

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: P632035

Luminaire Tested: GWS-SA2B-830-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-830-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4669.3 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

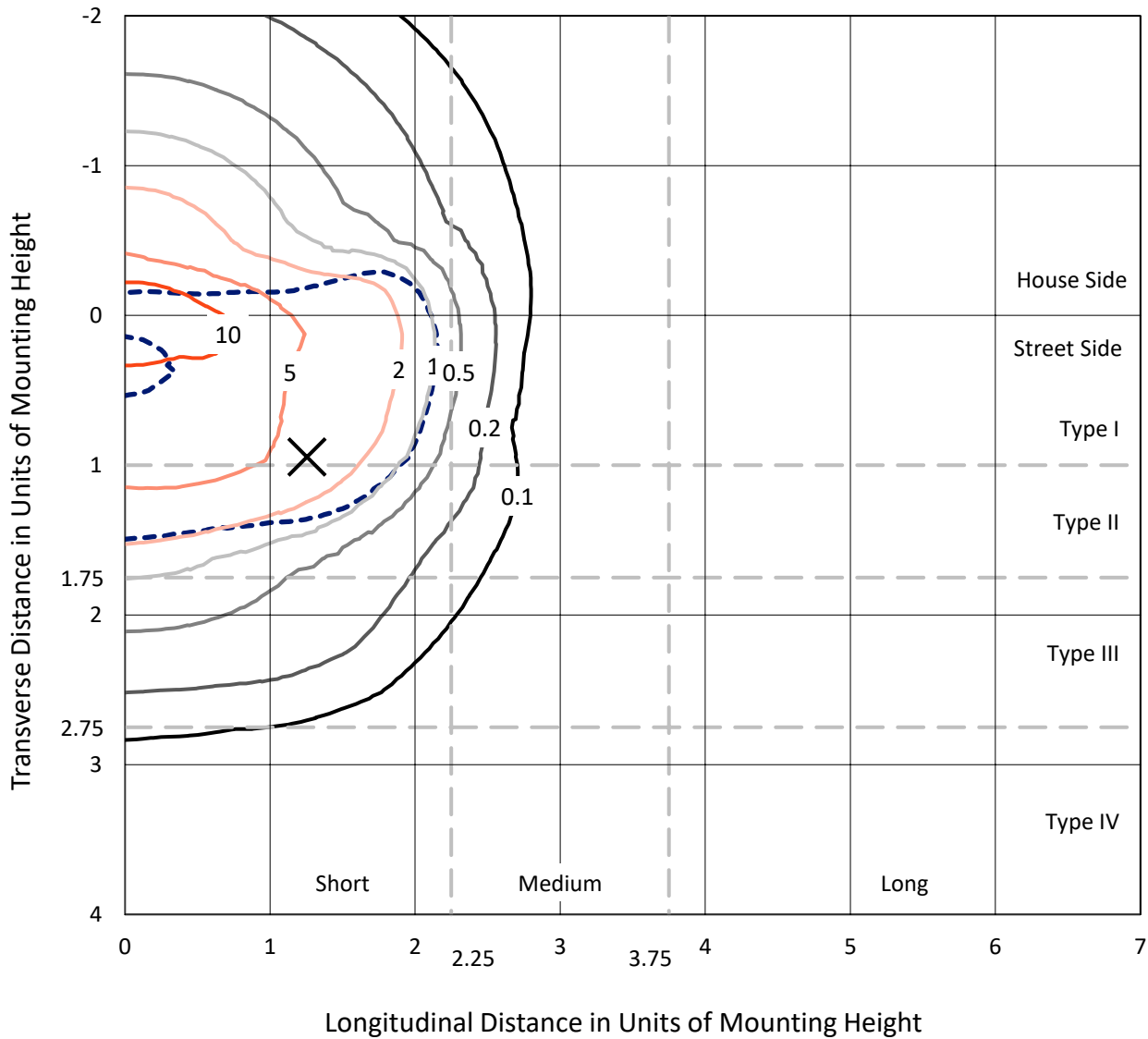
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632035
 CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

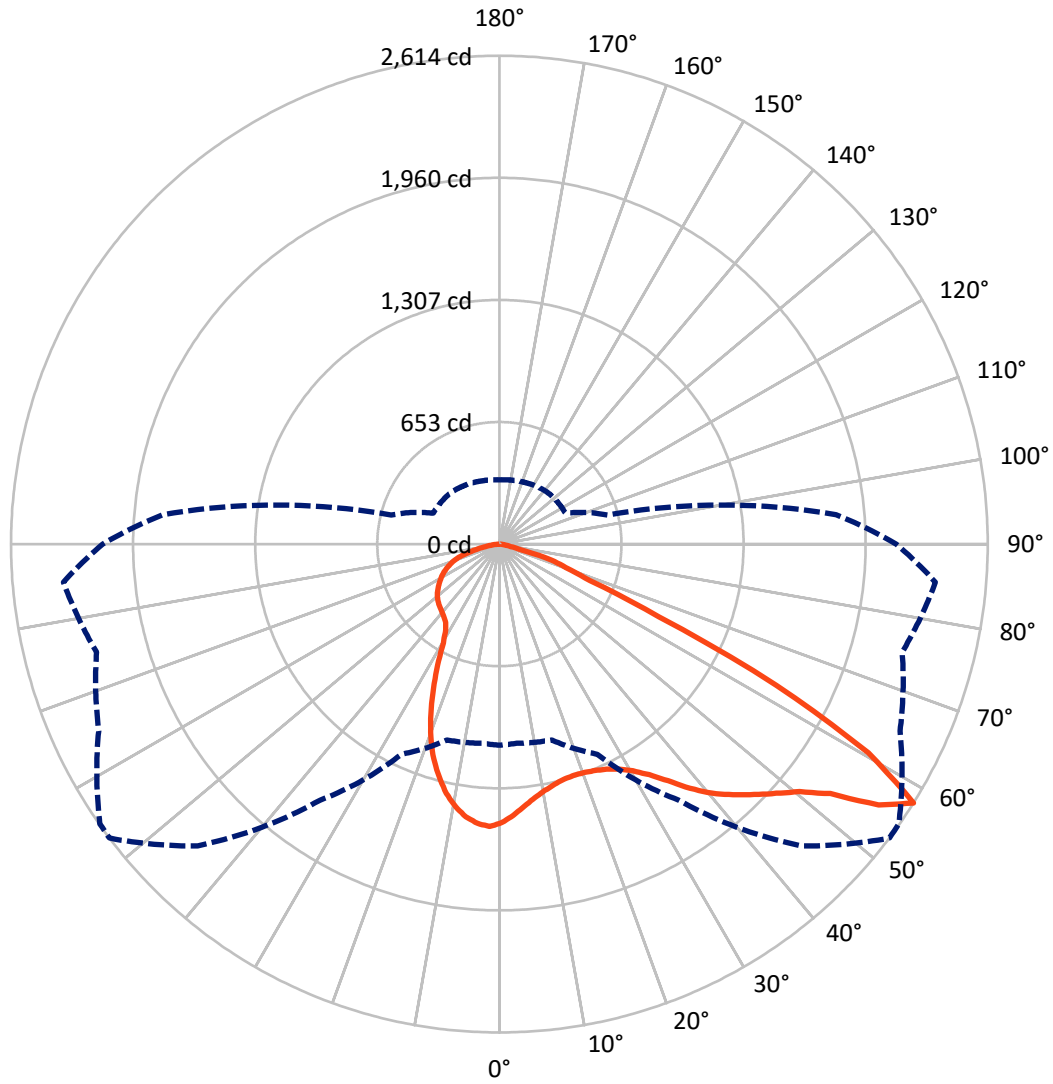
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type II - Short - N/A

REPORT NUMBER: P632035
CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632035

CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSWH

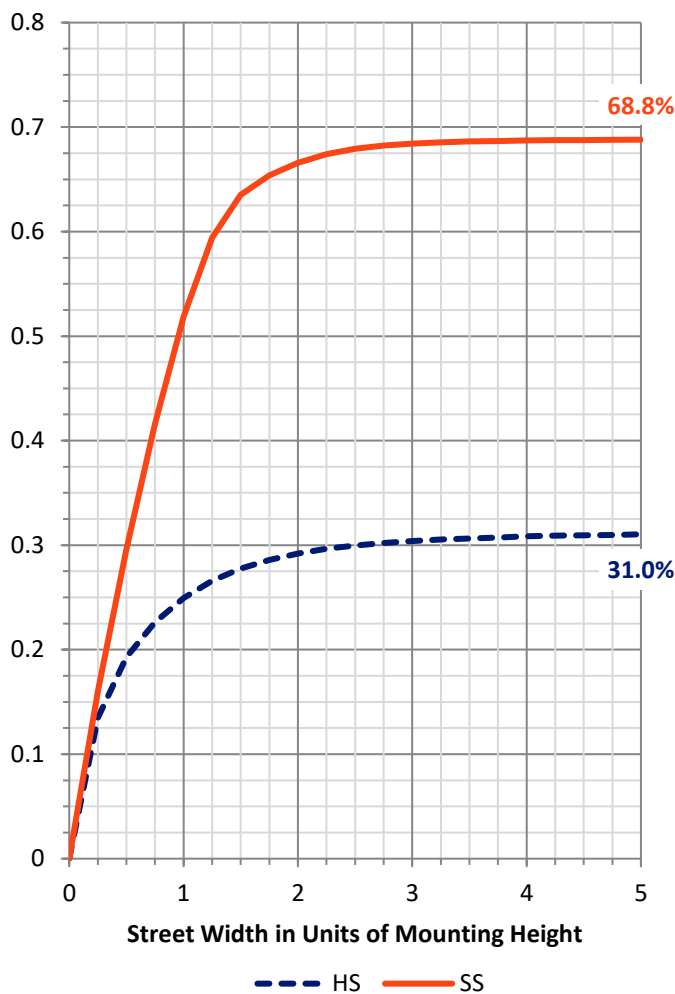
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1459.9	0.0	1459.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	3209.4	0.0	3209.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	4669.3	0.0	4669.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	2.9
10°-20°	353.7	7.6
20°-30°	521.2	11.2
30°-40°	729.5	15.6
40°-50°	959.0	20.5
50°-60°	1124.4	24.1
60°-70°	662.4	14.2
70°-80°	164.8	3.5
80°-90°	19.3	0.4
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°	4669.3	100.0
