

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: P634503

Luminaire Tested: GWS-SA3B-830-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 7496 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

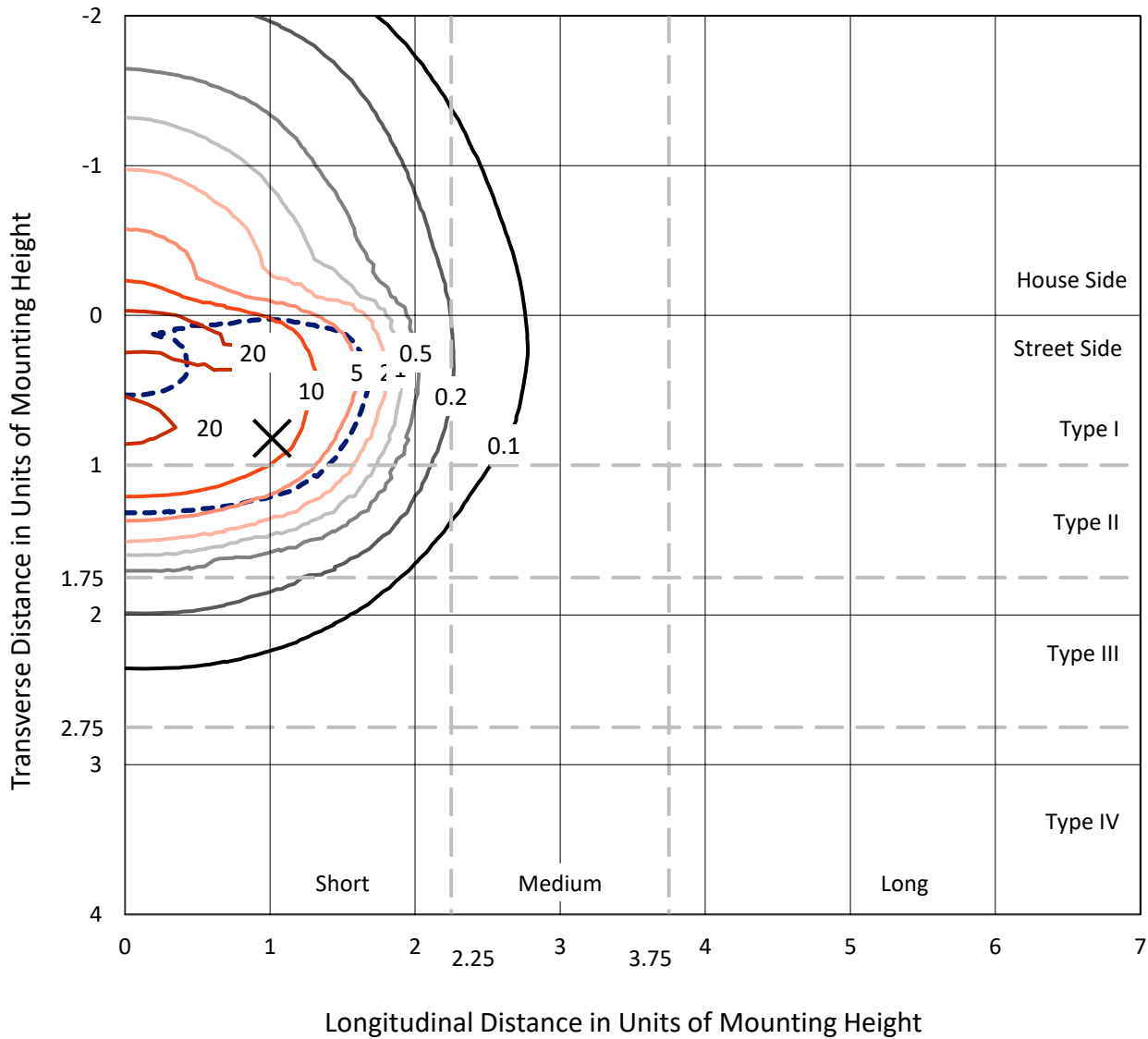
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634503
 CATALOG NUMBER: GWS-SA3B-830-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

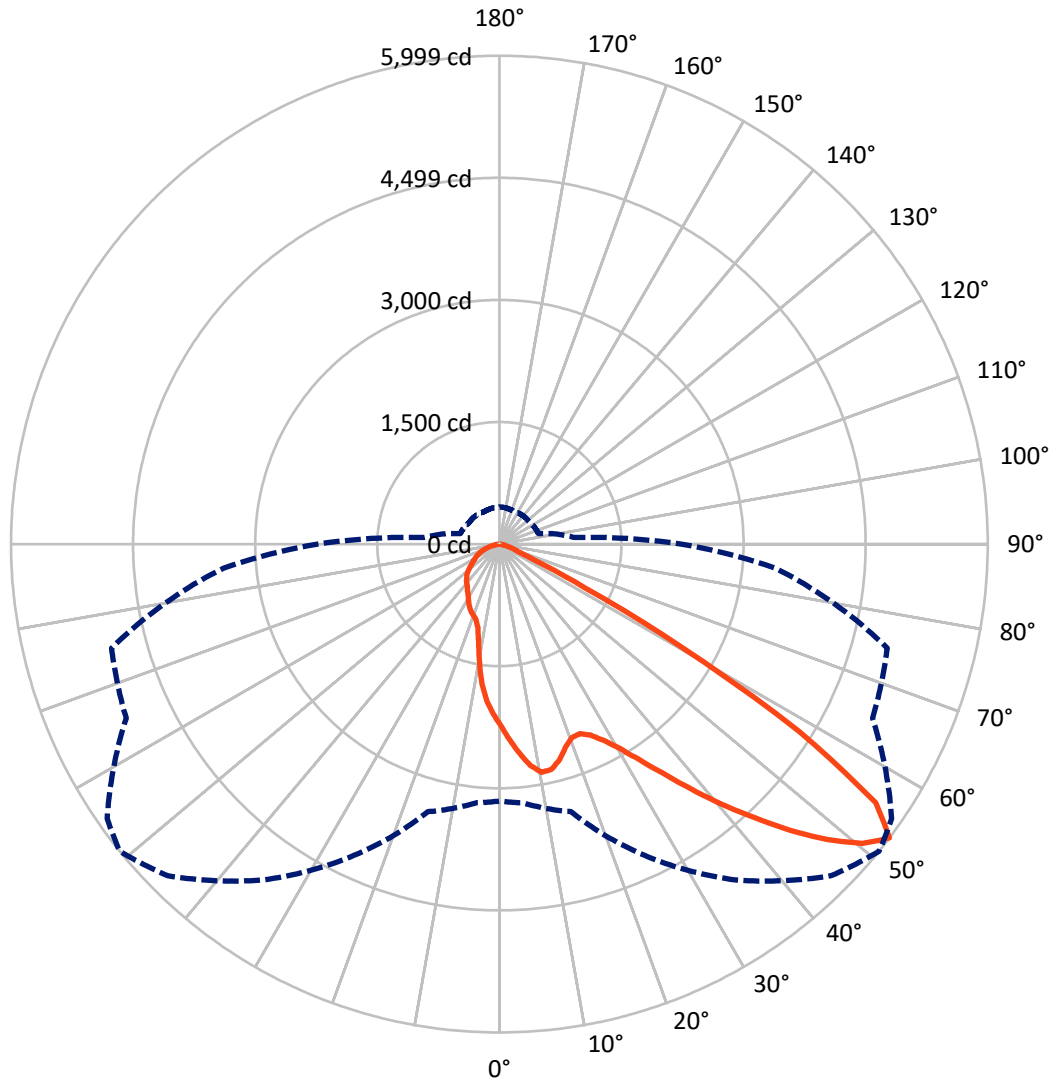
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.3 fc
 Type II - Short - N/A

REPORT NUMBER: P634503
CATALOG NUMBER: GWS-SA3B-830-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P634503

CATALOG NUMBER: GWS-SA3B-830-U-AFL-W-GRSWH

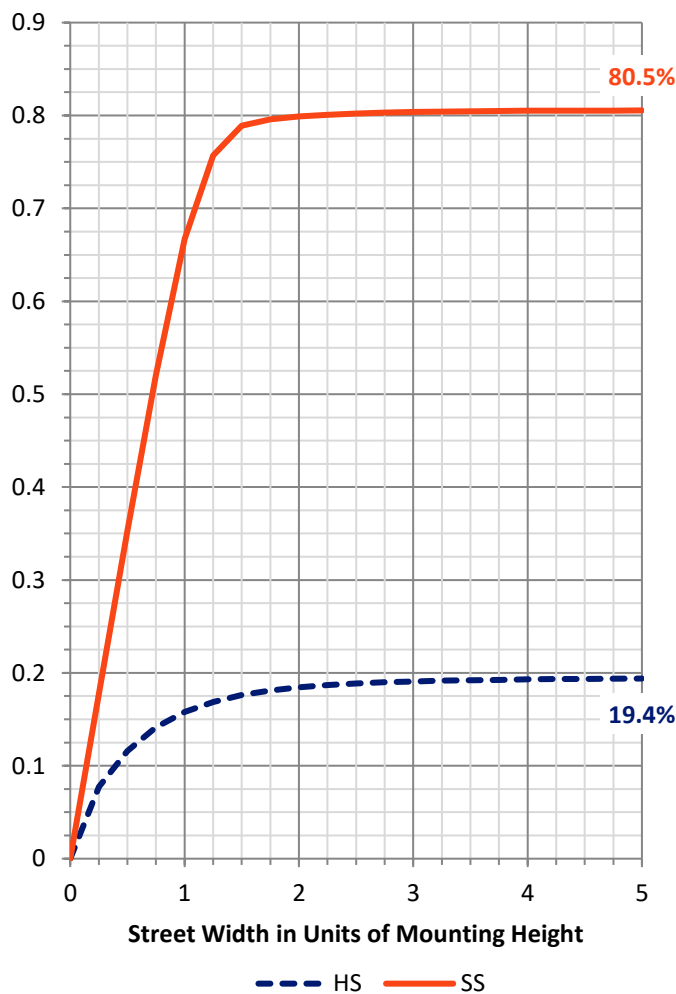
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1460.5	0.0	1460.5
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	6035.5	0.0	6035.5
	% Fixture	80.5	0.0	80.5
Total	Lumens	7496.0	0.0	7496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.3	2.8
10°-20°	541.2	7.2
20°-30°	879.9	11.7
30°-40°	1394.4	18.6
40°-50°	2103.1	28.1
50°-60°	1819.4	24.3
60°-70°	412.5	5.5
70°-80°	121.6	1.6
80°-90°	15.7	0.2
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°	7496.0	100.0
