

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: P631597

Luminaire Tested: GWS-SA2B-722-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631597  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-722-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

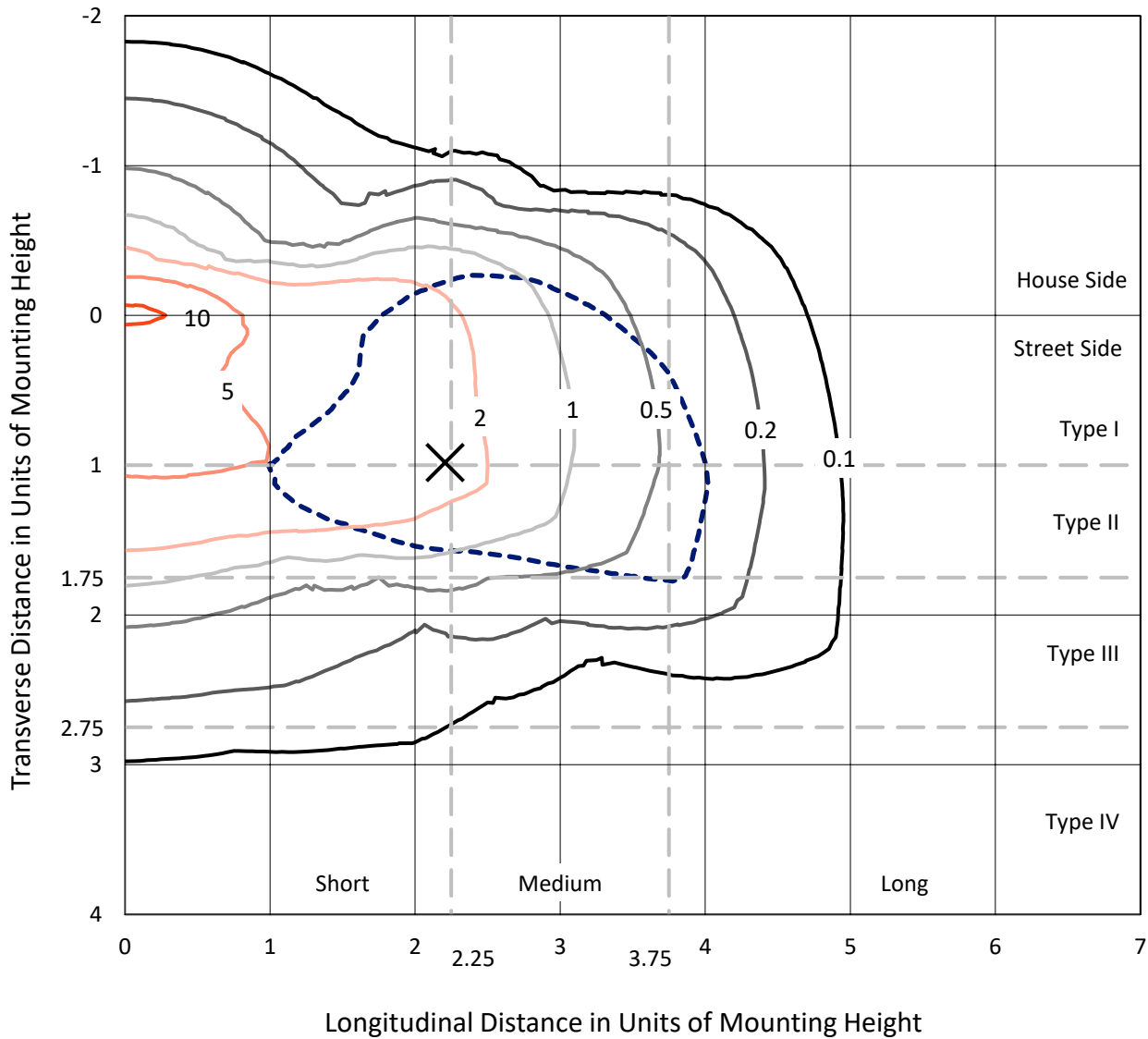
Lumens per Lamp: N/A  
Luminaire Lumens: 4995.4 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P631597  
 CATALOG NUMBER: GWS-SA2B-722-U-SL2-W

