

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: P635308

Luminaire Tested: GWS-SA3D-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12919.6 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

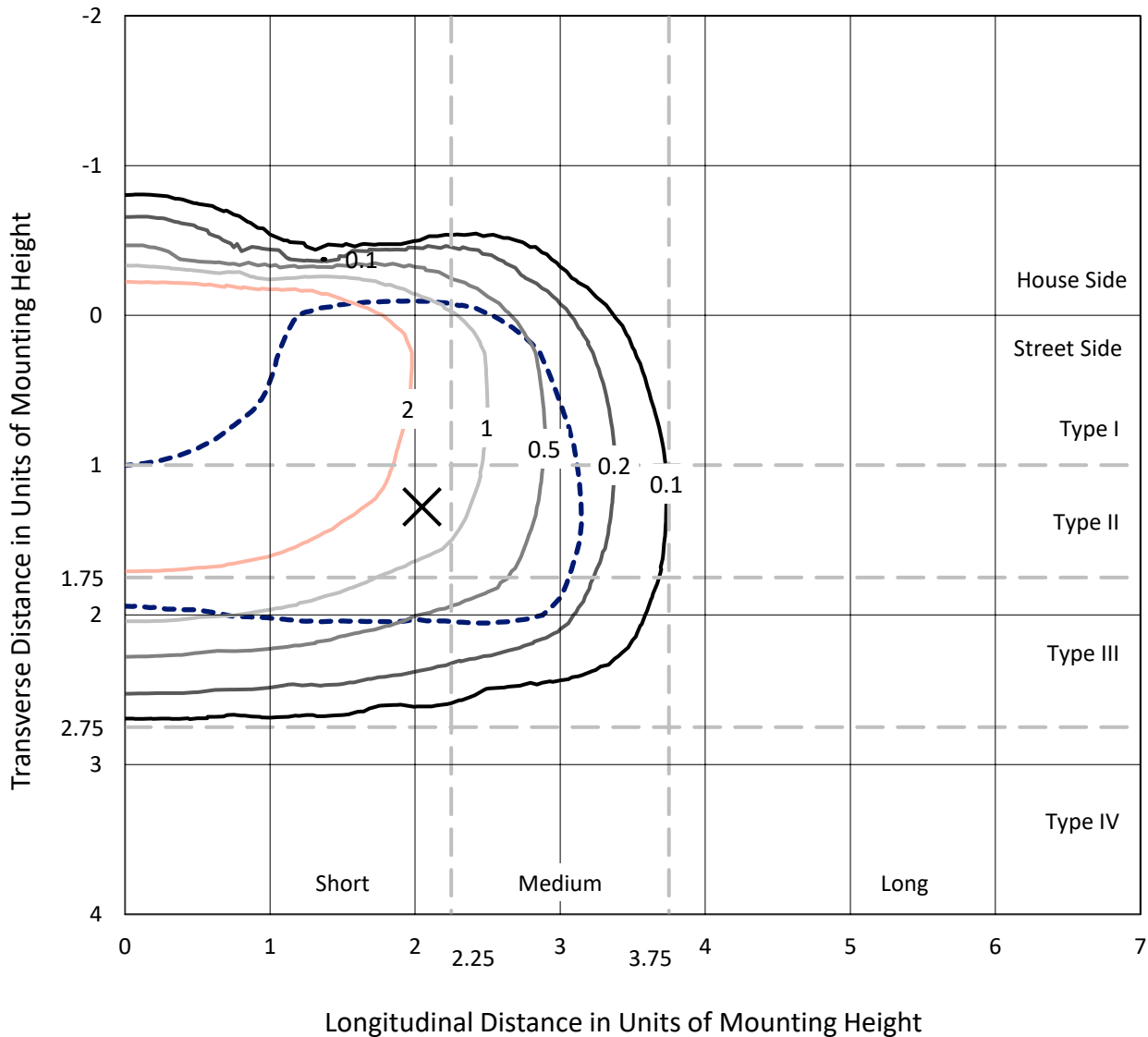
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

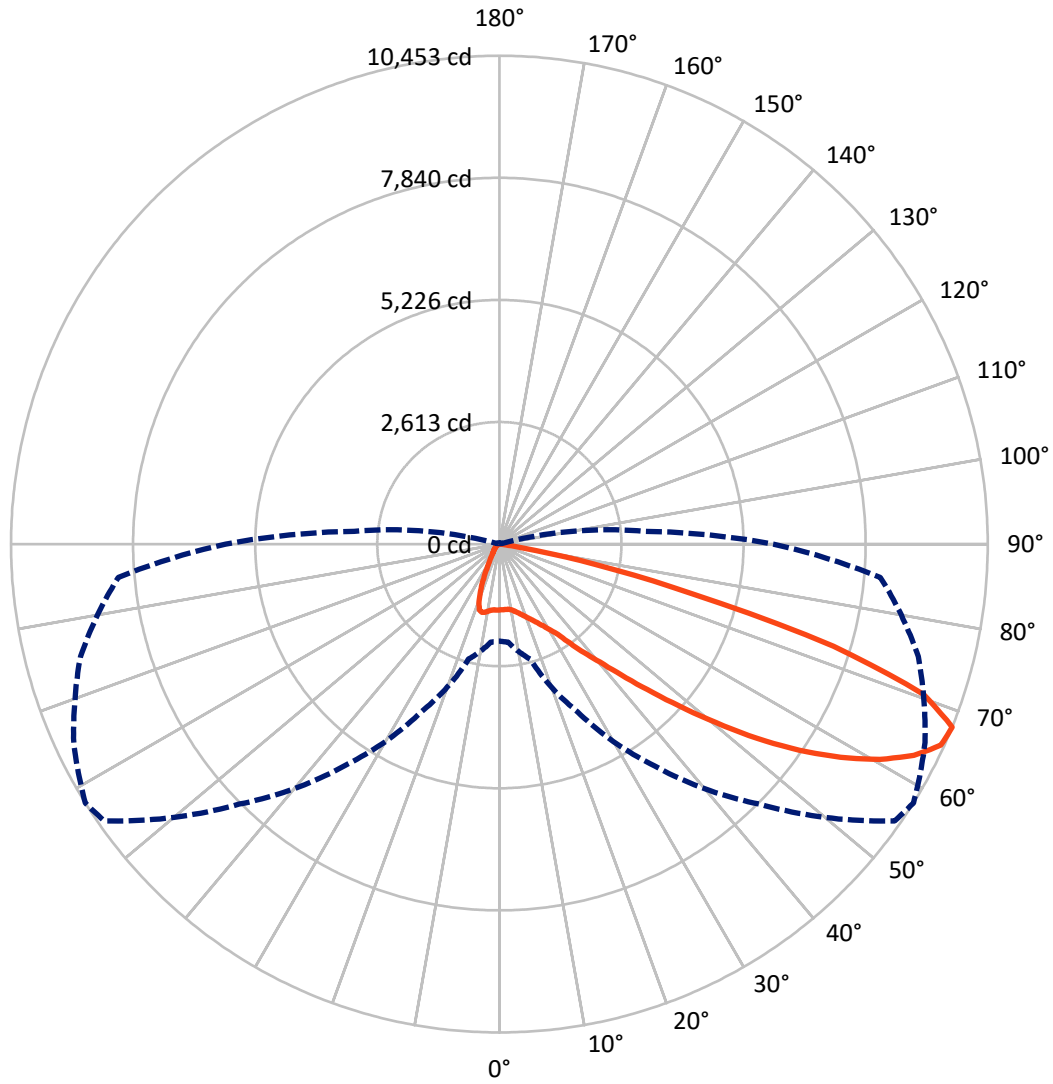
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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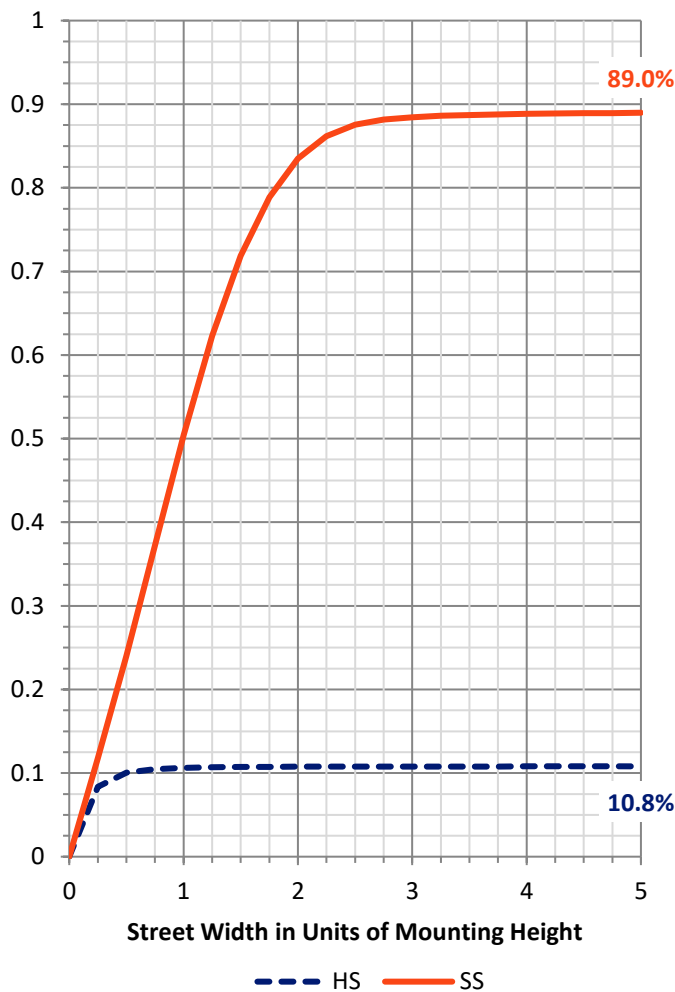
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1409.5	0.0	1409.5
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	11510.1	0.0	11510.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	12919.6	0.0	12919.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	1.0
10°-20°	371.3	2.9
20°-30°	648.2	5.0
30°-40°	1157.5	9.0
40°-50°	2115.7	16.4
50°-60°	3518.7	27.2
60°-70°	3821.9	29.6
70°-80°	1122.1	8.7
80°-90°	32.0	0.2
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°	12919.6	100.0
0°-180°	12919.6	100.0

Coefficient of Utilization



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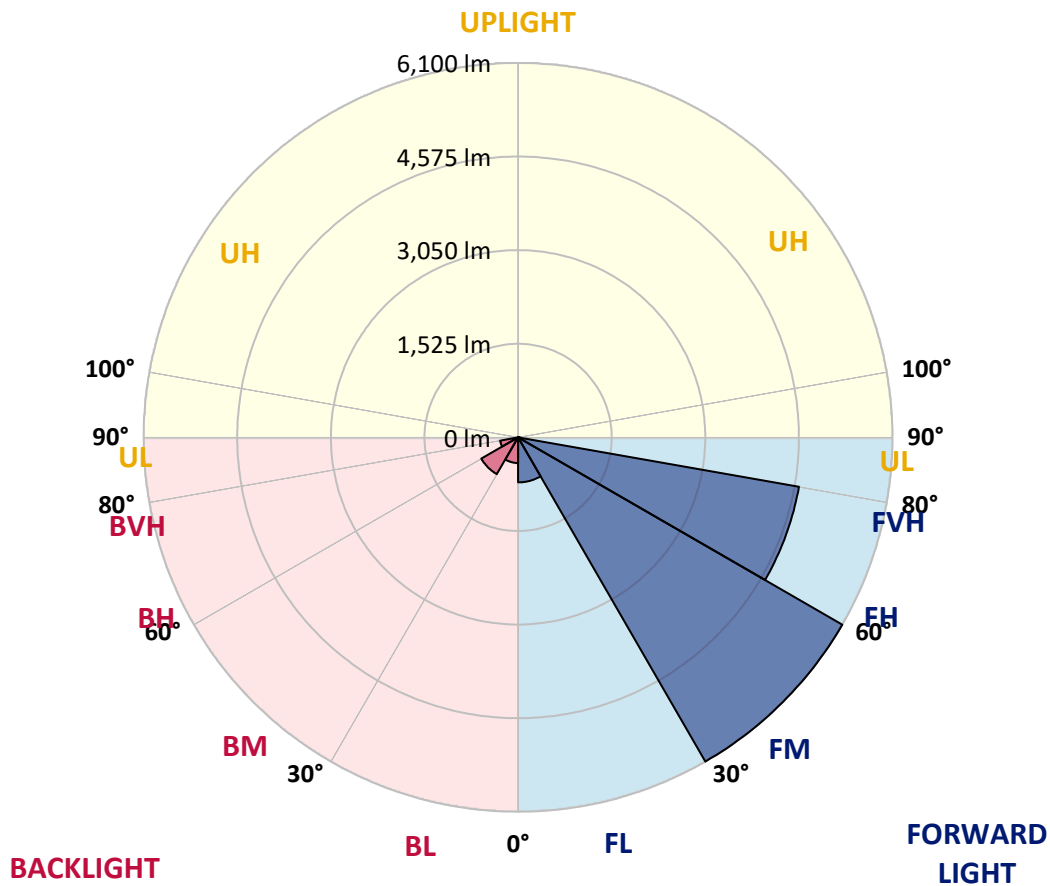
