

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: P1208031

Luminaire Tested: UPW-SA1-040-727-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3925 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

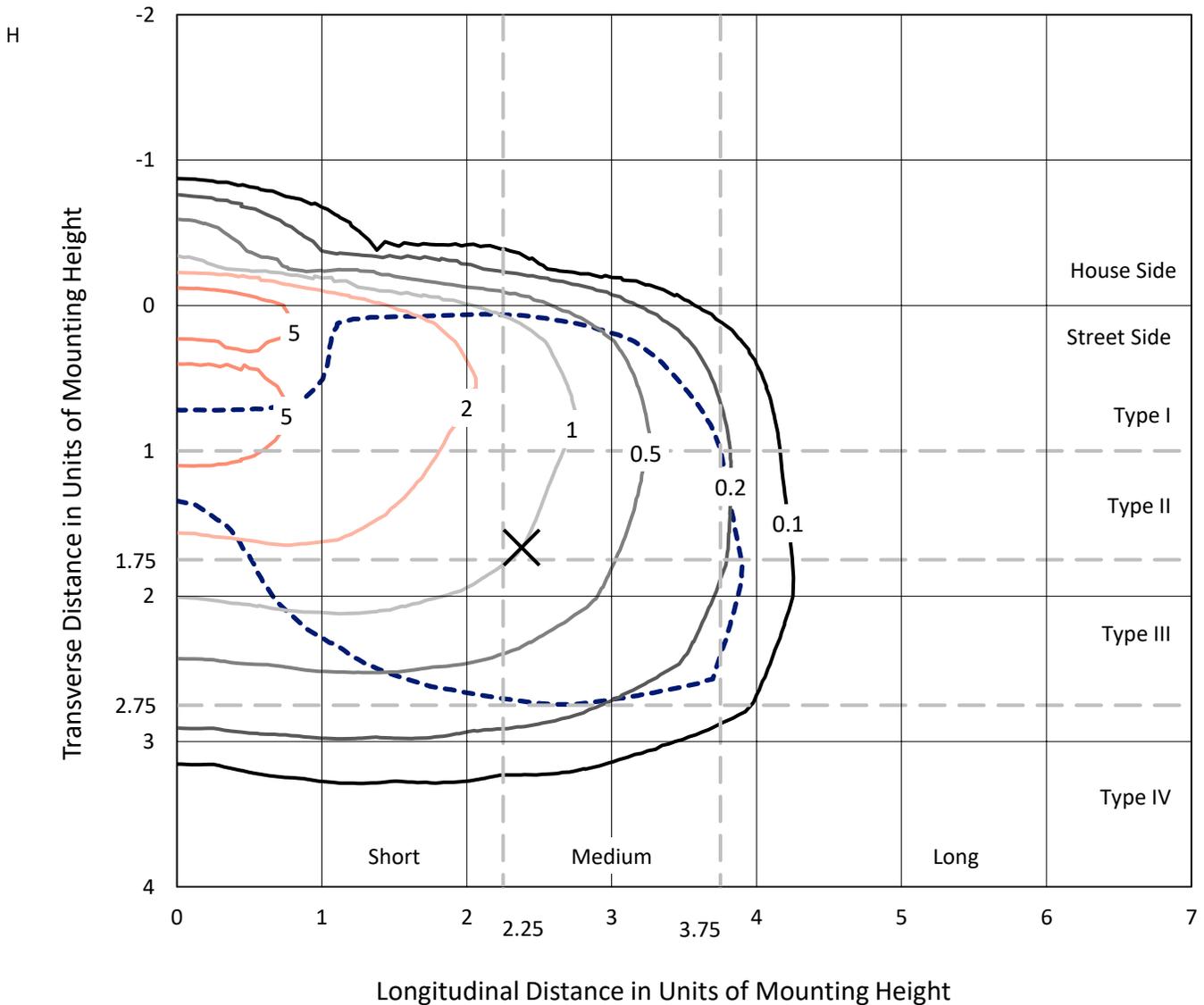
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

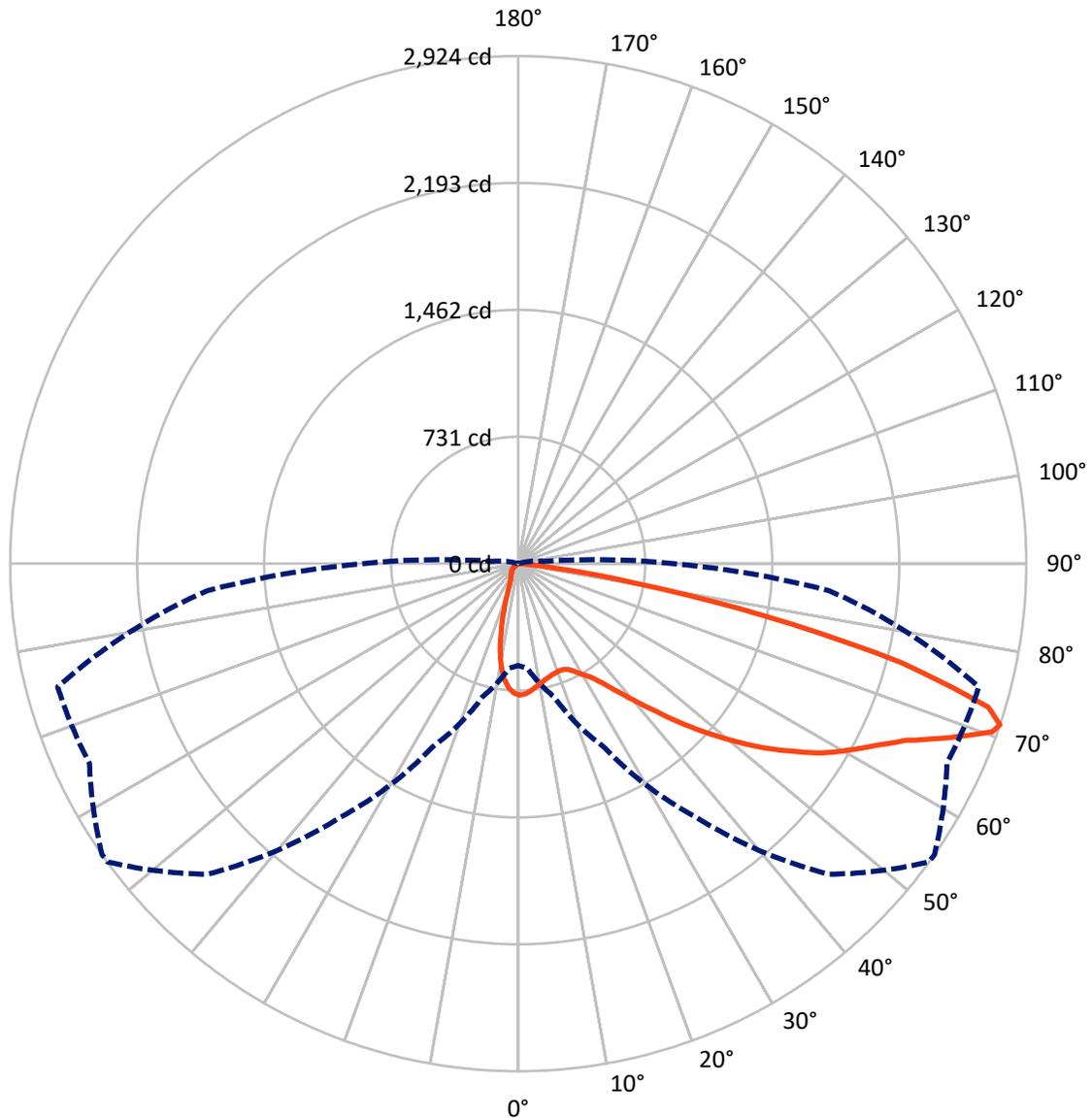
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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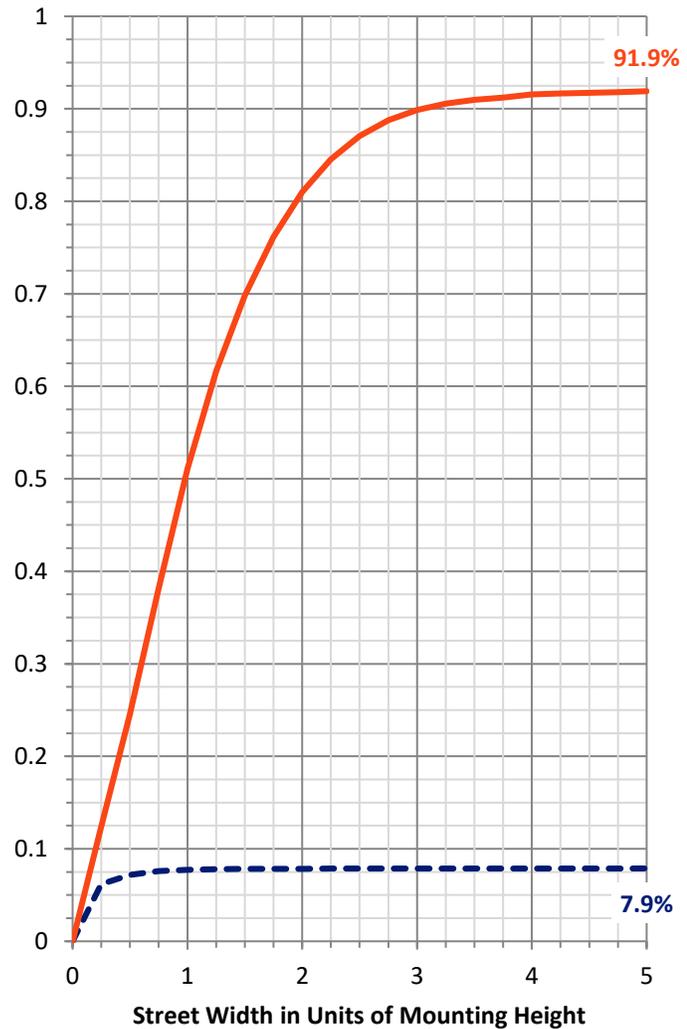
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	310.8	0.0	310.8
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	3614.2	0.0	3614.2
	% Fixture	92.1	0.0	92.1
Total	Lumens	3925.0	0.0	3925.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.6
10°-20°	145.7	3.7
20°-30°	234.1	6.0
30°-40°	397.8	10.1
40°-50°	617.5	15.7
50°-60°	830.2	21.2
60°-70°	1015.6	25.9
70°-80°	593.8	15.1
80°-90°	25.7	0.7
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°	3925.0	100.0
0°-180°	3925.0	100.0



--- HS — SS

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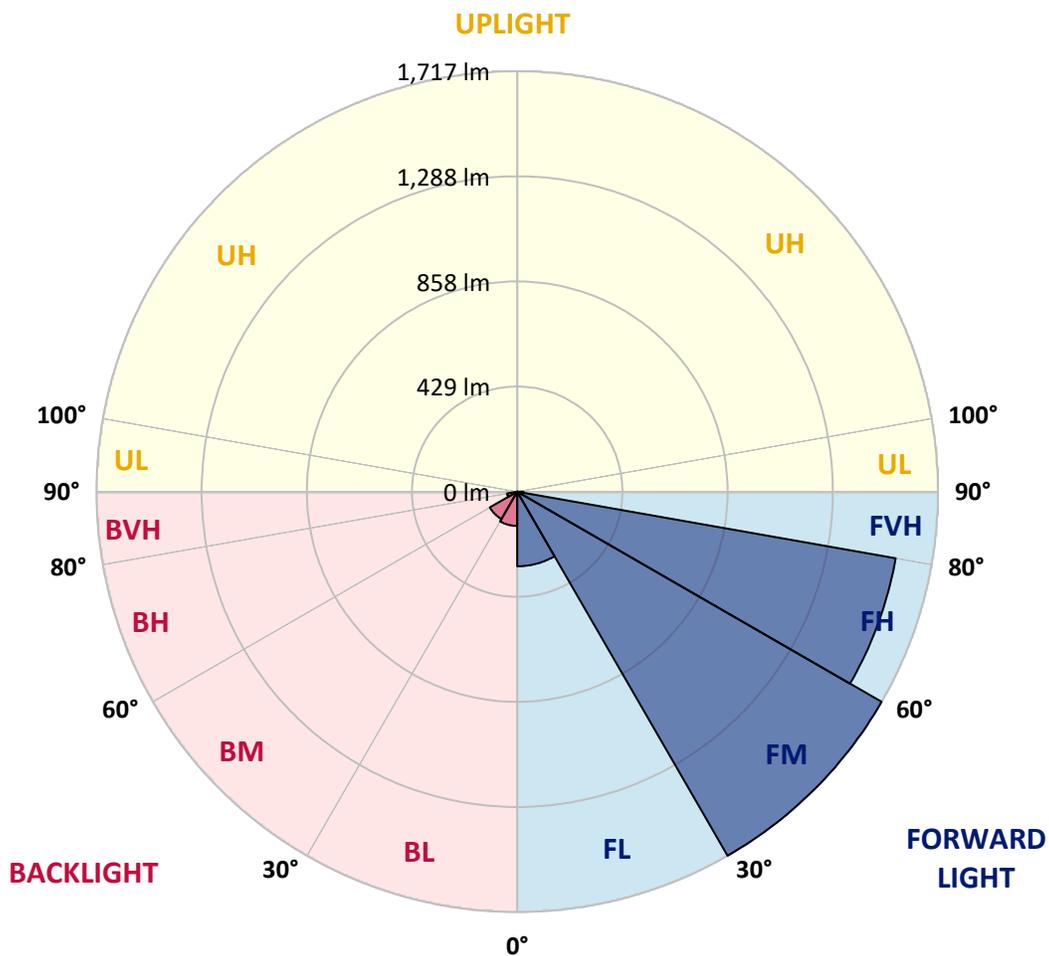
