

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: P1208772

Luminaire Tested: UPW-SA2-070-730-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 6126 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

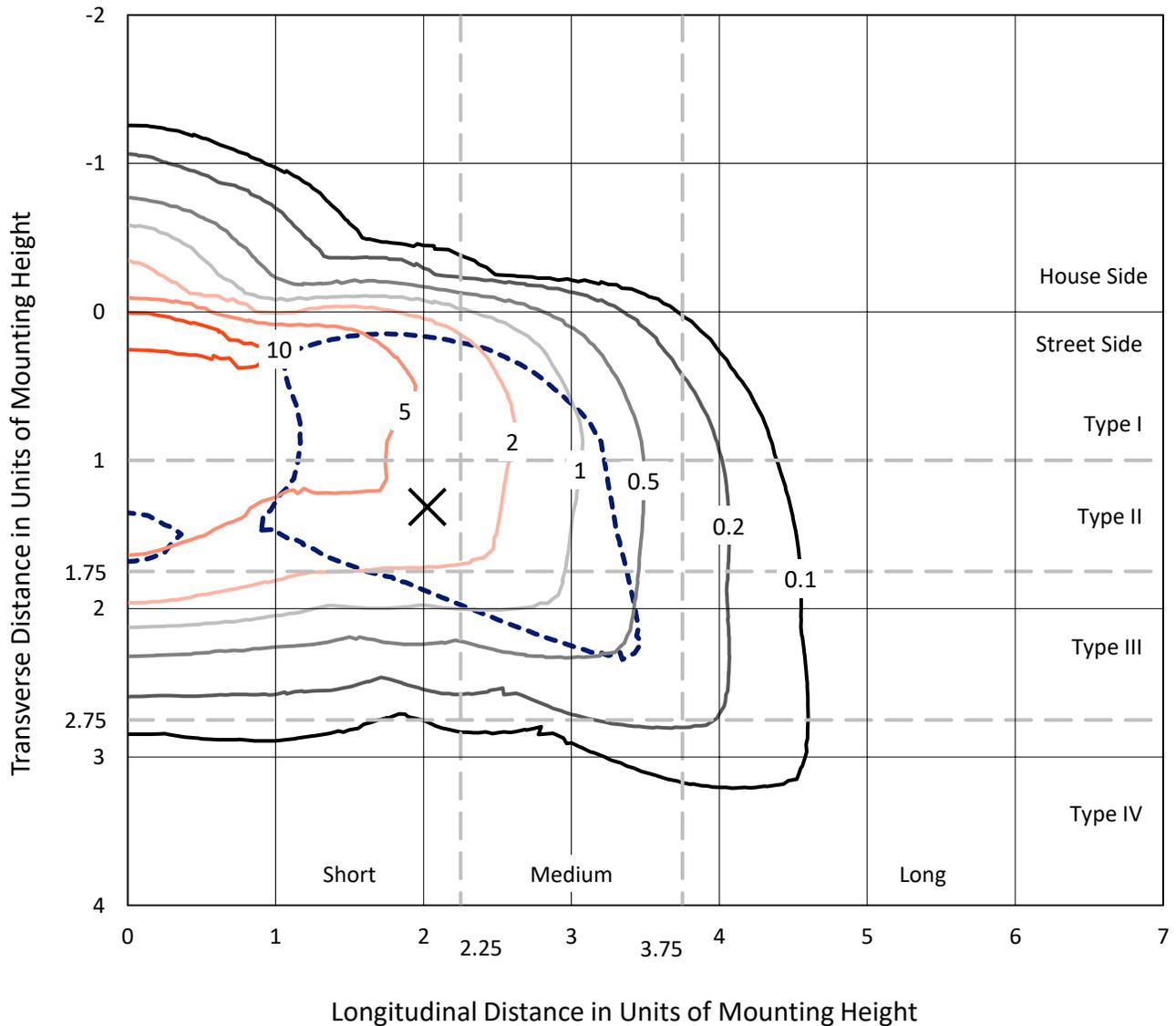
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

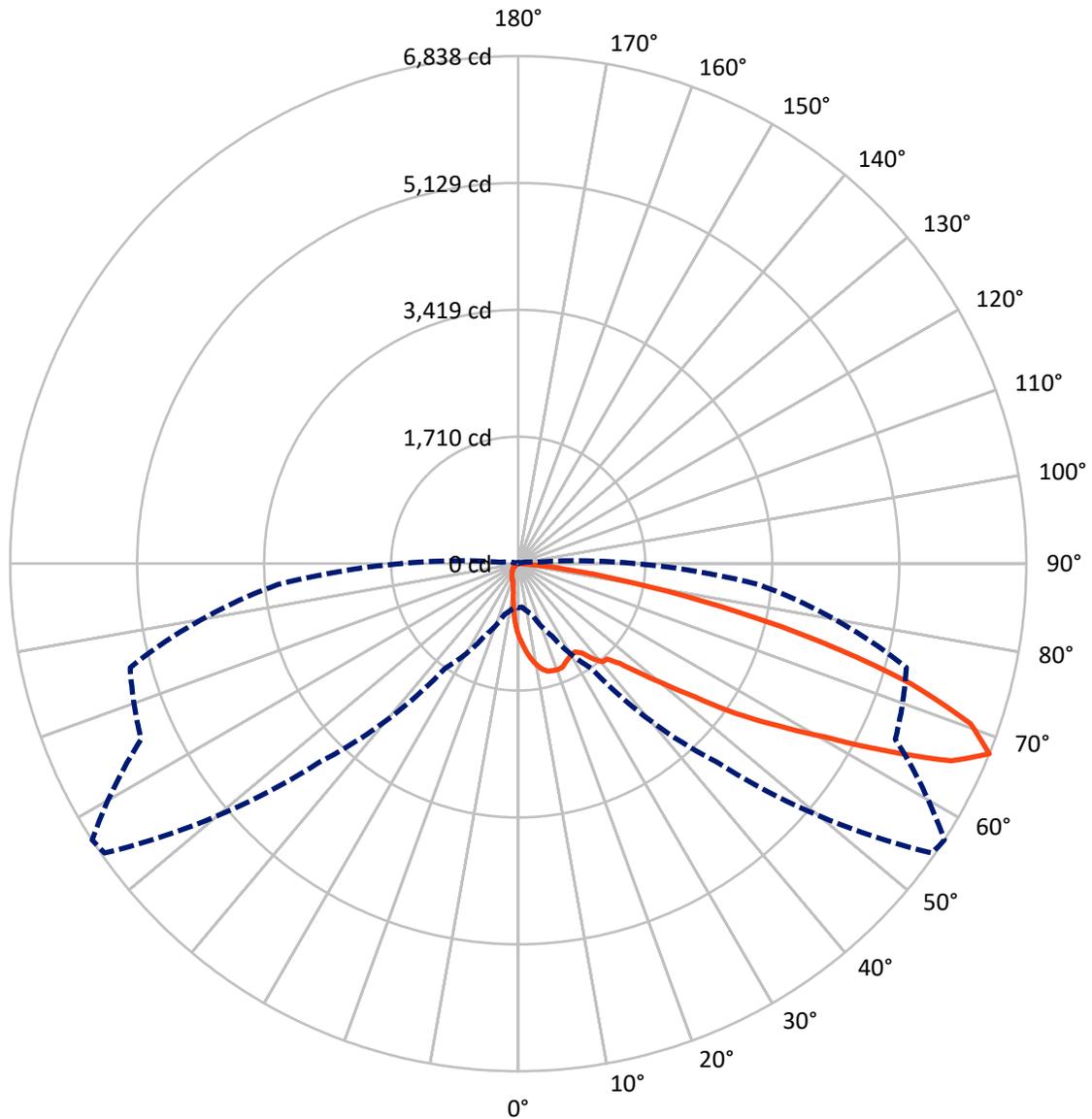
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 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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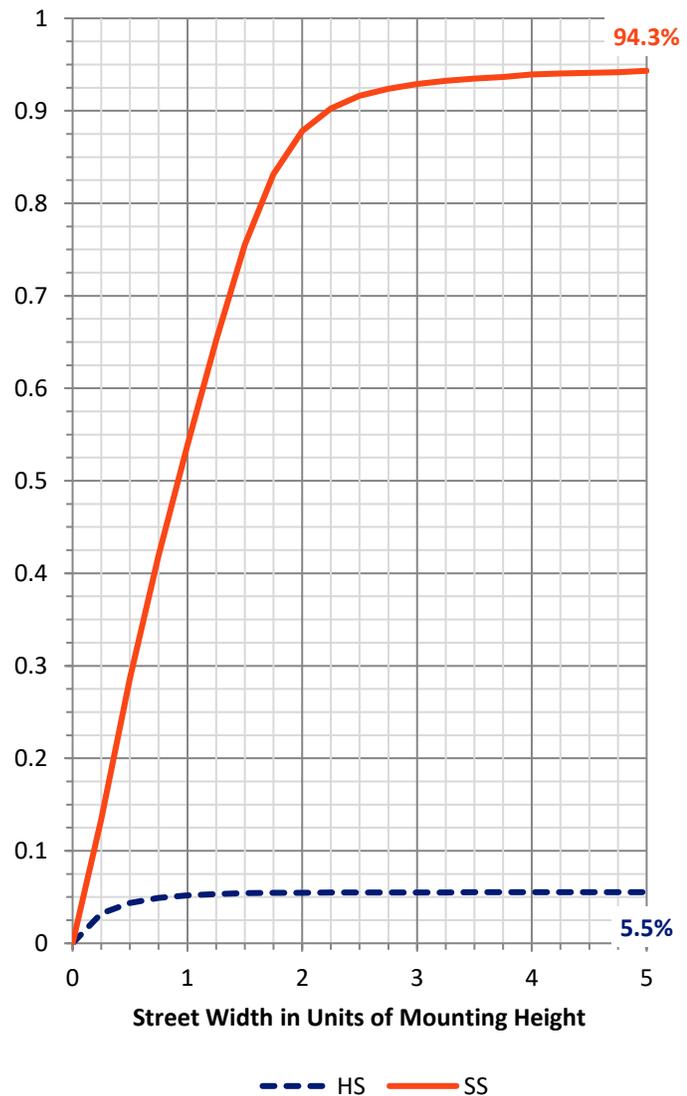
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.9	0.0	340.9
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	5785.0	0.0	5785.0
	% Fixture	94.4	0.0	94.4
Total	Lumens	6126.0	0.0	6126.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	1.4
10°-20°	227.9	3.7
20°-30°	333.5	5.4
30°-40°	501.5	8.2
40°-50°	818.2	13.4
50°-60°	1548.6	25.3
60°-70°	1769.7	28.9
70°-80°	772.4	12.6
80°-90°	66.7	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°	6126.0	100.0
0°-180°	6126.0	100.0



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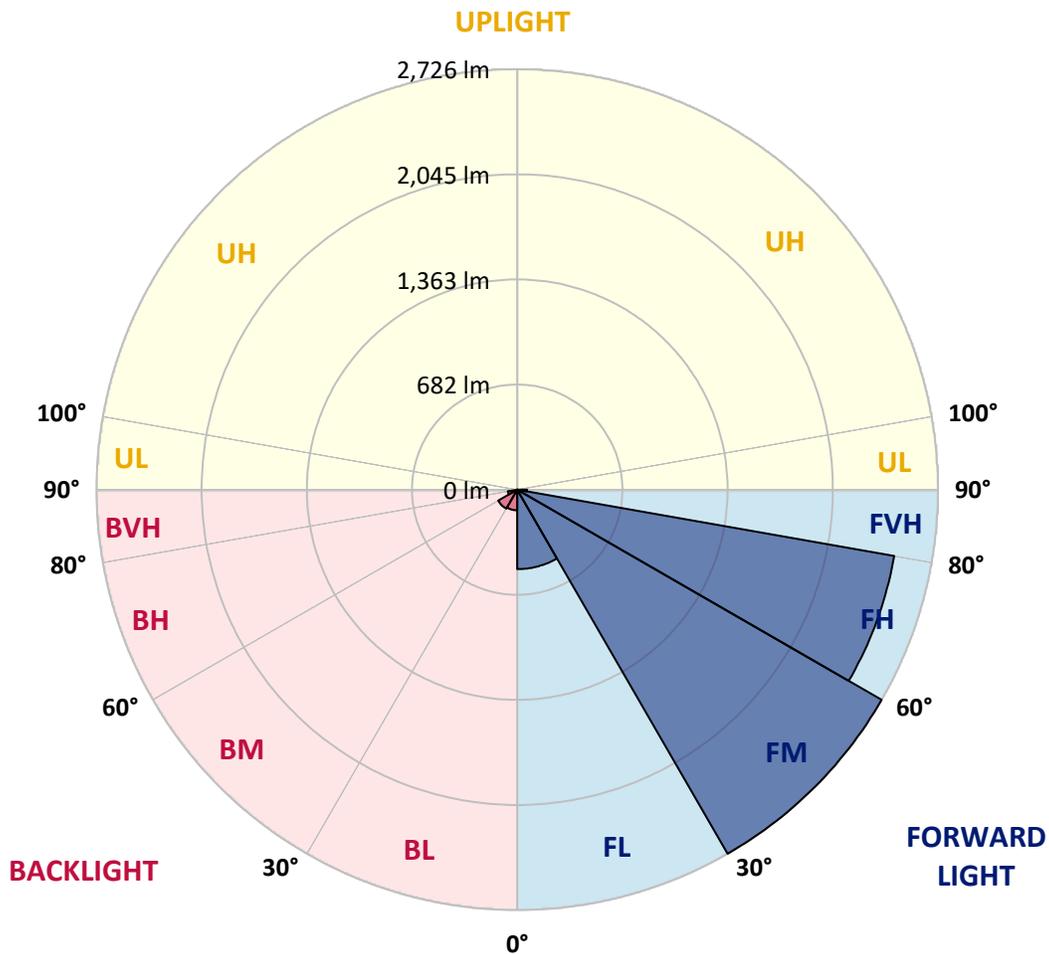
