

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: P635009

Luminaire Tested: GWS-SA3C-830-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9280 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

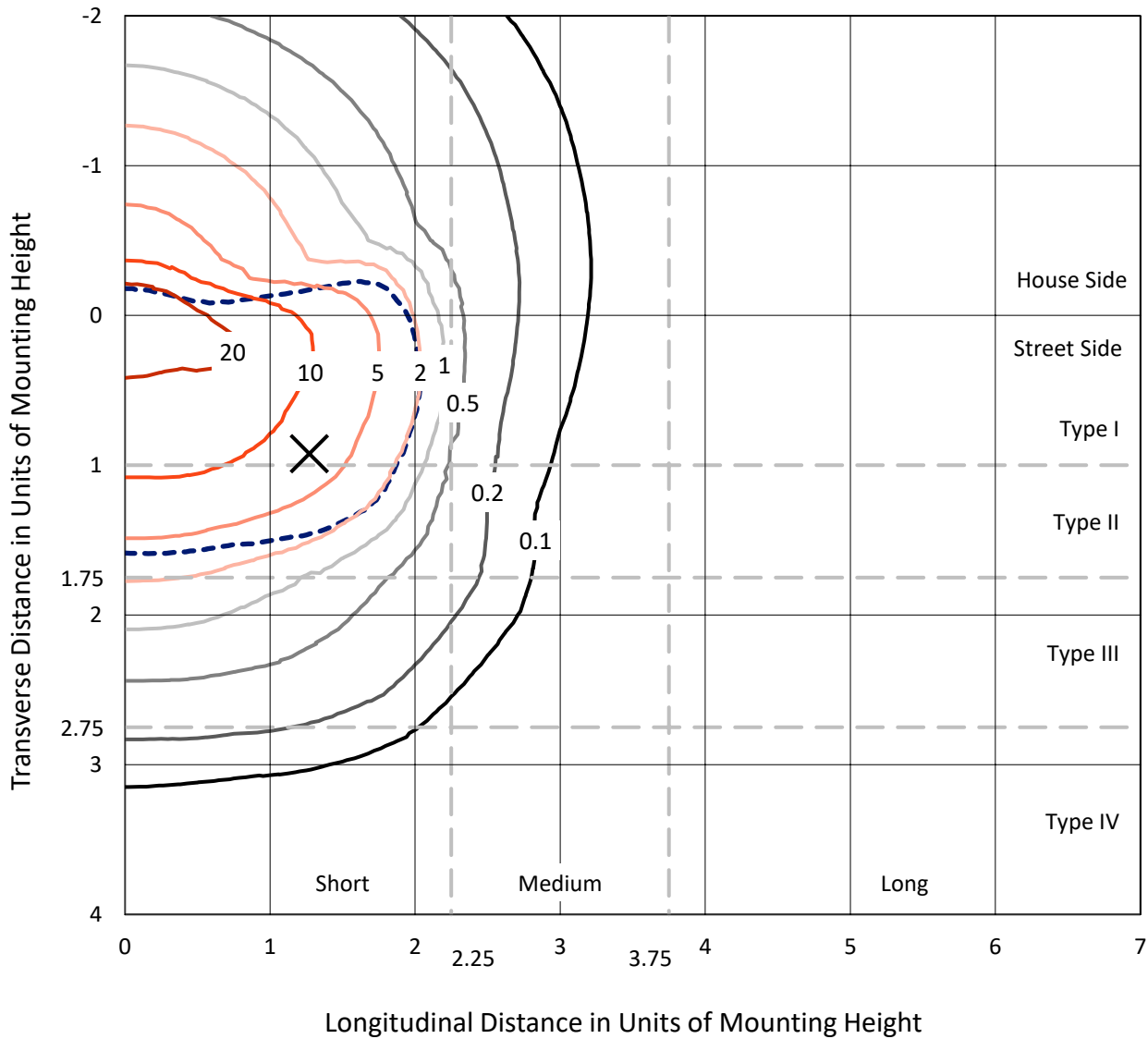
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635009
 CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

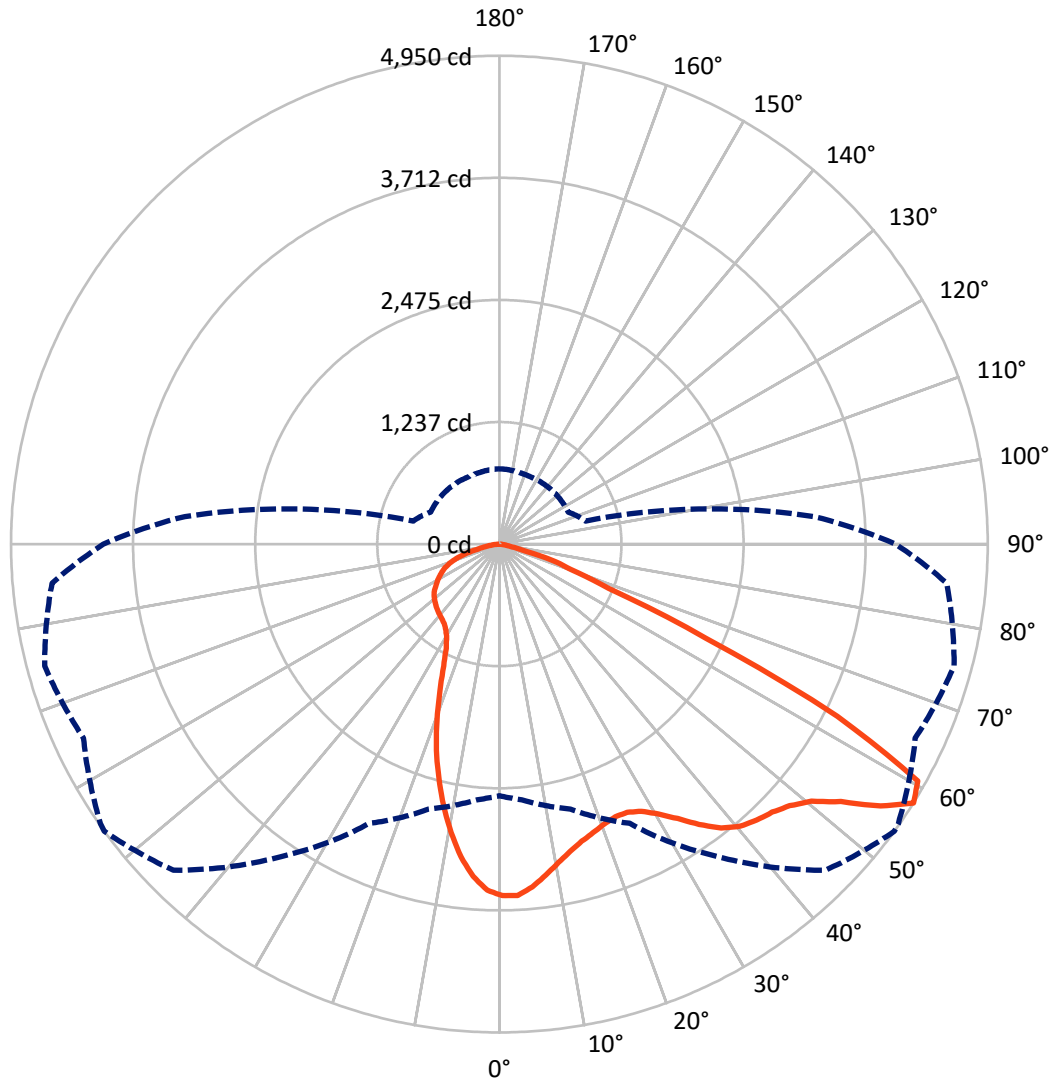
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 35.6 fc
 Type II - Short - N/A

REPORT NUMBER: P635009
CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635009

CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSWH

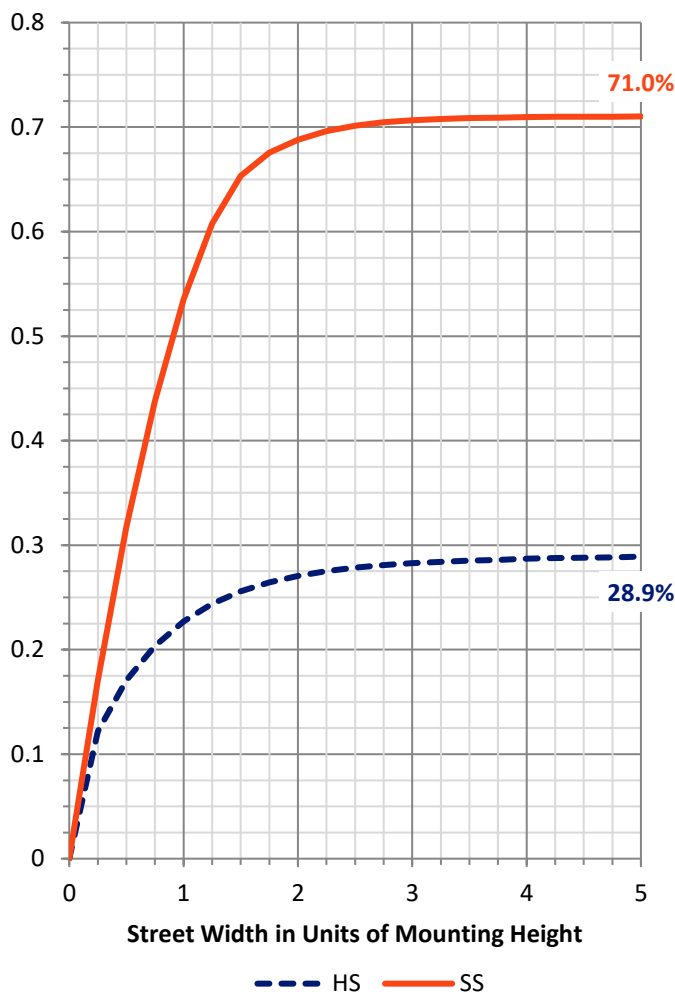
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2697.8	0.0	2697.8
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	6582.2	0.0	6582.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	9280.0	0.0	9280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.2	3.4
10°-20°	747.3	8.1
20°-30°	1034.1	11.1
30°-40°	1436.9	15.5
40°-50°	1897.7	20.4
50°-60°	2255.1	24.3
60°-70°	1249.4	13.5
70°-80°	311.1	3.4
80°-90°	35.4	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°	9280.0	100.0
0°-180°	9280.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635009