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.6	5.7			
FM (30°-60°)	6099.6	47.2			
FH (60°-80°)	4646.5	36.0			G2/5000
FVH (80°-90°)	30.4	0.2			G1/100
BL (0°-30°)	418.1	3.2	B1/500		
BM (30°-60°)	692.3	5.4	B1/1000		
BH (60°-80°)	297.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1381.4	1378.8	1378.8	1388.9	1390.2	1395.2	1406.6	1407.9	1414.2	1411.6	1402.8
5°	1309.5	1310.7	1318.3	1335.9	1351.1	1370.0	1397.8	1404.1	1417.9	1425.5	1420.5
7.5°	1242.6	1243.9	1255.2	1283.0	1312.0	1349.8	1395.2	1407.9	1435.6	1455.8	1457.0
10°	1217.4	1216.1	1227.5	1259.0	1296.8	1349.8	1415.4	1431.8	1473.4	1508.8	1515.1
12.5°	1224.9	1223.7	1235.0	1264.0	1305.7	1372.5	1450.7	1473.4	1526.4	1580.7	1592.0
15°	1255.2	1253.9	1261.5	1285.5	1330.9	1400.3	1496.2	1530.2	1597.1	1662.7	1680.3
17.5°	1346.0	1339.7	1332.2	1334.7	1361.2	1433.1	1554.2	1595.8	1679.1	1757.3	1772.4
20°	1507.5	1491.1	1470.9	1444.4	1431.8	1481.0	1621.0	1669.0	1769.9	1859.5	1862.0
22.5°	1751.0	1744.7	1698.0	1621.0	1566.8	1568.1	1699.3	1754.8	1878.4	1976.8	1962.9
25°	2090.3	2086.5	2014.6	1888.5	1747.2	1699.3	1798.9	1855.7	2007.1	2111.8	2067.6
