

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: P634107

Luminaire Tested: GWS-SA3B-722-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7596 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

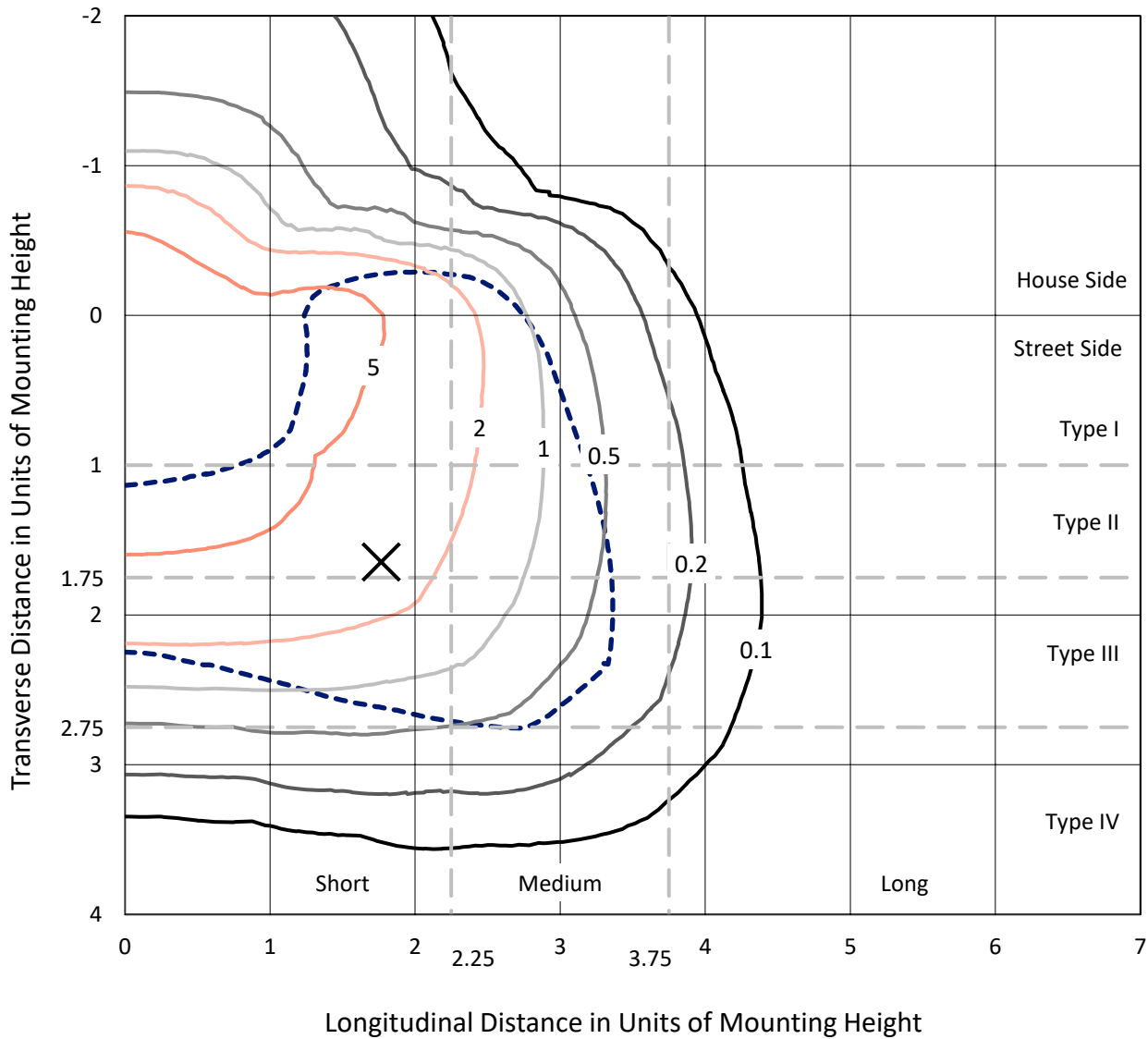
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634107
 CATALOG NUMBER: GWS-SA3B-722-U-T4W-W