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	515.1	8.4			
FM	(30°-60°)	2726.2	44.5			
FH	(60°-80°)	2480.3	40.5			G2/5000
FVH	(80°-90°)	63.4	1.0			G1/100
BL	(0°-30°)	133.8	2.2	B1/500		
BM	(30°-60°)	142.0	2.3	B0/220		
BH	(60°-80°)	61.8	1.0	B0/110		G0/110
BVH	(80°-90°)	3.3	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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	1150.5	1160.0	1163.8	1147.7	1132.4	1121.0	1098.2	1084.0	1062.1	1035.5	998.4
5°	1319.8	1318.8	1309.3	1296.9	1290.3	1254.2	1216.1	1200.9	1165.7	1099.2	1026.9
7.5°	1383.5	1389.2	1395.8	1388.2	1376.8	1357.8	1313.1	1301.7	1250.4	1163.8	1062.1
10°	1354.0	1363.5	1374.9	1394.9	1432.9	1439.6	1405.3	1393.0	1331.2	1236.1	1091.6
12.5°	1218.0	1232.3	1251.3	1316.0	1404.4	1459.5	1467.1	1463.3	1411.0	1300.7	1112.5
15°	1037.4	1022.2	1071.6	1161.0	1306.5	1432.9	1501.4	1504.2	1477.6	1361.6	1135.3
17.5°	901.4	915.7	937.5	1005.0	1156.2	1337.8	1496.6	1514.7	1527.0	1426.3	1161.9
20°	878.6	879.5	889.0	926.1	1005.0	1223.7	1480.5	1523.2	1587.9	1490.0	1173.3
22.5°	900.4	894.7	899.5	907.1	956.5	1107.7	1446.2	1515.6	1624.0	1568.9	1197.1
