

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: P1209636

Luminaire Tested: UPW-SA2-130-827-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209636
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-SA2-130-827-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1200mA 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: 8233 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

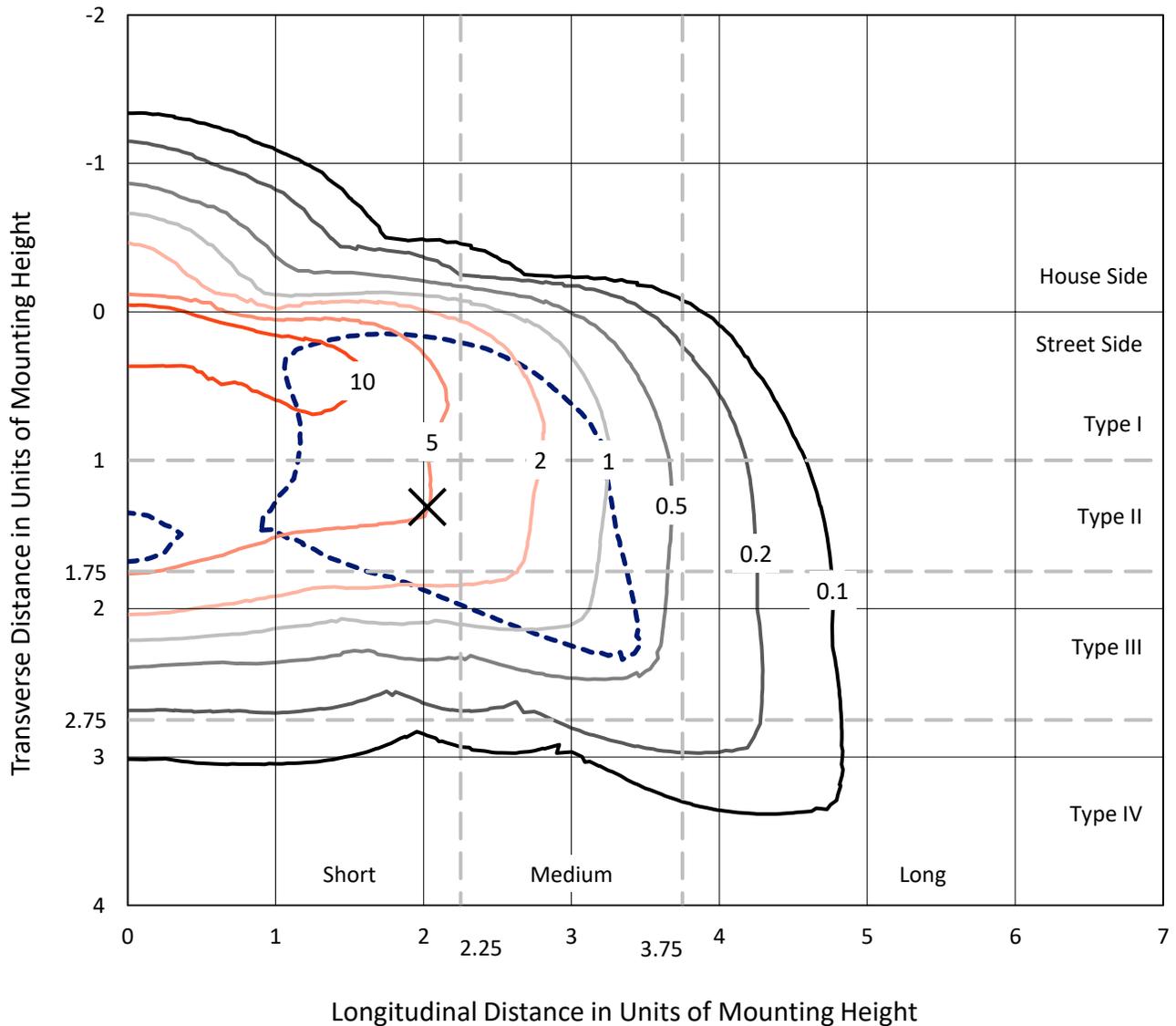
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

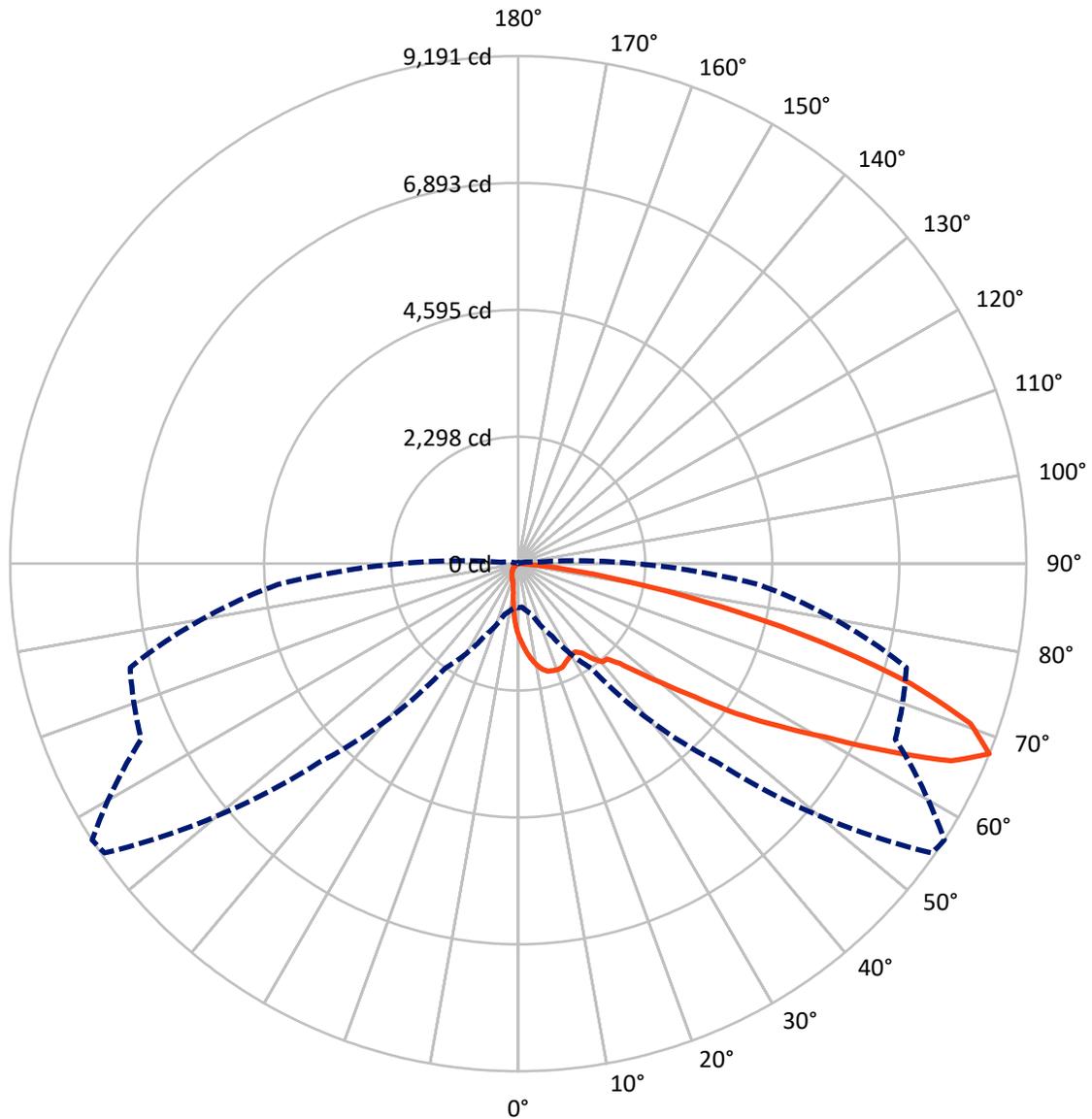
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.5 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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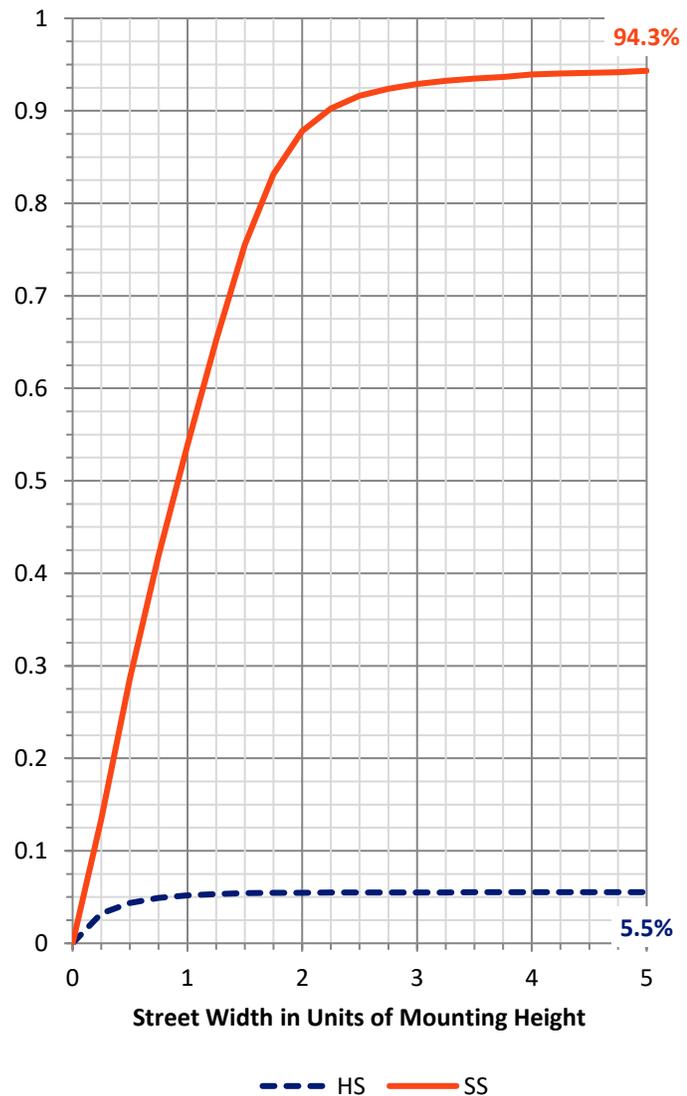
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.2	0.0	458.2
