

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: P635582

Luminaire Tested: GWS-SA3E-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13825.8 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

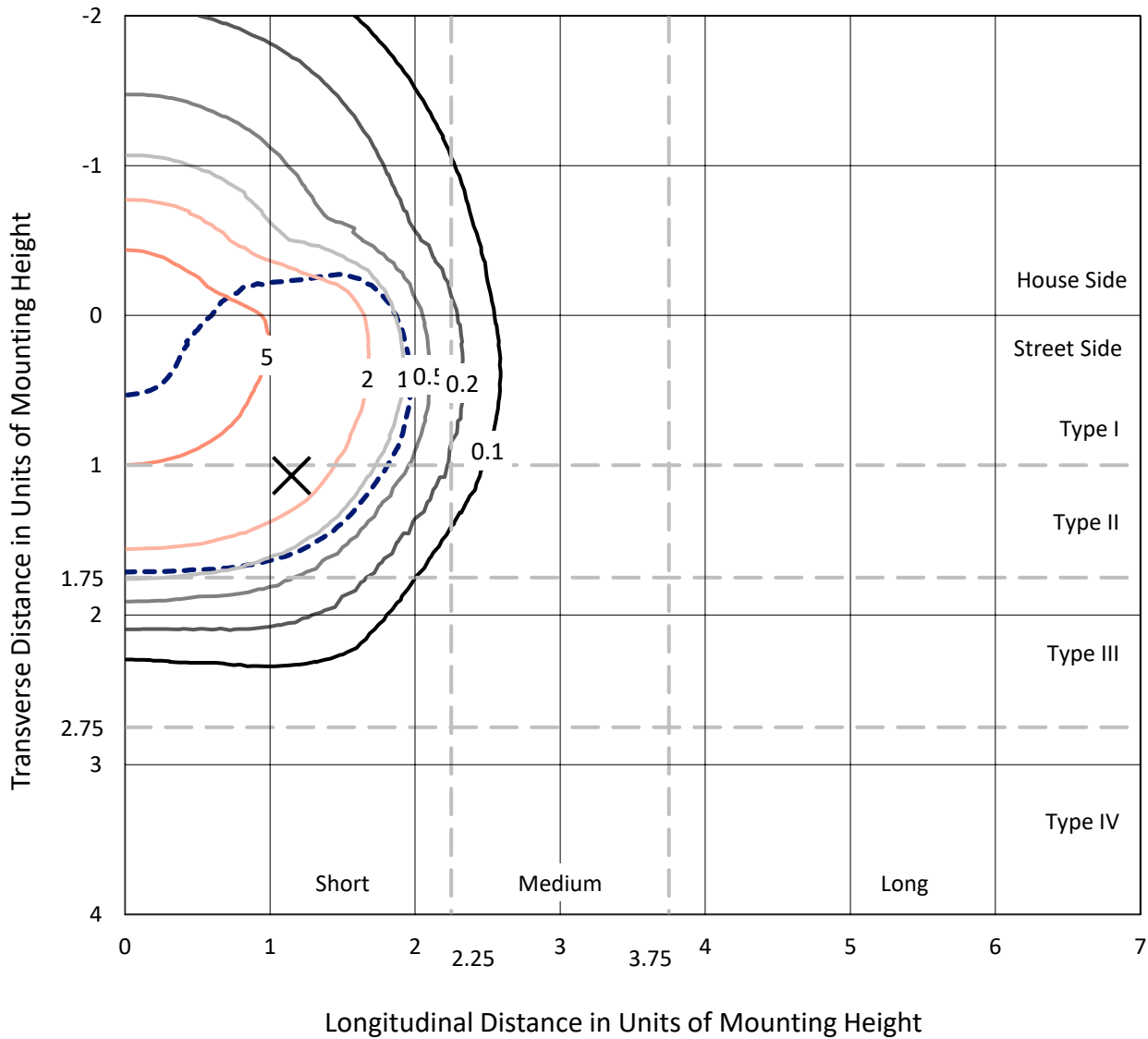
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

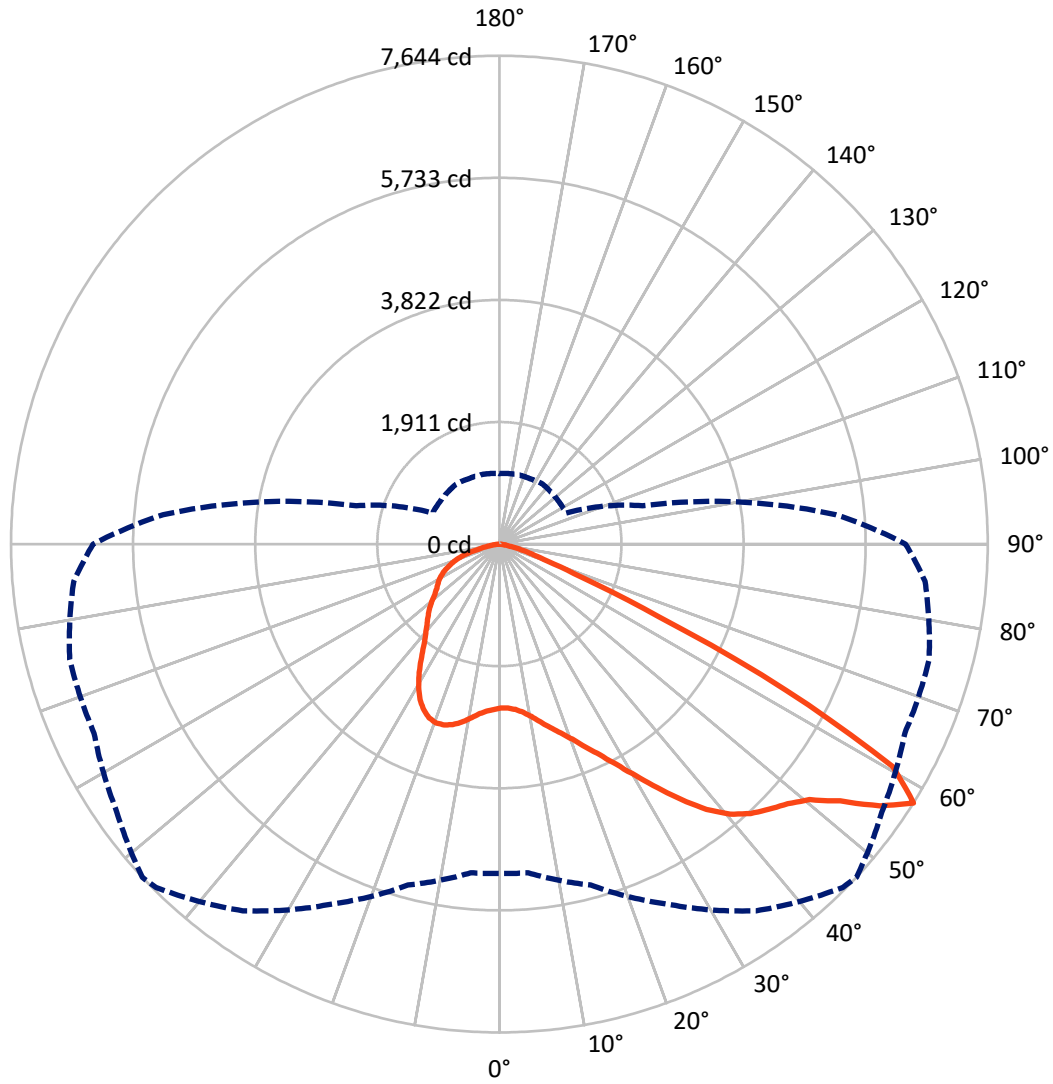
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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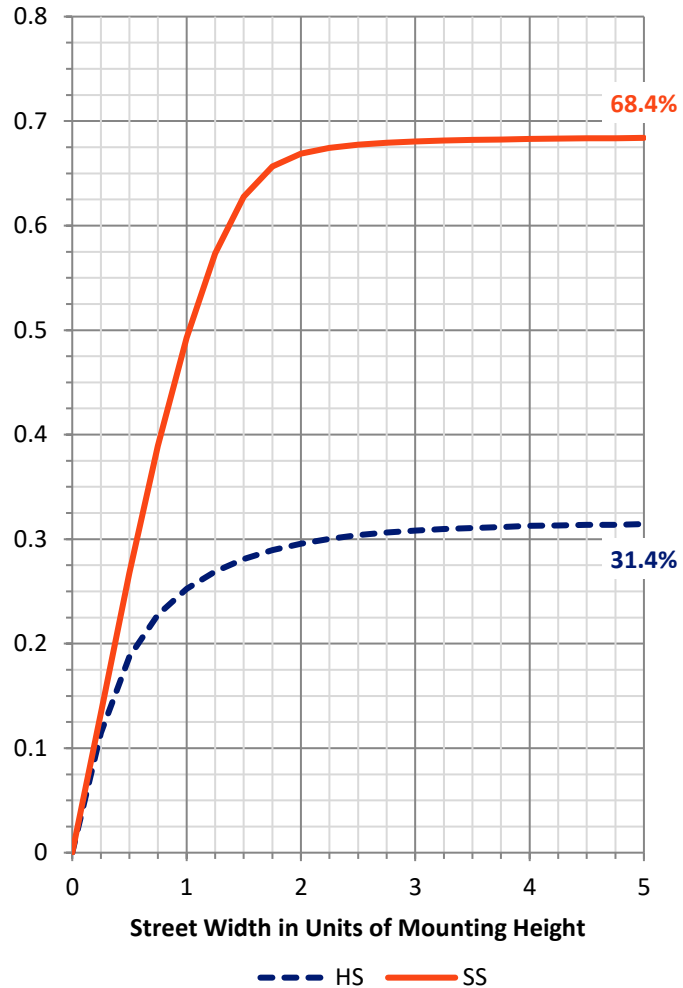
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4375.8	0.0	4375.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	9450.0	0.0	9450.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	13825.8	0.0	13825.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	1.8
10°-20°	831.8	6.0
20°-30°	1497.7	10.8
30°-40°	2262.1	16.4
40°-50°	3046.2	22.0
50°-60°	3660.4	26.5
60°-70°	1782.7	12.9
70°-80°	439.2	3.2
80°-90°	52.8	0.4
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°	13825.8	100.0
0°-180°	13825.8	100.0

Coefficient of Utilization



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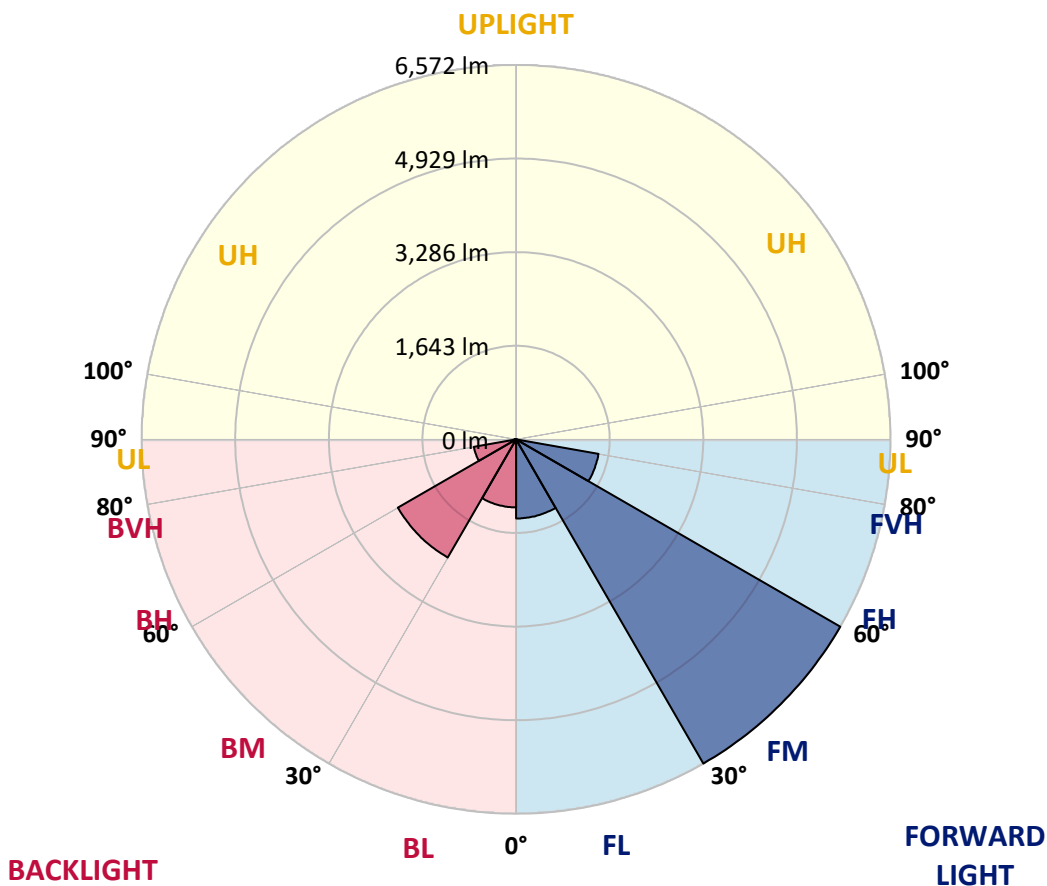
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1388.7	10.0			
