

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: P1208054

Luminaire Tested: UPW-SA1-040-730-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-730-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4487 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

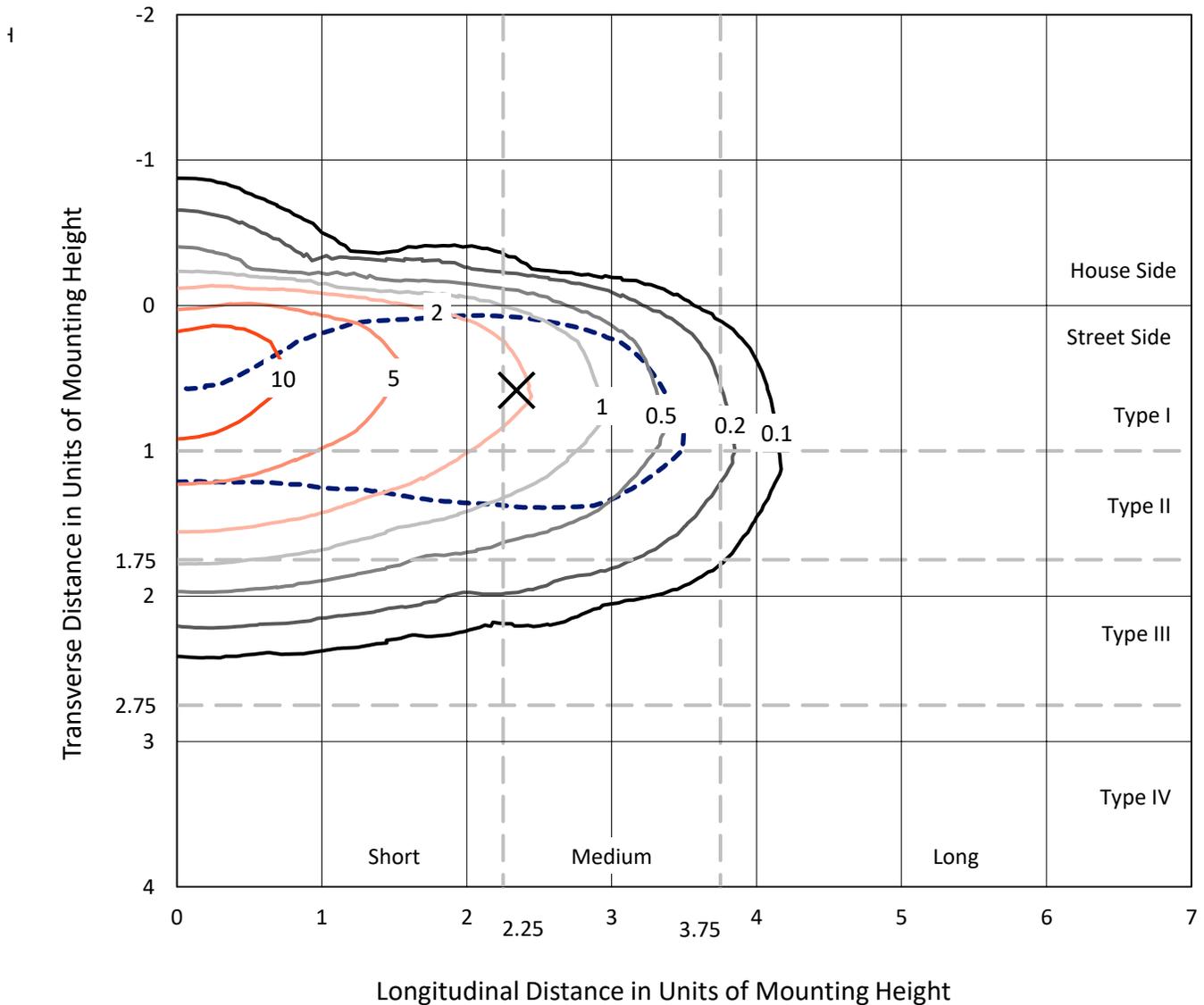
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

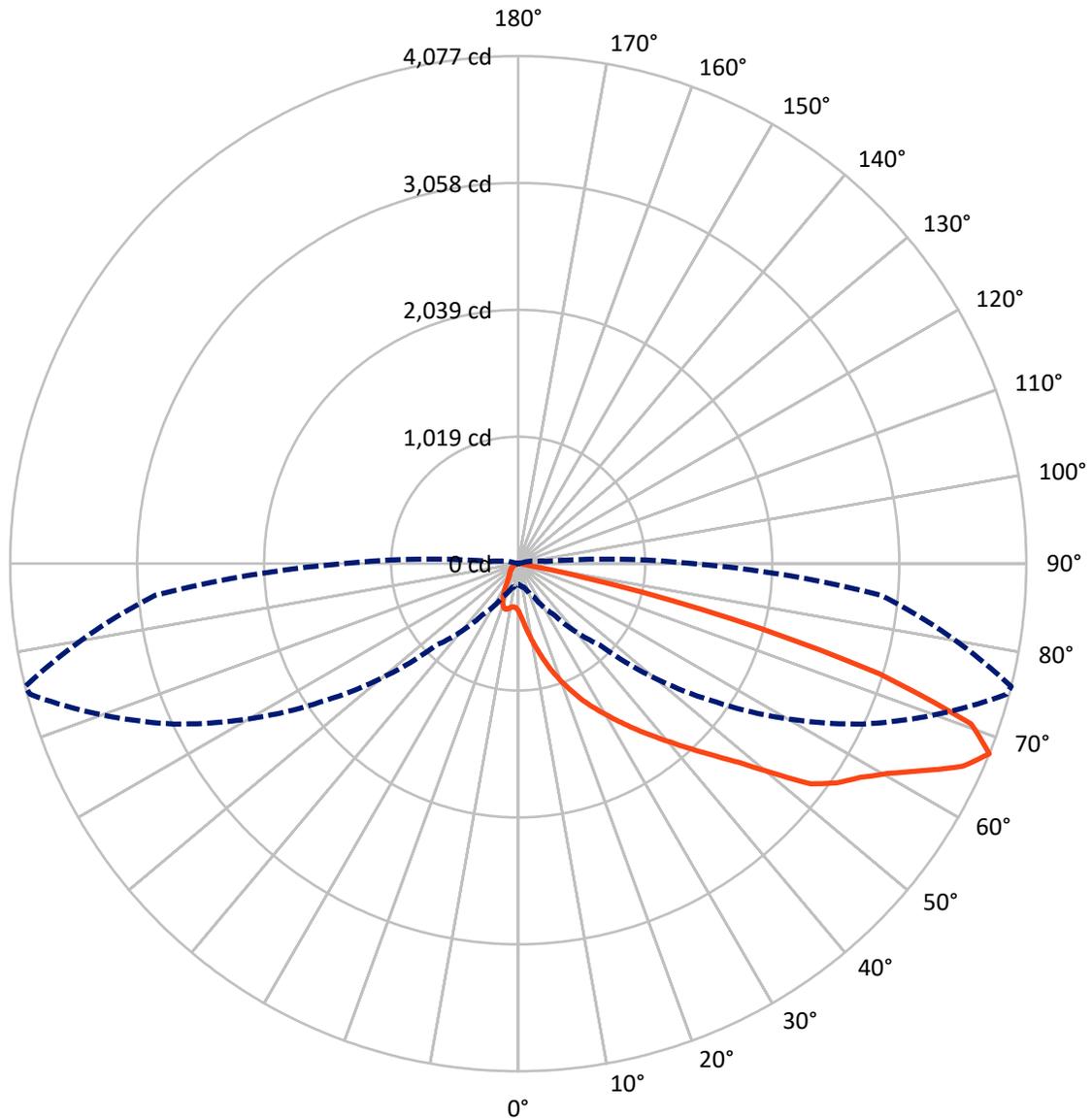
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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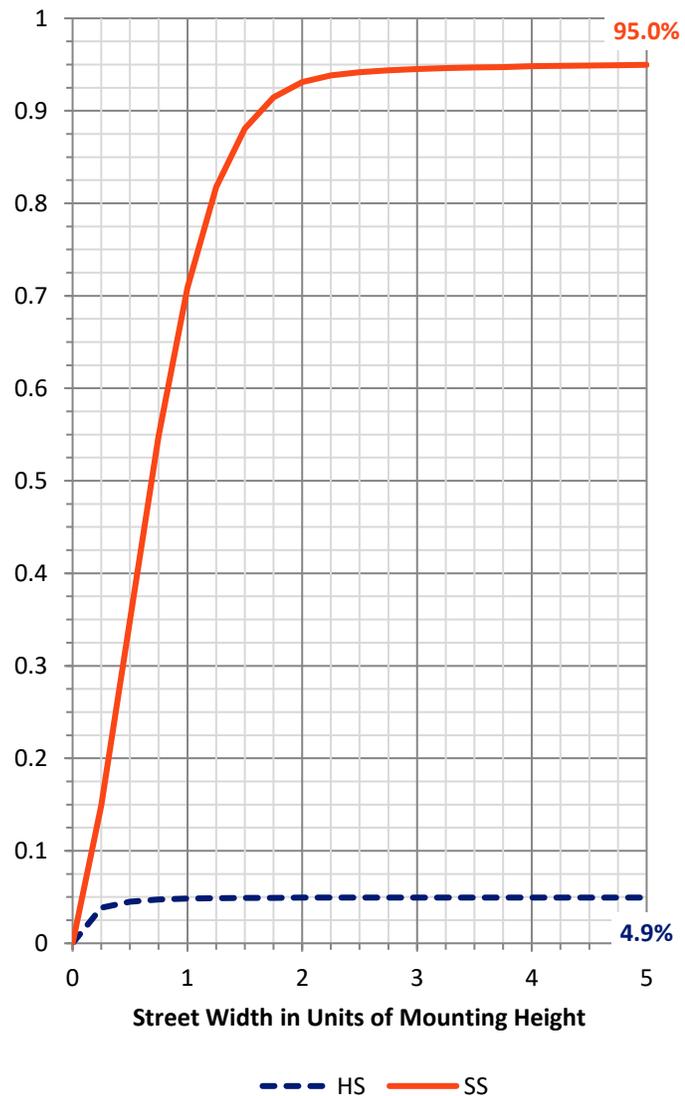
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.8	0.0	222.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4264.2	0.0	4264.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	4487.0	0.0	4487.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	1.1
10°-20°	187.6	4.2
20°-30°	381.8	8.5
30°-40°	662.6	14.8
40°-50°	936.2	20.9
50°-60°	1061.7	23.7
60°-70°	880.5	19.6
70°-80°	319.0	7.1
80°-90°	10.3	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°	4487.0	100.0
0°-180°	4487.0	100.0