Iso-Footcandle Lines of Horizontal Illumination

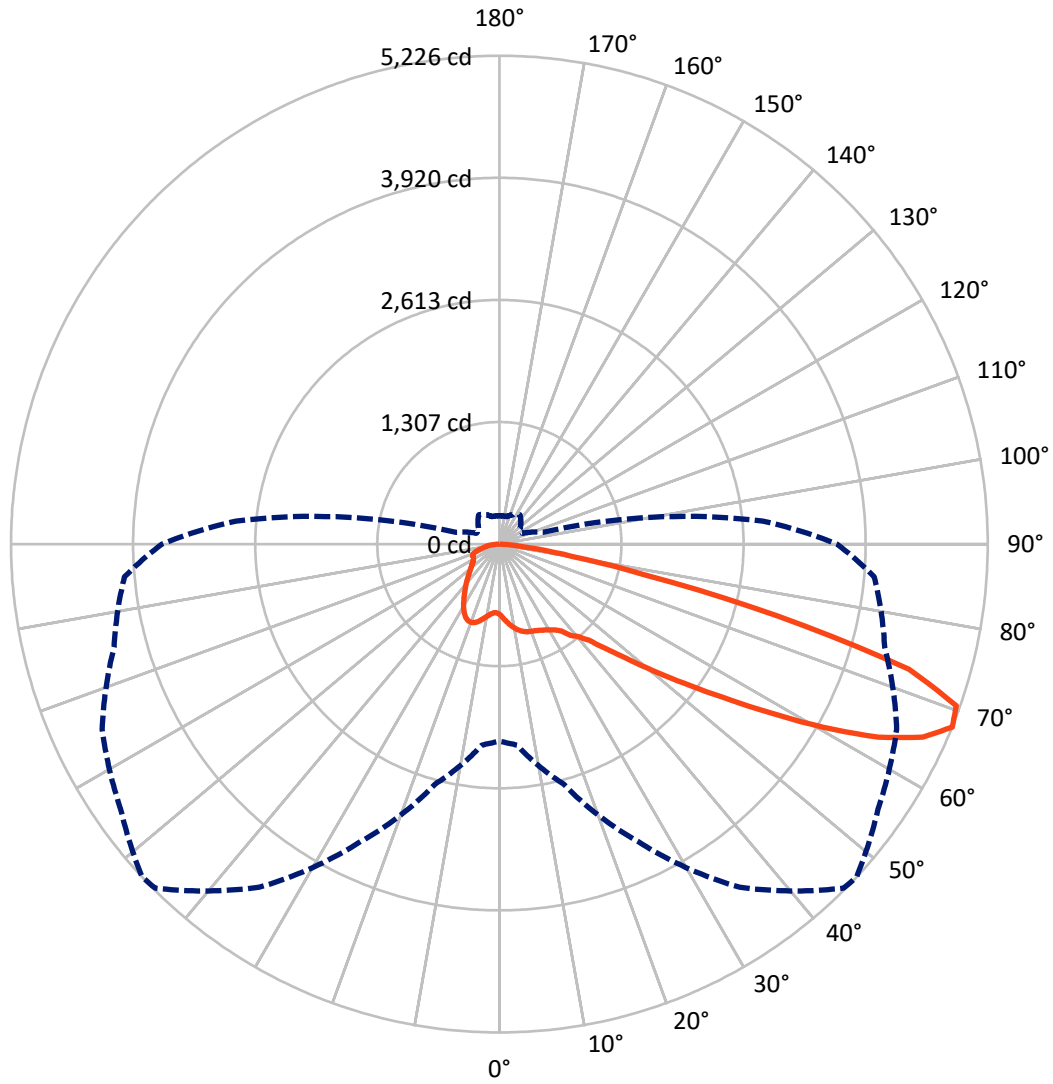
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