0°-180°	7496.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634503

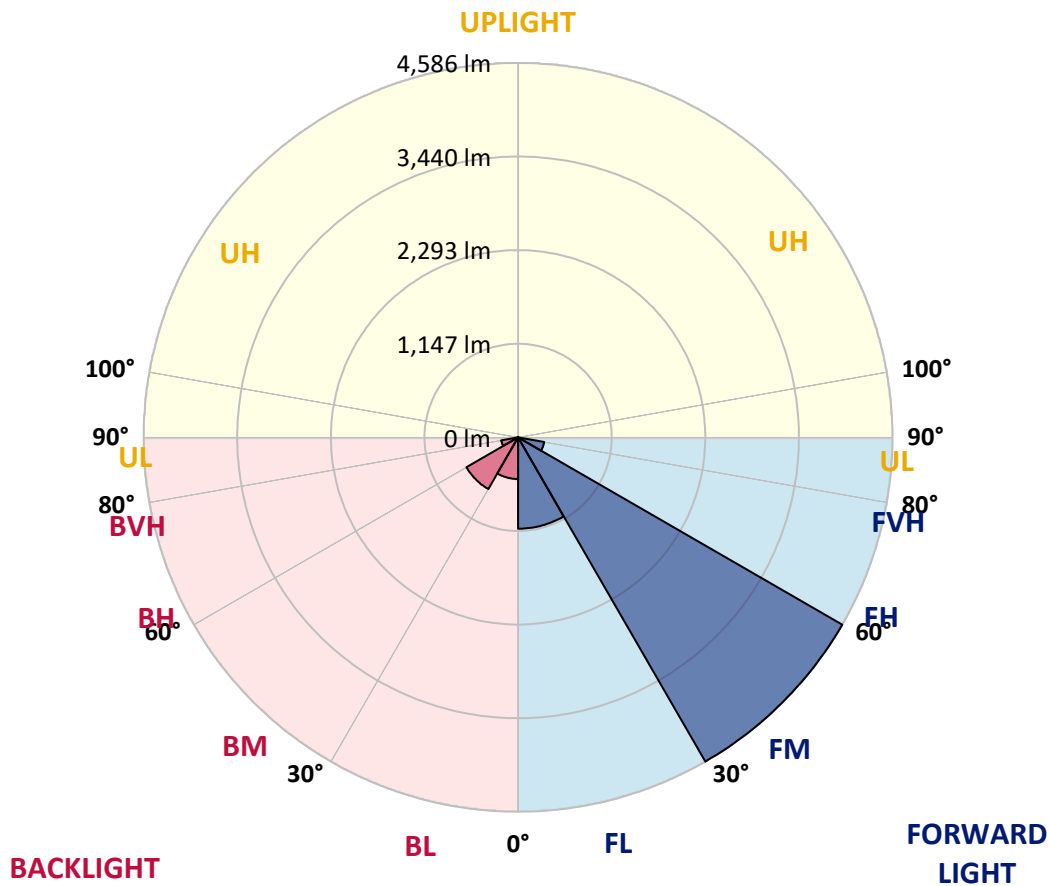
CATALOG NUMBER: GWS-SA3B-830-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1118.8	14.9			
FM (30°-60°)	4586.2	61.2			
FH (60°-80°)	324.6	4.3			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	510.5	6.8	B2/1000		
BM (30°-60°)	730.7	9.7	B1/1000		
BH (60°-80°)	209.5	2.8	B1/500		G1/500
BVH (80°-90°)	9.8	0.1			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





REPORT NUMBER: P634503
 CATALOG NUMBER: GWS-SA3B-830-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9
2.5°	2487.2	2501.4	2479.5	2471.2	2457.6	2433.9	2406.7	2399.0	2340.3	2301.8	2258.6
5°	2737.2	2744.9	2727.1	2709.4	2675.6	2633.5	2580.8	2569.6	2462.9	2374.7	2282.9
7.5°	2792.9	2789.9	2805.3	2815.4	2811.2	2794.7	2747.9	2725.9	2598.6	2458.8	2323.2
10°	2572.5	2555.9	2612.8	2680.3	2761.5	2855.1	2849.7	2848.0	2737.2	2571.9	2374.7
12.5°	2280.5	2272.2	2318.4	2403.1	2556.5	2763.9	2841.4	2901.9	2862.2	2679.7	2432.1
15°	2113.5	2110.5	2141.9	2202.9	2324.9	2586.7	2752.6	2872.3	2969.4	2795.2	2493.2
17.5°	2083.3	2085.0	2095.7	2130.6	2218.3	2433.9	2625.8	2792.9	3052.9	2922.0	2569.6