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	7774.8	0.0	7774.8
	% Fixture	94.4	0.0	94.4
Total	Lumens	8233.0	0.0	8233.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.4
10°-20°	306.2	3.7
20°-30°	448.2	5.4
30°-40°	674.0	8.2
40°-50°	1099.6	13.4
50°-60°	2081.2	25.3
60°-70°	2378.4	28.9
70°-80°	1038.1	12.6
80°-90°	89.7	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°	8233.0	100.0
0°-180°	8233.0	100.0

Coefficient of Utilization



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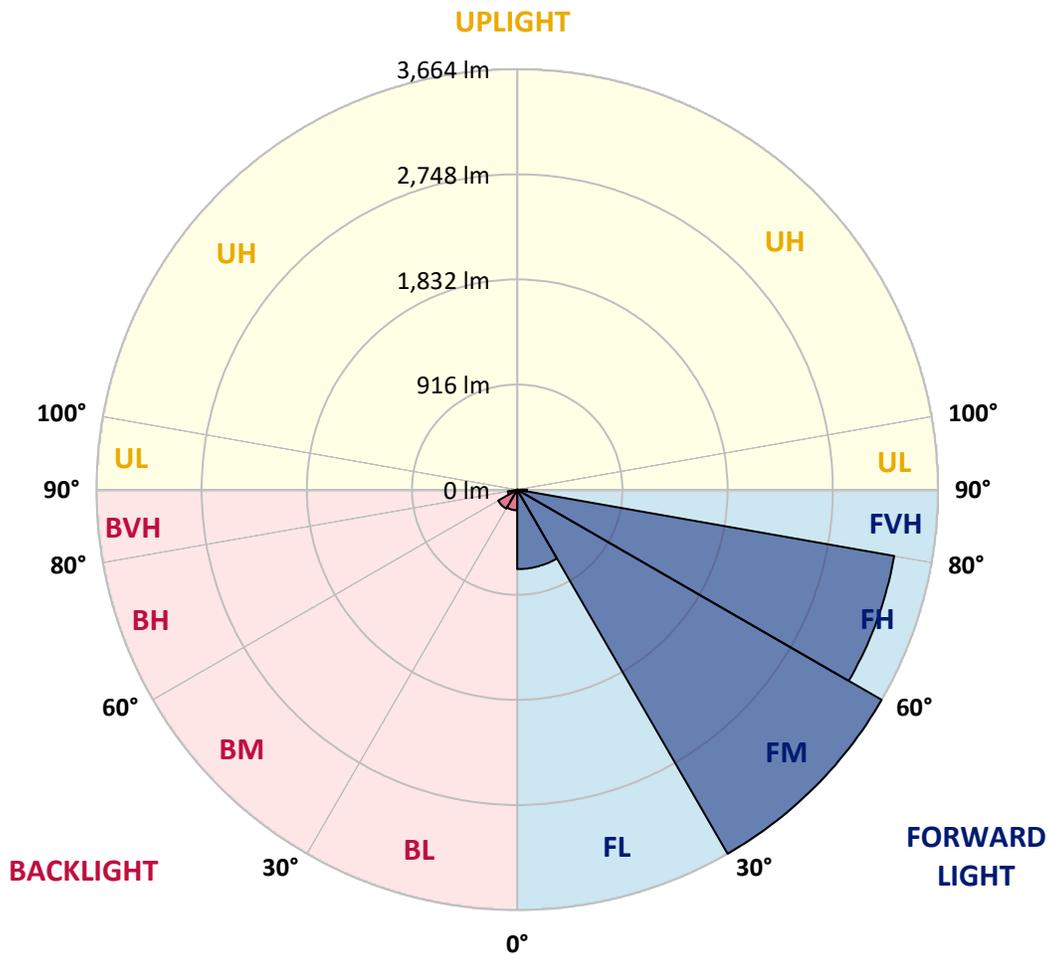
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	692.3	8.4			
FM	(30°-60°)	3663.9	44.5			
FH	(60°-80°)	3333.4	40.5			G2/5000
FVH	(80°-90°)	85.2	1.0			G1/100
BL	(0°-30°)	179.8	2.2	B1/500		
BM	(30°-60°)	190.9	2.3	B0/220		
BH	(60°-80°)	83.0	1.0	B0/110		G0/110