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.5	7.8			
FM	(30°-60°)	1716.7	43.7			
FH	(60°-80°)	1567.8	39.9			G1/1800
FVH	(80°-90°)	25.3	0.6			G1/100
BL	(0°-30°)	139.9	3.6	B1/500		
BM	(30°-60°)	128.8	3.3	B0/220		
BH	(60°-80°)	41.6	1.1	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0
2.5°	734.7	735.6	738.8	740.2	743.6	749.2	752.0	752.2	756.8	758.5	759.9
5°	682.8	688.0	693.3	699.0	709.2	722.8	736.2	737.4	752.2	763.1	768.9
7.5°	638.0	642.7	649.1	658.1	672.5	693.9	716.2	718.9	746.9	771.8	784.8
10°	592.0	595.9	605.0	618.2	638.2	666.7	696.9	701.3	742.1	783.4	806.3
12.5°	542.8	545.1	556.2	575.2	604.5	640.8	680.5	686.3	739.2	796.8	831.7
15°	505.5	506.5	517.1	536.8	570.3	617.5	667.8	674.8	739.9	812.8	859.3
17.5°	495.9	496.5	502.1	515.7	545.3	596.7	657.7	666.4	742.0	828.5	887.2
20°	534.5	530.8	525.0	522.9	535.6	584.2	651.7	661.4	744.8	842.4	912.2
22.5°	640.5	629.5	605.4	573.1	553.6	585.1	653.3	663.0	753.8	859.5	941.1
25°	797.7	782.5	741.4	678.0	617.0	610.5	666.5	676.4	771.2	880.0	968.8