### Iso-Footcandle Lines of Horizontal Illumination

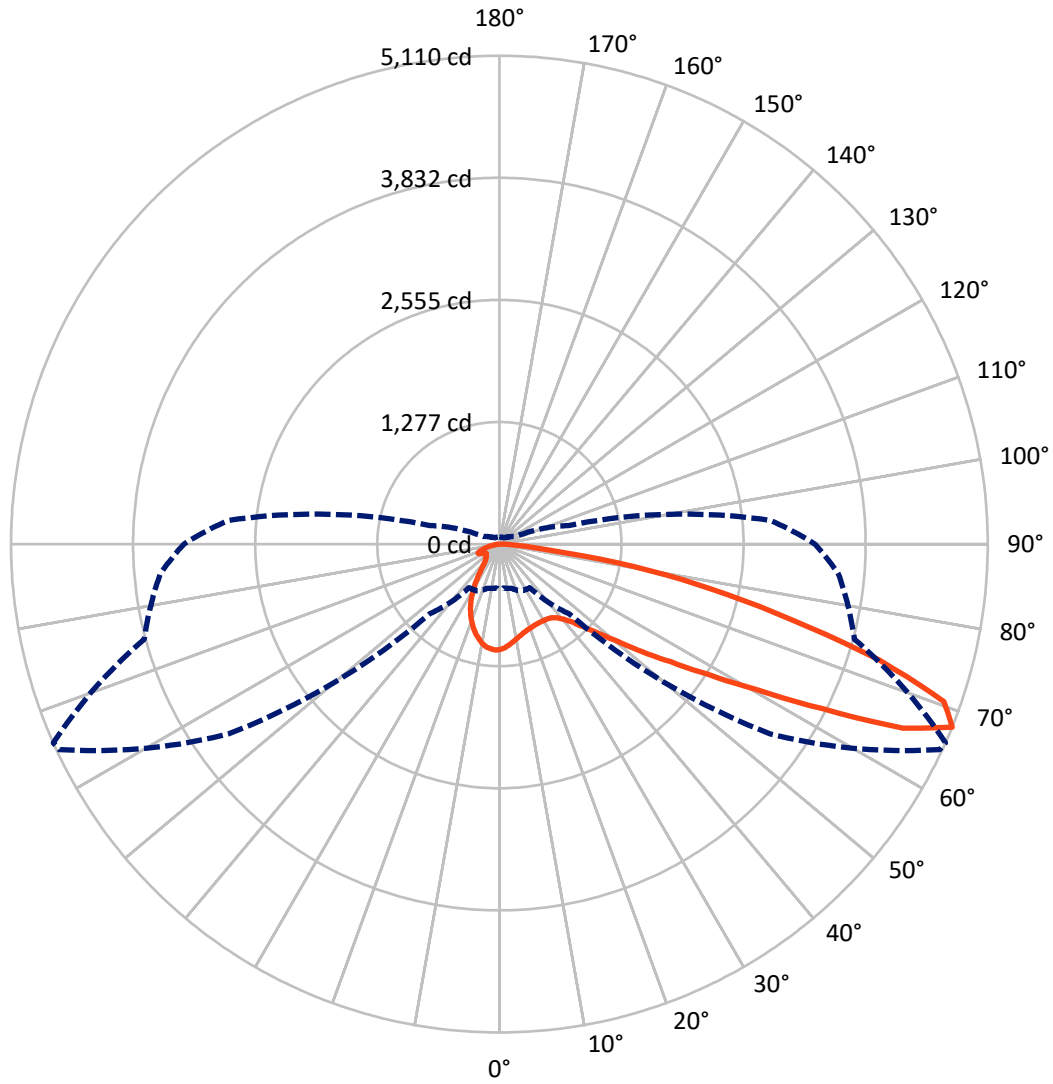
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - N/A

