

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: P634421

Luminaire Tested: GWS-SA3B-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10411.6 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

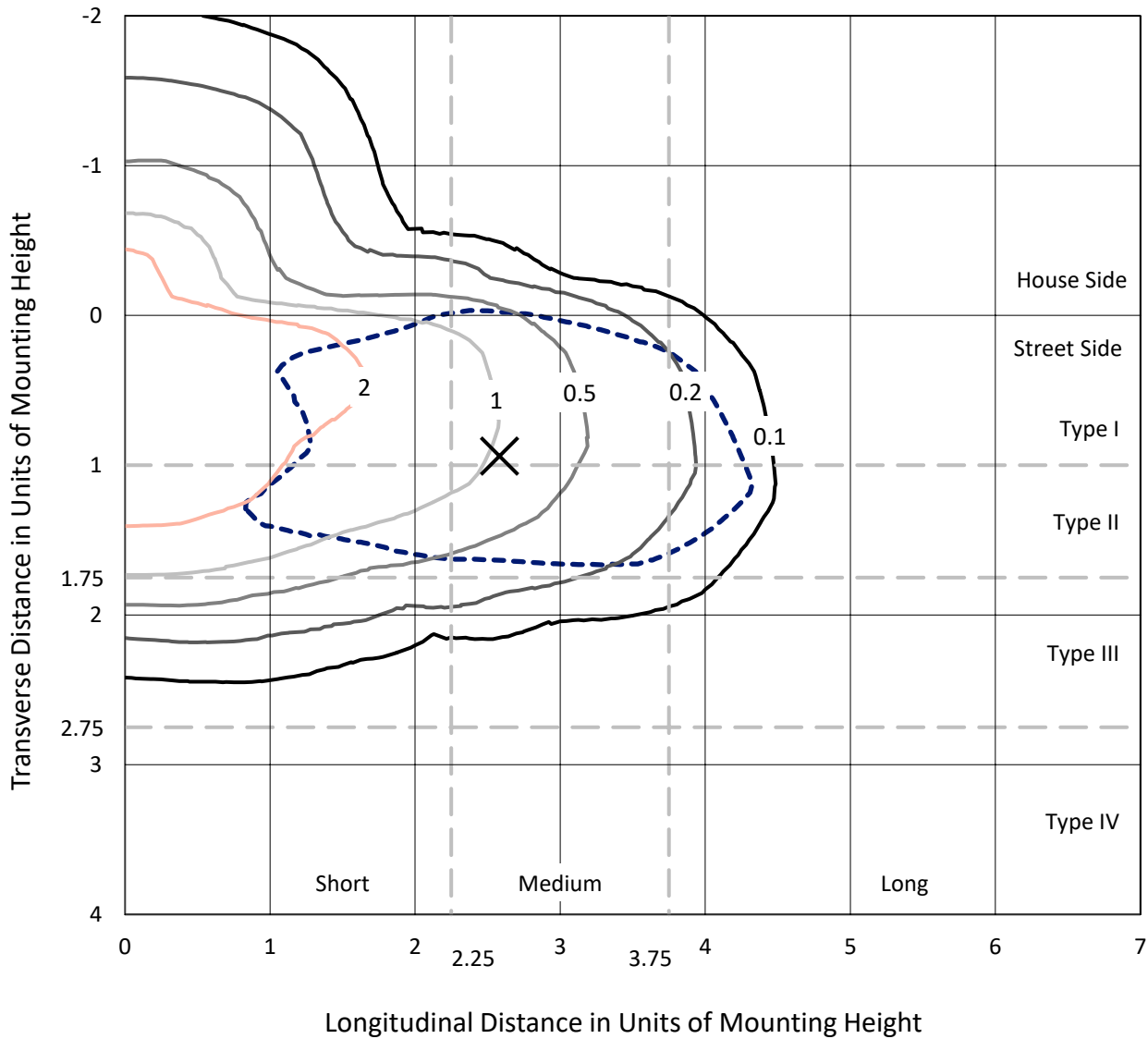
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

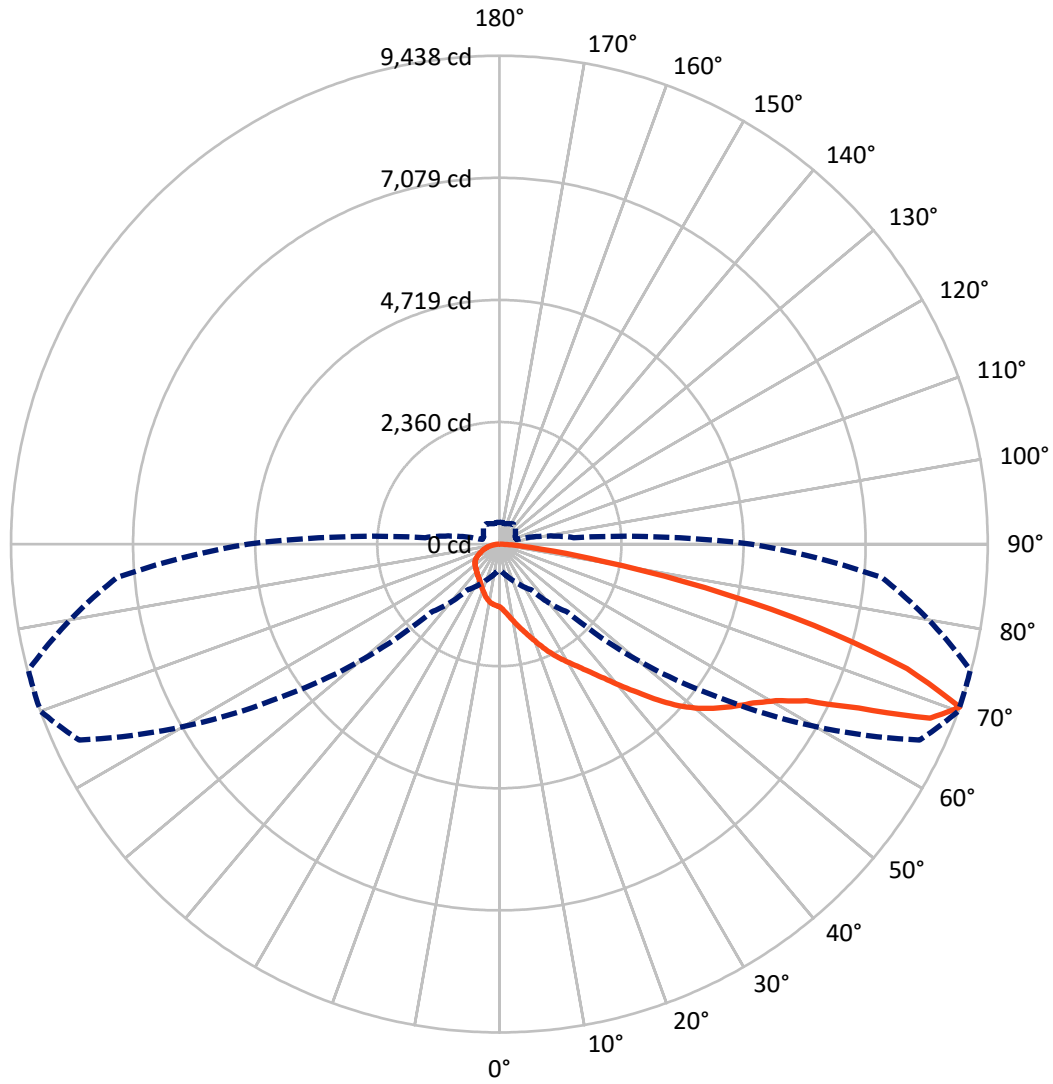
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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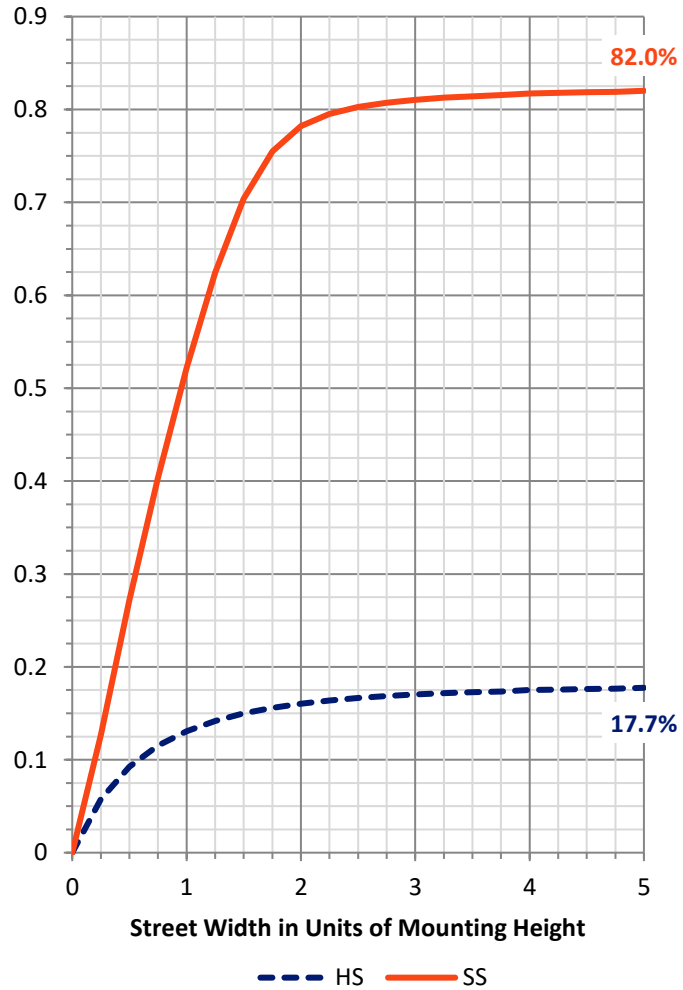
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1865.8	0.0	1865.8
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	8545.8	0.0	8545.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	10411.6	0.0	10411.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	1.2
10°-20°	401.5	3.9
20°-30°	711.2	6.8
30°-40°	1070.4	10.3
40°-50°	1619.3	15.6
50°-60°	2319.8	22.3
60°-70°	2564.2	24.6
70°-80°	1447.1	13.9
80°-90°	154.8	1.5
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°	10411.6	100.0
0°-180°	10411.6	100.0

Coefficient of Utilization



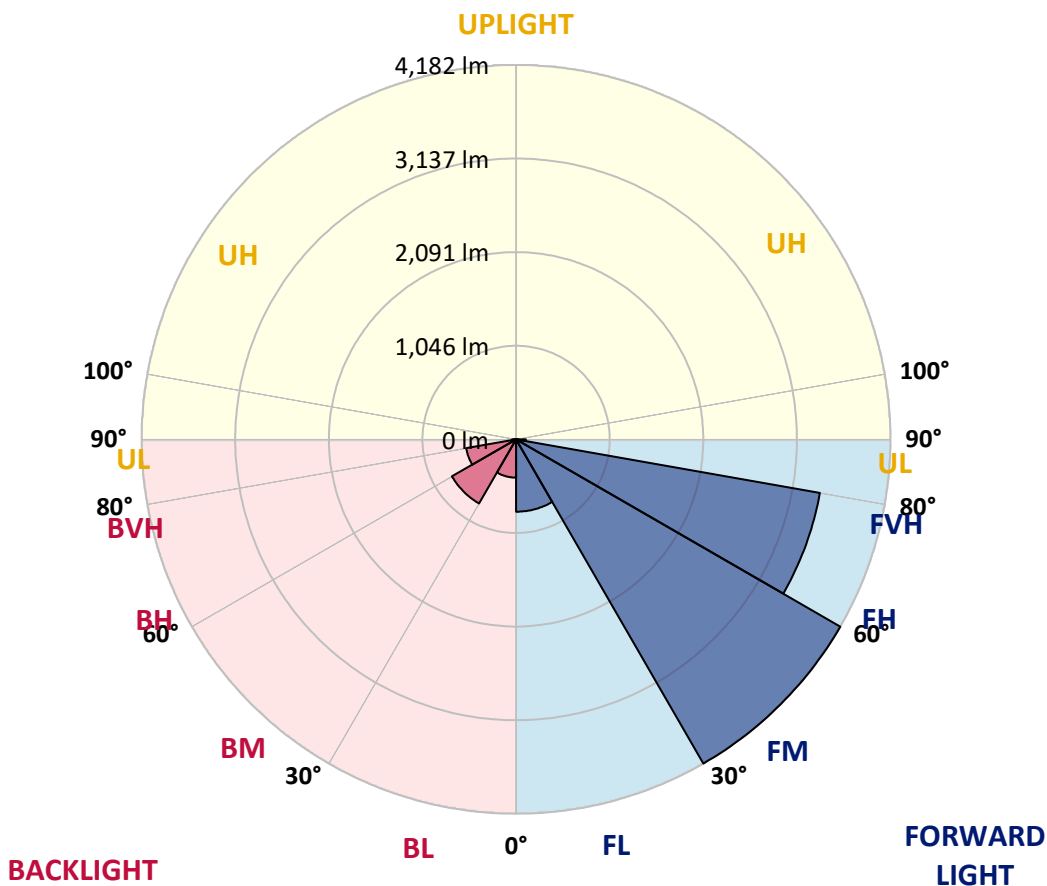
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.3	7.8			
FM (30°-60°)	4182.3	40.2			