FM (30°-60°)	6572.1	47.5			
FH (60°-80°)	1469.3	10.6			G1/1800
FVH (80°-90°)	19.8	0.1			G1/100
BL (0°-30°)	1193.6	8.6	B3/2500		
BM (30°-60°)	2396.6	17.3	B2/2500		
BH (60°-80°)	752.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	32.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0
2.5°	2559.4	2558.2	2558.2	2565.2	2565.2	2567.5	2571.0	2574.5	2575.6	2569.8	2557.0
5°	2587.2	2587.2	2587.2	2593.0	2593.0	2595.4	2600.0	2601.2	2600.0	2590.7	2577.9
7.5°	2631.4	2631.4	2632.5	2639.5	2645.3	2648.8	2656.9	2655.8	2652.3	2637.2	2620.9
10°	2703.4	2706.8	2710.3	2718.5	2730.1	2738.2	2744.0	2744.0	2739.4	2716.1	2695.2
12.5°	2805.6	2810.2	2813.7	2820.6	2829.9	2843.9	2856.6	2856.6	2850.8	2821.8	2790.5
15°	2925.2	2929.8	2928.6	2931.0	2948.4	2968.1	2978.6	2985.5	2987.9	2947.2	2898.5
17.5°	3062.2	3066.8	3062.2	3055.2	3057.5	3088.9	3107.5	3133.0	3148.1	3093.5	3015.7
20°	3186.4	3181.8	3181.8	3186.4	3193.4	3231.7	3259.6	3301.4	3320.0	3253.8	3133.0
22.5°	3317.7	3328.1	3323.5	3323.5	3351.3	3415.2	3448.9	3503.5	3523.2	3437.3	3274.7
25°	3487.2	3496.5	3494.2	3496.5	3529.0	3619.6	3653.3	3754.3	3774.0	3650.9	3431.5
27.5°	3673.0	3688.1	3695.1	3692.7	3745.0	3863.4	3905.2	4045.8	4081.8	3890.1	3598.7