0°-180°	4669.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632035

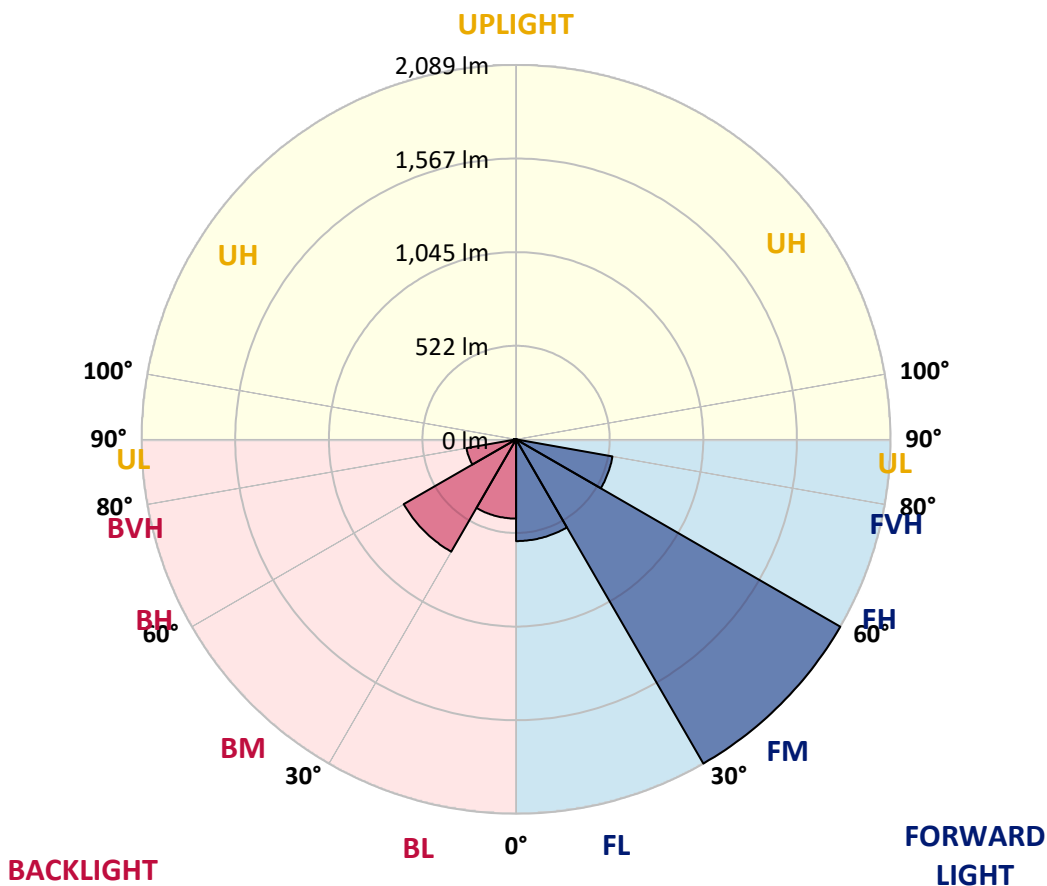
CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.7	12.2			
FM (30°-60°)	2089.1	44.7			
FH (60°-80°)	546.1	11.7			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	442.1	9.5	B1/500		
BM (30°-60°)	723.9	15.5	B1/1000		
BH (60°-80°)	281.1	6.0	B1/500		G1/500
BVH (80°-90°)	12.9	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: P632035

CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0
2.5°	1405.4	1409.3	1410.1	1422.3	1423.0	1440.7	1452.5	1450.2	1462.3	1477.3	1489.1
5°	1338.2	1338.6	1342.5	1357.0	1364.9	1388.1	1407.7	1407.7	1431.3	1462.0	1488.3
7.5°	1282.7	1282.4	1285.9	1302.0	1315.0	1342.9	1369.6	1372.7	1405.8	1450.6	1493.4
10°	1231.3	1234.0	1237.9	1257.6	1274.1	1308.7	1340.5	1345.6	1387.3	1442.7	1500.5
12.5°	1198.3	1198.6	1204.5	1226.5	1247.8	1284.7	1318.1	1324.4	1372.3	1435.2	1505.6
15°	1177.0	1177.4	1183.7	1208.1	1232.8	1270.2	1304.4	1311.4	1363.7	1434.0	1515.4
17.5°	1167.6	1167.2	1173.1	1197.5	1224.6	1263.5	1300.0	1308.7	1367.6	1443.1	1532.7
20°	1167.6	1168.0	1171.1	1193.1	1220.7	1261.9	1304.4	1315.0	1383.0	1463.5	1559.4
