

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: P635167

Luminaire Tested: GWS-SA3D-730-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14126.8 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

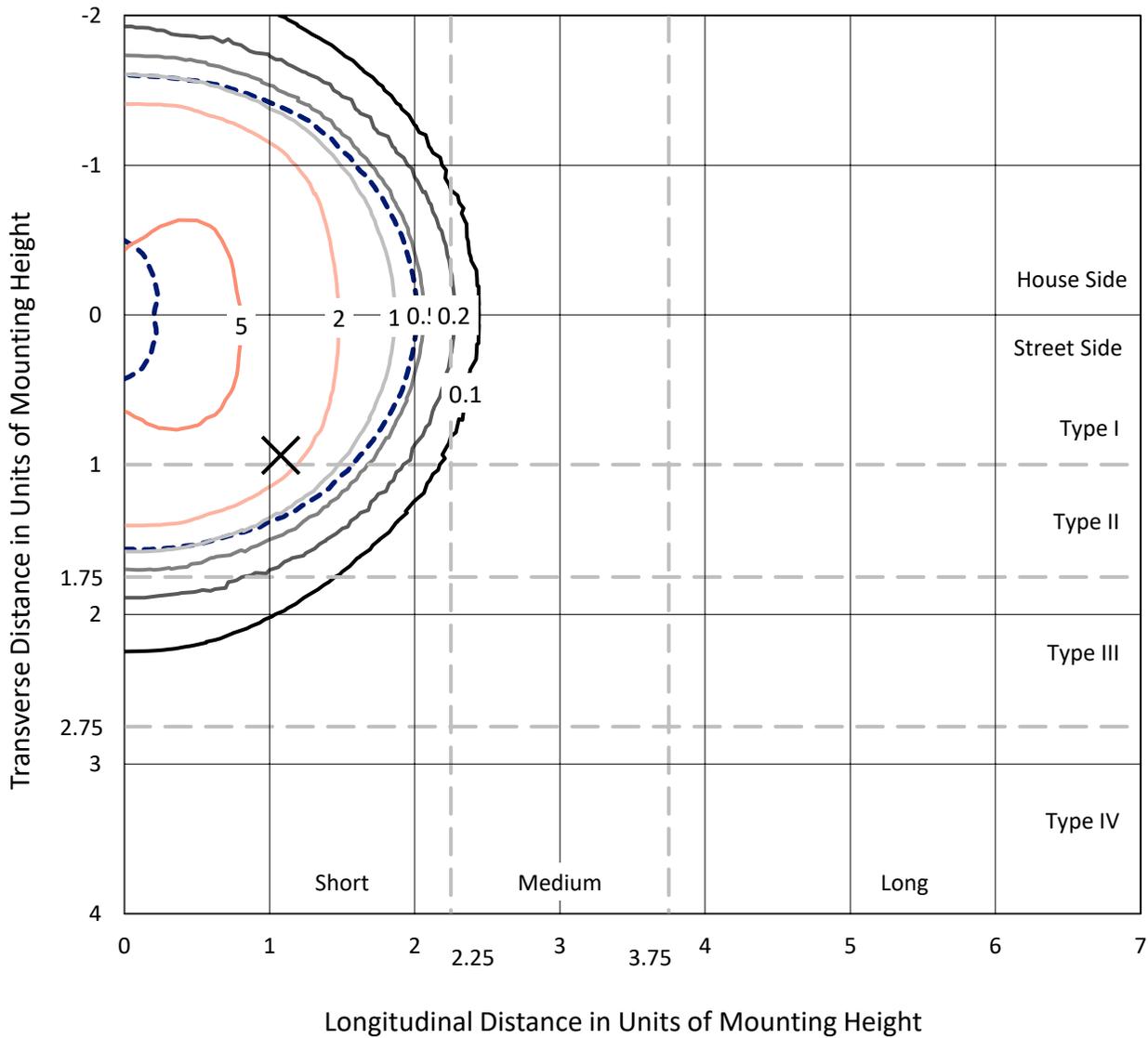
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

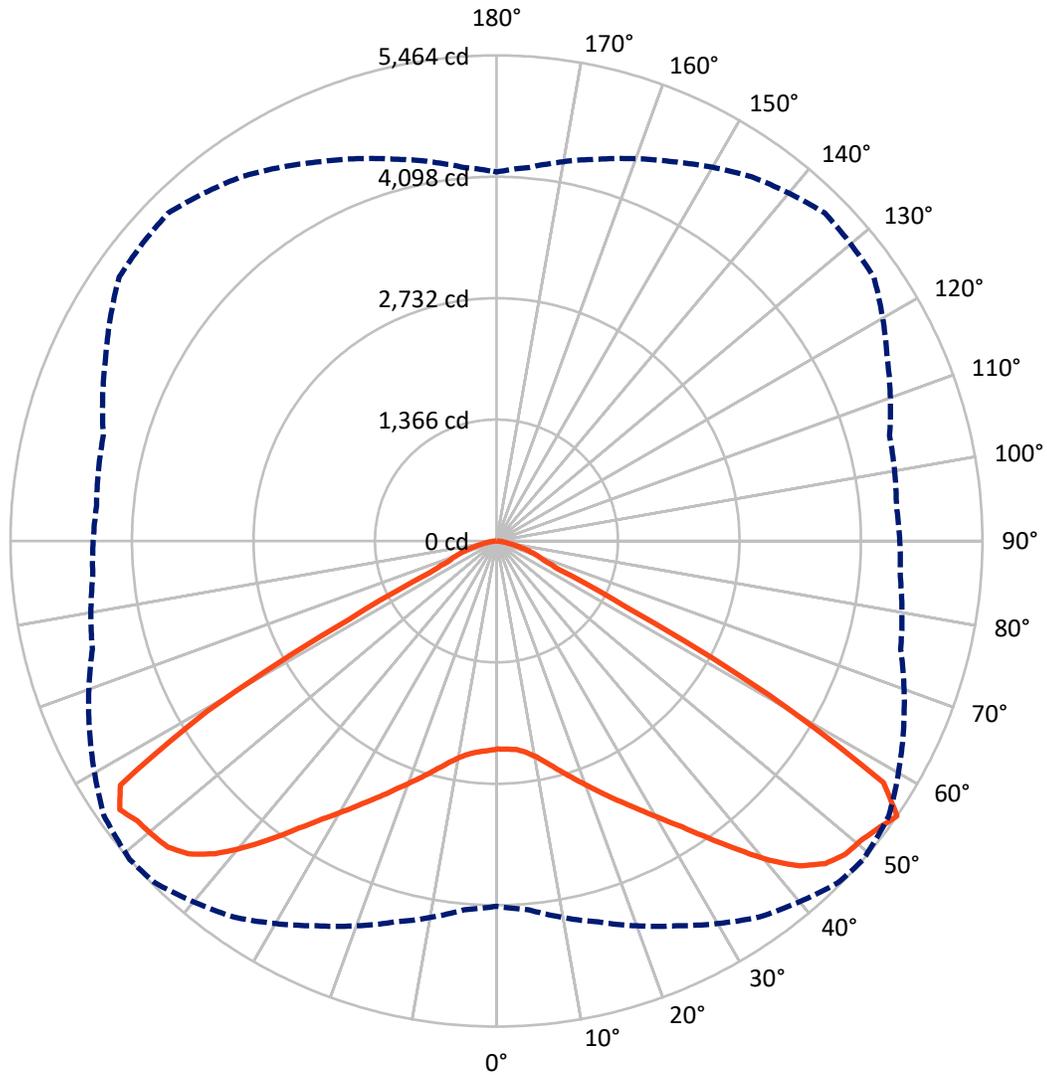
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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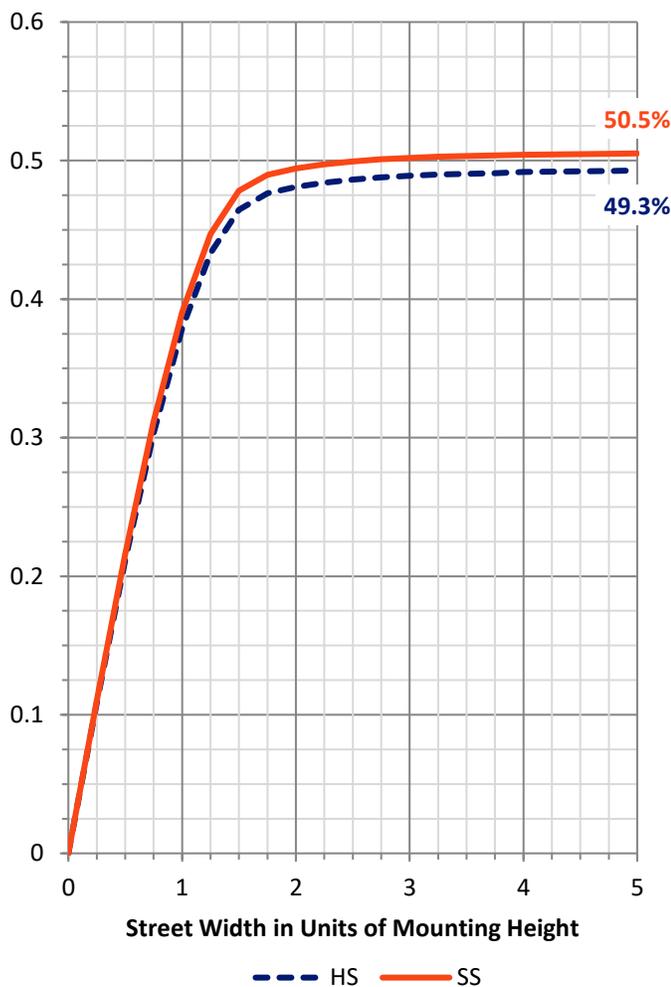
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6994.1	0.0	6994.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	7132.7	0.0	7132.7
	% Fixture	50.5	0.0	50.5
Total	Lumens	14126.8	0.0	14126.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.3	1.6
10°-20°	753.0	5.3
20°-30°	1434.2	10.2
30°-40°	2431.3	17.2
40°-50°	3658.9	25.9
50°-60°	4005.1	28.4
60°-70°	1266.4	9.0
70°-80°	303.9	2.2
80°-90°	45.6	0.3
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°	14126.8	100.0
0°-180°	14126.8	100.0

Coefficient of Utilization



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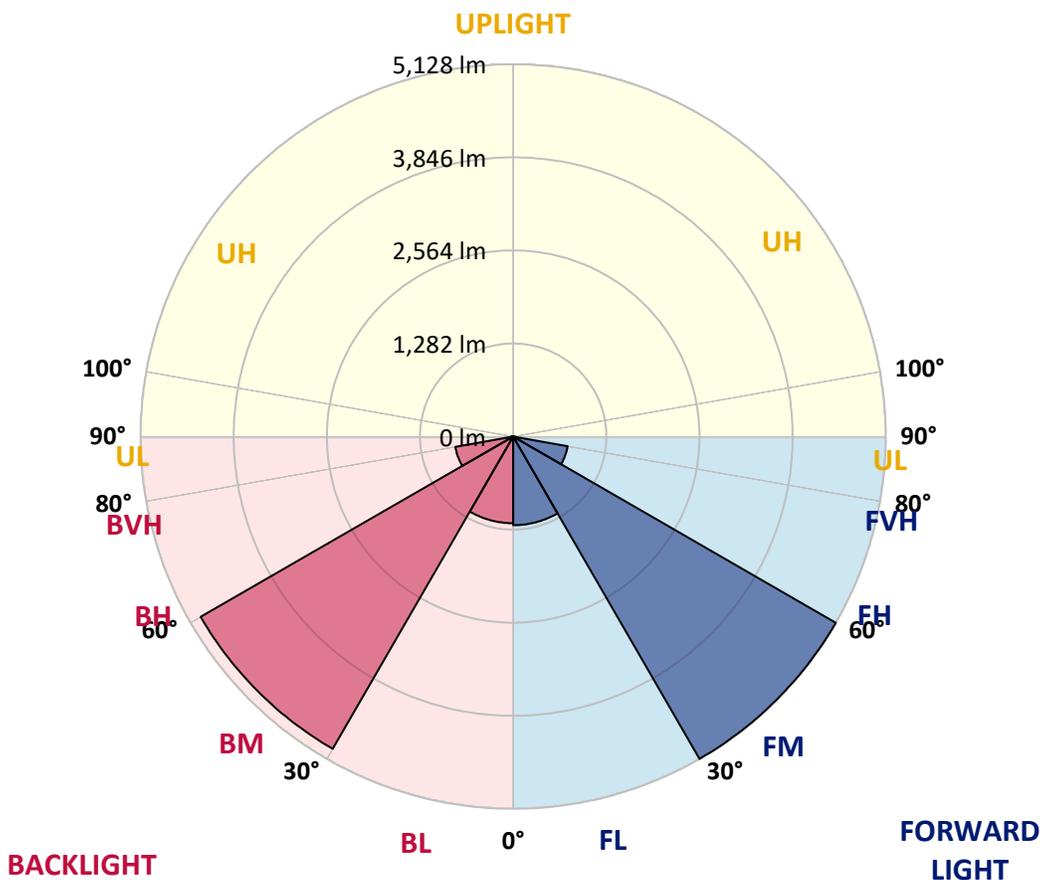
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1221.4	8.6			
