

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: P635277

Luminaire Tested: GWS-SA3D-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635277
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15513.4 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - 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

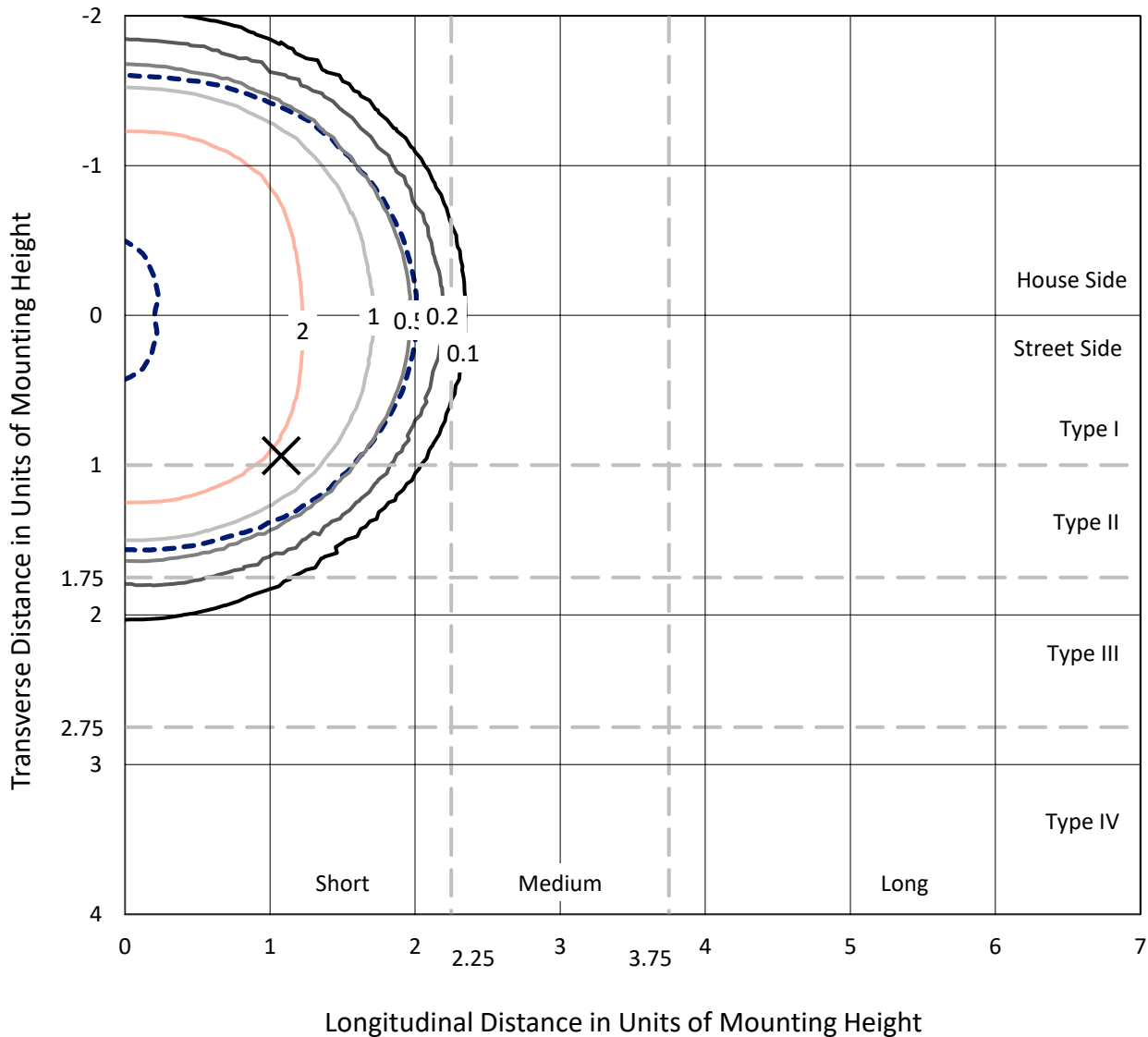


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Iso-Footcandle Lines of Horizontal Illumination

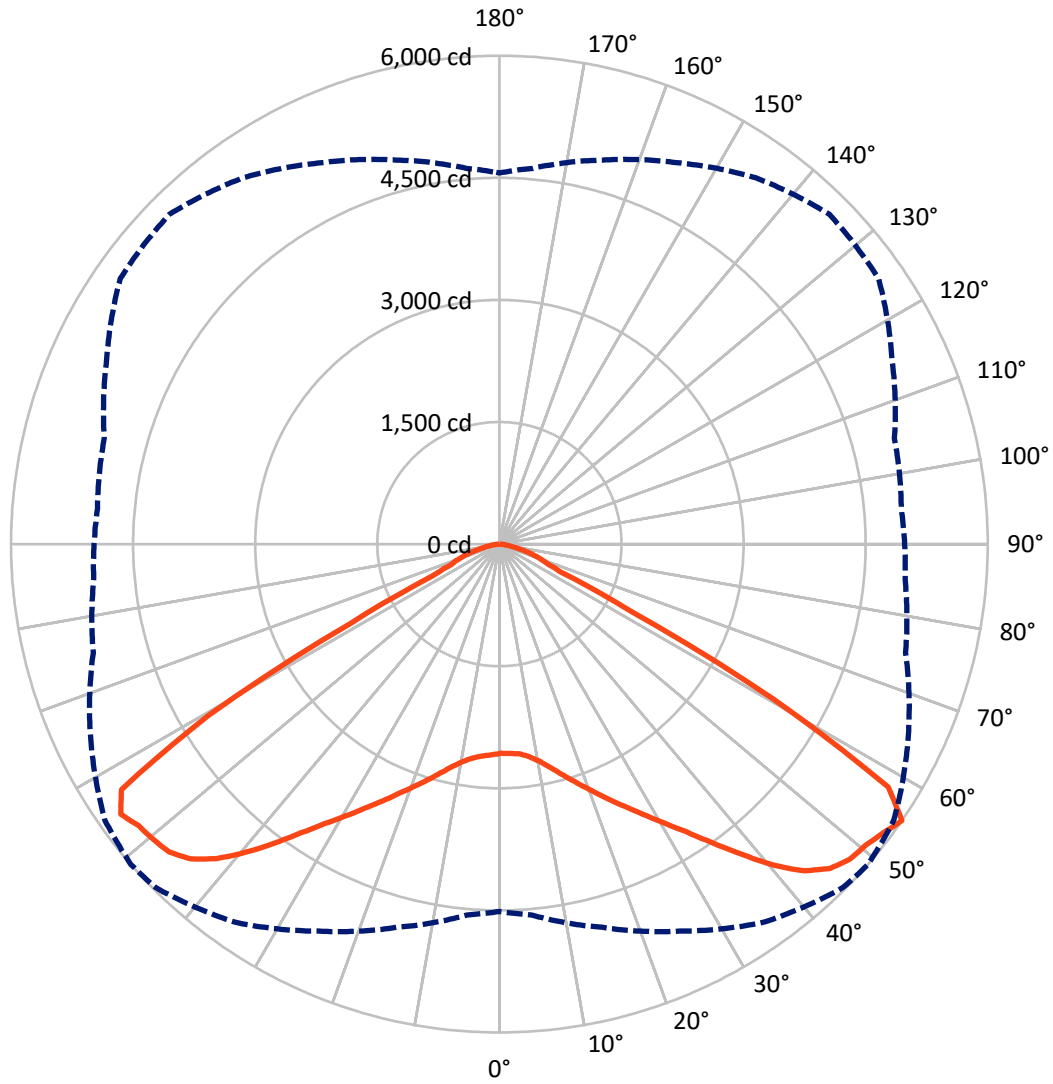
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	7680.6	0.0	7680.6
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	7832.8	0.0	7832.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	15513.4	0.0	15513.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	1.6
10°-20°	826.9	5.3
20°-30°	1575.0	10.2
30°-40°	2670.0	17.2
40°-50°	4018.1	25.9
50°-60°	4398.2	28.4
60°-70°	1390.7	9.0
70°-80°	333.8	2.2
80°-90°	50.1	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°	15513.4	100.0
0°-180°	15513.4	100.0

Coefficient of Utilization



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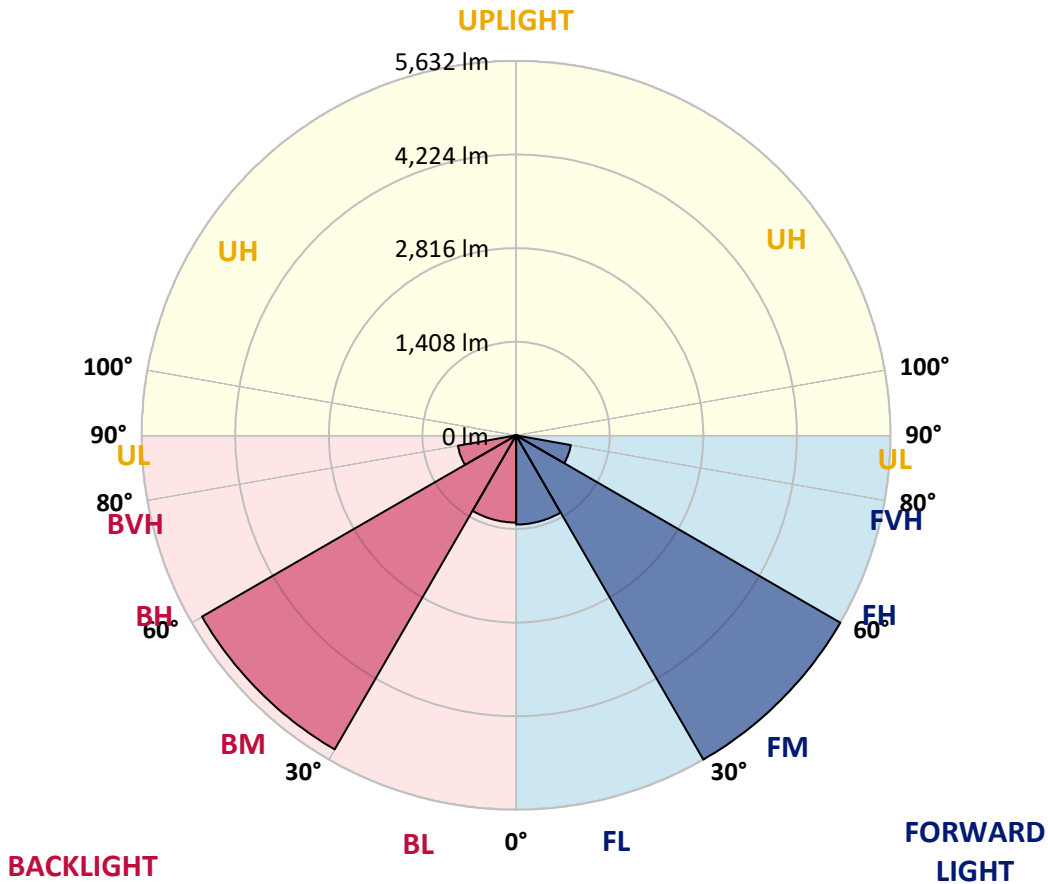
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.3	8.6			
FM (30°-60°)	5631.8	36.3			
FH (60°-80°)	836.5	5.4			G1/1800
FVH (80°-90°)	23.2	0.1			G1/100
BL (0°-30°)	1311.3	8.5	B3/2500		
BM (30°-60°)	5454.4	35.2	B4/8500		
BH (60°-80°)	888.0	5.7	B2/1000		G1/1800
