

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208340

Luminaire Tested: UPW-SA1-060-740-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-740-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5224 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

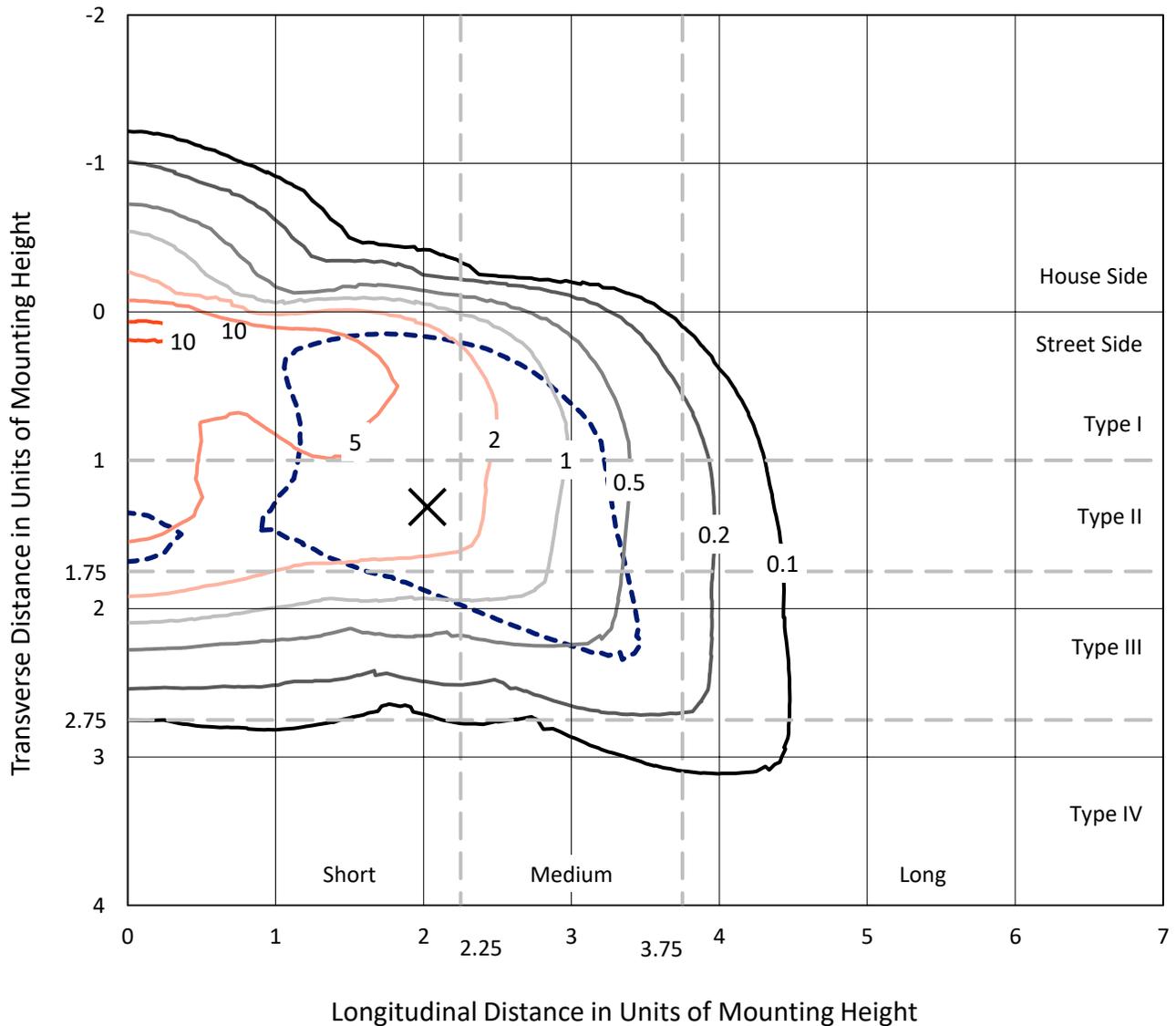
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

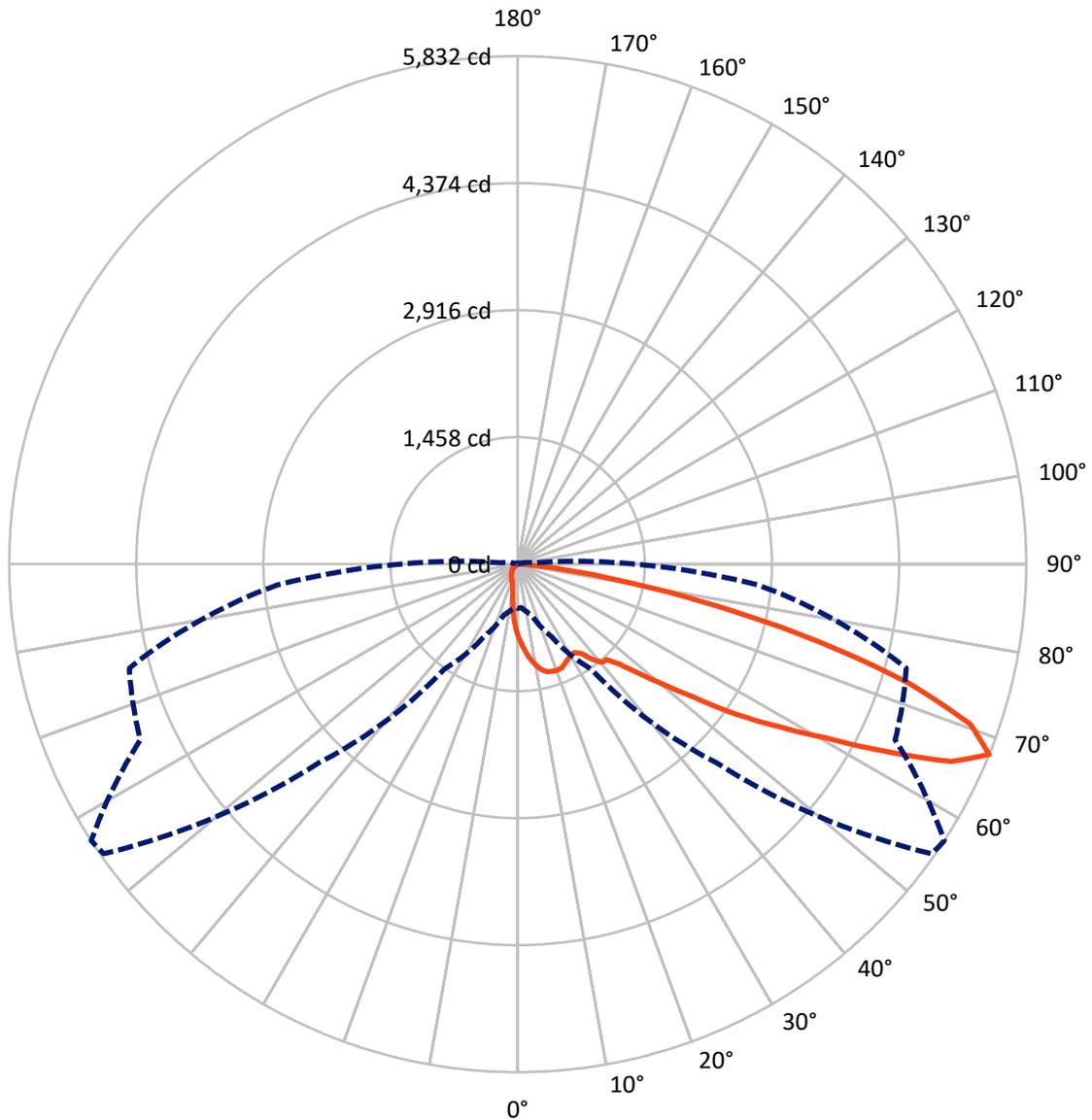
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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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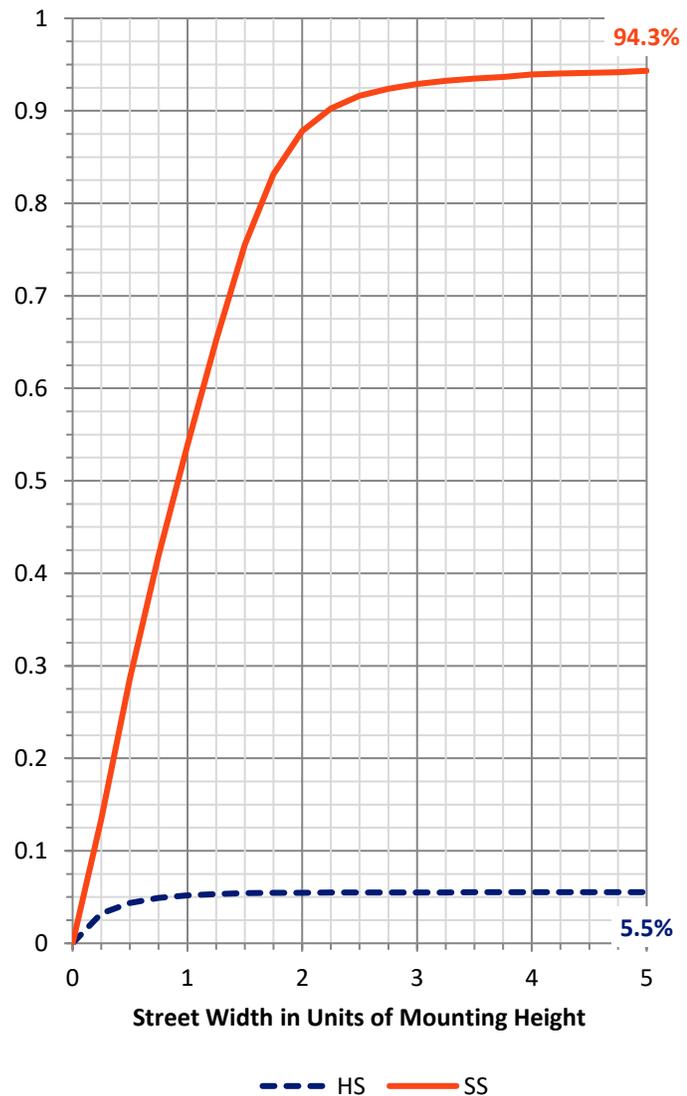
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	290.7	0.0	290.7
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	4933.3	0.0	4933.3
	% Fixture	94.4	0.0	94.4
Total	Lumens	5224.0	0.0	5224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	1.4
10°-20°	194.3	3.7
20°-30°	284.4	5.4
30°-40°	427.7	8.2
40°-50°	697.7	13.4
50°-60°	1320.6	25.3
60°-70°	1509.1	28.9
70°-80°	658.7	12.6
80°-90°	56.9	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°	5224.0	100.0
0°-180°	5224.0	100.0

Coefficient of Utilization