22.5°	1184.1	1185.7	1187.2	1202.2	1223.8	1264.3	1315.8	1329.9	1416.0	1497.7	1594.4
25°	1216.3	1216.7	1218.3	1230.5	1240.3	1271.0	1334.6	1355.8	1467.5	1547.6	1638.4
27.5°	1259.6	1265.1	1266.6	1274.5	1274.5	1287.5	1364.1	1394.7	1537.0	1619.5	1694.6
30°	1320.1	1322.0	1324.8	1333.4	1324.0	1318.5	1407.3	1446.6	1617.6	1706.4	1762.2
32.5°	1373.1	1377.5	1392.4	1406.5	1389.6	1372.3	1471.0	1517.4	1695.0	1796.8	1834.1
35°	1418.3	1428.9	1457.6	1489.1	1477.3	1460.0	1555.5	1603.8	1758.7	1861.6	1897.8
37.5°	1473.0	1481.2	1520.5	1571.6	1582.2	1574.0	1658.5	1693.0	1801.1	1878.1	1932.4
40°	1528.4	1540.9	1591.6	1662.4	1702.9	1708.8	1753.6	1776.7	1815.6	1845.9	1925.7
42.5°	1585.0	1606.6	1676.1	1758.7	1830.6	1843.9	1833.7	1843.6	1810.9	1801.5	1894.6
45°	1654.1	1679.7	1758.3	1863.6	1958.3	1979.1	1912.3	1903.3	1810.1	1784.6	1875.4
47.5°	1735.9	1761.4	1836.5	1959.1	2080.1	2095.5	1992.9	1976.4	1837.7	1810.5	1901.3
50°	1808.2	1825.9	1893.1	2030.2	2193.7	2202.8	2081.7	2061.7	1906.0	1882.5	1982.3
52.5°	1734.7	1732.7	1803.5	1972.5	2252.7	2361.5	2218.5	2199.2	2038.1	2001.9	2107.6
55°	1471.8	1449.4	1512.6	1678.9	2088.0	2502.6	2463.7	2425.2	2214.1	2122.2	2225.2
57.5°	1076.0	1069.7	1085.1	1241.1	1672.6	2284.1	2613.8	2610.3	2366.2	2232.2	2342.3