20°	2171.5	2183.4	2165.0	2170.3	2217.7	2378.8	2539.4	2712.9	3106.2	3049.4	2651.9
22.5°	2367.6	2363.4	2323.2	2299.5	2300.1	2412.6	2529.9	2675.6	3141.2	3173.2	2726.5
25°	2589.7	2585.0	2537.0	2484.3	2451.1	2504.4	2598.0	2715.3	3172.6	3286.3	2786.4
27.5°	2852.1	2837.3	2784.0	2716.5	2643.0	2666.1	2729.5	2822.5	3221.1	3397.7	2826.0
30°	3106.2	3123.4	3047.0	2967.0	2889.4	2875.2	2911.9	2996.1	3320.1	3528.0	2873.4
32.5°	3443.3	3437.3	3352.6	3248.4	3137.6	3127.0	3156.0	3233.0	3497.8	3708.0	2945.7
35°	3851.4	3852.6	3732.3	3591.4	3433.8	3405.4	3453.9	3528.6	3762.5	3952.1	3060.0
37.5°	4275.5	4273.7	4168.9	4009.0	3793.9	3753.7	3809.3	3865.0	4093.7	4284.4	3237.7
40°	4572.9	4584.7	4535.5	4451.4	4247.7	4149.3	4198.5	4237.0	4453.8	4675.3	3471.7
42.5°	4741.7	4759.4	4770.1	4820.5	4713.2	4608.4	4590.6	4610.8	4775.4	5038.4	3691.5
45°	4777.8	4801.5	4879.1	5065.7	5107.1	5077.5	5019.5	4970.9	5015.3	5296.1	3835.4
47.5°	4618.5	4659.9	4825.8	5152.2	5394.4	5487.4	5422.9	5348.8	5153.9	5362.4	3820.6
50°	3987.0	4035.6	4409.4	4975.6	5435.3	5774.1	5780.0	5670.5	5137.4	5171.1	3634.6
52.5°	3156.6	3189.7	3403.6	4218.0	5034.3	5762.3	5999.2	5881.9	5057.4	4931.8	3401.8
55°	1886.6	1939.9	2139.5	2782.8	3921.9	5107.1	5611.8	5668.7	5018.3	4731.0	3243.1
