

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: P632614

Luminaire Tested: GWS-SA2D-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8606.4 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

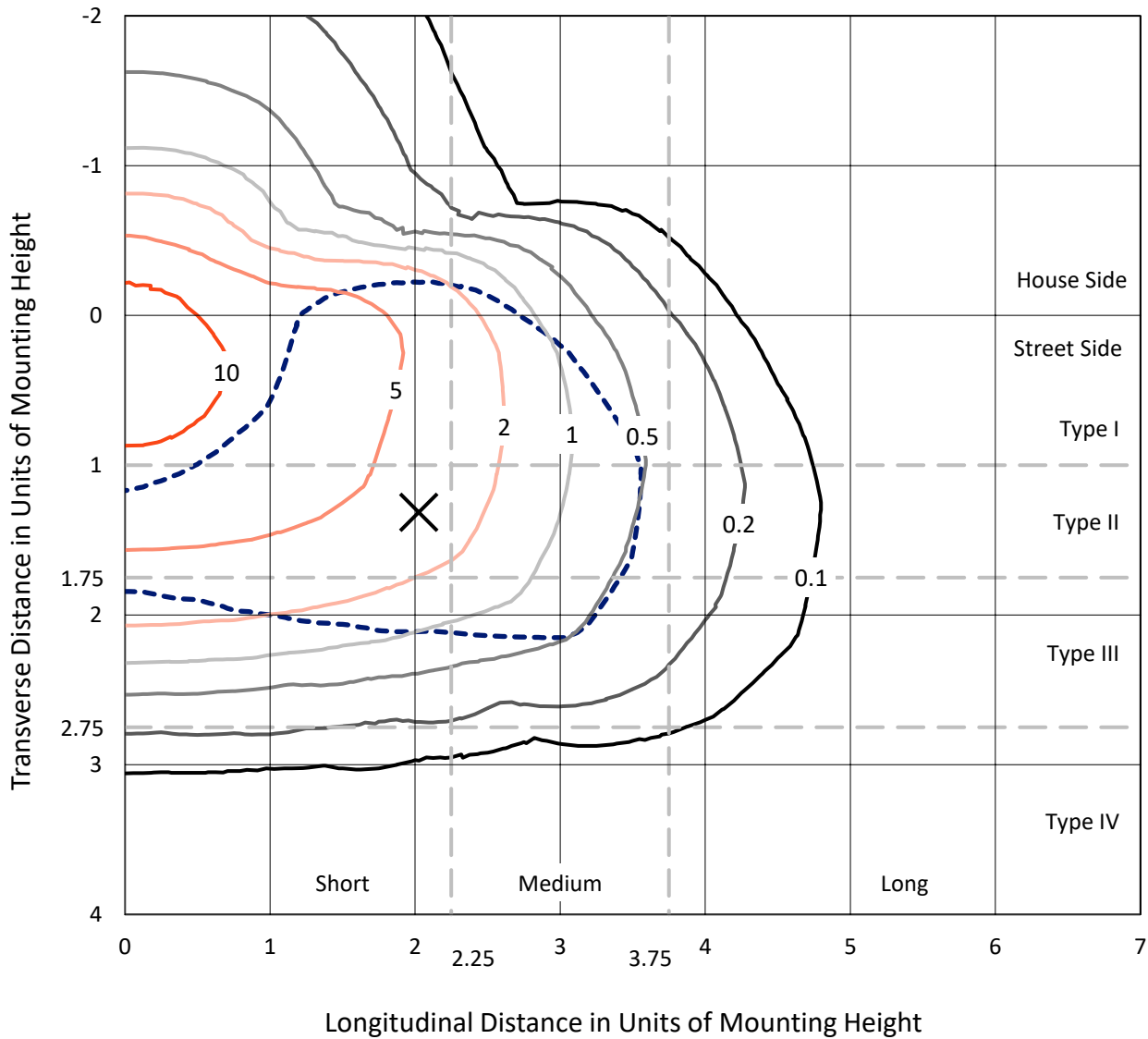
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

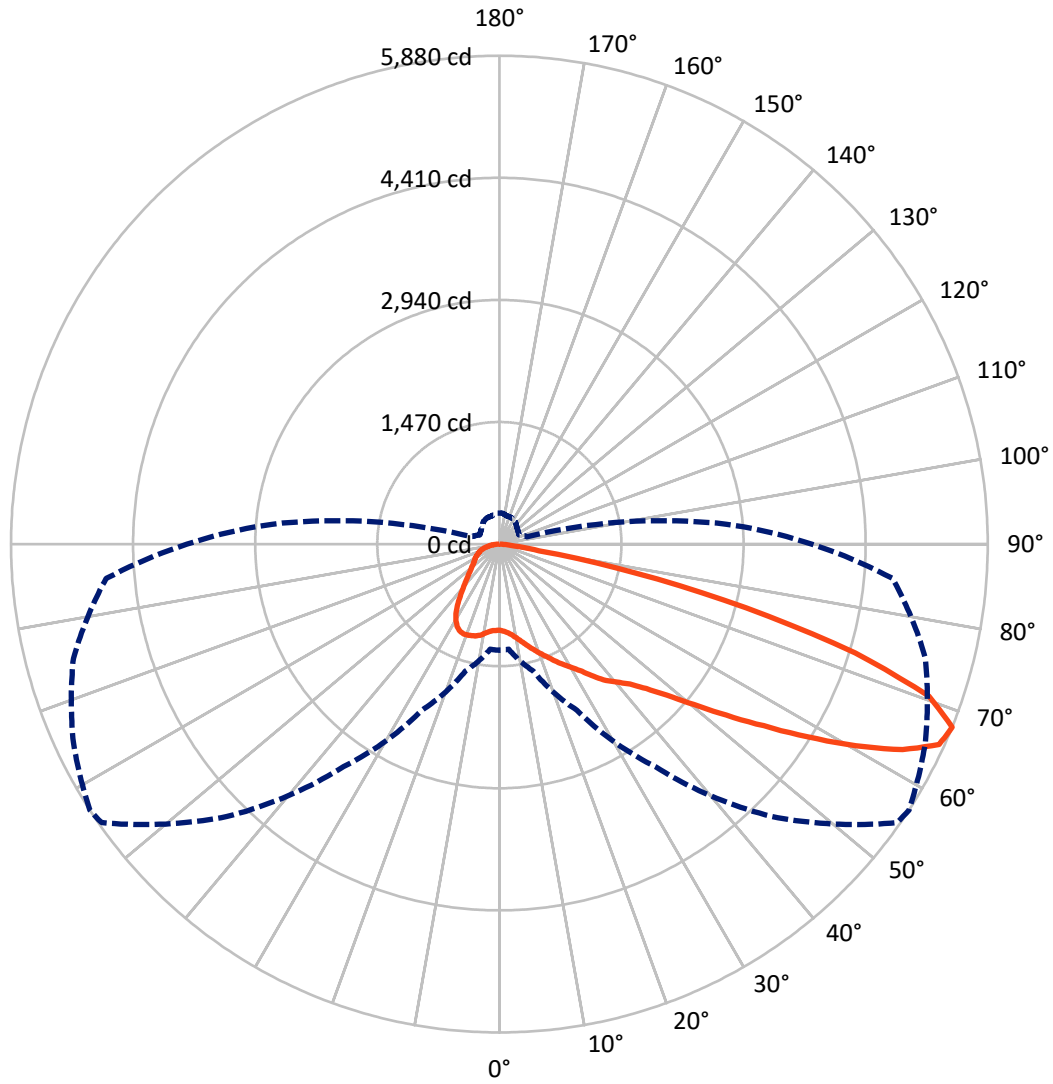
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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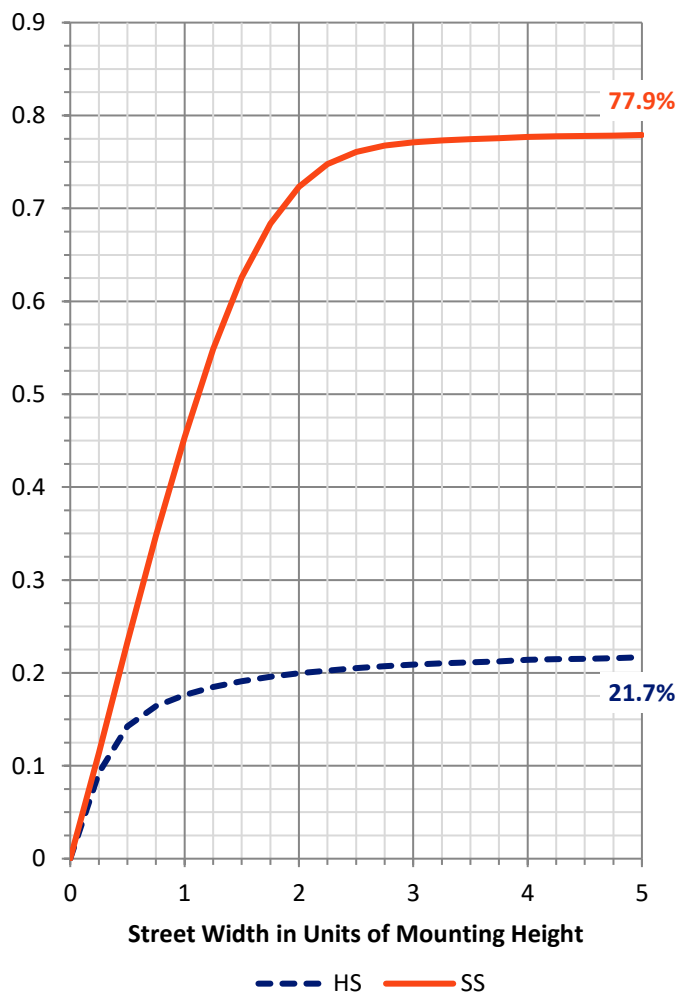
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1892.2	0.0	1892.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	6714.2	0.0	6714.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	8606.4	0.0	8606.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	1.2
10°-20°	340.5	4.0
20°-30°	607.0	7.1
30°-40°	882.5	10.3
40°-50°	1277.3	14.8
50°-60°	1999.0	23.2
60°-70°	2331.9	27.1
70°-80°	973.4	11.3
80°-90°	91.9	1.1
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°	8606.4	100.0
0°-180°	8606.4	100.0

Coefficient of Utilization



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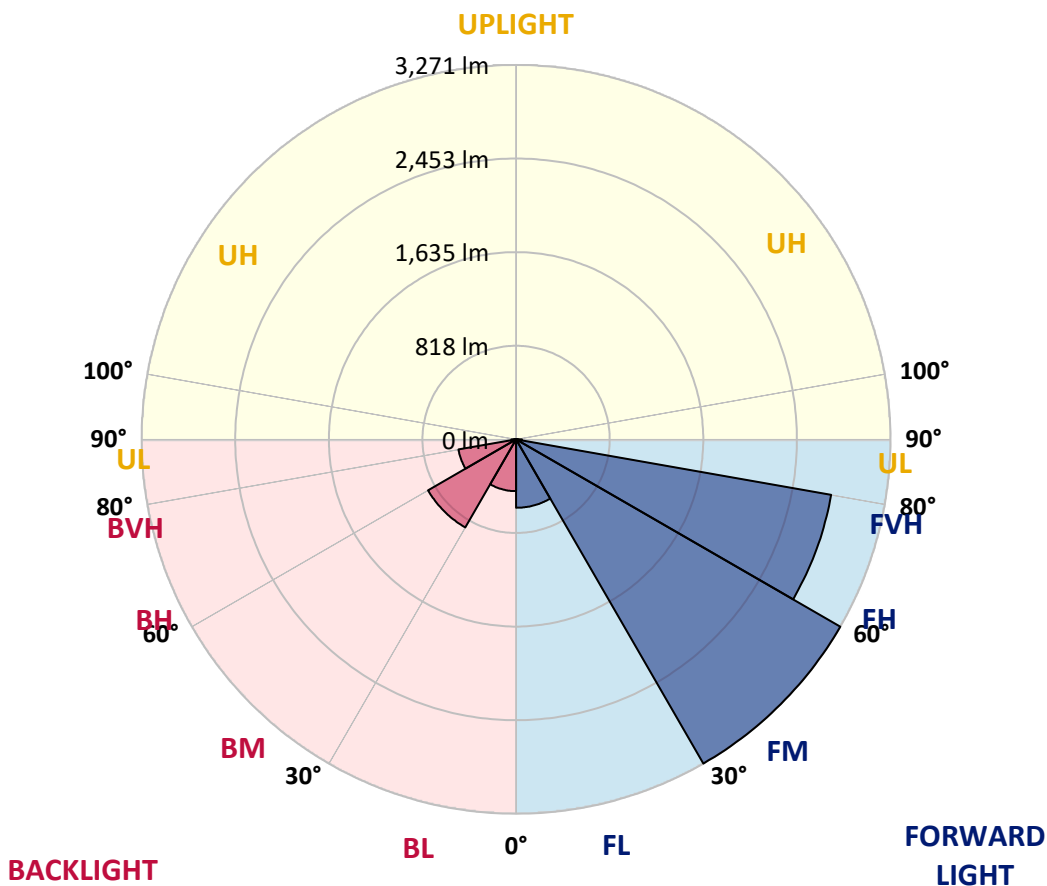
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	597.8	6.9			