27.5°	976.5	961.6	911.3	820.7	716.8	660.7	696.9	706.0	797.1	898.1	989.9
30°	1147.9	1143.6	1084.4	981.5	842.3	742.1	736.0	743.7	816.3	909.0	1006.7
32.5°	1293.1	1286.4	1238.8	1138.7	985.9	840.0	782.0	784.3	830.8	923.1	1028.5
35°	1427.7	1419.4	1377.7	1283.0	1133.2	959.4	852.8	849.5	862.3	951.5	1060.3
37.5°	1545.3	1552.8	1506.5	1416.4	1265.4	1083.7	948.3	938.3	911.7	997.7	1106.3
40°	1643.6	1643.6	1619.5	1544.4	1408.2	1212.2	1056.4	1043.2	985.9	1068.9	1164.6
42.5°	1679.0	1686.6	1695.6	1653.1	1535.9	1345.8	1176.8	1163.0	1090.4	1169.9	1238.3
45°	1681.2	1693.1	1739.1	1739.0	1651.4	1478.5	1312.5	1305.9	1224.3	1299.6	1329.6
47.5°	1651.4	1666.3	1742.1	1785.1	1742.8	1602.0	1460.9	1452.7	1381.7	1458.6	1425.1
50°	1605.4	1621.9	1710.1	1803.3	1805.0	1709.5	1617.2	1605.0	1555.0	1640.3	1523.8
52.5°	1523.1	1555.1	1681.3	1807.5	1845.9	1802.4	1765.9	1760.6	1748.8	1815.3	1602.4
55°	1347.0	1382.6	1609.2	1808.9	1883.8	1884.7	1905.3	1906.7	1930.5	1978.8	1660.9
57.5°	1263.8	1283.9	1483.4	1815.6	1940.0	1978.1	2047.4	2058.3	2095.1	2134.1	1727.7
60°	1211.5	1235.3	1421.4	1806.5	2028.3	2100.6	2179.0	2182.7	2222.2	2294.3	1818.1
