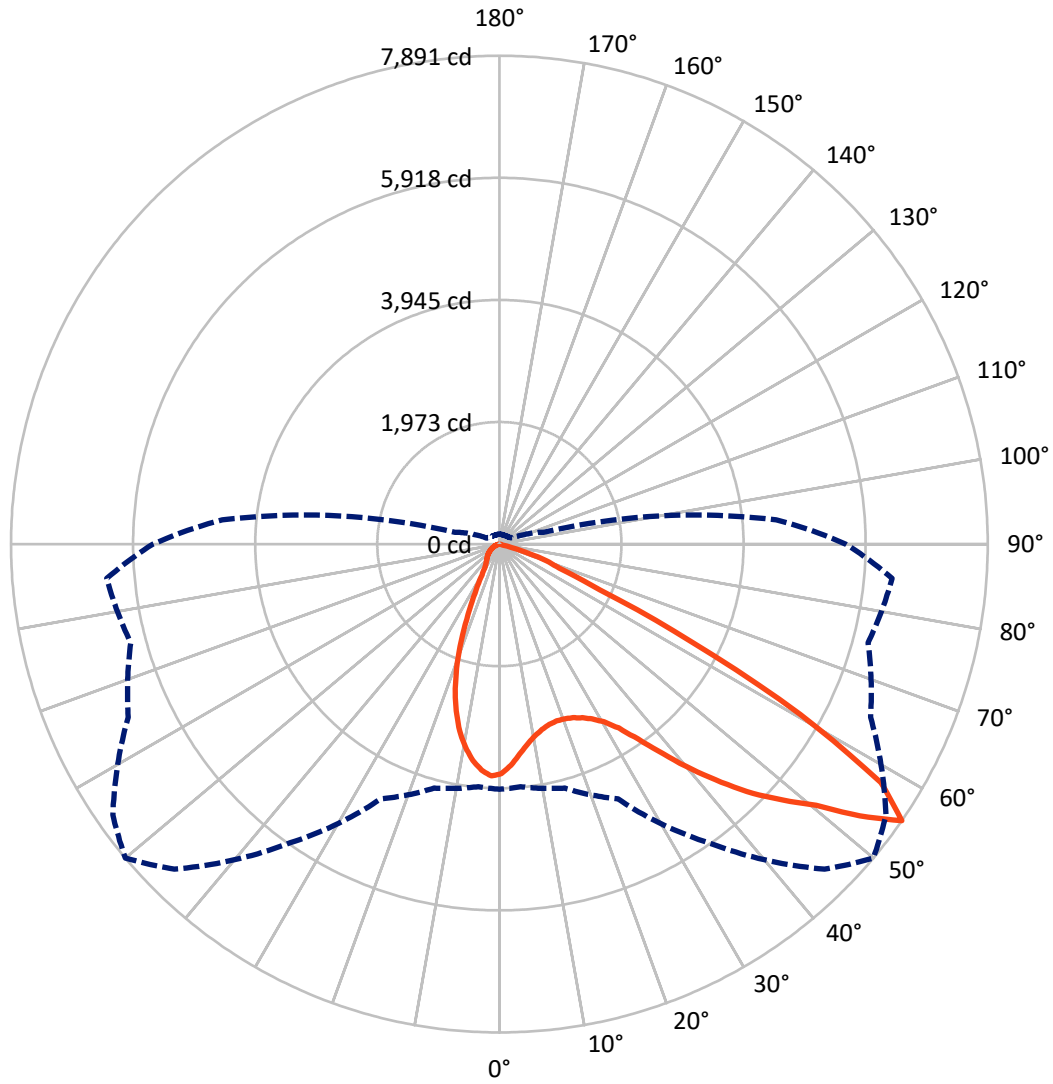
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 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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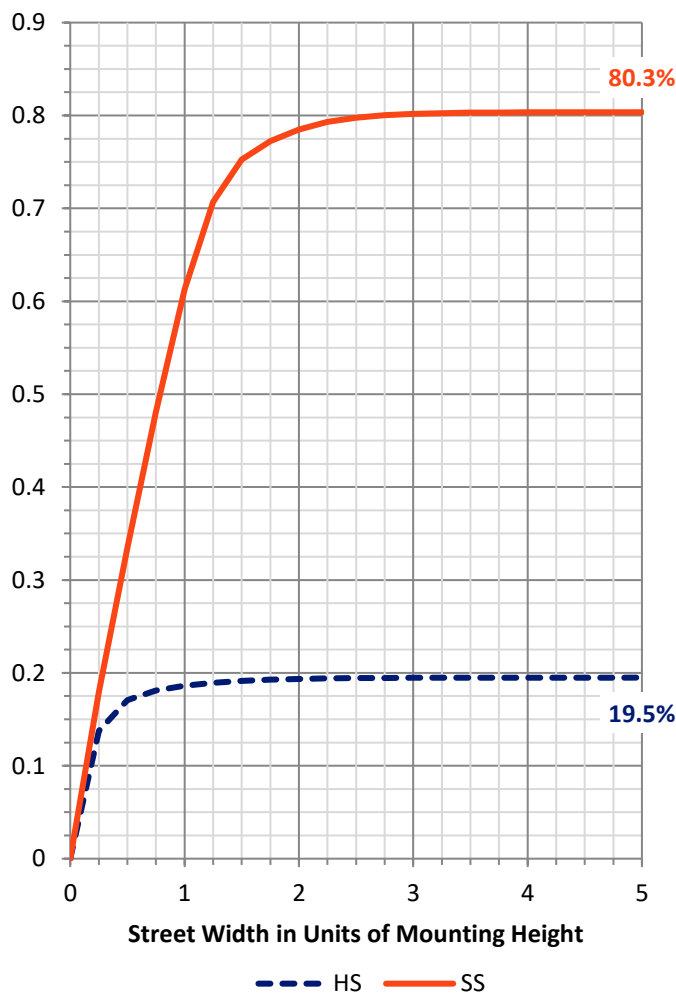
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2083.8	0.0	2083.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	8491.6	0.0	8491.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	10575.4	0.0	10575.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.9	3.1
10°-20°	801.9	7.6
20°-30°	1131.1	10.7
30°-40°	1673.8	15.8
40°-50°	2414.7	22.8
50°-60°	2848.3	26.9
60°-70°	1270.6	12.0
70°-80°	109.2	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°	10575.4	100.0
0°-180°	10575.4	100.0

Coefficient of Utilization



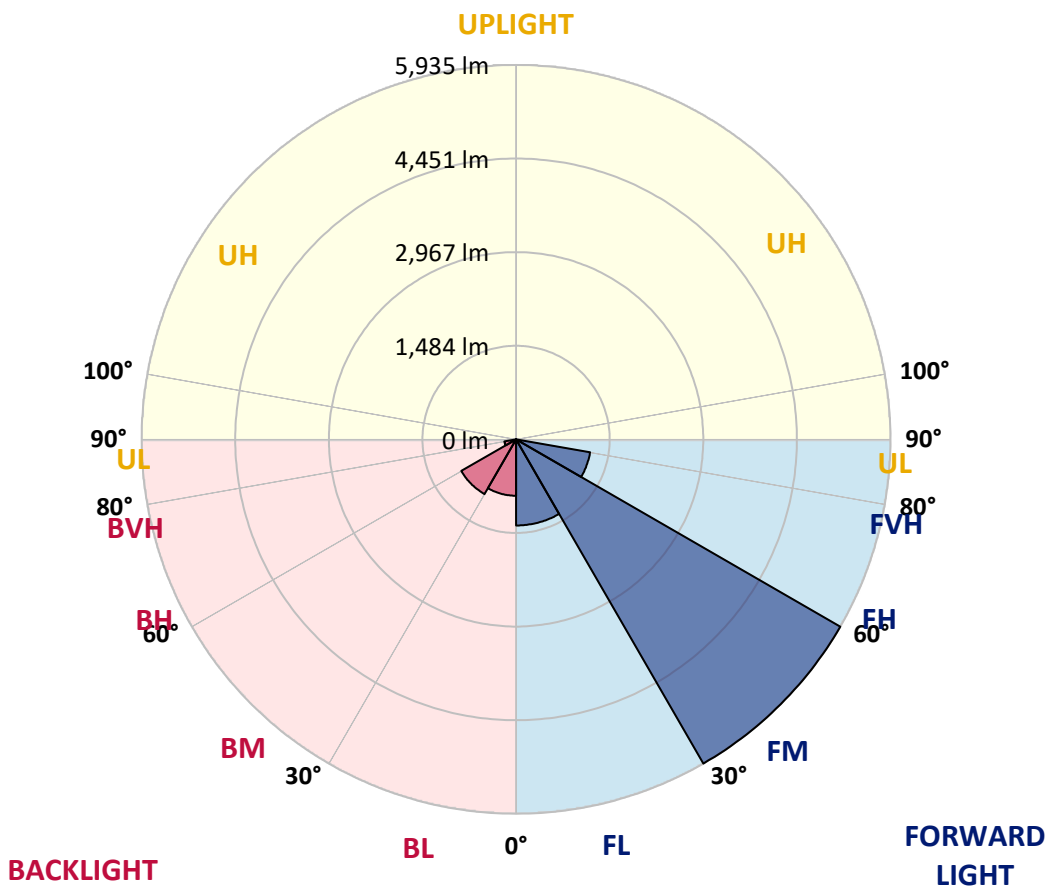
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1365.3	12.9			
FM (30°-60°)	5934.6	56.1			
FH (60°-80°)	1191.7	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	893.5	8.4	B2/1000		
BM (30°-60°)	1002.2	9.5	B2/2500		
BH (60°-80°)	188.2	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°	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4
2.5°	3447.1	3449.6	3450.9	3485.8	3498.7	3550.3	3577.5	3591.7	3629.1	3673.0	3709.1
5°	3216.0	3212.1	3218.6	3262.4	3290.9	3367.0	3408.3	3436.7	3519.4	3622.6	3709.1
7.5°	3014.6	3022.3	3030.1	3077.8	3120.4	3203.1	3262.4	3305.1	3420.0	3573.6	3719.5
10°	2872.6	2872.6	2884.2	2938.4	2988.7	3090.7	3150.1	3204.4	3341.2	3529.7	3731.1
12.5°	2768.0	2769.3	2783.5	2845.4	2903.5	3009.4	3071.4	3124.3	3275.4	3485.8	3733.7