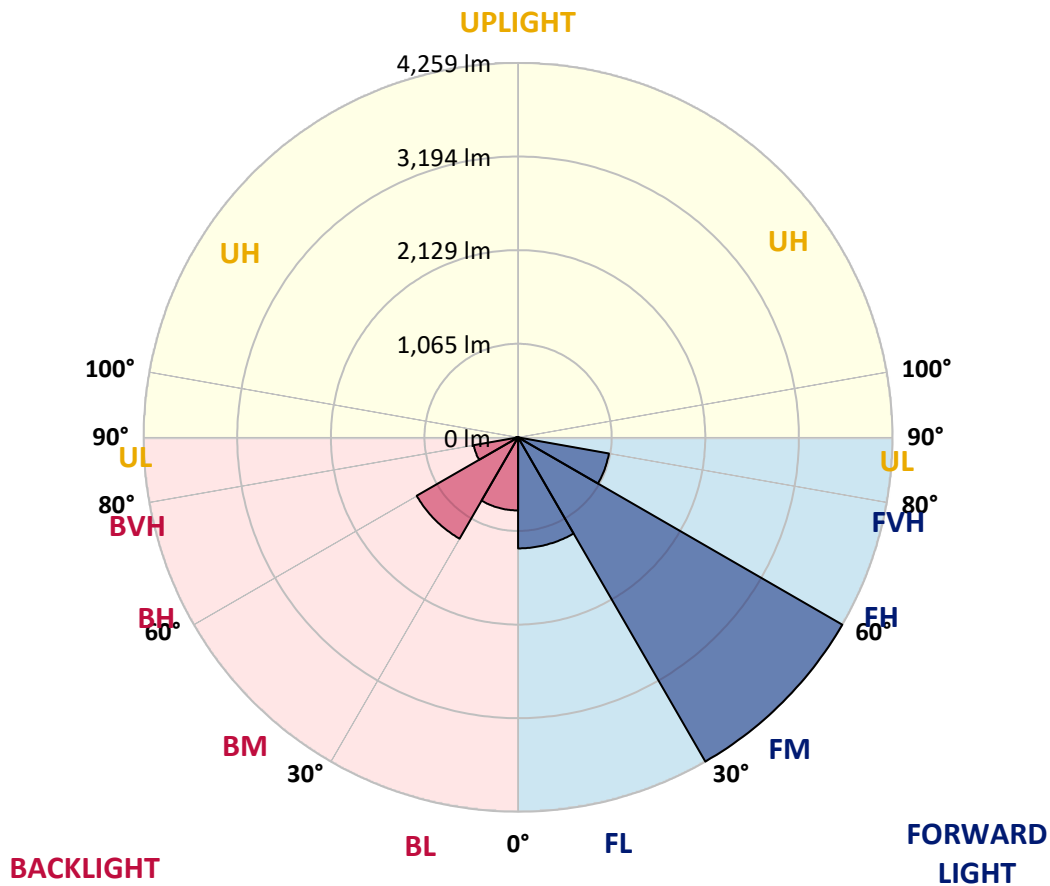
CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1263.2	13.6			
FM (30°-60°)	4258.7	45.9			
FH (60°-80°)	1049.2	11.3			G1/1800
FVH (80°-90°)	11.1	0.1			G1/100
BL (0°-30°)	831.4	9.0	B2/1000		
BM (30°-60°)	1330.9	14.3	B2/2500		
BH (60°-80°)	511.2	5.5	B2/1000		G2/1000
BVH (80°-90°)	24.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P635009

CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8
2.5°	3496.1	3503.2	3508.0	3524.7	3539.0	3551.7	3565.2	3565.2	3564.4	3562.0	3557.2
5°	3357.9	3365.8	3376.9	3400.0	3430.9	3453.2	3489.7	3492.9	3508.8	3515.1	3512.0
7.5°	3197.4	3199.8	3214.1	3244.3	3293.5	3333.2	3385.7	3392.0	3430.1	3452.4	3448.4
10°	3021.8	3013.9	3039.3	3083.8	3148.1	3214.9	3282.4	3287.9	3349.1	3391.2	3388.0
12.5°	2861.4	2862.2	2887.6	2941.6	3021.8	3104.4	3195.0	3207.7	3283.2	3337.2	3331.6
15°	2727.1	2730.3	2761.3	2822.4	2913.8	3012.3	3125.1	3137.0	3232.3	3303.8	3287.9
17.5°	2619.9	2623.0	2650.1	2720.0	2817.7	2936.8	3074.3	3086.2	3204.5	3289.5	3257.0
20°	2546.0	2544.4	2570.6	2637.3	2738.2	2867.7	3029.8	3047.2	3195.8	3295.1	3236.3
22.5°	2515.8	2515.0	2534.1	2588.9	2683.4	2814.5	3002.8	3026.6	3205.3	3319.7	3223.6