FH (60°-80°)	3445.8	33.1			G2/5000
FVH (80°-90°)	109.4	1.1			G2/225
BL (0°-30°)	427.8	4.1	B1/500		
BM (30°-60°)	827.1	7.9	B1/1000		
BH (60°-80°)	565.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	45.4	0.4			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2
2.5°	1345.1	1342.9	1344.4	1342.9	1334.6	1314.3	1297.7	1276.6	1262.4	1254.1	1234.5
5°	1503.1	1500.8	1495.6	1488.0	1473.0	1445.2	1403.8	1357.9	1330.1	1309.0	1267.6
7.5°	1616.7	1616.7	1615.9	1606.9	1596.4	1567.0	1518.1	1458.0	1417.3	1381.2	1313.5
10°	1674.6	1678.4	1683.6	1696.4	1694.2	1678.4	1632.5	1567.8	1516.6	1474.5	1373.7
12.5°	1706.2	1708.5	1717.5	1743.8	1770.9	1774.7	1747.6	1679.9	1624.2	1567.8	1440.6
15°	1746.8	1747.6	1759.6	1791.2	1831.1	1871.0	1864.2	1796.5	1739.3	1676.9	1515.1
17.5°	1778.4	1783.7	1805.5	1842.4	1892.0	1946.9	1980.0	1937.9	1867.2	1795.7	1596.4
20°	1789.7	1793.5	1822.1	1878.5	1946.2	2023.7	2097.4	2086.1	2014.7	1930.4	1688.2
22.5°	1830.3	1830.3	1851.4	1898.8	1978.5	2091.4	2211.0	2240.3	2177.1	2078.6	1786.7
25°	1919.9	1916.9	1926.6	1946.2	2006.4	2145.6	2323.1	2411.1	2340.4	2229.8	1885.3
27.5°	2042.5	2041.0	2040.2	2043.2	2063.6	2192.9	2417.9	2570.6	2499.9	2375.0	1973.3
