

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: P1208270

Luminaire Tested: UPW-SA1-060-727-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100 lumens
Efficiency: N/A
Efficacy: 86.4 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): 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

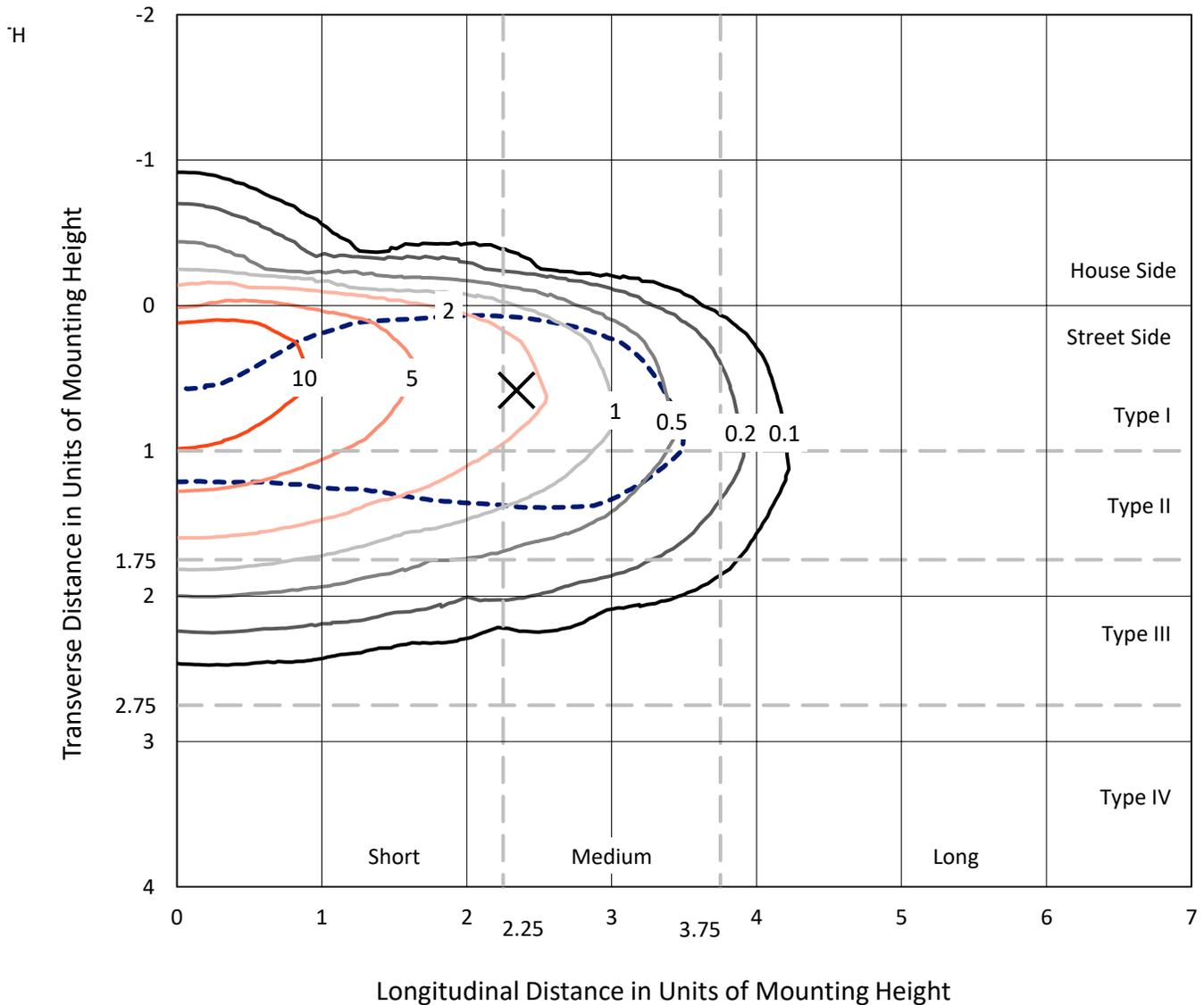


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Iso-Footcandle Lines of Horizontal Illumination

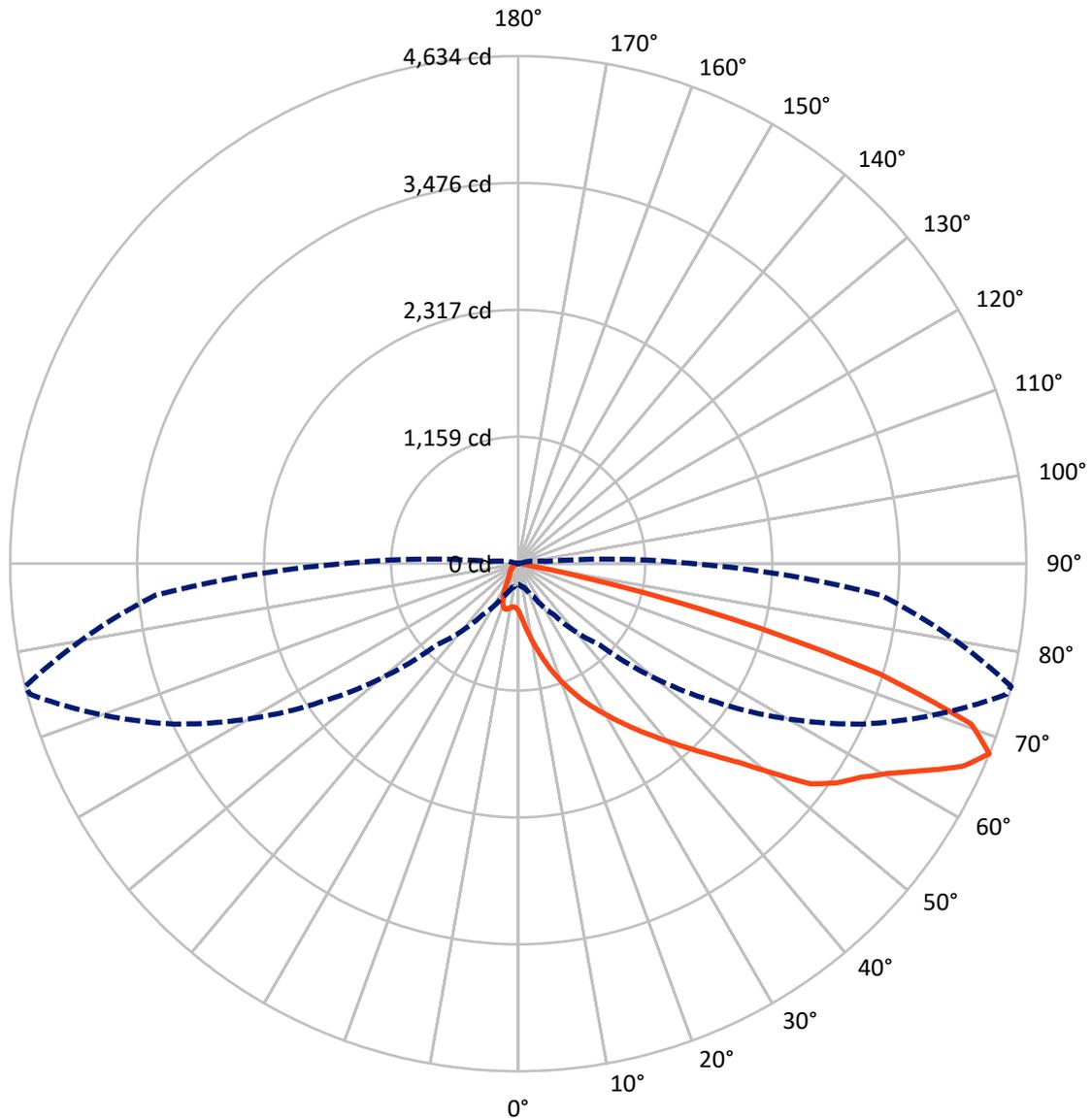
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 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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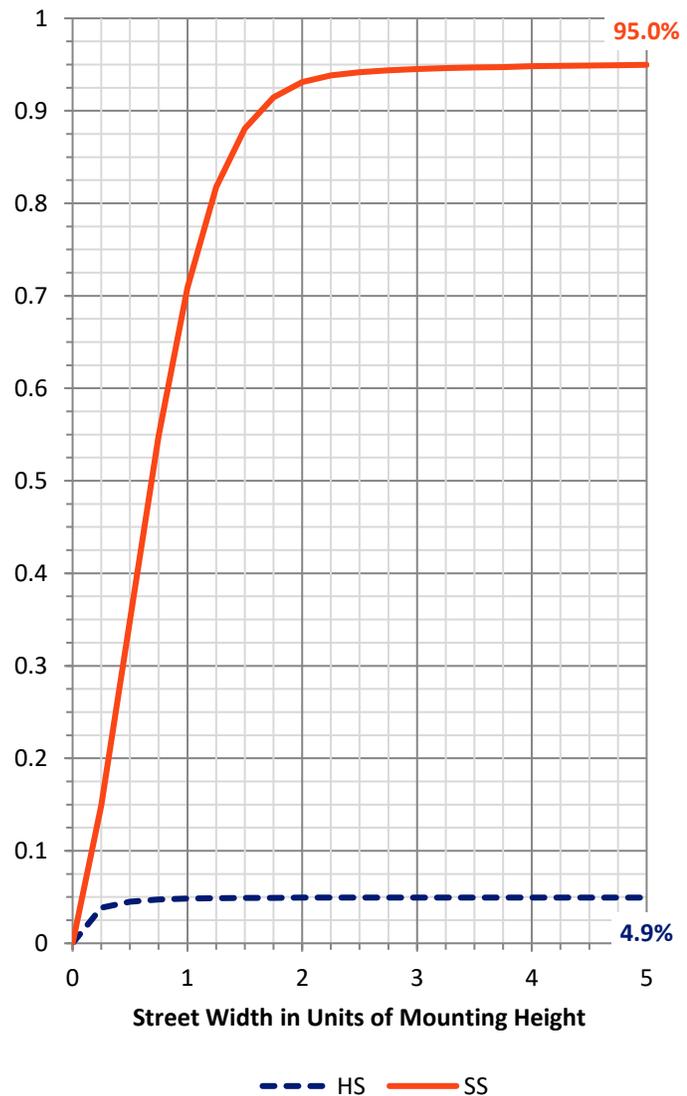
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	253.2	0.0	253.2
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4846.7	0.0	4846.7
	% Fixture	95.0	0.0	95.0
Total	Lumens	5100.0	0.0	5100.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	1.1
10°-20°	213.3	4.2
20°-30°	433.9	8.5
30°-40°	753.1	14.8
40°-50°	1064.1	20.9
50°-60°	1206.7	23.7
60°-70°	1000.8	19.6
70°-80°	362.5	7.1