REPORT NUMBER: P634107
CATALOG NUMBER: GWS-SA3B-722-U-T4W-W

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634107

CATALOG NUMBER: GWS-SA3B-722-U-T4W-W

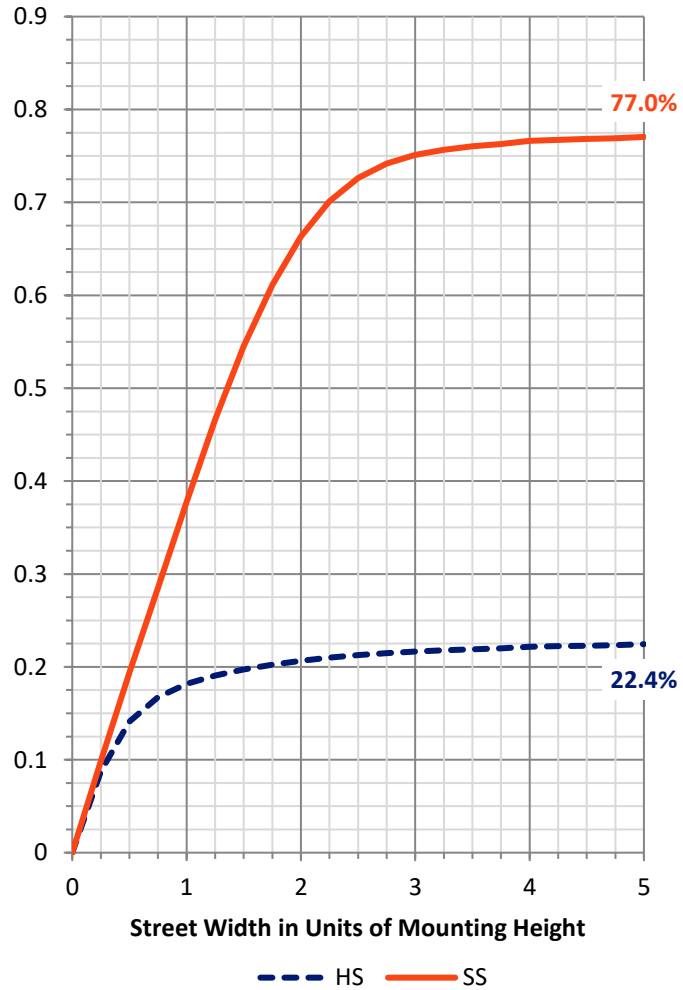
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1731.2	0.0	1731.2
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	5864.8	0.0	5864.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	7596.0	0.0	7596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.0
10°-20°	256.4	3.4
20°-30°	435.8	5.7
30°-40°	638.4	8.4
40°-50°	972.7	12.8
50°-60°	1740.4	22.9
60°-70°	2322.3	30.6
70°-80°	1050.2	13.8
80°-90°	102.9	1.4
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°	7596.0	100.0
0°-180°	7596.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634107