30°	2175.6	2171.1	2180.9	2171.9	2167.4	2249.4	2498.4	2713.5	2658.6	2518.7	2046.2
32.5°	2356.9	2348.7	2346.4	2317.1	2299.0	2337.4	2563.1	2876.0	2832.4	2673.7	2128.2
35°	2596.2	2588.7	2550.3	2503.6	2450.2	2468.3	2643.6	3034.8	3037.8	2867.8	2235.8
37.5°	2837.7	2839.2	2809.1	2699.2	2644.3	2633.8	2766.2	3228.1	3292.8	3099.5	2375.0
40°	3038.5	3047.6	3047.6	2931.7	2849.7	2839.9	2938.5	3457.6	3586.2	3383.8	2551.0
42.5°	3191.2	3199.5	3225.9	3142.3	3055.8	3089.7	3147.6	3687.8	3918.7	3735.2	2773.7
45°	3359.0	3365.8	3380.1	3331.9	3281.5	3371.8	3384.6	3963.1	4299.4	4129.4	3032.5
47.5°	3581.7	3575.7	3577.2	3541.8	3502.7	3648.6	3645.6	4194.8	4667.3	4561.2	3313.1
50°	3858.5	3869.8	3859.3	3789.3	3743.4	3876.6	3893.9	4451.3	4990.7	4988.5	3596.0
52.5°	4124.8	4129.4	4185.0	4188.0	4094.0	4066.2	4111.3	4710.1	5263.8	5379.7	3867.6
55°	4138.4	4155.7	4322.7	4443.1	4595.0	4371.6	4331.0	4956.9	5527.9	5762.6	4149.7
57.5°	3850.3	3878.1	4161.7	4421.3	4844.0	4896.0	4707.1	5275.9	5791.9	6139.5	4476.2
60°	3234.9	3292.8	3678.0	4075.2	4732.0	5272.9	5476.7	5709.2	6138.7	6524.7	4872.6
62.5°	2065.8	2088.4	2628.5	3293.6	4227.2	5236.0	6314.8	6472.8	6666.9	7026.5	5483.5