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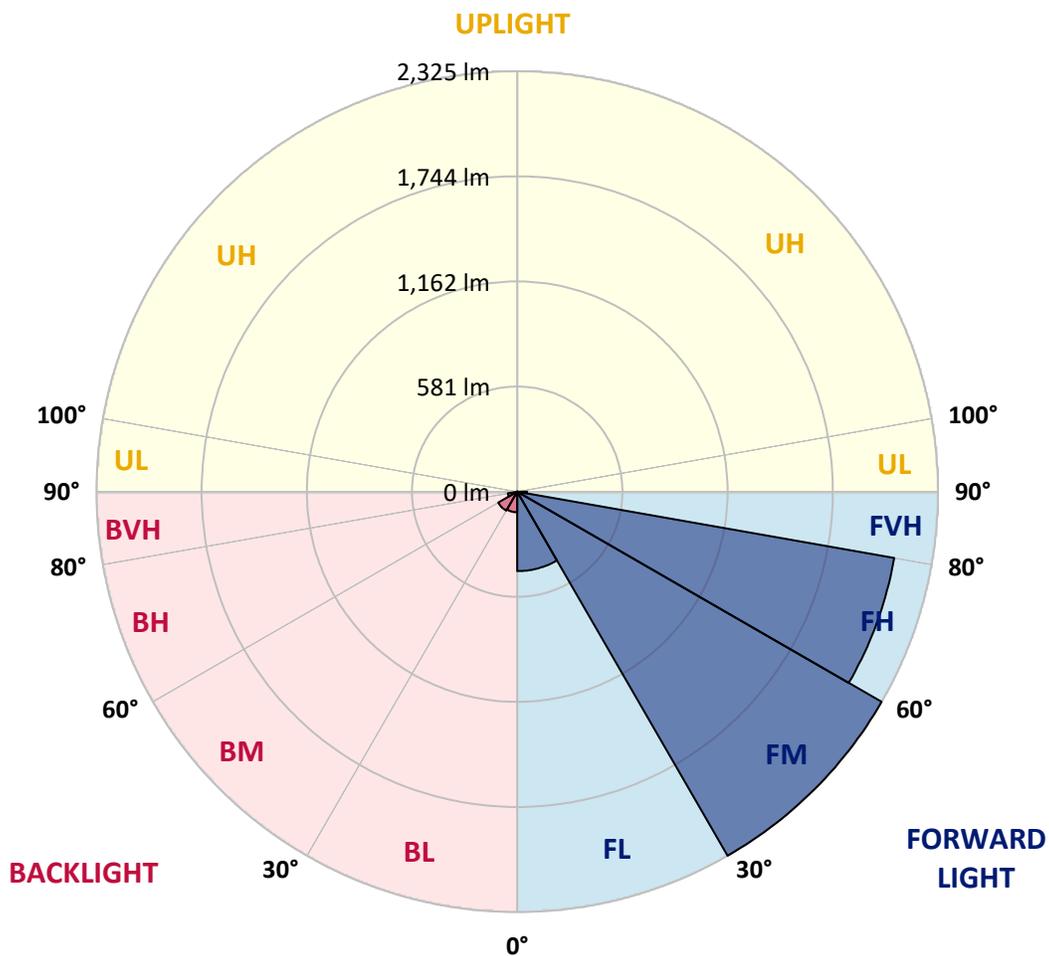
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.3	8.4			
FM	(30°-60°)	2324.8	44.5			
FH	(60°-80°)	2115.1	40.5			G2/5000
FVH	(80°-90°)	54.1	1.0			G1/100
BL	(0°-30°)	114.1	2.2	B1/500		
BM	(30°-60°)	121.1	2.3	B0/220		
BH	(60°-80°)	52.7	1.0	B0/110		G0/110
BVH	(80°-90°)	2.8	0.1			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°	57°	65°	75°	85°
0°	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1
2.5°	981.1	989.2	992.5	978.7	965.7	956.0	936.5	924.4	905.7	883.0	851.4
5°	1125.4	1124.6	1116.5	1106.0	1100.3	1069.5	1037.1	1024.1	994.1	937.3	875.7
7.5°	1179.8	1184.6	1190.3	1183.8	1174.1	1157.9	1119.8	1110.0	1066.2	992.5	905.7
10°	1154.6	1162.7	1172.5	1189.5	1221.9	1227.6	1198.4	1187.9	1135.2	1054.1	930.8
12.5°	1038.7	1050.8	1067.1	1122.2	1197.6	1244.6	1251.1	1247.9	1203.3	1109.2	948.7
15°	884.6	871.6	913.8	990.0	1114.1	1221.9	1280.3	1282.7	1260.0	1161.1	968.1
17.5°	768.7	780.8	799.5	857.1	986.0	1140.8	1276.3	1291.7	1302.2	1216.3	990.8
20°	749.2	750.0	758.1	789.8	857.1	1043.5	1262.5	1299.0	1354.1	1270.6	1000.6