30°	3914.5	3930.8	3936.6	3934.3	3995.8	4157.2	4204.8	4365.1	4416.2	4173.5	3811.2
32.5°	4194.4	4210.7	4228.1	4235.0	4314.0	4478.9	4547.4	4713.5	4786.6	4501.0	4067.8
35°	4471.9	4485.9	4519.5	4574.1	4682.1	4850.5	4910.9	5074.6	5145.4	4841.2	4377.9
37.5°	4778.5	4787.8	4816.8	4892.3	5047.9	5208.2	5268.5	5425.3	5433.4	5169.8	4728.6
40°	5114.1	5114.1	5108.3	5182.6	5345.2	5506.6	5558.8	5649.4	5601.8	5423.0	5070.0
42.5°	5398.6	5394.0	5398.6	5468.3	5589.0	5720.3	5765.5	5748.1	5687.7	5616.9	5378.9
45°	5655.2	5658.7	5700.5	5753.9	5816.6	5894.4	5921.2	5822.4	5767.9	5772.5	5626.2
47.5°	5829.4	5832.9	5930.4	6019.9	6058.2	6082.6	6071.0	5933.9	5906.1	5958.3	5816.6
50°	5852.6	5871.2	6039.6	6223.1	6318.3	6321.8	6289.3	6122.0	6113.9	6173.1	5918.8
52.5°	5857.3	5875.9	6086.1	6417.0	6664.3	6716.6	6679.4	6505.3	6420.5	6361.3	6044.2
55°	5839.9	5860.8	6093.0	6547.1	7020.8	7229.9	7233.4	6987.2	6716.6	6677.1	6401.9
57.5°	5155.9	5164.0	5524.0	6216.1	7006.9	7599.1	7644.4	7310.0	7001.1	6963.9	6688.7
60°	3591.7	3624.2	4015.6	4929.5	5886.3	6930.3	7076.6	6979.0	6772.3	6501.8	5738.8
62.5°	1798.8	1826.6	2219.1	3083.1	4059.7	4884.2	5040.9	5144.3	5193.1	4902.7	3907.6