60°	841.4	832.0	791.1	795.4	1140.1	1784.2	2268.4	2372.5	2460.6	2298.3	2424.0
62.5°	747.1	740.0	718.8	660.2	679.1	1196.3	1662.8	1758.3	2150.1	2029.8	2082.1
65°	618.6	616.6	634.3	631.9	569.1	660.6	938.5	1034.8	1351.9	1368.8	1351.9
67.5°	449.6	446.1	490.9	579.3	547.8	498.7	523.1	556.5	693.2	622.5	560.4
70°	292.4	287.3	313.2	418.5	490.5	434.7	376.9	371.4	381.2	237.0	256.2
72.5°	196.1	190.2	189.8	230.3	296.3	292.8	292.0	289.2	258.2	187.1	207.5
75°	109.3	104.5	103.4	99.4	106.1	108.1	115.1	119.1	128.9	141.9	157.2
77.5°	18.5	18.1	22.8	29.1	40.1	51.5	63.7	67.2	82.9	98.2	108.1
80°	10.2	10.6	13.8	16.9	22.4	30.7	39.3	41.7	51.1	59.3	67.2
82.5°	5.5	5.5	7.1	9.0	12.2	16.1	21.2	23.2	29.5	34.6	40.1
85°	2.0	2.0	2.8	3.5	5.1	6.7	8.3	9.4	13.0	17.7	20.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.8	1.6	1.6	2.0	3.5	5.1
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: P632035

CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0	1491.0
2.5°	1498.9	1488.3	1502.8	1509.5	1511.9	1513.4	1503.2	1496.1	1493.8	1486.3	1482.0
5°	1504.4	1497.3	1511.1	1511.1	1501.3	1491.0	1470.2	1455.7	1445.4	1433.3	1431.3
7.5°	1513.8	1508.7	1516.2	1500.9	1476.1	1448.6	1412.4	1384.1	1361.3	1346.4	1346.8