80°-90°	11.8	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°	5100.0	100.0
0°-180°	5100.0	100.0



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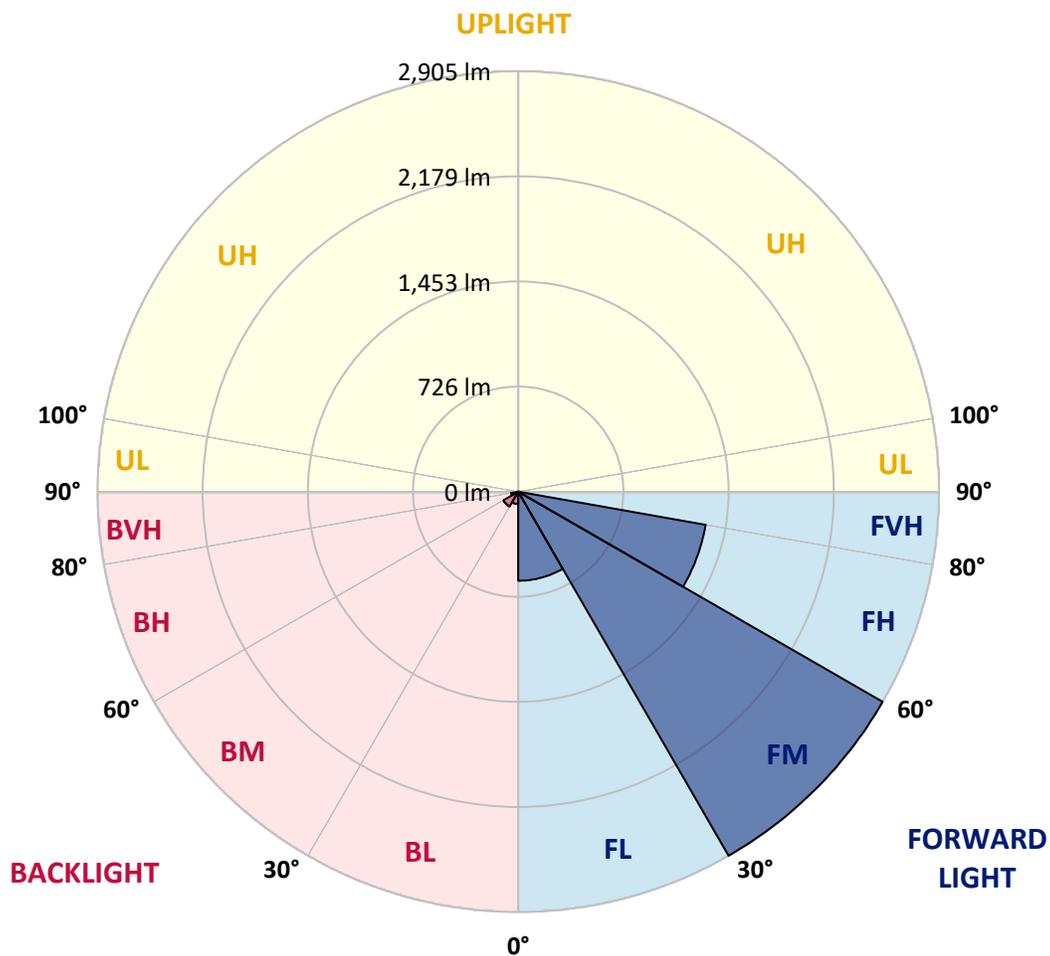
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	615.6	12.1			
FM	(30°-60°)	2905.4	57.0			
FH	(60°-80°)	1314.4	25.8			G1/1800
FVH	(80°-90°)	11.4	0.2			G1/100
BL	(0°-30°)	85.4	1.7	B0/110		
BM	(30°-60°)	118.5	2.3	B0/220		
BH	(60°-80°)	48.9	1.0	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: 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°	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6
2.5°	645.8	631.3	634.6	625.3	608.3	573.4	543.7	515.5	482.7	481.6	454.5
5°	870.8	858.6	857.0	838.0	807.2	747.9	690.3	624.6	551.3	545.9	488.5
7.5°	1075.1	1065.3	1061.7	1039.1	981.7	924.0	848.9	752.4	637.8	627.9	534.3
10°	1232.0	1227.3	1228.2	1212.1	1162.9	1109.3	1010.7	887.6	735.9	720.7	589.3
12.5°	1350.8	1352.0	1360.0	1350.2	1322.7	1282.9	1177.7	1031.7	844.5	823.7	652.1
15°	1438.2	1443.8	1458.6	1470.8	1468.8	1434.4	1337.9	1178.1	959.8	936.8	722.0
17.5°	1494.8	1501.0	1522.5	1549.7	1574.8	1566.7	1492.5	1319.3	1076.4	1049.8	796.9