BVH (80°-90°)	26.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9
2.5°	2532.0	2534.6	2539.6	2548.4	2557.3	2569.9	2574.9	2581.2	2580.0	2587.6	2587.6
5°	2519.4	2523.2	2530.8	2543.4	2558.5	2582.5	2588.8	2604.0	2619.1	2638.0	2644.3
7.5°	2534.6	2539.6	2548.4	2568.6	2591.3	2622.9	2635.5	2660.7	2689.7	2723.8	2737.7
10°	2563.6	2569.9	2585.0	2617.8	2654.4	2702.4	2713.7	2745.3	2791.9	2838.6	2866.4
12.5°	2596.4	2606.5	2634.2	2686.0	2740.2	2803.3	2820.9	2860.1	2910.5	2971.1	3008.9
15°	2634.2	2643.1	2686.0	2759.1	2843.7	2926.9	2947.1	2985.0	3041.7	3101.0	3154.0
17.5°	2713.7	2728.9	2779.3	2863.8	2962.2	3060.7	3083.4	3126.3	3171.7	3218.4	3268.8
20°	2822.2	2834.8	2899.2	3003.9	3119.9	3209.5	3232.2	3270.1	3291.5	3315.5	3358.4
22.5°	2930.7	2948.4	3021.5	3145.2	3281.4	3378.6	3396.2	3431.6	3416.4	3408.9	3436.6
25°	3065.7	3089.7	3161.6	3296.6	3435.3	3555.2	3569.1	3599.4	3574.1	3535.0	3533.8
27.5°	3233.5	3254.9	3329.4	3468.2	3605.7	3730.6	3757.1	3797.4	3741.9	3694.0	3659.9
30°	3432.8	3446.7	3528.7	3676.3	3817.6	3936.2	3970.3	4010.6	3969.0	3889.5	3855.5
32.5°	3665.0	3683.9	3778.5	3933.7	4059.8	4178.4	4212.5	4263.0	4217.5	4128.0	4085.1
35°	3943.8	3962.7	4062.4	4231.4	4360.1	4482.5	4506.5	4548.1	4491.3	4387.9	4353.8
37.5°	4246.6	4270.5	4396.7	4556.9	4691.9	4834.5	4835.7	4848.3	4767.6	4638.9	4601.1
40°	4587.2	4618.7	4744.9	4911.4	5074.2	5190.2	5189.0	5153.7	5017.4	4818.1	4760.0
42.5°	4924.0	4949.3	5076.7	5248.3	5411.0	5520.8	5488.0	5402.2	5205.4	4934.1	4857.2
