

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: P635080

Luminaire Tested: GWS-SA3D-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9709.8 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

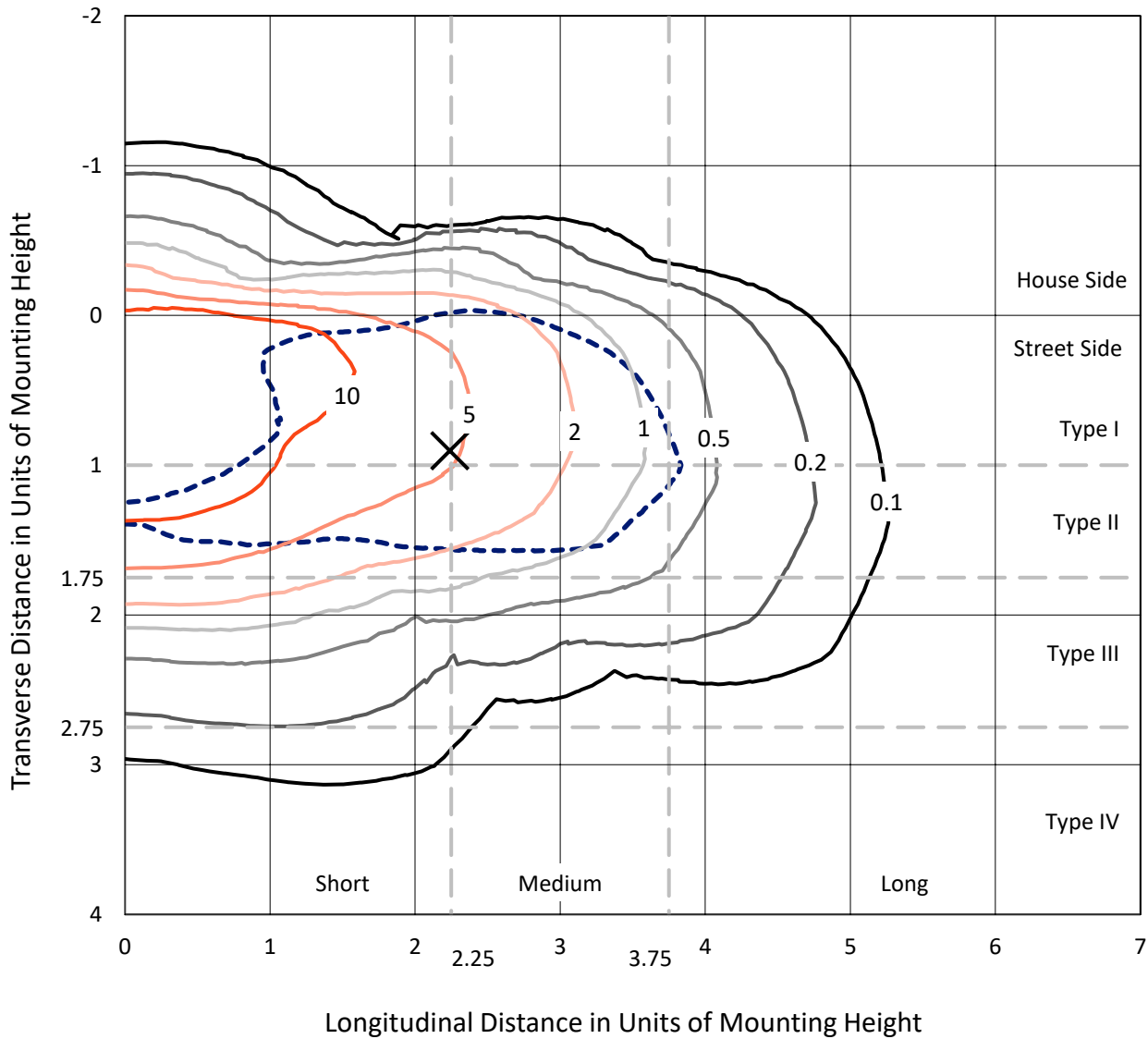
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635080
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

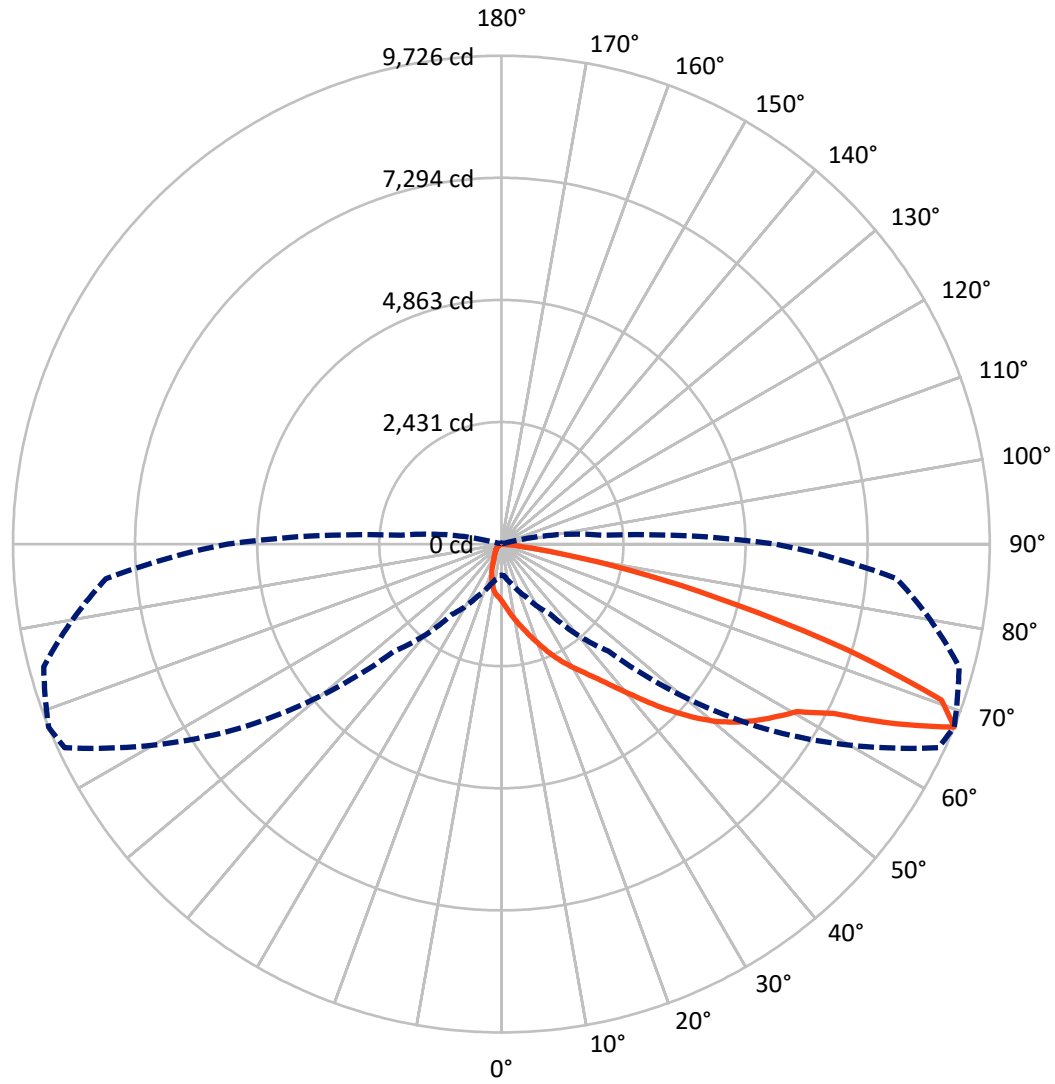
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 fc
 Type II - Short - N/A

REPORT NUMBER: P635080
CATALOG NUMBER: GWS-SA3D-722-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635080
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W-HSS

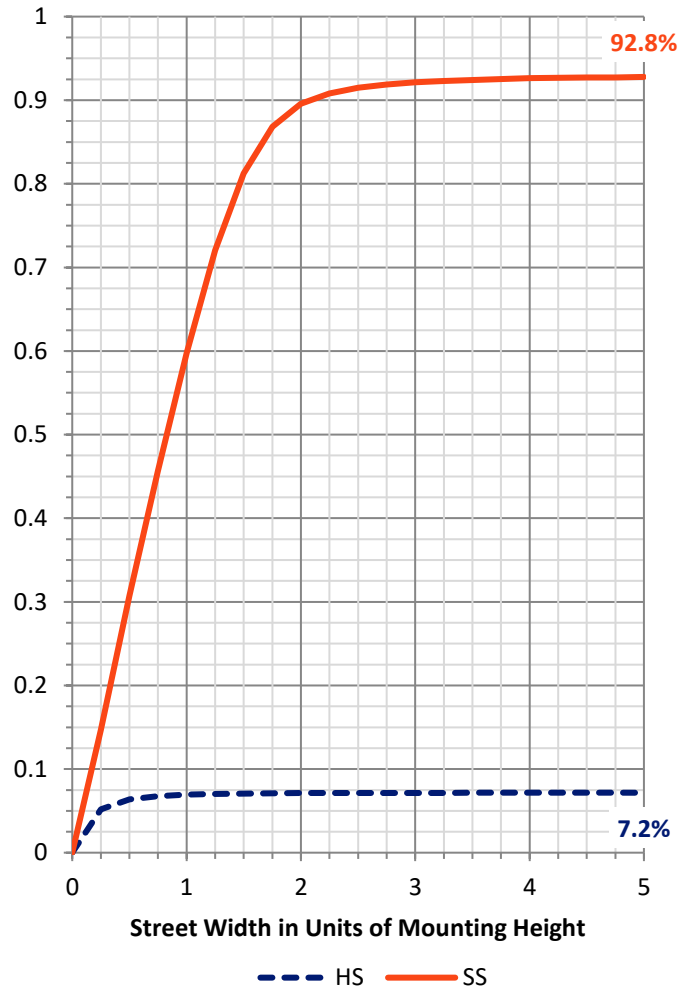
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	701.2	0.0	701.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	9008.6	0.0	9008.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	9709.8	0.0	9709.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	1.1
10°-20°	316.5	3.3
20°-30°	543.9	5.6
30°-40°	945.6	9.7
40°-50°	1650.0	17.0
50°-60°	2488.6	25.6
60°-70°	2495.4	25.7
70°-80°	1101.0	11.3
80°-90°	58.8	0.6
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°	9709.8	100.0