25°	929.0	935.6	927.1	917.6	946.1	1055.4	1406.3	1477.6	1678.2	1639.2	1207.6
27.5°	1008.8	1012.6	989.8	955.6	966.1	1031.7	1344.5	1447.2	1760.0	1718.2	1224.7
30°	1139.1	1135.3	1087.8	1031.7	1007.9	1046.9	1305.5	1413.9	1803.7	1779.0	1216.1
32.5°	1236.1	1228.5	1181.9	1123.9	1082.1	1104.9	1305.5	1417.7	1892.2	1885.5	1232.3
35°	1323.6	1316.9	1258.9	1212.3	1176.2	1197.1	1378.7	1479.5	2018.6	2083.3	1289.3
37.5°	1418.7	1400.6	1354.9	1274.1	1262.7	1343.5	1536.6	1620.2	2219.3	2266.8	1291.2
40°	1568.9	1553.7	1480.5	1396.8	1335.0	1452.9	1660.2	1740.0	2360.9	2414.2	1283.6
42.5°	1775.2	1739.1	1648.8	1527.0	1428.2	1511.8	1674.4	1757.1	2468.4	2643.3	1356.8
45°	1999.6	1989.2	1863.6	1706.8	1602.2	1591.7	1825.6	1916.9	2707.0	3013.2	1515.6
47.5°	2323.8	2242.1	2076.6	1909.3	1819.9	1749.5	2057.6	2196.4	2998.0	3445.8	1752.4
50°	2665.2	2617.7	2365.7	2134.6	2025.3	1999.6	2424.6	2550.1	3370.7	3932.7	2147.0
52.5°	3247.1	3137.8	2797.4	2506.4	2317.2	2292.5	2824.0	2984.7	3791.0	4513.6	2545.4
55°	3638.9	3571.3	3229.0	3009.4	2761.2	2686.1	3389.7	3565.6	4305.4	5020.4	2943.8