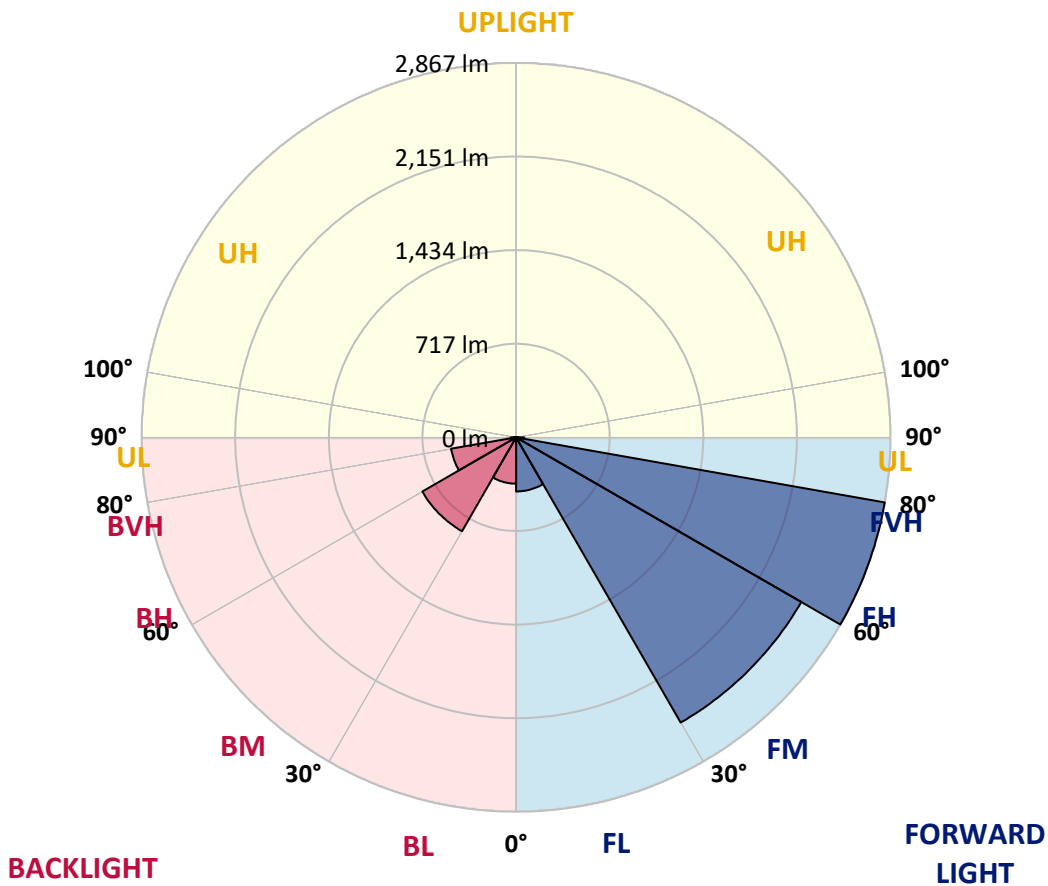
CATALOG NUMBER: GWS-SA3B-722-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.3	5.5			
FM (30°-60°)	2522.0	33.2			
FH (60°-80°)	2867.4	37.7			G2/5000
FVH (80°-90°)	61.2	0.8			G1/100
BL (0°-30°)	354.9	4.7	B1/500		
BM (30°-60°)	829.5	10.9	B1/1000		
BH (60°-80°)	505.1	6.6	B2/1000		G2/1000
BVH (80°-90°)	41.7	0.5			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 III Short