FM (30°-60°)	3270.6	38.0			
FH (60°-80°)	2794.6	32.5			G2/5000
FVH (80°-90°)	51.2	0.6			G1/100
BL (0°-30°)	452.6	5.3	B1/500		
BM (30°-60°)	888.3	10.3	B1/1000		
BH (60°-80°)	510.7	5.9	B2/1000		G2/1000
BVH (80°-90°)	40.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1051.8	1050.6	1050.0	1053.7	1052.4	1051.8	1051.8	1051.2	1050.0	1045.0	1038.2
5°	1080.8	1078.3	1075.9	1078.9	1076.5	1074.0	1073.4	1072.2	1067.8	1060.4	1050.0
7.5°	1111.0	1108.5	1109.1	1111.0	1109.1	1107.9	1106.1	1104.8	1098.0	1086.3	1072.2
10°	1153.5	1153.5	1154.8	1156.6	1157.2	1155.4	1151.7	1149.8	1141.8	1127.0	1107.3
12.5°	1215.2	1214.0	1214.0	1212.7	1214.6	1212.7	1209.0	1205.9	1196.1	1177.0	1148.6
15°	1296.6	1291.6	1287.3	1279.3	1276.8	1270.1	1271.3	1269.4	1260.2	1234.3	1198.5
17.5°	1383.5	1382.9	1376.1	1360.1	1344.0	1332.9	1335.4	1334.8	1329.9	1294.7	1249.1
20°	1460.0	1463.0	1456.9	1444.5	1423.0	1402.0	1400.8	1403.9	1397.7	1362.5	1299.0
22.5°	1545.7	1543.2	1537.0	1521.0	1505.0	1482.8	1475.4	1472.9	1470.4	1430.4	1350.2
25°	1627.0	1634.4	1626.4	1611.6	1587.0	1562.9	1556.8	1559.2	1552.4	1499.4	1405.1
27.5°	1730.0	1733.1	1728.1	1707.8	1686.8	1652.9	1641.2	1641.2	1638.8	1564.2	1448.2