62.5°	1169.7	1193.1	1382.2	1771.2	2127.6	2247.9	2307.7	2308.0	2337.6	2485.2	1920.8
65°	1066.6	1086.3	1303.1	1731.6	2193.1	2393.7	2457.1	2454.8	2479.0	2686.4	2040.2
67.5°	917.5	932.7	1141.5	1581.2	2168.5	2526.2	2682.7	2675.1	2645.9	2860.4	2087.0
70°	709.4	714.8	899.7	1317.7	1937.2	2577.2	2900.7	2896.9	2748.3	2829.2	1915.2
71°	586.4	604.3	792.9	1163.0	1782.3	2530.1	2921.9	2924.2	2722.6	2744.2	1796.9
72.5°	340.5	355.8	574.7	893.2	1513.2	2333.8	2812.3	2828.8	2602.4	2496.1	1534.9
75°	73.0	78.1	213.1	432.3	832.4	1635.7	2219.7	2278.8	2121.0	1698.1	925.1
77.5°	50.8	54.8	91.3	196.2	275.1	808.2	1378.9	1445.5	1267.2	638.2	296.1
80°	40.2	44.8	71.2	96.9	74.4	260.7	645.9	686.6	422.6	142.4	49.9
82.5°	22.4	26.6	55.5	52.3	28.6	49.5	180.8	204.4	84.6	28.7	11.8
85°	6.5	7.9	35.8	38.1	12.2	9.5	30.8	38.2	16.0	7.6	5.3
87.5°	0.0	0.0	17.3	14.6	3.5	1.4	2.8	3.2	3.2	3.2	3.5
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°	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0	757.0
2.5°	759.9	761.2	756.8	751.0	744.8	737.2	729.3	723.1	722.9	719.9	716.9