REPORT NUMBER: P631597  
CATALOG NUMBER: GWS-SA2B-722-U-SL2-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P631597

CATALOG NUMBER: GWS-SA2B-722-U-SL2-W

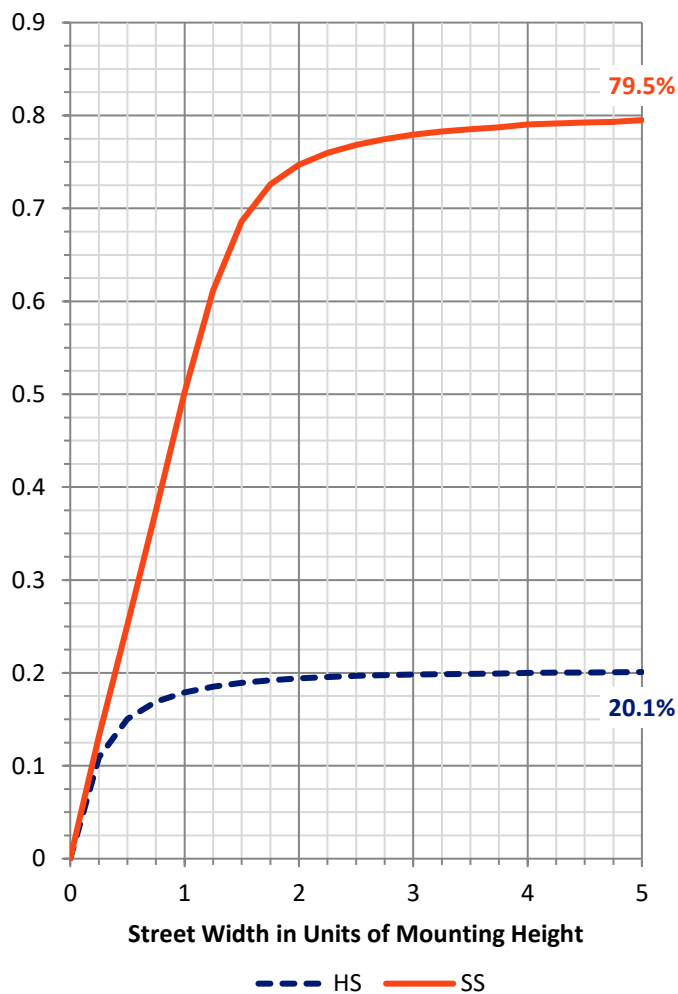
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1013.7	0.0	1013.7
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	3981.7	0.0	3981.7
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	4995.4	0.0	4995.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	1.9
10°-20°	238.1	4.8
20°-30°	327.3	6.6
30°-40°	447.4	9.0
40°-50°	677.9	13.6
50°-60°	1053.9	21.1
60°-70°	1283.1	25.7
70°-80°	781.6	15.6
80°-90°	89.3	1.8
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°	4995.4	100.0
0°-180°	4995.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P631597