20°	1544.4	1551.7	1574.8	1610.7	1657.4	1667.5	1618.8	1456.3	1192.9	1160.5	874.2
22.5°	1651.9	1651.6	1665.7	1686.7	1731.2	1757.1	1726.3	1583.5	1307.9	1274.2	953.1
25°	1846.3	1838.9	1834.0	1817.4	1827.3	1843.4	1826.2	1702.4	1423.7	1389.5	1033.1
27.5°	2077.3	2081.8	2042.0	1997.6	1963.1	1946.6	1918.4	1812.5	1535.0	1497.4	1111.3
30°	2321.1	2322.5	2275.5	2218.8	2143.0	2080.2	2031.5	1917.8	1649.4	1608.5	1187.3
32.5°	2541.0	2532.3	2485.8	2408.5	2312.9	2242.2	2141.0	2035.3	1770.5	1731.0	1271.7
35°	2715.3	2705.0	2648.5	2578.1	2478.9	2407.8	2286.0	2152.6	1897.9	1859.2	1356.4
37.5°	2842.7	2830.6	2772.5	2700.1	2614.5	2573.2	2454.3	2280.2	2036.9	1995.3	1445.6
40°	2886.9	2876.4	2840.0	2787.1	2718.2	2708.8	2632.9	2427.1	2188.2	2143.9	1546.6
42.5°	2860.6	2850.3	2837.3	2819.5	2790.9	2799.8	2801.4	2594.4	2356.2	2312.6	1658.1
45°	2756.0	2746.8	2760.2	2786.4	2821.9	2866.2	2955.1	2774.3	2543.9	2497.4	1787.0
47.5°	2602.0	2595.3	2632.4	2697.7	2801.6	2923.6	3095.7	2963.4	2754.6	2711.5	1947.9
50°	2383.0	2381.9	2456.1	2575.2	2735.0	2951.3	3240.9	3178.3	3047.4	3002.0	2171.6
52.5°	2042.0	2044.3	2190.2	2380.8	2618.1	2932.5	3334.3	3454.5	3387.9	3340.8	2365.4