15°	2718.9	2715.0	2726.7	2792.5	2857.1	2956.5	3021.0	3072.7	3228.9	3461.3	3746.6
17.5°	2706.0	2703.4	2712.5	2777.0	2842.9	2939.7	3003.0	3054.6	3222.4	3469.0	3785.3
20°	2743.5	2738.3	2734.4	2789.9	2851.9	2947.4	3013.3	3071.4	3253.4	3511.6	3844.7
22.5°	2832.5	2832.5	2823.5	2850.6	2891.9	2978.4	3046.8	3123.0	3334.7	3596.8	3932.5
25°	2996.5	2983.6	2966.8	2978.4	2973.3	3027.5	3108.8	3214.7	3488.4	3737.6	4039.7
27.5°	3183.7	3195.3	3166.9	3168.2	3123.0	3103.7	3197.9	3358.0	3716.9	3936.4	4198.5
30°	3438.0	3429.0	3430.3	3426.4	3321.8	3230.2	3332.2	3545.2	4004.8	4239.8	4405.0
32.5°	3636.8	3649.8	3692.4	3716.9	3580.0	3432.9	3541.3	3799.5	4332.7	4585.8	4658.1
35°	3847.3	3870.5	3957.0	4037.1	3922.2	3753.0	3869.2	4136.5	4641.3	4927.9	4948.5
37.5°	4069.3	4115.8	4219.1	4359.8	4341.8	4192.0	4297.9	4532.8	4884.0	5134.5	5188.7
40°	4323.7	4368.9	4538.0	4740.7	4783.3	4749.7	4784.6	4921.4	5044.1	5143.5	5292.0
42.5°	4602.5	4664.5	4878.8	5149.9	5310.0	5339.7	5258.4	5244.2	5113.8	5040.2	5270.0
45°	4931.8	5004.1	5246.8	5597.9	5852.3	5892.3	5751.6	5569.5	5157.7	4964.0	5204.2
47.5°	5301.0	5369.4	5610.8	6033.0	6411.3	6426.8	6181.5	5888.4	5288.1	5051.8	5254.5
50°	5424.9	5467.5	5676.7	6172.4	6869.6	6988.4	6633.3	6247.3	5550.2	5310.0	5499.8
52.5°	4998.9	5015.7	5197.7	5698.6	6776.6	7539.7	7293.1	6783.1	6016.2	5703.8	5878.1
55°	3960.9	3933.8	4081.0	4540.6	5889.7	7427.3	7890.8	7624.9	6616.6	6166.0	6370.0
57.5°	2770.6	2738.3	2704.7	3015.9	4394.7	6296.4	7271.1	7742.3	7188.5	6624.3	6900.6