5°	769.3	768.6	756.4	737.9	716.1	693.3	671.7	647.2	639.0	629.0	625.7
7.5°	786.6	781.6	755.9	715.4	667.4	619.8	570.7	521.1	500.0	481.0	477.6
10°	808.2	798.9	752.5	681.5	593.6	505.8	431.6	364.3	334.7	311.9	310.9
12.5°	830.8	816.5	743.2	630.4	496.8	373.5	288.0	221.7	197.0	181.2	182.6
15°	854.4	833.1	723.1	561.5	386.7	253.4	176.9	138.0	128.1	124.1	125.1
17.5°	878.6	844.5	695.1	478.5	277.9	163.6	122.5	111.6	111.6	112.4	112.8
20°	899.5	850.7	653.8	385.4	188.4	119.1	107.2	105.6	106.4	107.9	108.0
22.5°	920.3	851.1	600.1	291.1	131.8	104.3	102.0	101.3	101.9	103.5	103.6
25°	937.2	846.8	532.8	207.1	105.2	98.3	97.3	96.9	97.3	99.2	99.2
27.5°	944.1	831.5	450.6	145.6	94.3	91.6	91.3	91.6	92.2	93.6	93.8
30°	944.8	804.7	361.1	105.4	85.5	82.7	83.4	84.6	84.1	83.7	84.1
32.5°	946.6	773.7	273.9	86.7	78.1	73.7	72.8	72.8	70.7	69.4	68.7
35°	952.4	737.2	198.6	77.9	70.5	65.4	62.0	58.2	54.1	52.0	51.5
37.5°	961.6	699.0	142.2	72.1	63.8	58.0	51.6	44.8	38.9	37.4	37.4
40°	978.3	659.5	105.2	67.5	58.5	51.3	41.8	32.8	27.5	26.6	26.6
42.5°	1004.7	617.9	83.9	63.4	53.9	44.4	31.9	23.8	19.9	19.4	19.2