45°	5167.5	5186.5	5320.2	5513.2	5678.5	5746.6	5687.3	5583.9	5317.7	5007.3	4893.8
47.5°	5282.3	5307.6	5442.6	5634.3	5821.0	5860.2	5789.5	5692.4	5383.3	5075.4	4922.8
50°	5220.5	5253.3	5406.0	5583.9	5794.6	5875.3	5824.8	5727.7	5452.7	5142.3	4974.5
52.5°	5060.3	5091.8	5284.9	5500.6	5739.0	5899.3	5898.0	5818.5	5532.1	5161.2	4977.0
55°	4512.8	4574.6	4874.8	5247.0	5670.9	5969.9	6000.2	5915.7	5544.8	5166.3	5003.5
57.5°	2937.0	3045.5	3330.6	3815.1	4665.4	5429.9	5634.3	5654.5	5453.9	5144.8	5008.6
60°	1226.3	1313.3	1539.2	1860.9	2563.6	3473.2	3869.3	4266.7	4746.2	4920.3	4961.9
62.5°	762.0	769.6	792.3	865.5	1100.1	1544.2	1799.0	2171.2	2884.0	3490.9	3770.9
65°	687.6	691.4	696.4	691.4	702.7	757.0	825.1	955.0	1245.2	1546.7	1905.0
67.5°	605.6	610.6	614.4	610.6	614.4	616.9	624.5	635.8	688.8	731.7	764.5
70°	489.5	497.1	503.4	500.9	516.0	516.0	523.6	532.4	558.9	590.4	613.1
72.5°	373.4	367.1	374.7	377.2	391.1	398.7	410.0	420.1	450.4	469.3	498.3
75°	242.2	235.9	247.3	253.6	272.5	282.6	292.7	302.8	324.2	336.8	364.6
77.5°	131.2	129.9	141.3	150.1	170.3	182.9	190.5	198.1	215.7	219.5	237.2
80°	75.7	75.7	83.3	89.6	102.2	116.1	123.6	129.9	142.6	146.3	153.9
82.5°	41.6	41.6	45.4	49.2	59.3	66.9	73.2	78.2	89.6	93.4	97.1
85°	20.2	18.9	21.4	24.0	27.8	31.5	35.3	37.8	46.7	49.2	54.2
87.5°	2.5	2.5	2.5	3.8	5.0	7.6	8.8	8.8	13.9	16.4	18.9