27.5°	2511.7	2485.2	2400.7	2230.4	2019.7	1869.6	1925.1	1975.5	2143.3	2241.7	2158.5
30°	2878.8	2880.0	2800.6	2622.7	2385.5	2125.7	2079.0	2123.1	2268.2	2371.6	2270.7
32.5°	3232.0	3243.4	3156.3	2996.1	2736.2	2460.0	2299.7	2307.3	2428.4	2540.7	2418.3
35°	3560.0	3568.8	3508.3	3372.0	3129.8	2809.4	2607.6	2603.8	2669.4	2784.2	2624.0
37.5°	3927.1	3935.9	3876.6	3754.3	3527.2	3209.3	2957.0	2951.9	2978.4	3071.8	2888.9
40°	4318.2	4334.6	4269.0	4165.5	3948.5	3679.8	3363.2	3317.8	3291.3	3401.0	3232.0
42.5°	4714.3	4739.5	4716.8	4613.4	4427.9	4205.9	3890.5	3819.9	3763.1	3900.6	3721.5
45°	5206.3	5236.5	5226.5	5147.0	5003.2	4822.8	4525.1	4443.1	4416.6	4544.0	4330.8
47.5°	5679.3	5712.1	5748.7	5731.1	5628.9	5545.6	5215.1	5168.4	5160.9	5297.1	4966.6
50°	6031.3	6061.6	6201.6	6302.5	6371.9	6354.2	6067.9	5998.5	5987.1	6074.2	5637.7
52.5°	6283.6	6312.6	6505.6	6821.0	7075.8	7214.6	6925.7	6910.6	6848.8	6818.5	6265.9
55°	6479.1	6519.5	6722.6	7199.5	7712.9	8020.7	7840.3	7786.1	7627.1	7453.0	6848.8
57.5°	6518.2	6534.6	6821.0	7464.4	8207.4	8705.7	8705.7	8611.1	8304.6	8063.6	7522.4
60°	6167.5	6218.0	6605.3	7442.9	8419.3	9153.6	9423.5	9357.9	8944.1	8647.7	8170.8