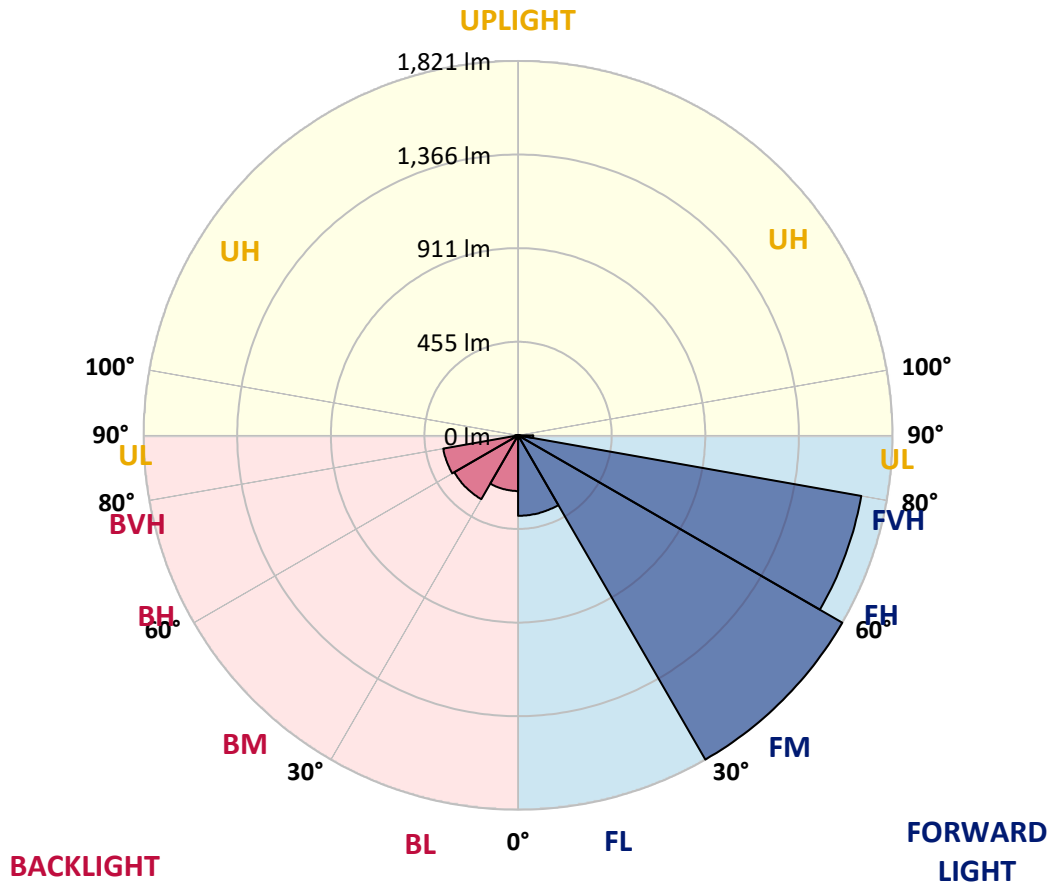
CATALOG NUMBER: GWS-SA2B-722-U-SL2-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.4	7.8			
FM (30°-60°)	1821.0	36.5			
FH (60°-80°)	1695.1	33.9			G1/1800
FVH (80°-90°)	74.2	1.5			G1/100
BL (0°-30°)	270.8	5.4	B1/500		
BM (30°-60°)	358.2	7.2	B1/1000		
BH (60°-80°)	369.6	7.4	B1/500		G1/500
BVH (80°-90°)	15.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