45°	1032.2	572.1	73.3	59.6	49.0	36.5	23.6	17.6	15.3	14.8	14.8
47.5°	1059.7	523.3	68.2	55.9	44.2	28.4	17.6	13.9	12.9	12.9	13.0
50°	1083.0	472.3	64.5	51.8	38.1	21.5	13.9	11.8	11.5	12.2	12.3
52.5°	1088.8	422.3	59.9	46.7	30.5	16.4	11.5	10.4	10.4	10.4	10.4
55°	1085.3	383.5	53.9	40.4	22.6	13.0	9.9	9.2	9.0	9.0	9.0
57.5°	1097.3	360.6	43.2	31.4	16.2	10.6	8.6	8.1	7.8	7.6	7.6
60°	1121.4	345.6	30.8	22.6	12.2	8.8	7.4	6.9	6.3	6.0	6.0
62.5°	1153.5	332.6	22.9	16.7	9.3	7.0	6.2	5.6	4.9	4.6	4.6
65°	1178.2	309.3	17.4	12.5	7.0	5.6	4.8	4.6	3.5	3.2	3.0
67.5°	1140.4	258.2	14.1	9.2	5.3	4.4	3.7	3.5	2.1	1.8	1.8
70°	978.1	179.8	11.3	6.7	3.9	3.5	3.0	2.3	1.6	1.4	1.4
71°	887.0	150.2	10.2	5.6	3.3	3.3	2.8	1.9	1.4	1.2	1.2
72.5°	736.9	106.6	8.6	4.4	3.0	3.5	3.0	1.8	1.4	1.2	1.1
75°	427.7	44.6	6.0	3.0	2.3	4.2	3.9	1.6	1.1	0.9	0.9
77.5°	128.7	16.4	3.3	1.9	1.8	3.7	4.4	1.4	0.5	0.2	0.2
80°	23.4	7.0	2.1	1.2	1.2	2.3	3.3	0.7	0.0	0.0	0.0
82.5°	8.3	3.5	1.2	0.7	0.5	1.1	1.6	0.0	0.0	0.0	0.0
85°	4.8	2.5	0.7	0.4	0.0	0.2	0.4	0.0	0.0	0.0	0.0
87.5°	3.2	0.7	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)