BVH	(80°-90°)	4.5	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°	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8
2.5°	1546.2	1559.0	1564.1	1542.4	1521.9	1506.6	1475.9	1456.8	1427.4	1391.6	1341.8
5°	1773.7	1772.4	1759.6	1743.0	1734.1	1685.5	1634.4	1614.0	1566.7	1477.2	1380.1
7.5°	1859.3	1867.0	1875.9	1865.7	1850.4	1824.8	1764.7	1749.4	1680.4	1564.1	1427.4
10°	1819.7	1832.5	1847.8	1874.6	1925.8	1934.7	1888.7	1872.1	1789.0	1661.2	1467.0
12.5°	1637.0	1656.1	1681.7	1768.6	1887.4	1961.5	1971.8	1966.6	1896.4	1748.1	1495.1
15°	1394.2	1373.7	1440.2	1560.3	1755.8	1925.8	2017.8	2021.6	1985.8	1829.9	1525.8
17.5°	1211.4	1230.6	1260.0	1350.7	1553.9	1798.0	2011.4	2035.7	2052.3	1916.8	1561.6
20°	1180.8	1182.0	1194.8	1244.6	1350.7	1644.6	1989.6	2047.2	2134.0	2002.4	1576.9
22.5°	1210.1	1202.5	1208.9	1219.1	1285.5	1488.7	1943.6	2036.9	2182.6	2108.5	1608.8