22.5°	767.9	763.0	767.1	773.5	815.7	944.6	1233.3	1292.5	1384.9	1337.9	1020.8
25°	792.2	797.9	790.6	782.5	806.8	900.0	1199.2	1260.0	1431.1	1397.9	1029.8
27.5°	860.3	863.5	844.1	814.9	823.8	879.8	1146.5	1234.1	1500.9	1465.2	1044.4
30°	971.4	968.1	927.6	879.8	859.5	892.7	1113.3	1205.7	1538.2	1517.1	1037.1
32.5°	1054.1	1047.6	1007.9	958.4	922.7	942.2	1113.3	1209.0	1613.6	1607.9	1050.8
35°	1128.7	1123.0	1073.5	1033.8	1003.0	1020.8	1175.7	1261.7	1721.4	1776.5	1099.5
37.5°	1209.8	1194.4	1155.4	1086.5	1076.8	1145.7	1310.3	1381.7	1892.5	1933.0	1101.1
40°	1337.9	1324.9	1262.5	1191.1	1138.4	1239.0	1415.7	1483.8	2013.3	2058.7	1094.6
42.5°	1513.8	1483.0	1406.0	1302.2	1217.9	1289.2	1427.9	1498.4	2104.9	2254.1	1157.1
45°	1705.2	1696.3	1589.2	1455.5	1366.3	1357.3	1556.8	1634.6	2308.4	2569.5	1292.5
47.5°	1981.7	1912.0	1770.9	1628.2	1551.9	1491.9	1754.6	1873.0	2556.6	2938.5	1494.4
50°	2272.8	2232.2	2017.4	1820.3	1727.1	1705.2	2067.6	2174.7	2874.4	3353.6	1830.9
52.5°	2769.0	2675.8	2385.5	2137.4	1976.0	1954.9	2408.2	2545.2	3232.8	3849.0	2170.6
55°	3103.1	3045.5	2753.6	2566.3	2354.7	2290.6	2890.6	3040.6	3671.5	4281.2	2510.3