25°	2530.9	2527.7	2544.4	2584.9	2660.4	2793.8	3010.7	3036.1	3245.8	3370.6	3226.0
27.5°	2577.8	2573.8	2588.1	2624.6	2681.8	2815.3	3066.3	3095.7	3331.6	3463.5	3257.8
30°	2649.3	2646.9	2661.2	2696.1	2746.2	2886.8	3172.8	3206.1	3464.3	3608.1	3326.9
32.5°	2732.7	2728.7	2754.1	2794.6	2852.6	3017.1	3315.7	3359.4	3621.6	3794.0	3442.9
35°	2826.4	2823.2	2858.2	2917.0	3000.4	3198.2	3488.9	3536.6	3782.1	4004.5	3597.0
37.5°	2917.8	2917.8	2985.3	3072.7	3177.5	3395.2	3651.8	3682.0	3893.3	4191.2	3762.2
40°	2998.8	3003.6	3105.2	3236.3	3369.8	3573.1	3759.0	3784.4	3942.5	4319.8	3906.0
42.5°	3088.6	3092.5	3210.9	3382.5	3541.4	3716.9	3824.2	3836.9	3952.0	4384.2	4007.7
45°	3160.1	3165.6	3312.6	3496.1	3690.7	3824.9	3875.8	3886.9	3965.6	4419.1	4081.5
47.5°	3197.4	3205.3	3373.7	3587.4	3791.6	3921.9	3960.8	3965.6	4021.2	4480.3	4170.5
50°	3191.0	3206.9	3396.8	3632.7	3866.3	4019.6	4097.4	4105.4	4134.8	4570.1	4274.6
52.5°	3247.4	3254.6	3446.0	3686.7	3972.7	4199.9	4334.9	4346.1	4332.6	4637.6	4336.5
55°	3153.7	3187.9	3384.9	3678.8	4134.8	4478.7	4686.9	4681.3	4512.1	4713.1	4439.8
57.5°	2550.8	2600.8	2781.1	3122.7	3867.8	4674.1	4949.8	4936.3	4651.1	4771.1	4551.8
60°	1765.9	1773.9	1936.7	2179.0	2985.3	4129.2	4872.7	4902.1	4676.5	4698.0	4344.5