57.5°	636.8	662.8	853.6	1229.1	2311.3	3739.4	4335.9	4566.9	4555.7	4424.2	2933.3
60°	303.3	309.2	347.7	466.2	925.2	1954.1	2566.6	2833.2	3076.0	3100.3	1825.0
62.5°	231.0	234.6	254.1	279.6	372.0	823.4	1176.4	1380.1	1474.3	1265.2	664.6
65°	193.1	196.1	210.9	226.9	252.9	356.6	451.4	520.7	469.1	365.5	316.9
67.5°	161.1	163.5	174.7	191.9	209.7	238.7	250.6	257.7	270.1	303.3	291.4
70°	126.2	128.5	140.4	155.2	172.4	179.5	190.7	197.8	222.7	265.4	264.2
72.5°	97.1	100.1	106.6	116.1	130.3	137.4	149.9	158.2	172.4	206.7	220.9
75°	71.1	72.9	78.8	81.7	83.5	81.7	94.2	103.7	122.6	135.6	139.2
77.5°	29.0	32.6	31.4	31.4	37.3	45.0	51.5	57.5	70.5	78.2	78.8
80°	11.8	13.0	15.4	17.2	20.7	26.7	30.8	33.2	39.1	43.8	47.4
82.5°	7.1	7.7	8.9	9.5	11.8	15.4	17.8	19.5	24.3	29.0	30.8
85°	3.6	3.6	4.1	4.7	5.9	7.1	8.3	9.5	12.4	15.4	17.2
87.5°	0.6	0.6	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.9
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: P634503
 CATALOG NUMBER: GWS-SA3B-830-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9	2231.9
2.5°	2233.1	2201.1	2163.8	2134.2	2099.8	2074.4	2038.2	2015.7	1994.4	1976.6	1963.6
5°	2235.5	2181.6	2104.0	2035.3	1964.2	1896.7	1827.4	1771.1	1720.7	1678.7	1675.1