57.5°	3210.1	3139.6	2876.8	2831.4	2782.8	2819.3	3390.9	3515.8	3975.5	4618.5	2811.2
60°	2781.2	2778.7	2628.7	2747.1	2987.9	3409.6	3982.0	4037.2	4222.0	4825.3	2998.5
62.5°	2000.3	1993.8	2023.8	2317.4	2766.6	3809.3	4795.3	4733.7	4436.1	4940.4	3099.8
65°	1037.1	1041.9	1192.7	1579.5	2225.7	3778.5	5539.6	5461.8	4568.2	4869.9	3028.5
67.5°	506.0	501.9	600.0	918.7	1470.0	3226.3	5795.0	5831.5	4775.8	4611.2	2770.6
70°	252.2	255.4	326.8	484.9	802.7	2317.4	5351.5	5506.4	4584.5	4060.7	2359.5
72.5°	177.6	180.0	222.2	287.8	375.4	1406.8	4441.8	4708.5	3826.3	3230.4	1663.0
75°	127.3	131.4	163.0	214.9	208.4	706.2	3433.1	3591.2	2773.9	1994.7	881.4
77.5°	92.4	98.1	127.3	165.4	144.3	296.8	2377.4	2373.3	1564.9	947.9	356.8
80°	60.8	64.9	94.1	122.4	103.0	137.8	1393.0	1311.9	692.5	363.3	129.7
82.5°	34.1	35.7	63.2	85.1	71.4	64.9	622.7	574.1	234.3	133.0	60.8
85°	2.4	4.1	37.3	53.5	38.1	32.4	174.3	158.1	75.4	60.8	32.4
87.5°	0.0	0.0	4.9	9.7	6.5	4.9	42.2	36.5	22.7	35.7	16.2
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°	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1	831.1