62.5°	1412.4	1410.0	1425.1	1431.5	1898.6	2902.7	3846.4	3953.6	3885.3	3660.5	3079.0
65°	1205.9	1214.6	1259.1	1236.1	1239.2	1634.8	2298.1	2313.2	2265.6	2184.6	1628.5
67.5°	943.7	958.8	1037.5	1127.2	1098.6	1052.6	1192.4	1185.2	934.2	722.9	597.4
70°	591.0	600.6	684.8	884.9	956.4	864.3	766.6	763.4	500.5	411.5	451.2
72.5°	344.8	346.4	370.2	493.3	634.7	591.0	564.0	543.4	321.7	328.1	359.9
75°	189.9	189.9	189.1	212.9	250.2	221.6	214.5	208.9	215.3	243.9	267.7
77.5°	39.7	40.5	42.9	56.4	73.1	89.0	112.0	112.8	140.6	162.8	181.9
80°	18.3	19.1	23.8	30.2	38.9	51.6	68.3	69.1	85.0	102.5	115.2
82.5°	9.5	10.3	12.7	15.9	20.7	27.0	38.1	38.1	50.8	60.4	68.3
85°	3.2	3.2	4.8	6.4	8.7	11.1	15.1	15.1	22.2	29.4	34.2
87.5°	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	4.0	4.8	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635009
 CATALOG NUMBER: GWS-SA3C-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8	3562.8
2.5°	3546.9	3522.3	3523.1	3527.8	3512.8	3489.7	3474.6	3455.6	3443.6	3441.3	3450.0
5°	3496.1	3467.5	3447.6	3427.0	3384.1	3333.2	3293.5	3260.9	3239.5	3231.5	3222.0
7.5°	3426.2	3388.8	3338.8	3280.8	3202.9	3112.4	3048.8	2989.3	2948.0	2936.0	2930.5