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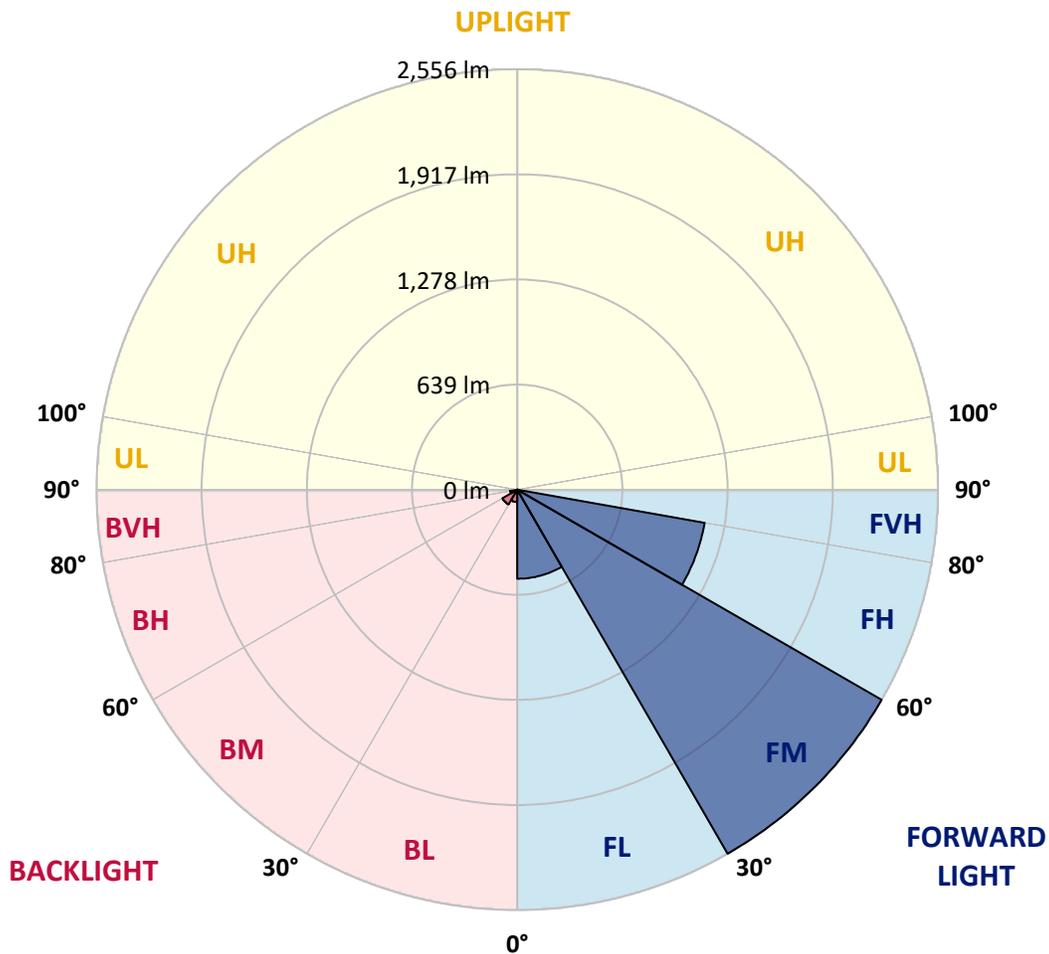
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.6	12.1			
FM	(30°-60°)	2556.2	57.0			
FH	(60°-80°)	1156.5	25.8			G1/1800
FVH	(80°-90°)	10.0	0.2			G1/100
BL	(0°-30°)	75.1	1.7	B0/110		
BM	(30°-60°)	104.3	2.3	B0/220		
BH	(60°-80°)	43.1	1.0	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6
2.5°	568.2	555.4	558.4	550.1	535.2	504.5	478.3	453.6	424.7	423.7	399.9
5°	766.2	755.4	754.0	737.3	710.1	658.0	607.3	549.5	485.0	480.3	429.8
7.5°	945.9	937.2	934.1	914.2	863.7	813.0	746.9	662.0	561.1	552.5	470.1
10°	1083.9	1079.8	1080.5	1066.4	1023.1	975.9	889.2	780.9	647.4	634.1	518.4
12.5°	1188.5	1189.5	1196.5	1187.9	1163.7	1128.7	1036.1	907.7	743.0	724.7	573.7
15°	1265.4	1270.3	1283.2	1294.1	1292.3	1262.0	1177.1	1036.5	844.4	824.2	635.2
17.5°	1315.1	1320.6	1339.5	1363.5	1385.5	1378.4	1313.1	1160.8	947.0	923.7	701.1
20°	1358.7	1365.2	1385.5	1417.1	1458.2	1467.1	1424.2	1281.3	1049.5	1021.0	769.1
22.5°	1453.3	1453.1	1465.5	1484.0	1523.1	1545.9	1518.8	1393.1	1150.7	1121.0	838.5