2.5°	838.4	815.7	781.6	748.4	716.0	686.8	665.7	644.6	635.7	615.4	650.3
5°	843.3	802.7	721.6	643.0	574.9	501.9	454.1	420.0	403.0	387.6	388.4
7.5°	848.1	786.5	661.6	528.7	430.6	353.5	310.6	295.1	288.7	280.5	280.5
10°	842.5	760.6	575.7	416.0	316.2	274.9	251.4	245.7	248.9	248.1	250.5
12.5°	842.5	729.8	488.1	324.3	259.5	235.1	228.7	227.8	232.7	236.0	237.6
15°	831.9	682.7	400.6	266.0	227.0	218.1	215.7	215.7	218.9	222.2	221.4
17.5°	823.0	635.7	327.6	228.7	207.6	205.1	203.5	201.9	206.0	209.2	210.0
20°	801.1	570.0	270.0	206.0	194.6	191.4	190.5	188.9	193.0	196.2	198.7
22.5°	769.5	495.4	231.1	188.9	183.2	179.2	176.8	177.6	181.6	184.9	183.2
25°	727.3	429.7	202.7	176.8	168.7	166.2	163.0	164.6	165.4	168.7	171.1
27.5°	681.1	365.7	184.1	167.0	158.9	154.1	150.0	149.2	150.0	154.1	152.4
30°	613.0	309.7	171.1	155.7	146.8	140.3	135.4	133.0	132.2	133.0	133.8
32.5°	561.1	272.4	162.2	146.8	135.4	127.3	121.6	116.8	115.1	113.5	113.5
35°	527.9	252.2	153.2	134.6	124.1	115.9	107.0	101.4	98.1	96.5	97.3
37.5°	456.5	217.3	142.7	125.7	113.5	103.8	94.9	85.9	83.5	85.1	85.1
40°	396.5	186.5	133.0	115.1	101.4	92.4	82.7	72.2	70.5	75.4	76.2