7.5°	2249.1	2171.5	2050.1	1929.8	1791.2	1657.4	1523.5	1414.5	1331.6	1288.3	1279.5
10°	2272.2	2170.3	1995.0	1803.1	1566.7	1351.1	1192.4	1109.5	1061.5	1044.3	1038.4
12.5°	2296.5	2167.4	1924.5	1624.2	1296.0	1107.1	1020.0	1009.9	1018.8	1020.0	1019.4
15°	2326.1	2165.6	1835.7	1414.5	1098.2	993.9	999.9	1021.2	1041.9	1046.7	1046.7
17.5°	2362.2	2161.4	1714.8	1209.6	974.4	972.0	1003.4	1031.9	1051.4	1055.0	1055.0
20°	2400.2	2150.8	1566.1	1042.5	924.0	958.4	992.2	1014.1	1027.7	1032.4	1033.0
22.5°	2426.2	2122.4	1395.0	918.7	892.7	932.3	956.6	979.1	979.1	967.3	963.7
25°	2431.6	2061.3	1209.6	834.0	855.3	892.1	916.9	903.9	879.6	870.1	869.6
27.5°	2412.0	1972.5	1026.5	773.6	810.3	847.0	842.9	823.9	813.3	803.8	807.4
30°	2388.3	1865.9	867.8	723.8	758.2	794.3	780.1	773.6	765.9	755.2	757.6
32.5°	2372.3	1746.8	745.8	685.3	723.2	729.2	739.2	738.6	731.5	711.4	710.2
35°	2377.1	1626.6	664.0	653.9	694.2	691.9	710.8	707.3	658.1	630.2	628.5
37.5°	2415.0	1511.1	616.0	629.1	648.0	662.8	679.4	636.8	619.6	601.8	603.0
40°	2487.2	1403.8	590.0	615.4	620.2	642.1	603.6	603.0	595.3	579.3	578.7
42.5°	2569.0	1313.2	572.2	608.9	602.4	606.6	565.7	570.4	569.8	559.8	556.8
45°	2618.7	1229.7	558.0	584.6	586.4	545.0	532.5	537.8	540.8	535.5	534.9