0°-180°	9709.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635080

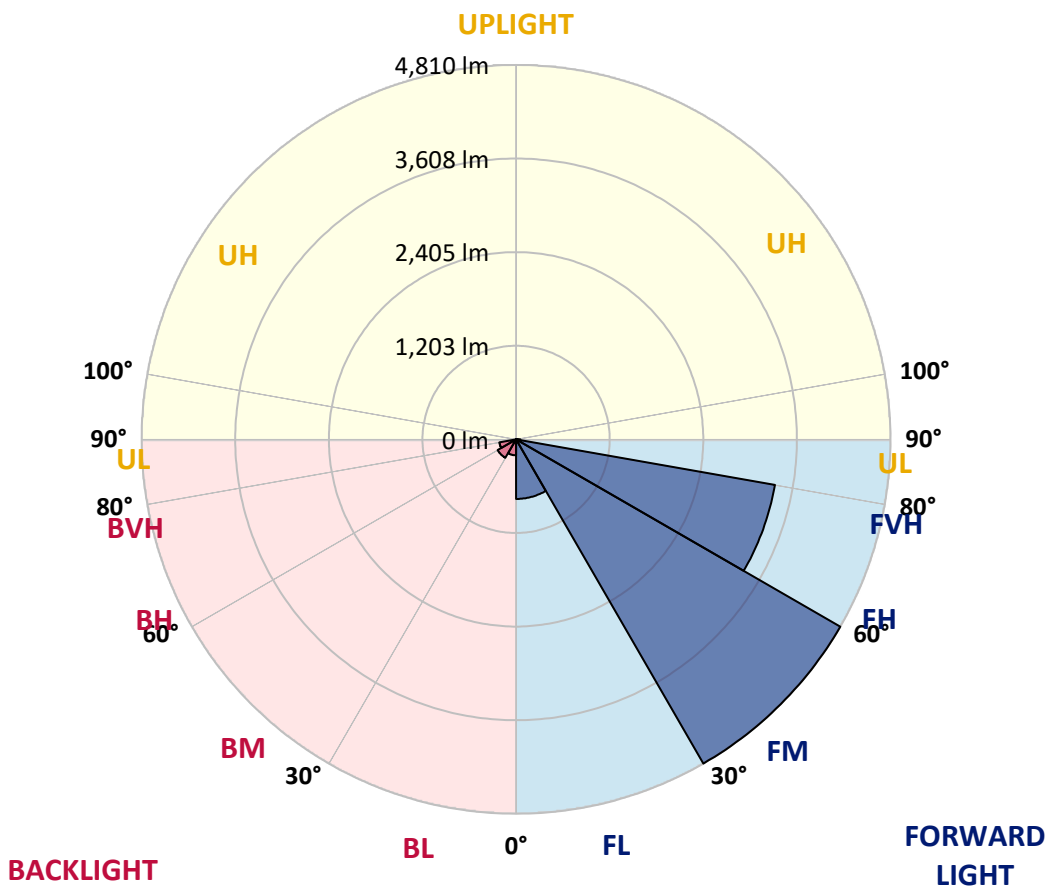
CATALOG NUMBER: GWS-SA3D-722-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	765.4	7.9			
FM (30°-60°)	4810.2	49.5			
FH (60°-80°)	3377.5	34.8			G2/5000
FVH (80°-90°)	55.5	0.6			G1/100
BL (0°-30°)	205.1	2.1	B1/500		
BM (30°-60°)	273.9	2.8	B1/1000		
BH (60°-80°)	218.8	2.3	B1/500		G1/500
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P635080

CATALOG NUMBER: GWS-SA3D-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0
2.5°	1315.8	1324.2	1315.8	1317.7	1293.5	1282.4	1258.2	1224.8	1216.4	1195.0	1162.5
5°	1476.6	1484.0	1475.7	1473.8	1445.9	1425.5	1385.5	1327.9	1311.2	1269.4	1205.2
7.5°	1563.9	1568.6	1571.4	1576.0	1565.8	1549.1	1512.8	1441.3	1423.6	1355.8	1265.6
10°	1573.2	1576.9	1590.9	1618.8	1639.2	1649.4	1629.0	1563.0	1535.1	1469.2	1340.0
12.5°	1547.2	1552.8	1575.1	1621.5	1678.2	1730.3	1743.3	1685.7	1660.6	1576.0	1427.3
15°	1512.8	1517.5	1548.1	1611.3	1696.8	1792.5	1846.4	1821.3	1793.5	1705.2	1524.0
17.5°	1459.9	1466.4	1509.1	1594.6	1705.2	1841.8	1957.9	1966.3	1946.8	1851.1	1630.8