60°	2277.4	2246.4	2083.7	1940.4	2657.0	4521.2	5585.0	6472.0	7142.0	6601.1	6883.8
62.5°	1967.5	1949.5	1883.6	1688.7	1563.4	2580.8	3497.4	4346.9	5480.4	5183.5	5199.0
65°	1545.4	1540.2	1585.4	1606.0	1382.7	1427.9	1784.2	2259.3	2962.9	2793.8	2649.2
67.5°	1056.1	1044.4	1129.7	1389.2	1329.8	1127.1	1044.4	1053.5	1282.0	783.7	622.3
70°	671.3	644.2	645.5	861.1	1081.9	889.5	805.6	708.8	637.8	116.2	131.7
72.5°	429.9	413.1	355.0	388.6	500.9	433.8	437.7	377.0	251.8	62.0	72.3
75°	180.7	166.5	127.8	102.0	100.7	63.3	55.5	51.6	34.9	34.9	37.4
77.5°	1.3	0.0	0.0	1.3	2.6	1.3	1.3	2.6	5.2	7.7	9.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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°	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4	3710.4
2.5°	3731.1	3700.1	3735.0	3747.9	3746.6	3747.9	3710.4	3684.6	3683.3	3651.1	3635.6
5°	3745.3	3720.8	3746.6	3729.8	3689.8	3639.4	3572.3	3514.2	3488.4	3450.9	3432.9
7.5°	3772.4	3746.6	3742.7	3675.6	3576.2	3470.3	3351.5	3245.7	3188.9	3120.4	3124.3
10°	3791.8	3762.1	3711.7	3574.9	3409.6	3240.5	3063.6	2906.1	2806.7	2715.0	2699.6
12.5°	3799.5	3755.6	3638.1	3431.6	3199.2	2978.4	2718.9	2494.3	2339.4	2219.3	2202.5
15°	3813.7	3742.7	3543.9	3258.6	2939.7	2627.3	2296.8	1989.5	1784.2	1646.1	1657.7
17.5°	3835.7	3728.5	3438.0	3064.9	2660.8	2219.3	1772.6	1420.1	1231.6	1151.6	1152.9
20°	3866.7	3711.7	3321.8	2851.9	2326.4	1758.4	1239.4	973.4	920.5	917.9	914.1
22.5°	3908.0	3694.9	3197.9	2618.2	1930.1	1231.6	825.0	742.3	764.3	806.9	814.6
25°	3957.0	3674.3	3059.8	2354.9	1497.6	808.2	618.4	605.5	658.4	715.2	728.1