57.5°	3764.4	3681.6	3373.6	3320.3	3263.3	3306.1	3976.4	4122.8	4662.0	5416.0	3296.6
60°	3261.4	3258.5	3082.6	3221.4	3503.8	3998.3	4669.6	4734.2	4951.0	5658.4	3516.2
62.5°	2345.7	2338.1	2373.3	2717.5	3244.3	4467.0	5623.3	5551.0	5202.0	5793.5	3635.1
65°	1216.1	1221.8	1398.7	1852.2	2610.1	4430.9	6496.1	6404.8	5357.0	5710.7	3551.4
67.5°	593.3	588.6	703.6	1077.3	1723.9	3783.4	6795.6	6838.4	5600.4	5407.4	3249.0
70°	295.7	299.5	383.2	568.6	941.3	2717.5	6275.5	6457.1	5376.0	4761.8	2766.9
72.5°	208.2	211.1	260.5	337.5	440.2	1649.7	5208.7	5521.5	4487.0	3788.1	1950.2
75°	149.3	154.0	191.1	252.0	244.4	828.2	4025.9	4211.3	3252.8	2339.1	1033.6
77.5°	108.4	115.1	149.3	194.0	169.2	348.0	2787.9	2783.1	1835.1	1111.5	418.4
80°	71.3	76.1	110.3	143.6	120.8	161.6	1633.5	1538.5	812.0	426.0	152.1
82.5°	39.9	41.8	74.2	99.8	83.7	76.1	730.2	673.2	274.8	155.9	71.3
85°	2.9	4.8	43.7	62.8	44.7	38.0	204.4	185.4	88.4	71.3	38.0
87.5°	0.0	0.0	5.7	11.4	7.6	5.7	49.4	42.8	26.6	41.8	19.0
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°	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6	974.6
2.5°	983.2	956.5	916.6	877.6	839.6	805.4	780.6	755.9	745.5	721.7	762.6