REPORT NUMBER: P631597

CATALOG NUMBER: GWS-SA2B-722-U-SL2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8
2.5°	1033.9	1037.5	1035.3	1049.2	1049.9	1067.4	1077.2	1085.6	1086.3	1097.3	1104.6
5°	963.2	965.4	965.4	978.5	987.2	1010.5	1033.1	1057.2	1059.0	1085.3	1105.3
7.5°	906.0	908.1	906.7	924.2	935.5	961.4	990.1	1026.9	1030.6	1072.9	1107.9
10°	861.1	860.4	864.1	880.1	894.7	925.6	957.7	999.6	1005.1	1058.7	1110.8
12.5°	830.5	831.3	833.4	850.2	865.9	896.5	929.6	975.2	981.0	1042.3	1109.3
15°	815.9	814.5	816.3	831.6	846.6	873.5	907.8	954.8	960.6	1027.7	1109.7
17.5°	812.7	811.6	811.2	822.1	833.4	858.6	891.4	939.1	945.3	1018.2	1111.9
20°	822.9	821.4	817.4	822.1	826.9	848.0	879.7	927.8	934.7	1012.0	1116.2
22.5°	850.9	848.4	842.2	836.4	830.2	842.9	872.4	919.4	926.4	1008.0	1120.6
25°	893.6	891.4	884.8	871.7	849.1	846.9	871.0	915.8	922.7	1005.1	1122.4
27.5°	952.2	949.0	942.4	923.5	886.6	861.9	876.4	915.4	922.0	1001.8	1120.6
30°	1021.8	1019.7	1016.0	993.1	943.9	893.6	888.8	918.3	923.5	1000.0	1117.0
32.5°	1092.5	1090.4	1093.3	1082.3	1021.8	946.0	915.8	926.4	930.0	999.6	1113.7
35°	1154.9	1157.4	1178.5	1180.4	1121.0	1017.1	958.4	945.0	945.7	1006.9	1115.1
37.5°	1220.1	1229.9	1257.6	1281.3	1231.8	1111.1	1021.8	979.9	979.2	1025.5	1124.2
40°	1306.5	1310.8	1346.2	1390.6	1359.7	1240.1	1111.9	1037.2	1032.0	1063.4	1148.7
42.5°	1390.6	1401.2	1457.7	1508.7	1498.5	1385.5	1225.2	1122.8	1113.7	1130.4	1199.0
45°	1497.8	1508.0	1571.4	1637.0	1655.6	1549.9	1370.2	1244.5	1235.4	1231.4	1291.2
47.5°	1604.9	1615.5	1672.3	1767.1	1832.3	1755.4	1559.0	1405.2	1390.3	1374.6	1430.4
50°	1677.1	1689.5	1743.8	1857.5	2010.5	2012.0	1782.8	1615.9	1596.9	1572.1	1626.4
52.5°	1674.5	1682.5	1734.3	1865.5	2138.8	2306.8	2082.3	1884.1	1868.8	1814.8	1862.2
55°	1543.0	1555.0	1607.1	1771.1	2152.7	2586.3	2522.5	2200.4	2173.1	2076.5	2128.6
57.5°	1278.8	1289.0	1341.4	1543.7	2029.8	2729.5	3081.6	2603.4	2565.9	2361.5	2421.6
60°	965.4	953.0	977.8	1154.9	1736.1	2733.2	3575.0	3150.1	3087.4	2666.1	2716.4
62.5°	724.5	712.1	717.6	767.5	1177.1	2512.3	3856.3	3897.9	3794.4	3010.1	3000.3
65°	572.5	565.6	581.3	615.5	686.2	1913.2	3858.5	4706.5	4641.3	3408.8	3291.5
67.5°	466.5	462.1	478.1	541.5	556.5	1028.0	3459.8	5084.1	5109.6	3845.4	3561.5
70°	375.7	369.2	394.3	477.8	517.5	622.1	2478.5	4891.7	4932.8	4105.6	3485.4
72.5°	259.5	259.8	272.6	387.0	499.6	537.2	1401.9	4073.2	4162.5	3869.8	3064.1
75°	174.9	176.4	180.0	255.5	460.3	521.1	747.1	3083.8	3146.8	3198.6	2532.7
77.5°	105.7	106.4	114.8	154.5	317.4	486.5	506.2	2235.4	2284.9	2108.6	1569.9
80°	61.2	63.8	71.4	103.5	214.3	365.5	391.8	1370.6	1426.7	937.3	498.9
82.5°	27.0	28.8	39.0	60.1	125.0	310.9	305.8	541.5	533.5	261.3	173.1
85°	4.7	5.8	8.4	19.0	45.9	164.0	237.2	239.1	224.8	99.1	71.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	35.7	64.1	63.8	28.1	24.8