47.5°	2567.2	1133.7	543.2	547.3	562.7	517.1	501.7	502.3	507.6	508.2	505.9
50°	2422.7	1026.5	525.4	515.3	505.3	488.1	473.9	470.9	476.2	481.6	483.3
52.5°	2236.1	924.0	495.8	480.4	456.7	456.7	450.2	440.7	447.8	454.9	457.3
55°	2099.2	848.2	453.7	436.6	410.5	419.4	418.2	409.9	419.4	424.7	426.5
57.5°	1819.1	681.8	399.2	393.9	372.0	382.7	385.0	374.4	369.6	370.8	372.6
60°	1079.8	440.1	360.1	359.5	340.0	352.4	359.5	348.9	334.7	336.4	338.8
62.5°	484.5	336.4	311.0	308.6	308.0	324.0	331.7	321.6	301.5	303.3	305.6
65°	305.1	290.8	270.1	270.1	279.6	293.2	299.1	290.8	267.7	264.8	267.1
67.5°	283.1	270.7	249.4	245.2	250.0	261.2	261.8	245.8	232.2	229.8	229.8
70°	254.1	244.6	223.9	215.6	213.8	213.2	211.5	207.3	198.4	196.1	197.2
72.5°	210.3	203.8	190.7	181.8	177.1	176.5	169.4	165.9	158.2	157.0	156.4
75°	139.2	141.0	141.0	139.8	135.6	133.9	126.2	122.6	113.7	110.2	109.6
77.5°	82.3	84.1	86.5	87.1	86.5	86.5	79.4	75.2	66.3	61.6	60.4
80°	50.3	51.5	52.7	54.5	52.1	50.3	43.8	39.7	35.5	32.6	32.0
82.5°	32.6	33.8	34.4	35.5	34.4	32.0	26.7	24.3	21.3	19.0	18.4
85°	18.4	19.0	20.1	20.1	18.4	16.6	13.6	11.8	10.1	8.9	8.9
87.5°	6.5	6.5	6.5	7.1	5.9	5.3	3.6	2.4	1.8	1.8	1.8
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)