25°	1624.4	1617.9	1613.5	1599.0	1607.6	1621.8	1606.7	1497.7	1252.6	1222.5	908.9
27.5°	1827.6	1831.6	1796.6	1757.5	1727.2	1712.6	1687.9	1594.7	1350.5	1317.5	977.7
30°	2042.1	2043.3	2002.0	1952.1	1885.4	1830.2	1787.3	1687.3	1451.1	1415.2	1044.6
32.5°	2235.6	2227.9	2187.0	2119.0	2034.9	1972.7	1883.7	1790.7	1557.7	1522.9	1118.9
35°	2388.9	2379.9	2330.2	2268.2	2180.9	2118.4	2011.3	1893.9	1669.8	1635.8	1193.4
37.5°	2501.0	2490.4	2439.3	2375.6	2300.3	2263.9	2159.3	2006.2	1792.1	1755.5	1271.8
40°	2539.9	2530.7	2498.7	2452.1	2391.5	2383.2	2316.4	2135.3	1925.2	1886.2	1360.7
42.5°	2516.7	2507.7	2496.3	2480.6	2455.4	2463.3	2464.6	2282.6	2073.0	2034.7	1458.8
45°	2424.7	2416.7	2428.5	2451.5	2482.7	2521.7	2599.9	2440.9	2238.2	2197.3	1572.3
47.5°	2289.3	2283.4	2316.0	2373.4	2464.8	2572.2	2723.6	2607.2	2423.6	2385.6	1713.8
50°	2096.6	2095.6	2160.9	2265.7	2406.3	2596.6	2851.4	2796.3	2681.1	2641.2	1910.6
52.5°	1796.6	1798.5	1926.9	2094.6	2303.4	2580.0	2933.5	3039.3	2980.7	2939.2	2081.1
55°	1510.9	1522.7	1613.7	1855.6	2145.7	2518.7	2961.9	3152.8	3146.1	3106.8	2175.8