62.5°	5389.2	5446.0	5917.8	6929.5	8207.4	9245.6	9967.2	9957.1	9490.4	9130.8	8708.2
65°	4132.7	4174.4	4585.6	5796.7	7311.7	8891.2	10355.8	10383.5	9921.8	9450.0	8893.7
67.5°	2076.5	2105.5	2549.5	3959.9	5795.4	7870.6	10329.3	10452.9	10053.0	9281.0	8186.0
70°	725.4	754.4	963.8	1699.3	3527.2	6009.9	9436.1	9638.0	9282.2	7922.3	6038.9
72.5°	248.5	262.4	399.9	630.8	1372.5	3562.5	7175.5	7479.5	6842.5	5318.5	3470.4
75°	141.3	150.1	214.5	341.9	575.3	1171.9	4070.9	4257.6	3988.9	2899.0	1428.0
77.5°	95.9	103.4	133.7	194.3	317.9	377.2	1660.2	2090.3	1822.9	946.1	364.6
80°	56.8	61.8	82.0	114.8	162.7	146.3	355.7	473.1	609.3	282.6	109.8
82.5°	26.5	30.3	53.0	75.7	82.0	61.8	104.7	127.4	171.6	138.8	45.4
85°	0.0	0.0	17.7	31.5	30.3	17.7	29.0	31.5	46.7	69.4	17.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.8	7.6	13.9	7.6
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°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1412.9	1404.1	1414.2	1409.1	1414.2	1412.9	1402.8	1396.5	1396.5	1385.1	1381.4
5°	1430.6	1421.7	1424.3	1412.9	1410.4	1404.1	1391.5	1386.4	1386.4	1375.1	1371.3