30°	1839.7	1848.4	1839.7	1823.1	1801.5	1752.8	1727.5	1725.1	1717.7	1630.7	1498.8
32.5°	1950.1	1956.3	1950.1	1934.1	1909.4	1866.9	1830.5	1824.9	1815.1	1703.5	1550.6
35°	2048.1	2053.7	2052.4	2056.1	2035.8	1982.2	1960.0	1957.5	1931.6	1798.4	1620.9
37.5°	2155.4	2162.2	2152.9	2160.3	2152.3	2101.8	2095.0	2082.7	2045.7	1887.8	1694.9
40°	2277.5	2283.6	2268.9	2271.9	2262.7	2234.3	2199.8	2183.2	2128.3	1984.6	1811.4
42.5°	2408.2	2422.4	2429.1	2423.6	2402.0	2386.0	2325.6	2304.6	2259.0	2159.1	2003.1
45°	2597.5	2618.4	2628.3	2614.1	2604.9	2582.1	2508.1	2482.8	2458.7	2405.1	2270.7
47.5°	2801.5	2820.6	2852.1	2858.3	2865.7	2848.4	2744.2	2719.5	2723.9	2717.7	2599.9
50°	2964.3	2980.3	3051.2	3127.1	3190.0	3194.9	3061.7	3035.2	3058.6	3078.4	2996.4
52.5°	3082.7	3096.9	3190.6	3347.2	3489.6	3595.0	3451.4	3421.2	3440.3	3484.7	3447.0
55°	3178.9	3198.6	3296.6	3537.1	3825.0	3991.5	3899.6	3861.4	3853.3	3908.2	3929.8
57.5°	3229.4	3235.6	3373.1	3685.6	4071.0	4380.5	4420.6	4377.4	4301.0	4331.2	4443.4
60°	3114.1	3124.6	3312.6	3723.9	4265.2	4766.4	4967.4	4931.7	4768.9	4785.5	4909.5
62.5°	2795.4	2810.2	3036.4	3542.0	4281.2	5024.1	5472.4	5449.6	5231.3	5141.3	5178.3