55°	1717.3	1730.7	1834.2	2109.1	2438.9	2862.8	3366.5	3583.5	3575.9	3531.2	2473.1
57.5°	1399.3	1423.7	1523.4	1780.1	2177.2	2702.1	3348.8	3639.3	3715.8	3681.6	2615.2
60°	1054.8	1065.9	1180.8	1420.8	1841.3	2408.9	3220.8	3669.7	3907.1	3883.4	2821.5
62.5°	671.1	699.0	800.9	1032.4	1433.7	2001.8	3004.9	3669.3	4146.4	4159.3	3087.6
65°	353.5	386.1	440.2	639.8	985.3	1547.0	2680.2	3634.9	4440.0	4458.1	3295.7
67.5°	190.6	200.0	228.6	332.1	571.4	1048.0	2203.1	3465.0	4610.1	4634.0	3324.7
70°	139.4	144.6	155.3	183.7	287.6	608.7	1607.6	3080.0	4390.9	4381.9	2954.0
72.5°	107.0	115.1	123.1	134.5	165.4	324.9	1000.9	2411.9	3503.5	3444.5	2208.1
75°	84.5	85.8	97.2	107.5	124.0	185.0	444.5	1404.7	2138.3	1998.7	1145.0
77.5°	67.5	68.4	75.1	84.0	99.7	121.6	137.7	552.6	682.7	609.2	248.5
80°	40.0	42.2	55.9	64.8	82.7	76.6	50.3	120.0	106.6	96.5	41.8
82.5°	22.3	24.1	31.5	51.2	57.7	36.6	25.0	32.4	25.0	24.4	11.8
85°	0.0	1.1	20.3	31.7	23.5	8.0	10.5	10.7	7.4	6.9	4.7
87.5°	0.0	0.0	6.3	6.0	0.9	1.3	2.5	3.6	2.9	2.9	2.5
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°	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6