REPORT NUMBER: P634107
 CATALOG NUMBER: GWS-SA3B-722-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0
2.5°	803.0	805.7	805.2	800.8	798.0	793.1	793.6	786.0	774.4	766.7	757.9
5°	873.8	878.2	872.7	865.6	854.6	838.7	837.0	819.5	797.5	782.1	766.2
7.5°	935.4	938.1	931.5	919.4	903.5	882.1	878.2	857.4	829.9	805.7	782.7
10°	983.1	986.4	977.6	961.7	940.8	919.4	916.7	895.3	866.1	837.6	808.5
12.5°	1023.8	1024.9	1015.5	994.1	971.6	949.6	946.9	927.1	900.2	871.1	839.2
15°	1047.4	1047.9	1036.4	1012.8	991.4	972.1	970.5	953.5	928.8	901.3	867.2
17.5°	1045.7	1046.8	1038.6	1017.7	999.1	987.5	985.9	974.9	955.7	931.0	896.9
20°	1025.4	1026.5	1021.0	1007.3	997.4	994.1	994.7	991.4	979.8	959.5	924.9
22.5°	1009.5	1011.1	1006.2	996.3	995.2	1002.9	1004.6	1006.2	1000.7	982.6	949.1
25°	1017.2	1019.9	1012.2	998.5	1000.7	1017.7	1021.0	1026.5	1022.1	1006.8	977.6
27.5°	1070.5	1072.1	1052.3	1024.3	1017.7	1035.9	1040.8	1049.6	1046.3	1032.0	1009.5
30°	1194.0	1192.9	1150.7	1082.0	1054.5	1061.7	1065.5	1078.2	1079.3	1069.9	1048.5
32.5°	1368.1	1362.7	1297.3	1188.0	1108.4	1090.8	1095.2	1112.2	1124.8	1115.0	1085.8
35°	1552.1	1547.2	1475.3	1347.3	1207.8	1146.8	1141.9	1155.0	1174.3	1146.8	1105.1
37.5°	1727.4	1719.7	1646.1	1487.9	1330.3	1245.1	1238.0	1224.8	1213.3	1160.5	1128.7
40°	1921.8	1913.0	1848.7	1669.7	1465.4	1320.4	1302.2	1250.1	1239.6	1206.1	1190.2
42.5°	2129.4	2129.4	2076.1	1899.8	1628.5	1428.0	1404.4	1325.9	1336.8	1314.9	1296.2
45°	2337.0	2343.0	2300.8	2131.6	1846.5	1631.2	1593.3	1481.8	1508.2	1498.3	1489.0
47.5°	2513.9	2525.4	2517.2	2368.3	2113.5	1878.4	1820.7	1704.8	1761.4	1785.0	1811.4
50°	2704.4	2717.1	2708.8	2650.1	2426.0	2177.7	2126.1	2006.4	2103.6	2174.4	2260.7
52.5°	2987.3	3005.4	2936.8	2914.3	2805.5	2517.7	2471.6	2335.4	2511.7	2629.2	2821.4
55°	3226.2	3225.7	3201.5	3253.1	3213.0	2933.5	2882.4	2758.8	2984.0	3108.7	3389.9
57.5°	3337.2	3350.3	3433.3	3579.4	3659.6	3441.5	3392.6	3266.3	3491.0	3555.8	3859.5
60°	3394.3	3410.8	3571.1	3860.0	4075.9	3996.2	3977.0	3816.1	3942.4	3934.7	4255.5
62.5°	3314.1	3347.1	3604.6	3988.6	4373.0	4553.7	4547.7	4304.4	4326.3	4251.1	4501.0
65°	2946.1	2981.8	3386.0	3924.3	4542.7	4977.7	4979.4	4746.5	4621.3	4404.9	4459.8
67.5°	2106.9	2158.0	2657.8	3511.3	4482.9	5206.8	5226.0	4947.0	4690.5	4268.7	4027.0
70°	1148.5	1185.8	1577.4	2552.3	3943.5	5151.8	5187.5	4850.3	4385.1	3692.5	3099.9
72.5°	521.8	533.9	733.8	1400.6	2694.0	4434.5	4583.9	4328.5	3601.3	2727.5	1971.2
75°	238.9	244.4	319.7	670.1	1407.7	2967.5	3072.4	3224.0	2506.2	1722.4	1027.6
77.5°	149.9	151.6	181.8	306.5	701.9	1481.3	1591.7	1919.6	1467.6	852.4	429.5
80°	88.4	90.1	113.1	165.9	329.5	677.8	782.7	759.0	689.8	368.0	195.5
82.5°	44.5	46.1	65.4	94.5	179.6	269.7	317.5	319.1	257.0	199.4	110.4
85°	15.9	16.5	21.4	37.3	76.3	89.0	99.4	121.4	125.8	115.9	53.3