65°	774.5	795.4	1039.3	1610.6	2298.1	2696.4	2751.0	2875.2	3179.5	2836.9	2105.3
67.5°	517.9	531.8	656.1	982.4	1354.0	1379.6	1371.4	1398.1	1464.3	1208.8	951.1
70°	397.1	408.8	492.4	720.0	973.1	832.6	788.5	715.3	776.9	792.0	771.1
72.5°	288.0	297.3	360.0	491.2	609.7	531.8	524.9	562.0	645.6	668.9	656.1
75°	185.8	190.4	228.8	269.4	314.7	341.4	355.3	422.7	507.5	524.9	509.8
77.5°	124.3	127.7	149.8	173.0	178.8	180.0	184.6	214.8	272.9	305.4	301.9
80°	65.0	65.0	73.2	73.2	83.6	99.9	104.5	124.3	151.0	167.2	168.4
82.5°	25.5	26.7	31.4	34.8	41.8	51.1	54.6	65.0	79.0	90.6	101.0
85°	10.5	11.6	12.8	15.1	18.6	23.2	24.4	27.9	37.2	46.4	52.3
87.5°	0.0	0.0	1.2	1.2	2.3	3.5	3.5	4.6	5.8	10.5	13.9
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°	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0	2564.0
2.5°	2572.1	2557.0	2572.1	2576.8	2589.6	2594.2	2586.1	2584.9	2584.9	2573.3	2569.8
5°	2589.6	2575.6	2590.7	2597.7	2616.3	2627.9	2630.2	2639.5	2645.3	2640.7	2639.5
7.5°	2632.5	2615.1	2631.4	2641.8	2666.2	2684.8	2692.9	2713.8	2728.9	2726.6	2725.4
10°	2708.0	2684.8	2703.4	2720.8	2747.5	2769.6	2770.7	2782.3	2797.4	2792.8	2790.5
12.5°	2795.1	2773.0	2793.9	2811.4	2842.7	2852.0	2836.9	2832.3	2834.6	2828.8	2824.1