2.5°	441.1	429.1	406.3	383.9	365.1	349.7	335.9	330.3	325.8	325.1	321.6
5°	460.8	436.4	392.9	357.1	333.2	316.2	301.7	292.7	285.8	283.1	280.7
7.5°	490.5	453.6	391.1	349.9	321.3	292.7	265.9	236.9	218.8	211.8	207.8
10°	526.7	476.4	397.8	347.9	297.9	237.5	193.1	156.2	141.2	136.3	135.0
12.5°	568.9	504.8	409.4	335.4	247.8	168.7	133.2	120.7	117.3	115.8	115.8
15°	617.4	535.9	417.7	299.2	183.2	127.6	115.3	109.5	105.9	103.9	104.1
17.5°	667.0	566.3	413.6	246.7	135.2	113.5	104.4	98.1	93.2	91.2	90.7
20°	717.1	594.4	391.3	183.7	114.4	103.0	92.7	85.8	80.9	78.9	78.4
22.5°	768.9	618.3	352.0	134.7	102.8	91.4	81.3	74.4	69.7	67.9	67.0
25°	819.4	637.8	297.0	109.1	91.8	80.4	70.8	64.4	60.1	58.3	58.1
27.5°	866.6	650.1	233.3	96.3	82.2	70.6	61.9	56.1	52.5	51.2	50.9
30°	909.1	651.2	172.5	86.9	73.7	62.1	54.1	48.9	45.8	44.5	44.0
32.5°	952.0	641.8	125.6	78.4	65.9	54.7	46.9	42.9	40.7	39.6	39.6
35°	992.4	620.1	97.9	71.1	58.3	47.6	41.3	38.4	37.1	36.0	36.0
37.5°	1032.0	589.1	83.1	64.6	51.2	41.6	36.4	34.6	33.5	32.4	32.4
40°	1072.2	549.9	75.5	58.5	45.4	36.9	32.4	30.8	29.7	28.8	28.6