10°	3356.3	3302.2	3213.3	3105.2	2975.8	2853.4	2738.2	2650.1	2580.2	2540.4	2553.1
12.5°	3284.0	3217.2	3078.2	2912.2	2731.9	2547.6	2396.7	2250.5	2137.7	2081.3	2064.6
15°	3220.4	3129.9	2936.0	2711.2	2471.3	2239.4	2020.9	1801.7	1658.7	1580.8	1559.4
17.5°	3166.4	3048.8	2785.9	2506.3	2219.5	1889.0	1620.5	1417.2	1319.5	1276.6	1273.4
20°	3113.2	2969.4	2637.3	2285.4	1928.8	1558.6	1318.7	1223.3	1188.4	1173.3	1172.5
22.5°	3065.5	2886.0	2480.9	2064.6	1639.6	1309.9	1178.1	1136.8	1127.2	1127.2	1125.6
25°	3025.0	2802.6	2320.4	1830.3	1378.3	1166.2	1105.0	1087.5	1091.5	1098.6	1099.4
27.5°	3008.3	2737.4	2165.5	1589.6	1197.9	1082.7	1054.9	1052.6	1063.7	1074.8	1076.4
30°	3025.8	2693.0	2006.6	1359.2	1089.9	1031.9	1019.2	1024.0	1037.5	1048.6	1048.6
32.5°	3079.8	2670.7	1844.6	1190.8	1027.1	996.2	992.2	996.9	1007.3	1013.6	1014.4
35°	3171.2	2679.5	1676.9	1077.2	986.6	969.9	969.1	972.3	976.3	980.3	981.1
37.5°	3286.4	2718.4	1497.4	1011.2	960.4	950.9	949.3	948.5	949.3	949.3	950.1
40°	3399.2	2777.2	1336.9	972.3	942.1	934.2	930.2	924.7	923.9	922.3	921.5
42.5°	3482.6	2822.4	1209.0	944.5	925.5	915.9	911.2	902.4	901.6	900.8	900.0
45°	3545.3	2860.6	1102.6	917.5	908.0	899.2	888.9	881.0	882.6	884.1	884.1