15°	2901.9	2870.6	2889.2	2908.9	2926.3	2915.9	2883.4	2870.6	2869.4	2861.3	2856.6
17.5°	3008.8	2969.3	2983.2	2993.7	2985.5	2953.0	2912.4	2890.3	2879.9	2863.6	2859.0
20°	3114.4	3064.5	3062.2	3054.1	3016.9	2957.7	2903.1	2859.0	2832.3	2810.2	2802.1
22.5°	3235.2	3165.5	3130.7	3093.5	3012.3	2915.9	2833.4	2770.7	2727.7	2699.9	2690.6
25°	3365.3	3266.6	3194.6	3120.2	2965.8	2826.5	2711.5	2625.6	2574.5	2544.3	2533.8
27.5°	3494.2	3358.3	3250.3	3123.7	2872.9	2697.6	2543.1	2427.0	2375.9	2351.5	2343.4
30°	3668.4	3480.2	3316.5	3078.4	2751.0	2518.7	2326.0	2208.7	2175.0	2157.6	2150.6
32.5°	3869.2	3634.7	3404.8	2983.2	2595.4	2309.7	2106.5	2025.2	2002.0	1968.3	1967.1
35°	4134.0	3855.3	3488.4	2842.7	2399.1	2085.6	1938.1	1880.0	1838.2	1784.8	1780.2
37.5°	4442.9	4130.5	3533.6	2663.9	2170.4	1900.9	1812.7	1747.7	1680.3	1609.5	1600.2
40°	4762.2	4452.2	3537.1	2452.5	1946.2	1779.0	1704.7	1619.9	1536.3	1457.4	1446.9
42.5°	5097.8	4751.8	3475.6	2208.7	1762.8	1673.3	1597.9	1491.0	1397.0	1343.6	1337.7
45°	5397.4	4993.3	3336.2	1952.0	1626.9	1585.1	1488.7	1373.7	1323.8	1285.5	1277.4
47.5°	5633.2	5153.6	3148.1	1722.1	1516.6	1494.5	1369.1	1309.9	1271.6	1236.7	1228.6