57.5°	1231.1	1252.6	1340.3	1566.2	1915.5	2377.3	2946.3	3201.9	3269.2	3239.1	2300.9
60°	928.0	937.8	1038.9	1250.0	1620.0	2119.4	2833.7	3228.6	3437.4	3416.6	2482.3
62.5°	590.4	615.0	704.6	908.3	1261.4	1761.2	2643.7	3228.3	3648.0	3659.4	2716.5
65°	311.0	339.7	387.3	562.9	866.8	1361.1	2358.1	3198.0	3906.3	3922.3	2899.5
67.5°	167.7	176.0	201.1	292.2	502.7	922.1	1938.3	3048.6	4056.0	4077.0	2925.1
70°	122.7	127.2	136.6	161.6	253.0	535.6	1414.4	2709.8	3863.1	3855.2	2598.9
72.5°	94.2	101.3	108.3	118.4	145.5	285.9	880.6	2122.0	3082.4	3030.5	1942.7
75°	74.3	75.5	85.5	94.6	109.1	162.8	391.0	1235.9	1881.3	1758.4	1007.4
77.5°	59.4	60.2	66.1	73.9	87.7	107.0	121.1	486.2	600.6	535.9	218.6
80°	35.2	37.2	49.2	57.0	72.7	67.4	44.2	105.6	93.8	84.9	36.8
82.5°	19.7	21.2	27.7	45.0	50.7	32.2	22.0	28.5	22.0	21.4	10.4
85°	0.0	1.0	17.9	27.9	20.6	7.1	9.2	9.4	6.5	6.1	4.1
87.5°	0.0	0.0	5.5	5.3	0.8	1.2	2.2	3.1	2.6	2.6	2.2
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°	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6	380.6
2.5°	388.1	377.5	357.4	337.8	321.3	307.7	295.5	290.6	286.7	286.1	282.9