20°	1430.1	1434.8	1472.9	1561.1	1699.6	1878.0	2062.0	2141.0	2119.6	2019.3	1753.5
22.5°	1455.2	1458.9	1484.0	1552.8	1681.0	1898.5	2158.7	2315.7	2303.6	2199.5	1882.7
25°	1587.2	1599.2	1584.4	1596.5	1689.4	1909.6	2236.7	2490.4	2493.2	2388.2	2016.5
27.5°	1854.8	1839.0	1803.7	1743.3	1754.4	1939.4	2303.6	2654.9	2679.0	2572.2	2135.4
30°	2127.1	2117.8	2096.4	2002.5	1924.5	2005.3	2360.3	2823.1	2861.2	2753.4	2241.4
32.5°	2432.8	2442.1	2404.0	2291.5	2158.7	2139.1	2418.9	2982.9	3054.5	2958.7	2365.9
35°	2798.0	2800.8	2725.5	2601.0	2450.4	2360.3	2523.9	3159.5	3291.4	3220.8	2532.2
37.5°	3153.9	3170.6	3129.7	2933.7	2799.8	2635.4	2697.6	3386.2	3572.1	3544.2	2741.3
40°	3468.9	3494.9	3481.9	3292.3	3116.7	2978.3	2967.1	3652.0	3911.2	3942.8	3017.3
42.5°	3719.8	3736.5	3746.8	3612.0	3456.8	3378.8	3299.8	3960.5	4311.7	4440.9	3355.5
45°	3984.6	3990.2	4011.6	3920.5	3784.9	3791.4	3692.9	4335.0	4733.6	4992.9	3744.0
47.5°	4322.0	4340.5	4330.3	4234.6	4112.0	4185.4	4098.9	4720.6	5149.9	5582.0	4141.7
50°	4732.7	4752.2	4742.9	4631.4	4494.8	4525.5	4471.6	5095.1	5551.4	6137.7	4472.5
52.5°	4944.6	4960.4	5075.6	5125.8	5054.2	4859.1	4789.4	5506.8	5890.5	6594.9	4776.4