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°	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9	2569.9
2.5°	2595.1	2578.7	2588.8	2592.6	2592.6	2588.8	2572.4	2567.4	2559.8	2548.4	2548.4
5°	2653.2	2640.5	2643.1	2636.8	2621.6	2602.7	2572.4	2557.3	2544.7	2530.8	2529.5
7.5°	2752.8	2736.4	2733.9	2709.9	2669.6	2629.2	2583.8	2556.0	2537.1	2519.4	2518.2
10°	2882.8	2867.6	2848.7	2800.8	2741.5	2682.2	2620.4	2582.5	2554.7	2529.5	2528.3
12.5°	3027.9	3010.2	2974.9	2904.2	2829.8	2771.7	2701.1	2643.1	2601.4	2567.4	2561.1
15°	3185.6	3160.3	3099.8	3016.5	2943.3	2881.5	2805.8	2722.5	2659.5	2605.2	2598.9
17.5°	3306.7	3273.9	3208.3	3130.0	3069.5	3007.7	2909.3	2804.5	2713.7	2645.6	2635.5
20°	3389.9	3363.4	3289.0	3231.0	3195.6	3141.4	3026.6	2908.0	2805.8	2720.0	2715.0
22.5°	3466.9	3435.3	3362.2	3328.1	3328.1	3291.5	3181.8	3041.7	2921.9	2822.2	2809.6
25°	3553.9	3519.9	3464.4	3460.6	3478.2	3461.8	3329.4	3179.2	3039.2	2926.9	2906.7
27.5°	3675.1	3637.2	3604.4	3627.1	3652.3	3634.7	3487.1	3313.0	3165.4	3051.8	3034.2
30°	3868.1	3821.4	3791.1	3818.9	3868.1	3816.4	3656.1	3471.9	3323.1	3198.2	3189.3
32.5°	4092.6	4039.7	4008.1	4052.3	4096.4	4015.7	3856.7	3680.1	3523.7	3392.5	3377.3
35°	4362.6	4295.8	4249.1	4308.4	4353.8	4274.3	4116.6	3948.8	3774.7	3638.5	3618.3
37.5°	4602.3	4521.6	4490.1	4573.3	4633.9	4582.1	4410.6	4252.9	4062.4	3913.5	3904.7
40°	4776.4	4697.0	4674.2	4811.8	4917.7	4905.1	4751.2	4570.8	4391.6	4220.1	4203.7
42.5°	4852.1	4796.6	4801.7	4987.1	5151.1	5231.9	5094.4	4901.3	4728.5	4550.6	4539.3