65°	1034.4	1106.6	1423.3	1965.8	3048.3	4613.8	6738.3	7871.3	7633.6	7885.6	6473.5
67.5°	701.9	725.2	885.5	1181.1	1787.5	3268.7	6475.8	9049.4	8979.4	9020.8	7529.0
70°	517.6	532.6	659.0	836.6	1081.1	1855.9	5155.5	8960.6	9438.3	9423.3	7418.4
72.5°	377.7	385.2	480.7	638.7	801.2	959.9	3148.4	7238.6	8239.2	8673.2	6487.8
75°	274.6	283.6	334.0	477.7	622.9	598.8	1554.2	5228.5	6283.2	7118.2	5285.6
77.5°	204.6	215.9	239.2	299.4	436.3	428.8	671.8	3395.1	4063.9	4649.2	3210.8
80°	147.5	149.7	163.2	191.8	276.8	251.3	319.7	1770.2	2029.7	2223.8	1258.6
82.5°	89.5	91.8	109.1	118.1	171.5	158.0	166.3	573.3	821.5	871.9	470.2
85°	26.3	27.8	49.7	54.2	71.5	67.7	67.0	233.2	278.4	355.8	185.1
87.5°	0.0	0.0	0.0	0.0	0.8	4.5	8.3	41.4	62.4	86.5	45.1
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°	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2	1214.2
2.5°	1227.0	1209.7	1200.7	1184.9	1173.6	1162.3	1151.0	1140.5	1136.0	1129.2	1130.7
5°	1248.8	1221.7	1194.6	1163.8	1137.5	1115.7	1096.1	1078.8	1071.3	1064.5	1067.5
7.5°	1281.9	1241.3	1189.4	1133.0	1091.6	1061.5	1041.2	1029.1	1025.4	1020.1	1020.1
10°	1324.0	1263.1	1172.1	1091.6	1041.9	1017.9	1008.8	1008.1	1011.8	1012.6	1011.1