65°	2242.3	2247.3	2481.6	3091.9	3962.5	5056.2	5824.4	5818.9	5554.4	5343.5	5185.1
67.5°	1278.7	1270.1	1583.3	2205.3	3270.1	4639.4	5847.2	5879.9	5659.2	5310.2	4753.5
70°	554.3	555.5	699.8	1088.2	2116.6	3749.8	5431.1	5487.2	5355.8	4756.0	3781.8
72.5°	256.5	260.2	322.4	471.0	903.8	2326.2	4428.6	4479.1	4366.3	3806.5	2751.6
75°	181.3	184.3	215.2	270.0	415.5	906.3	2962.5	3068.5	3123.4	2847.2	1813.2
77.5°	137.5	141.8	157.2	187.4	256.5	321.2	1417.4	1670.2	1989.6	1771.3	934.1
80°	87.5	87.5	104.2	125.2	156.6	167.1	409.4	485.2	973.5	730.0	366.8
82.5°	59.2	61.0	70.9	79.5	90.0	94.9	175.7	187.4	281.1	248.5	151.1
85°	31.4	32.7	37.0	36.4	43.2	37.6	74.0	73.4	103.0	112.8	57.3
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	8.0	8.6	21.6	34.5	19.1
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°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1041.9	1034.5	1038.2	1037.0	1040.7	1040.7	1033.9	1032.1	1032.7	1025.3	1022.8
5°	1051.2	1042.6	1044.4	1041.9	1045.6	1048.7	1045.6	1045.6	1049.3	1043.8	1040.7
7.5°	1072.2	1062.3	1062.3	1059.2	1063.5	1066.0	1063.5	1067.2	1074.0	1068.5	1065.4
10°	1105.4	1093.7	1094.4	1090.7	1092.5	1091.3	1081.4	1078.3	1080.2	1075.2	1072.8