47.5°	3616.0	2893.9	1024.8	892.1	886.5	877.8	865.1	859.5	865.1	870.6	870.6
50°	3701.8	2940.8	961.2	866.7	864.3	854.0	842.8	840.5	846.8	854.8	854.8
52.5°	3764.6	2981.3	915.9	841.3	841.3	827.7	818.2	817.4	824.6	832.5	833.3
55°	3882.1	3075.8	900.0	811.9	808.7	798.4	791.2	785.6	794.4	801.5	801.5
57.5°	4014.8	3201.4	904.0	769.8	765.8	762.6	757.0	750.7	753.1	761.0	761.8
60°	3733.6	2958.3	860.3	727.7	725.3	723.7	716.5	705.4	708.6	714.9	715.7
62.5°	2608.0	1966.1	695.9	675.2	683.2	682.4	672.8	660.1	660.9	669.7	669.7
65°	1353.6	1063.7	610.9	627.6	639.5	634.7	618.8	607.7	606.1	617.2	614.9
67.5°	583.9	580.7	556.1	577.5	590.2	579.9	563.2	544.9	546.5	550.5	547.3
70°	470.3	484.6	494.9	517.9	528.3	509.2	490.9	480.6	471.9	471.1	465.5
72.5°	375.7	395.6	418.6	442.5	445.6	426.6	403.5	394.0	380.5	379.7	374.2
75°	282.8	299.5	317.8	336.8	336.8	318.5	303.5	298.7	282.8	278.0	273.3
77.5°	193.0	203.4	217.7	222.4	227.2	220.0	205.0	197.0	178.7	174.0	167.6
80°	121.5	128.7	137.4	140.6	145.4	136.6	124.7	116.0	103.3	99.3	96.1
82.5°	73.1	77.8	83.4	85.0	89.0	82.6	71.5	65.1	58.0	54.8	52.4
85°	37.3	39.7	42.9	43.7	42.9	36.5	32.6	29.4	24.6	23.8	22.2
87.5°	9.5	11.1	11.9	11.1	10.3	7.9	5.6	4.0	1.6	1.6	0.8
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)