FM (30°-60°)	5128.4	36.3			
FH (60°-80°)	761.8	5.4			G1/1800
FVH (80°-90°)	21.1	0.1			G1/100
BL (0°-30°)	1194.1	8.5	B3/2500		
BM (30°-60°)	4966.9	35.2	B3/5000		
BH (60°-80°)	808.6	5.7	B2/1000		G1/1800
BVH (80°-90°)	24.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2
2.5°	2305.7	2308.0	2312.6	2320.7	2328.7	2340.2	2344.8	2350.5	2349.4	2356.3	2356.3
5°	2294.2	2297.7	2304.6	2316.1	2329.9	2351.7	2357.4	2371.2	2385.0	2402.2	2408.0
7.5°	2308.0	2312.6	2320.7	2339.0	2359.7	2388.4	2399.9	2422.9	2449.3	2480.3	2493.0
10°	2334.4	2340.2	2354.0	2383.8	2417.2	2460.8	2471.2	2499.9	2542.4	2584.9	2610.2
12.5°	2364.3	2373.5	2398.8	2445.9	2495.3	2552.7	2568.8	2604.4	2650.4	2705.5	2740.0
15°	2398.8	2406.8	2445.9	2512.5	2589.5	2665.3	2683.7	2718.2	2769.9	2823.9	2872.1
17.5°	2471.2	2484.9	2530.9	2607.9	2697.5	2787.1	2807.8	2846.8	2888.2	2930.7	2976.6
20°	2570.0	2581.4	2640.0	2735.4	2841.1	2922.7	2943.3	2977.8	2997.3	3019.2	3058.2
22.5°	2668.8	2684.8	2751.5	2864.1	2988.1	3076.6	3092.7	3124.8	3111.1	3104.2	3129.4
25°	2791.7	2813.5	2879.0	3001.9	3128.3	3237.4	3250.1	3277.6	3254.7	3219.1	3217.9
27.5°	2944.5	2964.0	3031.8	3158.2	3283.4	3397.1	3421.2	3458.0	3407.5	3363.8	3332.8