42.5°	1121.6	504.8	70.6	53.0	40.2	32.6	28.6	26.8	25.9	25.0	24.6
45°	1178.8	465.9	66.6	47.4	36.0	29.1	24.8	23.0	21.7	20.6	20.3
47.5°	1261.2	437.8	61.2	41.3	32.0	25.3	21.5	19.4	17.4	16.3	16.1
50°	1366.5	414.5	54.3	36.0	27.9	21.5	17.9	15.4	13.6	12.5	12.5
52.5°	1418.8	384.1	48.0	31.3	23.5	18.1	14.5	11.6	10.7	9.6	9.6
55°	1439.8	360.9	41.8	26.6	19.4	15.0	11.4	8.9	8.3	7.6	7.4
57.5°	1498.8	354.2	36.4	22.6	16.1	11.8	8.7	6.7	6.3	5.4	5.4
60°	1593.8	357.5	31.5	19.2	13.0	9.2	6.5	5.1	4.7	3.8	3.8
62.5°	1696.3	353.3	26.6	16.5	10.1	6.7	4.5	3.8	3.8	2.2	2.0
65°	1716.0	314.6	22.8	13.6	7.8	4.9	2.9	2.5	3.4	0.4	0.0
67.5°	1592.6	244.0	19.7	10.5	5.8	3.8	2.2	1.1	2.9	0.0	0.0
70°	1273.5	155.1	15.9	7.6	4.5	3.1	1.8	0.4	2.2	0.0	0.0
72.5°	900.6	90.1	12.5	5.4	3.8	2.5	1.3	0.0	1.3	0.0	0.0
75°	455.4	48.0	7.8	4.0	2.9	1.8	0.9	0.0	0.2	0.0	0.0
77.5°	98.5	22.3	4.9	2.9	2.0	1.1	0.4	0.0	0.0	0.0	0.0
80°	21.5	9.8	3.1	1.8	1.1	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	7.8	5.1	1.6	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.2	2.7	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.9	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)