12.5°	1148.6	1132.6	1132.6	1125.2	1120.9	1107.9	1087.6	1080.2	1081.4	1077.1	1075.2
15°	1189.9	1175.1	1172.0	1157.2	1137.5	1113.5	1095.0	1090.0	1091.3	1087.0	1083.9
17.5°	1238.6	1219.5	1208.4	1181.3	1144.9	1120.2	1101.7	1090.0	1080.2	1070.3	1067.8
20°	1283.6	1259.6	1239.2	1197.3	1152.9	1119.0	1084.5	1055.5	1031.5	1018.5	1015.4
22.5°	1329.9	1299.0	1263.3	1208.4	1152.3	1096.8	1033.3	989.5	953.8	934.7	938.4
25°	1373.6	1334.8	1286.1	1218.9	1132.6	1047.5	961.2	895.8	855.1	840.3	836.0
27.5°	1410.0	1361.9	1307.1	1214.0	1091.9	976.6	862.5	789.8	750.3	733.7	729.4
30°	1450.7	1396.5	1337.3	1191.1	1027.8	877.3	750.9	691.8	663.4	647.4	648.0
32.5°	1497.6	1440.8	1379.8	1147.4	945.8	770.1	659.1	618.4	595.6	579.5	577.1
35°	1560.5	1504.3	1408.2	1081.4	841.6	671.4	596.2	562.9	534.5	513.6	509.3
37.5°	1638.1	1599.9	1411.2	993.2	730.0	603.6	551.2	515.4	480.9	453.2	450.1
40°	1771.3	1727.5	1386.0	882.9	635.0	559.8	513.6	472.3	432.2	401.4	397.0
42.5°	1961.2	1871.2	1331.7	758.3	563.5	525.3	477.8	425.4	384.7	363.1	360.1
45°	2202.9	2031.5	1250.3	641.2	510.5	491.4	440.2	385.3	363.8	348.3	345.3
47.5°	2498.8	2218.3	1156.6	549.9	469.2	460.6	402.0	371.8	352.7	339.7	336.6