10°	1526.4	1520.1	1514.2	1480.0	1434.8	1384.1	1328.7	1287.5	1249.7	1232.4	1223.0
12.5°	1534.7	1525.6	1500.9	1444.3	1377.9	1309.9	1231.7	1170.3	1115.7	1091.0	1089.0
15°	1544.9	1528.4	1478.9	1397.9	1305.5	1212.8	1112.2	1026.9	953.0	914.5	912.5
17.5°	1558.2	1531.1	1452.5	1344.8	1229.3	1092.5	966.0	858.7	780.1	750.2	755.3
20°	1577.1	1534.3	1422.7	1285.9	1134.6	955.8	798.2	699.5	669.3	667.3	663.4
22.5°	1598.3	1536.2	1389.6	1219.9	1019.8	810.0	659.5	617.4	617.0	626.8	629.2
25°	1622.3	1537.8	1352.3	1142.8	895.6	664.6	583.2	570.6	580.5	598.9	601.3
27.5°	1652.9	1540.9	1307.1	1058.3	763.6	574.2	541.2	538.0	549.8	567.1	566.3
30°	1698.1	1552.3	1259.2	961.3	628.0	531.3	515.6	516.0	520.7	529.0	530.2
32.5°	1744.1	1570.0	1212.4	852.0	550.2	507.0	499.9	499.1	499.1	502.6	503.4
35°	1787.7	1590.1	1161.7	738.0	512.5	492.8	488.1	485.7	484.6	483.8	482.6
37.5°	1812.1	1599.9	1112.2	625.7	492.4	483.4	478.7	475.5	471.2	468.1	467.3
40°	1801.5	1588.5	1054.8	541.6	480.2	474.3	468.8	464.5	458.6	455.9	454.3
42.5°	1766.1	1553.1	992.3	501.9	470.4	464.5	457.8	450.8	446.8	444.5	444.1
45°	1728.8	1510.3	916.9	478.7	461.0	453.9	446.1	438.2	433.9	432.7	432.3