55°	4842.3	4853.5	5104.4	5316.3	5578.3	5383.2	5109.0	5824.6	6189.8	6951.8	5002.2
57.5°	4418.6	4479.0	4820.0	5178.7	5729.8	5900.8	5627.6	6170.3	6477.8	7199.9	5224.3
60°	3549.8	3547.0	4035.8	4679.7	5434.3	6042.9	6359.8	6637.7	6766.8	7390.4	5521.6
62.5°	1961.7	1979.3	2629.8	3478.2	4612.8	5675.0	6909.0	7445.2	7425.7	7723.0	5987.2
65°	976.6	1012.0	1365.1	1992.3	3069.3	4689.9	7003.8	8677.4	8621.6	8506.4	6949.0
67.5°	619.8	633.8	828.9	1157.9	1706.1	3014.5	6413.7	9596.4	9725.6	9435.7	7903.3
70°	401.4	424.7	576.1	791.7	1029.6	1553.7	4698.3	9000.8	9297.2	9333.4	7308.6
72.5°	218.4	235.1	368.0	565.0	743.4	776.9	2639.1	6754.8	7231.5	7917.3	5717.7
75°	124.5	136.6	201.6	383.8	545.5	473.0	1169.9	4521.8	4825.6	5658.2	4097.1
77.5°	75.3	85.5	113.4	186.8	342.0	315.9	442.3	2752.5	2945.7	3376.0	2150.3
80°	34.4	40.9	71.6	103.1	186.8	149.6	169.1	1283.3	1325.1	1385.5	711.8
82.5°	15.8	18.6	32.5	61.3	105.9	86.4	65.0	296.4	417.2	394.9	181.2
85°	1.9	1.9	12.1	25.1	29.7	22.3	26.9	66.9	84.6	118.9	52.0
87.5°	0.0	0.0	0.9	0.9	1.9	2.8	5.6	8.4	12.1	19.5	13.0
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: P635080
 CATALOG NUMBER: GWS-SA3D-722-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0	1130.0