42.5°	373.8	172.7	124.1	105.4	90.8	83.5	70.5	62.4	62.4	66.5	67.3
45°	401.4	168.7	115.9	96.5	81.9	73.8	60.8	53.5	53.5	57.6	58.4
47.5°	488.9	175.1	107.8	87.6	75.4	64.9	50.3	47.0	47.0	48.7	49.5
50°	674.6	196.2	99.7	78.7	68.9	55.1	43.8	40.5	39.7	40.5	40.5
52.5°	910.6	238.4	90.8	70.5	60.8	46.2	38.1	34.9	32.4	32.4	31.6
55°	1149.0	283.8	81.9	62.4	52.7	39.7	32.4	29.2	25.1	23.5	22.7
57.5°	1359.0	320.3	71.4	55.1	45.4	34.1	28.4	21.9	16.2	13.0	13.0
60°	1489.5	330.0	61.6	47.8	37.3	29.2	22.7	14.6	8.1	6.5	5.7
62.5°	1513.8	299.2	52.7	40.5	31.6	24.3	16.2	8.1	3.2	0.8	0.8
65°	1448.2	236.0	45.4	34.1	25.9	19.5	10.5	4.1	0.0	0.0	0.0
67.5°	1337.9	185.7	38.1	28.4	21.9	15.4	6.5	0.8	0.0	0.0	0.0
70°	1166.8	148.4	33.2	24.3	18.6	13.0	4.1	0.0	0.0	0.0	0.0
72.5°	859.5	98.1	29.2	21.9	16.2	9.7	2.4	0.0	0.0	0.0	0.0
75°	470.3	62.4	26.8	20.3	15.4	8.1	1.6	0.0	0.0	0.0	0.0
77.5°	190.5	43.8	23.5	19.5	15.4	8.1	1.6	0.0	0.0	0.0	0.0
80°	72.2	30.8	20.3	17.0	14.6	8.1	1.6	0.0	0.0	0.0	0.0
82.5°	38.1	25.1	19.5	17.0	13.8	7.3	0.8	0.0	0.0	0.0	0.0
85°	18.6	8.1	9.7	9.7	11.4	6.5	0.8	0.0	0.0	0.0	0.0
87.5°	4.1	0.0	0.0	0.0	0.0	0.0	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)