5°	405.4	384.0	345.6	314.2	293.1	278.2	265.4	257.6	251.5	249.1	246.9
7.5°	431.5	399.1	344.1	307.9	282.7	257.6	234.0	208.4	192.5	186.4	182.8
10°	463.4	419.2	350.0	306.1	262.1	209.0	169.9	137.4	124.3	119.9	118.7
12.5°	500.6	444.1	360.2	295.1	218.0	148.4	117.2	106.2	103.2	101.8	101.8
15°	543.2	471.5	367.5	263.3	161.2	112.3	101.4	96.3	93.2	91.4	91.6
17.5°	586.9	498.2	363.9	217.1	118.9	99.9	91.8	86.3	82.0	80.2	79.8
20°	630.9	523.0	344.3	161.6	100.7	90.6	81.6	75.5	71.2	69.4	69.0
22.5°	676.5	544.0	309.7	118.6	90.4	80.4	71.6	65.5	61.3	59.8	59.0
25°	721.0	561.1	261.3	95.9	80.8	70.8	62.3	56.6	52.9	51.3	51.1
27.5°	762.4	571.9	205.3	84.7	72.4	62.1	54.5	49.3	46.2	45.0	44.8
30°	799.8	572.9	151.8	76.5	64.9	54.7	47.6	43.1	40.3	39.1	38.7
32.5°	837.5	564.6	110.5	69.0	58.0	48.2	41.3	37.7	35.8	34.8	34.8
35°	873.1	545.6	86.1	62.5	51.3	41.9	36.4	33.8	32.6	31.7	31.7
37.5°	907.9	518.3	73.1	56.8	45.0	36.6	32.0	30.5	29.5	28.5	28.5
40°	943.3	483.8	66.5	51.5	39.9	32.4	28.5	27.1	26.1	25.4	25.2
42.5°	986.8	444.1	62.1	46.6	35.4	28.7	25.2	23.6	22.8	22.0	21.6