2.5°	1147.6	1121.6	1098.4	1064.0	1040.8	1014.7	997.1	975.7	967.4	960.8	951.6
5°	1173.6	1131.8	1075.1	1012.0	959.9	910.7	865.1	835.4	809.4	805.7	792.7
7.5°	1216.4	1154.1	1058.4	955.3	867.0	785.2	721.1	669.1	643.0	634.7	619.8
10°	1273.1	1187.6	1033.3	875.4	748.1	650.5	578.0	519.5	478.6	463.7	452.5
12.5°	1336.3	1218.3	993.4	776.9	631.9	520.4	428.4	366.1	340.1	330.8	322.5
15°	1408.8	1247.1	930.2	678.4	518.5	382.9	317.8	290.9	279.7	276.9	274.1
17.5°	1478.4	1265.6	854.9	576.1	398.7	297.4	266.7	256.5	253.7	250.9	249.0
20°	1557.4	1278.7	766.6	479.5	309.4	251.8	237.0	229.5	224.0	218.4	217.4
22.5°	1638.3	1278.7	670.9	384.7	259.3	225.8	209.1	195.1	184.9	179.3	177.5
25°	1715.4	1261.0	576.1	307.6	228.6	200.7	179.3	163.5	149.6	143.1	141.2
27.5°	1770.2	1215.5	493.4	260.2	207.2	178.4	152.4	134.7	123.6	117.1	116.2
30°	1804.6	1147.6	417.2	232.3	188.6	155.2	129.2	114.3	105.9	101.3	99.4
32.5°	1830.6	1064.0	349.4	212.8	171.0	134.7	112.4	100.4	92.9	89.2	88.3
35°	1882.7	985.0	299.2	195.1	152.4	118.0	98.5	89.2	83.6	79.0	78.1
37.5°	1955.2	919.0	259.3	179.3	134.7	105.0	89.2	80.8	76.2	71.6	70.6
40°	2062.0	877.2	229.5	163.5	118.9	94.8	81.8	74.3	67.8	63.2	62.3