7.5°	1469.7	1455.8	1453.3	1430.6	1420.5	1402.8	1380.1	1371.3	1370.0	1358.7	1354.9
10°	1531.5	1515.1	1503.7	1474.7	1445.7	1410.4	1362.4	1322.1	1299.4	1269.1	1266.6
12.5°	1607.2	1587.0	1569.3	1525.2	1477.2	1397.8	1256.5	1108.9	1018.0	946.1	951.2
15°	1691.7	1672.8	1645.0	1578.2	1479.8	1272.9	977.7	750.6	639.6	580.3	577.8
17.5°	1783.8	1756.0	1710.6	1619.8	1400.3	972.6	635.8	449.1	391.1	370.9	365.8
20°	1869.6	1835.5	1778.7	1628.6	1170.7	658.5	397.4	348.2	338.1	331.8	331.8
22.5°	1960.4	1917.5	1833.0	1560.5	870.4	421.3	338.1	326.7	319.2	310.3	309.1
25°	2052.5	1997.0	1882.2	1382.6	570.2	331.8	316.6	304.0	290.1	276.3	272.5
27.5°	2130.7	2058.8	1920.0	1117.7	365.8	299.0	288.9	267.4	248.5	233.4	230.9
30°	2224.1	2132.0	1936.4	817.5	287.6	263.7	248.5	225.8	203.1	188.0	182.9
32.5°	2348.9	2248.0	1911.2	532.4	254.8	232.1	208.1	181.7	159.0	142.6	140.0
35°	2543.2	2423.4	1795.1	339.3	230.9	200.6	171.6	143.8	124.9	112.3	109.8
37.5°	2780.4	2669.4	1604.6	254.8	206.9	174.1	140.0	113.5	99.7	90.8	88.3
40°	3132.3	2977.2	1368.7	223.3	182.9	147.6	114.8	93.4	83.3	75.7	73.2
42.5°	3589.0	3340.5	1097.5	203.1	160.2	123.6	93.4	77.0	68.1	63.1	61.8