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: P631597  
 CATALOG NUMBER: GWS-SA2B-722-U-SL2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8	1103.8
2.5°	1109.3	1099.5	1108.2	1109.3	1107.5	1106.0	1095.1	1085.6	1084.5	1074.3	1074.3
5°	1113.3	1104.2	1108.6	1100.2	1087.1	1073.6	1050.3	1034.2	1026.9	1013.8	1013.8
7.5°	1118.8	1109.3	1104.2	1083.4	1052.8	1023.3	985.8	954.4	941.7	923.1	922.4
10°	1123.9	1111.9	1094.4	1053.9	1005.1	958.1	903.4	858.9	828.7	806.5	806.5
12.5°	1123.5	1107.9	1073.2	1013.5	946.0	877.9	805.0	738.0	697.9	663.3	661.1
15°	1122.8	1101.3	1046.3	966.5	877.2	782.8	683.7	596.2	536.8	502.9	500.0
17.5°	1122.1	1092.9	1016.0	912.9	793.4	664.7	533.9	439.1	389.6	368.8	369.5
20°	1122.1	1083.4	983.6	851.3	696.8	523.3	391.8	322.9	310.5	311.6	312.7
22.5°	1118.8	1071.8	947.5	784.2	589.3	384.8	289.0	265.7	272.2	282.4	283.9
25°	1111.1	1052.5	905.6	709.9	461.4	280.2	235.8	231.4	243.4	256.2	259.8
27.5°	1099.1	1030.2	858.6	622.8	339.6	225.2	207.4	207.0	216.5	225.9	229.2
30°	1086.3	1005.4	809.0	525.9	246.0	196.1	189.1	189.1	193.9	199.7	199.0
32.5°	1071.4	980.3	755.8	424.9	200.4	179.7	177.5	176.4	177.1	179.3	179.3
35°	1058.7	958.1	701.2	318.1	179.7	170.6	168.4	165.8	164.7	163.3	164.0
37.5°	1053.9	940.6	644.7	239.8	169.5	164.0	160.3	156.7	154.2	153.4	153.1
40°	1061.6	933.3	588.2	197.5	162.2	157.1	153.1	148.3	146.1	146.1	146.1
42.5°	1091.5	938.8	530.6	178.6	157.1	151.2	145.4	141.0	140.3	141.0	141.4
45°	1146.1	959.9	470.8	169.1	152.7	145.4	138.5	135.2	135.2	135.9	135.9
47.5°	1243.8	1015.3	411.8	163.3	148.3	140.7	133.4	130.1	129.7	130.5	130.5
50°	1412.9	1115.1	358.6	159.3	145.0	137.0	129.7	125.4	124.3	123.9	123.9
52.5°	1626.1	1288.2	324.7	156.3	141.0	133.0	125.7	119.9	117.7	116.6	116.6
55°	1883.7	1518.9	324.7	154.2	135.9	128.3	119.9	114.1	110.8	109.3	109.3
57.5°	2175.6	1787.5	380.8	152.3	131.9	122.8	113.7	107.9	104.2	102.0	102.0
60°	2472.6	2071.4	519.7	149.8	128.3	115.9	106.8	101.3	96.6	94.0	93.7
62.5°	2780.6	2384.1	702.6	151.2	125.7	109.3	99.5	93.3	89.3	86.7	86.4
65°	3062.6	2681.8	862.6	162.5	126.1	103.5	91.1	85.6	82.4	79.1	78.7
67.5°	3302.0	2846.2	750.3	185.5	133.7	96.6	82.7	77.3	74.3	72.2	71.8
70°	3134.4	2595.4	425.6	199.7	144.3	89.3	73.2	69.6	66.7	65.2	64.9
72.5°	2680.3	2197.5	284.6	176.4	131.6	79.8	64.5	61.6	59.4	57.6	57.2
75°	2171.2	1742.7	217.6	144.7	102.4	64.9	55.4	53.2	51.0	49.2	48.8
77.5°	1284.6	1006.9	160.3	114.4	72.2	50.7	45.9	44.1	41.9	40.5	40.1
80°	410.0	349.8	101.7	78.7	47.7	39.0	35.3	33.9	31.7	29.9	29.5
82.5°	156.3	135.2	53.9	40.1	31.7	26.6	23.7	22.2	20.8	19.0	18.6
85°	69.2	64.9	29.9	21.5	17.1	13.1	11.7	10.9	9.1	7.7	7.3
87.5°	24.4	24.4	12.8	6.2	3.6	1.8	1.1	0.4	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)