12.5°	1370.7	1284.2	1146.5	1042.7	1000.6	993.0	999.8	1012.6	1025.4	1032.2	1030.6
15°	1418.8	1297.7	1102.9	996.0	970.5	980.2	1002.1	1027.6	1052.5	1065.3	1064.5
17.5°	1464.0	1300.7	1046.4	950.9	944.1	969.0	1006.6	1046.4	1080.3	1098.4	1099.1
20°	1514.4	1295.5	988.5	910.3	917.8	958.4	1008.1	1056.2	1096.1	1114.2	1118.7
22.5°	1560.3	1277.4	932.1	871.9	895.2	945.6	996.0	1041.2	1076.5	1093.8	1099.9
25°	1601.6	1242.8	870.4	839.6	877.9	927.6	965.9	997.5	1022.4	1032.9	1041.2
27.5°	1624.2	1190.9	823.8	814.0	861.4	902.0	923.1	932.8	941.1	938.1	944.1
30°	1628.7	1126.2	783.1	793.7	836.6	866.6	871.2	861.4	847.1	823.8	829.0
32.5°	1624.2	1051.7	749.3	771.9	808.7	826.8	820.8	795.2	760.6	724.5	726.7
35°	1625.7	976.5	721.5	747.8	776.4	786.2	771.1	735.7	698.9	665.8	664.3
37.5°	1642.3	913.3	698.1	724.5	744.8	746.3	729.7	692.9	674.1	649.2	646.2
40°	1688.2	866.6	677.1	701.1	713.9	713.2	694.4	668.0	680.8	672.6	670.3
42.5°	1763.4	838.1	659.8	676.3	685.3	686.8	671.8	655.3	683.1	672.6	668.8
45°	1884.5	836.6	647.7	651.5	665.8	676.3	665.8	647.0	657.5	606.4	596.6
47.5°	2028.2	862.1	638.7	629.7	654.5	673.3	656.8	626.7	604.8	558.2	551.4