5°	988.9	941.3	846.2	754.0	674.1	588.6	532.5	492.5	472.6	454.5	455.5
7.5°	994.6	922.3	775.9	619.9	504.9	414.6	364.2	346.1	338.5	329.0	329.0
10°	987.9	891.9	675.1	487.8	370.8	322.3	294.8	288.1	291.9	291.0	293.8
12.5°	987.9	855.8	572.4	380.3	304.3	275.7	268.1	267.2	272.9	276.7	278.6
15°	975.6	800.6	469.7	311.9	266.2	255.8	252.9	252.9	256.7	260.5	259.6
17.5°	965.1	745.5	384.1	268.1	243.4	240.6	238.7	236.8	241.5	245.3	246.3
20°	939.4	668.4	316.6	241.5	228.2	224.4	223.4	221.5	226.3	230.1	233.0
22.5°	902.3	581.0	271.0	221.5	214.9	210.1	207.3	208.2	213.0	216.8	214.9
25°	852.9	503.9	237.7	207.3	197.8	194.9	191.1	193.0	194.0	197.8	200.6
27.5°	798.7	428.8	215.8	195.9	186.4	180.7	175.9	175.0	175.9	180.7	178.8
30°	718.8	363.2	200.6	182.6	172.1	164.5	158.8	155.9	155.0	155.9	156.9
32.5°	658.0	319.5	190.2	172.1	158.8	149.3	142.6	136.9	135.0	133.1	133.1
35°	619.0	295.7	179.7	157.8	145.5	136.0	125.5	118.9	115.1	113.1	114.1
37.5°	535.3	254.8	167.3	147.4	133.1	121.7	111.2	100.8	97.9	99.8	99.8
40°	465.0	218.7	155.9	135.0	118.9	108.4	97.0	84.6	82.7	88.4	89.4