30°	3126.0	3138.6	3213.3	3347.7	3476.4	3584.4	3615.4	3652.2	3614.3	3541.9	3510.9
32.5°	3337.4	3354.6	3440.8	3582.1	3697.0	3805.0	3836.0	3881.9	3840.6	3759.0	3719.9
35°	3591.3	3608.5	3699.3	3853.2	3970.4	4081.8	4103.7	4141.6	4089.9	3995.7	3964.7
37.5°	3867.0	3888.8	4003.7	4149.6	4272.5	4402.4	4403.5	4415.0	4341.5	4224.3	4189.8
40°	4177.2	4205.9	4320.8	4472.4	4620.6	4726.3	4725.2	4693.0	4568.9	4387.4	4334.6
42.5°	4483.9	4506.9	4622.9	4779.2	4927.4	5027.3	4997.5	4919.3	4740.1	4493.1	4423.0
45°	4705.7	4722.9	4844.7	5020.4	5170.9	5233.0	5179.0	5084.8	4842.4	4559.8	4456.4
47.5°	4810.2	4833.2	4956.1	5130.7	5300.8	5336.4	5272.0	5183.6	4902.1	4621.8	4482.8
50°	4753.9	4783.8	4922.8	5084.8	5276.6	5350.2	5304.2	5215.7	4965.3	4682.7	4529.9
52.5°	4608.0	4636.7	4812.5	5008.9	5226.1	5372.0	5370.8	5298.5	5037.7	4699.9	4532.2
55°	4109.4	4165.7	4439.1	4778.0	5164.0	5436.3	5463.9	5386.9	5049.2	4704.5	4556.3
57.5°	2674.5	2773.3	3032.9	3474.1	4248.4	4944.6	5130.7	5149.1	4966.4	4685.0	4560.9
60°	1116.7	1195.9	1401.6	1694.5	2334.4	3162.8	3523.5	3885.4	4321.9	4480.5	4518.4
62.5°	693.9	700.8	721.5	788.1	1001.8	1406.2	1638.2	1977.2	2626.3	3178.8	3433.9