50°	2852.7	2456.3	1079.6	478.4	432.2	424.8	389.7	363.8	348.3	337.9	335.4
52.5°	3256.5	2720.8	1041.9	427.3	400.1	392.7	385.3	361.9	349.0	340.9	337.9
55°	3675.8	2999.4	1006.8	387.8	373.0	377.3	386.0	368.1	358.2	347.7	344.6
57.5°	4080.8	3260.9	920.5	357.0	353.3	369.9	389.0	374.2	362.5	352.0	348.3
60°	4360.1	3403.9	774.4	332.3	338.5	360.7	381.0	365.0	350.2	345.9	344.0
62.5°	4435.4	3386.6	601.1	307.0	320.6	340.3	360.1	349.6	334.2	340.9	341.6
65°	4259.6	3201.7	451.3	282.4	297.2	313.8	338.5	334.2	328.6	347.1	347.7
67.5°	3762.1	2747.3	344.0	260.8	273.1	293.5	331.7	349.6	350.8	374.2	371.8
70°	2846.5	2052.4	269.4	240.4	254.6	293.5	353.3	361.3	346.5	368.1	363.1
72.5°	1968.0	1354.5	229.4	222.6	231.8	279.9	352.7	352.7	336.6	336.6	327.4
75°	1222.6	796.6	199.8	199.8	199.8	244.8	342.8	324.9	296.6	283.6	276.2
77.5°	603.6	387.2	167.7	173.9	167.1	204.7	279.9	265.7	248.5	234.9	230.0
80°	257.7	193.6	135.6	142.4	134.4	154.1	222.0	218.9	202.2	184.3	178.8
82.5°	118.4	99.9	108.5	111.6	98.0	115.9	162.1	162.1	152.9	128.2	119.0
85°	50.6	53.0	75.2	75.2	61.7	65.4	86.9	82.6	74.0	60.4	55.5
87.5°	17.3	25.9	38.2	33.3	12.9	5.5	3.1	1.2	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)