27.5°	4033.2	3664.0	2902.2	2055.3	1050.9	579.7	506.1	513.8	561.6	609.4	621.0
30°	4162.3	3683.3	2730.5	1719.7	675.2	462.2	439.0	450.6	476.4	500.9	511.3
32.5°	4337.9	3740.1	2564.0	1353.0	481.6	401.5	396.3	402.8	413.1	427.3	431.2
35°	4543.2	3838.3	2392.3	968.3	397.6	366.7	361.5	361.5	366.7	369.2	370.5
37.5°	4712.3	3941.5	2230.9	644.2	356.3	339.5	331.8	327.9	326.6	329.2	330.5
40°	4785.9	3984.1	2055.3	468.6	326.6	315.0	303.4	291.8	291.8	300.8	302.1
42.5°	4734.2	3936.4	1852.6	387.3	306.0	289.2	271.1	260.8	266.0	275.0	277.6
45°	4624.5	3818.9	1629.3	342.1	285.3	263.4	242.7	236.3	241.4	253.0	255.6
47.5°	4606.4	3741.4	1362.0	312.4	263.4	241.4	219.5	213.0	219.5	228.5	231.1
50°	4785.9	3808.6	1065.1	286.6	242.7	218.2	200.1	193.7	197.5	202.7	205.3
52.5°	5113.8	4057.7	859.8	262.1	218.2	194.9	183.3	175.6	175.6	180.7	182.0
55°	5597.9	4492.8	742.3	233.7	189.8	176.9	166.5	158.8	158.8	161.4	162.7
57.5°	6155.7	5019.5	769.5	196.2	166.5	160.1	151.1	144.6	147.2	147.2	147.2
60°	6078.2	4980.8	823.7	165.3	147.2	144.6	136.8	134.3	140.7	135.6	133.0
62.5°	4477.3	3440.6	431.2	135.6	126.5	123.9	118.8	123.9	133.0	118.8	113.6
65°	2174.1	1665.4	173.0	111.0	107.2	104.6	102.0	109.7	114.9	93.0	87.8
67.5°	511.3	415.7	112.3	94.2	89.1	83.9	86.5	87.8	83.9	63.3	60.7
70°	133.0	130.4	87.8	78.8	71.0	65.8	65.8	64.6	55.5	40.0	37.4
72.5°	72.3	71.0	63.3	59.4	49.1	43.9	45.2	40.0	31.0	23.2	21.9
75°	36.1	38.7	36.1	33.6	27.1	24.5	24.5	21.9	15.5	9.0	9.0
77.5°	7.7	9.0	9.0	7.7	6.5	5.2	5.2	6.5	2.6	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	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)