65°	626.1	629.6	634.2	629.6	639.9	689.3	751.3	869.7	1133.9	1408.5	1734.8
67.5°	551.4	556.0	559.5	556.0	559.5	561.8	568.7	579.0	627.3	666.3	696.2
70°	445.8	452.6	458.4	456.1	469.9	469.9	476.8	484.8	508.9	537.7	558.3
72.5°	340.1	334.3	341.2	343.5	356.1	363.0	373.4	382.6	410.1	427.4	453.8
75°	220.6	214.8	225.2	230.9	248.1	257.3	266.5	275.7	295.3	306.7	332.0
77.5°	119.5	118.3	128.7	136.7	155.1	166.6	173.5	180.4	196.5	199.9	216.0
80°	68.9	68.9	75.8	81.6	93.1	105.7	112.6	118.3	129.8	133.3	140.2
82.5°	37.9	37.9	41.4	44.8	54.0	60.9	66.6	71.2	81.6	85.0	88.5
85°	18.4	17.2	19.5	21.8	25.3	28.7	32.2	34.5	42.5	44.8	49.4
87.5°	2.3	2.3	2.3	3.4	4.6	6.9	8.0	8.0	12.6	14.9	17.2
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°	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2	2340.2
2.5°	2363.2	2348.2	2357.4	2360.9	2360.9	2357.4	2342.5	2337.9	2331.0	2320.7	2320.7
5°	2416.0	2404.5	2406.8	2401.1	2387.3	2370.1	2342.5	2328.7	2317.2	2304.6	2303.4
7.5°	2506.8	2491.8	2489.5	2467.7	2430.9	2394.2	2352.8	2327.6	2310.3	2294.2	2293.1
10°	2625.1	2611.3	2594.1	2550.4	2496.4	2442.4	2386.1	2351.7	2326.4	2303.4	2302.3
12.5°	2757.2	2741.1	2709.0	2644.6	2576.9	2524.0	2459.7	2406.8	2368.9	2337.9	2332.1