45°	4868.5	4834.5	4874.8	5107.0	5322.7	5488.0	5370.7	5209.2	5013.6	4842.0	4837.0
47.5°	4886.2	4867.3	4929.1	5175.1	5431.2	5623.0	5557.4	5390.8	5192.8	5025.0	5012.4
50°	4927.8	4920.3	4989.6	5223.0	5482.9	5659.6	5585.1	5419.9	5216.7	5051.5	5021.2
52.5°	4940.4	4927.8	5027.5	5297.5	5568.7	5658.3	5498.1	5282.3	5078.0	4893.8	4862.2
55°	4979.6	4956.8	5025.0	5325.2	5687.3	5731.5	5493.0	5170.1	4884.9	4633.9	4559.4
57.5°	4989.6	4964.4	5008.6	5279.8	5558.6	5519.5	4828.2	4172.1	3634.7	3355.9	3387.4
60°	4935.4	4943.0	4867.3	4837.0	4458.5	3936.2	2955.9	2363.0	1855.8	1641.3	1688.0
62.5°	3757.1	3788.6	3530.0	3069.5	2360.5	1871.0	1237.6	961.3	813.7	775.9	782.2
65°	1896.2	1939.1	1670.4	1381.5	1026.9	830.1	717.9	695.1	687.6	678.7	678.7
67.5°	750.7	763.3	753.2	705.2	656.0	638.4	633.3	630.8	622.0	616.9	618.2
70°	603.0	613.1	598.0	567.7	547.5	546.3	543.8	538.7	532.4	532.4	536.2
72.5°	492.0	502.1	480.7	461.7	446.6	435.3	428.9	425.2	416.3	416.3	420.1
75°	362.1	368.4	350.7	348.2	331.8	320.4	310.4	305.3	294.0	288.9	292.7
77.5°	241.0	239.7	230.9	230.9	224.6	210.7	199.3	188.0	172.8	162.7	165.3
80°	156.4	156.4	152.7	152.7	146.3	135.0	121.1	109.8	100.9	93.4	93.4
82.5°	99.7	98.4	97.1	95.9	93.4	82.0	71.9	64.3	58.0	53.0	54.2
85°	55.5	55.5	53.0	53.0	47.9	41.6	36.6	31.5	27.8	26.5	26.5
87.5°	18.9	18.9	17.7	17.7	15.1	11.4	8.8	7.6	6.3	5.0	6.3
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)