50°	2201.2	914.0	630.4	606.4	637.9	662.0	645.5	604.1	571.0	546.2	542.4
52.5°	2406.6	982.5	619.9	580.0	613.1	656.0	645.5	601.8	558.2	535.6	531.9
55°	2621.8	1061.5	607.9	548.4	585.3	657.5	650.7	586.0	548.4	536.4	533.4
57.5°	2888.8	1156.3	586.0	511.6	560.5	644.0	629.7	577.0	541.7	531.9	528.9
60°	3235.6	1297.0	544.7	473.9	531.9	619.9	610.9	562.0	523.6	515.3	513.1
62.5°	3784.8	1535.4	494.3	437.8	498.0	569.5	583.0	533.4	501.0	500.3	499.5
65°	4680.0	1822.1	434.8	405.5	462.7	528.1	546.2	504.0	477.7	486.0	485.2
67.5°	5307.5	1846.9	385.9	371.6	421.3	483.0	509.3	473.9	445.4	461.2	460.4
70°	4861.3	1440.6	343.8	336.3	376.9	434.1	469.4	436.3	407.7	422.8	419.8
72.5°	4100.0	1104.4	303.9	299.4	331.8	382.9	418.3	398.7	368.6	368.6	361.9
75°	3295.1	911.0	261.8	259.5	281.4	331.0	370.9	337.8	309.9	308.4	303.9
77.5°	1889.8	597.3	219.7	218.2	224.9	276.8	288.1	281.4	260.3	250.5	247.5
80°	753.0	310.7	173.0	163.2	170.0	203.1	227.2	215.9	197.9	185.8	179.0
82.5°	291.9	155.7	121.9	106.8	116.6	146.7	164.8	161.0	149.0	121.9	114.3
85°	118.9	76.0	73.0	61.7	67.7	79.0	94.8	82.0	67.7	48.1	45.9
87.5°	31.6	27.8	27.1	16.6	12.8	3.8	0.8	0.0	0.0	0.0	0.0
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)