15°	2900.8	2877.8	2822.7	2746.9	2680.2	2624.0	2555.0	2479.2	2421.8	2372.4	2366.6
17.5°	3011.1	2981.2	2921.5	2850.3	2795.1	2738.8	2649.2	2553.9	2471.2	2409.1	2399.9
20°	3086.9	3062.8	2995.0	2942.2	2910.0	2860.6	2756.1	2648.1	2555.0	2476.9	2472.3
22.5°	3157.0	3128.3	3061.7	3030.6	3030.6	2997.3	2897.4	2769.9	2660.7	2570.0	2558.5
25°	3236.3	3205.3	3154.7	3151.3	3167.4	3152.4	3031.8	2895.1	2767.6	2665.3	2646.9
27.5°	3346.6	3312.1	3282.2	3302.9	3325.9	3309.8	3175.4	3016.9	2882.4	2779.0	2763.0
30°	3522.3	3479.8	3452.3	3477.5	3522.3	3475.2	3329.3	3161.6	3026.0	2912.3	2904.3
32.5°	3726.8	3678.6	3649.9	3690.1	3730.3	3656.8	3512.0	3351.2	3208.7	3089.2	3075.4
35°	3972.7	3911.8	3869.3	3923.3	3964.7	3892.3	3748.7	3595.9	3437.3	3313.3	3294.9
37.5°	4191.0	4117.4	4088.7	4164.6	4219.7	4172.6	4016.3	3872.7	3699.3	3563.7	3555.7
40°	4349.5	4277.1	4256.5	4381.7	4478.2	4466.7	4326.5	4162.3	3999.1	3842.9	3827.9
42.5°	4418.4	4367.9	4372.5	4541.4	4690.7	4764.2	4639.0	4463.2	4305.9	4143.9	4133.5
45°	4433.4	4402.4	4439.1	4650.5	4847.0	4997.5	4890.6	4743.6	4565.5	4409.3	4404.7
47.5°	4449.5	4432.2	4488.5	4712.5	4945.8	5120.4	5060.6	4909.0	4728.6	4575.8	4564.3