87.5°	0.0	0.0	0.5	1.1	2.2	8.8	9.3	17.6	36.8	41.2	21.4
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: P634107
 CATALOG NUMBER: GWS-SA3B-722-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0	753.0
2.5°	755.2	747.0	744.2	741.5	737.1	735.4	732.1	728.8	728.8	725.5	723.9
5°	759.0	748.1	740.9	737.6	734.9	736.5	736.5	737.6	741.5	739.3	740.4
7.5°	772.8	760.1	750.3	747.5	747.5	754.1	758.5	764.0	771.1	772.2	772.2
10°	796.9	782.1	771.7	770.0	772.8	782.1	788.7	795.3	804.1	804.6	805.7
12.5°	823.3	808.5	798.0	800.2	803.0	815.1	822.2	827.7	836.5	836.5	835.9
15°	850.8	834.3	825.5	829.9	838.1	851.9	853.0	853.5	857.9	856.8	856.3
17.5°	879.3	861.8	855.2	861.8	870.5	877.1	871.6	863.9	862.3	860.1	859.0
20°	907.3	889.2	886.5	891.4	894.2	888.7	871.6	857.4	850.8	847.5	846.4
22.5°	931.5	916.1	914.5	914.5	900.7	881.5	856.3	837.0	828.2	823.9	822.8
25°	960.1	945.8	943.0	928.2	893.1	857.9	823.9	806.3	799.1	796.9	797.5
27.5°	993.6	983.7	974.9	932.6	871.1	816.2	777.7	770.0	767.3	770.0	771.7
30°	1034.8	1024.9	1005.1	927.1	835.9	761.8	725.0	724.4	732.7	739.8	740.9
32.5°	1068.3	1063.9	1031.5	909.5	786.5	701.9	670.6	672.8	687.6	697.5	699.2
35°	1094.6	1101.8	1053.4	880.4	727.7	645.4	620.6	621.7	630.0	643.7	644.3
37.5°	1132.0	1156.1	1073.2	835.9	660.2	596.5	574.0	565.7	564.6	568.5	569.6
40°	1207.2	1243.5	1087.5	771.1	594.8	552.5	527.3	511.3	497.6	487.2	483.9
42.5°	1320.9	1362.7	1095.7	692.6	536.6	509.1	480.6	460.3	436.1	414.1	406.4
45°	1529.6	1543.4	1095.7	609.1	485.0	468.5	439.9	415.8	385.0	359.2	353.7
47.5°	1863.6	1819.6	1096.8	528.4	439.4	432.8	408.1	380.6	346.6	325.1	321.9
50°	2366.7	2212.3	1119.3	461.4	401.5	402.6	384.5	354.3	323.5	307.6	304.8
52.5°	2936.8	2696.2	1179.8	411.9	369.6	377.9	368.0	338.9	311.4	297.7	294.9
55°	3472.8	3141.1	1231.4	376.8	342.7	357.0	356.5	329.5	304.8	291.1	289.4
57.5°	3928.7	3445.9	1223.7	348.2	319.7	337.8	346.0	323.5	300.4	288.9	287.3
60°	4212.1	3607.4	1114.4	321.9	302.1	324.0	340.0	321.9	302.6	299.9	300.4
62.5°	4335.1	3577.7	904.6	302.1	290.5	317.5	346.6	333.4	323.0	329.5	333.4
65°	4144.0	3322.9	665.7	287.3	279.6	319.1	361.9	351.5	323.0	327.3	329.0
67.5°	3613.4	2828.6	481.1	272.4	265.8	324.0	383.9	348.8	304.3	304.3	301.0
70°	2603.9	2034.4	349.3	257.6	252.1	316.9	385.0	330.1	282.9	281.2	273.0
72.5°	1567.0	1200.1	272.4	241.1	231.2	281.2	360.8	308.1	262.0	248.3	238.4
75°	814.0	601.4	228.5	223.0	198.3	238.4	330.1	274.1	224.1	212.0	206.5
77.5°	348.8	281.2	196.1	198.8	164.8	200.5	266.4	237.3	198.8	183.4	178.5
80°	171.9	159.8	154.9	159.3	131.8	154.9	229.6	207.6	168.6	151.0	143.9
82.5°	98.3	93.4	111.5	113.1	93.9	129.6	193.9	175.8	139.5	120.3	108.7
85°	45.6	48.9	67.6	68.1	58.2	89.0	126.9	98.9	74.1	61.5	58.8
87.5°	18.1	21.4	29.7	29.1	17.0	16.5	11.0	6.0	4.9	4.4	3.8
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)