45°	1037.1	409.9	58.6	41.7	31.7	25.6	21.8	20.3	19.1	18.1	17.9
47.5°	1109.6	385.1	53.9	36.4	28.1	22.2	18.9	17.1	15.3	14.4	14.2
50°	1202.2	364.7	47.8	31.7	24.6	18.9	15.7	13.6	12.0	11.0	11.0
52.5°	1248.2	338.0	42.3	27.5	20.6	15.9	12.8	10.2	9.4	8.5	8.5
55°	1266.7	317.5	36.8	23.4	17.1	13.2	10.0	7.9	7.3	6.7	6.5
57.5°	1318.6	311.6	32.0	19.9	14.2	10.4	7.7	5.9	5.5	4.7	4.7
60°	1402.2	314.6	27.7	16.9	11.4	8.1	5.7	4.5	4.1	3.3	3.3
62.5°	1492.4	310.8	23.4	14.5	8.8	5.9	3.9	3.3	3.3	2.0	1.8
65°	1509.7	276.8	20.1	12.0	6.9	4.3	2.6	2.2	2.9	0.4	0.0
67.5°	1401.2	214.7	17.3	9.2	5.1	3.3	2.0	1.0	2.6	0.0	0.0
70°	1120.5	136.4	14.0	6.7	3.9	2.8	1.6	0.4	2.0	0.0	0.0
72.5°	792.3	79.2	11.0	4.7	3.3	2.2	1.2	0.0	1.2	0.0	0.0
75°	400.7	42.3	6.9	3.5	2.6	1.6	0.8	0.0	0.2	0.0	0.0
77.5°	86.7	19.7	4.3	2.6	1.8	1.0	0.4	0.0	0.0	0.0	0.0
80°	18.9	8.7	2.8	1.6	1.0	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	6.9	4.5	1.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	2.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.8	0.2	0.2	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)