50°	5749.3	5189.6	2903.1	1535.2	1414.4	1387.7	1301.7	1256.5	1230.9	1203.0	1196.1
52.5°	5893.3	5230.2	2691.8	1378.4	1314.5	1278.5	1246.0	1210.0	1191.4	1174.0	1168.2
55°	6224.2	5383.5	2580.3	1253.0	1219.3	1203.0	1198.4	1168.2	1162.4	1150.8	1140.3
57.5°	6358.9	5284.8	2316.7	1150.8	1143.8	1146.1	1157.8	1129.9	1124.1	1110.1	1103.2
60°	5114.1	3994.7	1568.8	1062.5	1081.1	1096.2	1107.8	1080.0	1071.8	1069.5	1060.2
62.5°	3277.0	2457.2	1095.0	980.1	1008.0	1026.5	1033.5	1006.8	1001.0	1019.6	1020.7
65°	1705.9	1338.9	888.3	891.8	915.1	942.9	956.9	947.6	945.2	965.0	966.2
67.5°	870.9	818.7	774.5	787.3	805.9	841.9	874.4	915.1	929.0	931.3	932.5
70°	742.0	718.8	696.7	704.9	724.6	744.4	775.7	795.4	772.2	766.4	764.1
72.5°	631.7	614.3	603.8	613.1	623.6	620.1	610.8	620.1	623.6	624.7	625.9
75°	491.2	478.4	470.3	471.5	471.5	458.7	441.3	430.8	419.2	409.9	409.9
77.5°	300.8	303.1	311.2	310.1	308.9	304.2	286.8	277.5	249.7	241.5	241.5
80°	171.9	175.3	183.5	185.8	185.8	180.0	162.6	152.1	139.3	133.5	132.4
82.5°	104.5	109.2	113.8	116.1	117.3	110.3	95.2	87.1	80.1	74.3	74.3
85°	54.6	56.9	61.5	62.7	59.2	52.3	44.1	40.6	33.7	32.5	32.5
87.5°	15.1	16.3	18.6	15.1	13.9	10.5	5.8	4.6	2.3	1.2	1.2
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)