50°	4487.4	4480.5	4543.7	4756.2	4992.9	5153.7	5085.9	4935.4	4750.5	4600.0	4572.4
52.5°	4498.9	4487.4	4578.1	4824.0	5071.0	5152.6	5006.7	4810.2	4624.1	4456.4	4427.6
55°	4534.5	4513.8	4575.8	4849.3	5179.0	5219.2	5002.1	4708.0	4448.3	4219.7	4151.9
57.5°	4543.7	4520.7	4560.9	4807.9	5061.8	5026.2	4396.6	3799.2	3309.8	3055.9	3084.6
60°	4494.3	4501.2	4432.2	4404.7	4060.0	3584.4	2691.7	2151.8	1689.9	1494.6	1537.1
62.5°	3421.2	3450.0	3214.5	2795.1	2149.5	1703.7	1127.0	875.4	741.0	706.5	712.3
65°	1726.7	1765.8	1521.1	1258.0	935.2	755.9	653.7	633.0	626.1	618.1	618.1
67.5°	683.6	695.0	685.9	642.2	597.4	581.3	576.7	574.4	566.4	561.8	562.9
70°	549.1	558.3	544.6	517.0	498.6	497.4	495.2	490.6	484.8	484.8	488.3
72.5°	448.0	457.2	437.7	420.5	406.7	396.4	390.6	387.2	379.1	379.1	382.6
75°	329.7	335.5	319.4	317.1	302.1	291.8	282.6	278.0	267.7	263.1	266.5
77.5°	219.4	218.3	210.2	210.2	204.5	191.9	181.5	171.2	157.4	148.2	150.5
80°	142.5	142.5	139.0	139.0	133.3	122.9	110.3	99.9	91.9	85.0	85.0
82.5°	90.8	89.6	88.5	87.3	85.0	74.7	65.5	58.6	52.8	48.3	49.4
85°	50.5	50.5	48.3	48.3	43.7	37.9	33.3	28.7	25.3	24.1	24.1
87.5°	17.2	17.2	16.1	16.1	13.8	10.3	8.0	6.9	5.7	4.6	5.7
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)