42.5°	2226.5	857.7	210.0	147.8	105.0	85.5	75.3	66.0	59.5	54.8	53.9
45°	2422.6	867.9	193.3	132.0	95.7	79.0	66.9	57.6	51.1	46.5	45.5
47.5°	2632.6	904.2	179.3	117.1	86.4	72.5	59.5	49.3	43.7	39.0	38.1
50°	2851.9	963.6	167.3	103.1	79.0	65.0	51.1	42.7	37.2	33.5	32.5
52.5°	3042.4	1044.5	155.2	92.9	72.5	57.6	44.6	37.2	31.6	27.9	26.9
55°	3224.5	1120.7	145.9	83.6	65.0	50.2	39.0	31.6	26.9	23.2	22.3
57.5°	3422.4	1201.5	134.7	75.3	58.5	44.6	34.4	26.9	23.2	19.5	18.6
60°	3710.5	1321.4	118.0	68.8	51.1	39.0	29.7	24.2	20.4	15.8	14.9
62.5°	4125.9	1539.8	99.4	59.5	43.7	33.5	25.1	20.4	16.7	13.0	11.2
65°	4902.7	1911.5	81.8	49.3	35.3	27.9	21.4	16.7	13.0	9.3	8.4
67.5°	5462.2	2008.1	66.0	40.0	28.8	21.4	17.7	13.0	9.3	6.5	5.6
70°	4775.4	1442.2	51.1	32.5	24.2	16.7	13.9	10.2	6.5	4.6	3.7
72.5°	3598.1	942.3	38.1	25.1	18.6	13.9	10.2	8.4	5.6	3.7	2.8
75°	2535.9	544.5	27.9	18.6	13.0	10.2	8.4	6.5	4.6	2.8	2.8
77.5°	1300.0	224.9	19.5	13.0	9.3	6.5	5.6	3.7	3.7	2.8	1.9
80°	394.9	74.3	11.2	8.4	6.5	4.6	2.8	2.8	2.8	1.9	0.9
82.5°	90.1	24.2	6.5	6.5	4.6	3.7	2.8	0.9	0.9	0.0	0.0
85°	23.2	7.4	5.6	4.6	4.6	3.7	1.9	0.9	0.0	0.0	0.0
87.5°	8.4	4.6	4.6	4.6	3.7	2.8	1.9	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)