42.5°	438.3	202.5	145.5	123.6	106.5	97.9	82.7	73.2	73.2	78.0	78.9
45°	470.7	197.8	136.0	113.1	96.0	86.5	71.3	62.8	62.8	67.5	68.5
47.5°	573.4	205.4	126.5	102.7	88.4	76.1	59.0	55.1	55.1	57.1	58.0
50°	791.1	230.1	117.0	92.2	80.8	64.7	51.3	47.5	46.6	47.5	47.5
52.5°	1067.8	279.5	106.5	82.7	71.3	54.2	44.7	40.9	38.0	38.0	37.1
55°	1347.3	332.8	96.0	73.2	61.8	46.6	38.0	34.2	29.5	27.6	26.6
57.5°	1593.6	375.6	83.7	64.7	53.2	39.9	33.3	25.7	19.0	15.2	15.2
60°	1746.7	387.0	72.3	56.1	43.7	34.2	26.6	17.1	9.5	7.6	6.7
62.5°	1775.2	350.9	61.8	47.5	37.1	28.5	19.0	9.5	3.8	1.0	1.0
65°	1698.2	276.7	53.2	39.9	30.4	22.8	12.4	4.8	0.0	0.0	0.0
67.5°	1568.9	217.7	44.7	33.3	25.7	18.1	7.6	1.0	0.0	0.0	0.0
70°	1368.3	174.0	39.0	28.5	21.9	15.2	4.8	0.0	0.0	0.0	0.0
72.5°	1007.9	115.1	34.2	25.7	19.0	11.4	2.9	0.0	0.0	0.0	0.0
75°	551.5	73.2	31.4	23.8	18.1	9.5	1.9	0.0	0.0	0.0	0.0
77.5°	223.4	51.3	27.6	22.8	18.1	9.5	1.9	0.0	0.0	0.0	0.0
80°	84.6	36.1	23.8	20.0	17.1	9.5	1.9	0.0	0.0	0.0	0.0
82.5°	44.7	29.5	22.8	20.0	16.2	8.6	1.0	0.0	0.0	0.0	0.0
85°	21.9	9.5	11.4	11.4	13.3	7.6	1.0	0.0	0.0	0.0	0.0
87.5°	4.8	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)