47.5°	1727.6	1489.1	836.7	460.2	449.6	442.5	432.7	424.8	420.1	418.5	417.0
50°	1779.5	1510.7	746.3	444.1	437.8	430.3	419.3	410.7	404.8	402.8	402.4
52.5°	1887.2	1592.0	665.3	428.0	422.1	413.4	404.4	395.7	388.7	385.1	384.7
55°	2003.5	1695.4	615.0	411.5	403.6	396.1	387.9	378.5	370.6	365.1	364.3
57.5°	2123.8	1808.2	599.7	390.6	384.7	379.6	369.8	359.6	350.6	345.4	344.3
60°	2222.8	1905.3	628.4	368.6	365.5	358.8	349.8	339.9	333.7	329.7	328.9
62.5°	1860.8	1551.2	507.4	344.7	344.7	337.6	327.4	320.3	316.0	313.2	312.4
65°	1181.0	960.5	346.2	320.7	320.3	310.9	302.2	297.5	295.5	291.2	290.4
67.5°	514.4	439.0	295.9	296.3	294.7	284.5	275.9	272.3	268.4	263.7	263.3
70°	266.8	272.0	264.9	269.2	266.5	254.3	246.0	240.5	232.3	227.5	227.9
72.5°	215.4	220.9	228.7	235.4	229.5	219.7	206.7	200.0	189.4	184.3	184.7
75°	164.3	170.2	177.6	184.7	180.0	167.8	159.6	152.9	140.7	134.8	136.0
77.5°	113.2	116.3	125.4	125.0	123.4	119.9	107.7	99.8	87.2	80.2	81.0
80°	70.3	72.3	76.6	78.6	77.8	73.1	63.3	57.4	49.9	45.6	46.0
82.5°	42.4	43.6	47.6	47.9	47.6	44.0	36.5	32.2	27.5	25.2	25.2
85°	21.6	22.4	24.8	24.8	22.4	18.9	16.9	14.9	12.2	11.0	11.0
87.5°	5.9	5.9	7.5	6.3	5.1	4.7	2.4	2.0	0.8	0.4	0.4
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)