45°	4122.6	3695.0	811.2	182.9	138.8	102.2	77.0	63.1	56.8	53.0	51.7
47.5°	4668.9	4005.3	560.1	161.5	118.6	84.5	64.3	54.2	49.2	44.2	42.9
50°	5251.7	4267.7	382.2	140.0	100.9	69.4	55.5	49.2	42.9	39.1	37.8
52.5°	5679.3	4364.8	266.2	121.1	85.8	59.3	49.2	44.2	39.1	34.1	32.8
55°	6074.2	4362.3	201.8	102.2	73.2	51.7	44.2	39.1	34.1	30.3	29.0
57.5°	6467.8	4328.3	159.0	87.0	63.1	46.7	39.1	34.1	31.5	26.5	25.2
60°	6722.6	4199.6	123.6	73.2	54.2	40.4	34.1	30.3	26.5	22.7	21.4
62.5°	6857.6	4020.4	94.6	58.0	44.2	35.3	30.3	26.5	22.7	18.9	17.7
65°	6674.7	3702.5	74.4	45.4	34.1	30.3	25.2	21.4	17.7	13.9	12.6
67.5°	5863.5	3122.2	58.0	36.6	26.5	22.7	21.4	17.7	12.6	10.1	8.8
70°	4144.1	2138.3	45.4	27.8	20.2	17.7	16.4	13.9	10.1	7.6	6.3
72.5°	2274.5	1078.6	32.8	20.2	15.1	13.9	12.6	11.4	8.8	6.3	6.3
75°	875.5	296.5	24.0	13.9	10.1	10.1	8.8	8.8	7.6	5.0	5.0
77.5°	228.3	88.3	15.1	8.8	6.3	6.3	6.3	5.0	5.0	3.8	3.8
80°	73.2	29.0	8.8	6.3	5.0	3.8	3.8	2.5	3.8	2.5	2.5
82.5°	24.0	10.1	5.0	5.0	3.8	2.5	2.5	1.3	1.3	0.0	0.0
85°	8.8	5.0	3.8	2.5	2.5	2.5	1.3	0.0	0.0	0.0	0.0
87.5°	5.0	2.5	2.5	2.5	2.5	1.3	0.0	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)