25°	1248.5	1257.4	1245.9	1233.1	1271.5	1418.4	1890.0	1985.8	2255.4	2203.1	1622.9
27.5°	1355.8	1360.9	1330.3	1284.3	1298.3	1386.5	1806.9	1944.9	2365.3	2309.1	1645.9
30°	1530.9	1525.8	1461.9	1386.5	1354.5	1406.9	1754.5	1900.2	2424.1	2390.9	1634.4
32.5°	1661.2	1651.0	1588.4	1510.4	1454.2	1484.9	1754.5	1905.3	2543.0	2534.0	1656.1
35°	1778.8	1769.9	1691.9	1629.3	1580.7	1608.8	1852.9	1988.4	2712.9	2799.8	1732.8
37.5°	1906.6	1882.3	1821.0	1712.4	1697.0	1805.6	2065.0	2177.5	2982.6	3046.5	1735.4
40°	2108.5	2088.0	1989.6	1877.2	1794.1	1952.6	2231.2	2338.5	3173.0	3244.5	1725.1
42.5°	2385.8	2337.2	2215.8	2052.3	1919.4	2031.8	2250.3	2361.5	3317.4	3552.5	1823.5
45°	2687.4	2673.3	2504.6	2293.8	2153.2	2139.2	2453.5	2576.2	3638.1	4049.6	2036.9
47.5°	3123.1	3013.2	2790.9	2566.0	2445.9	2351.3	2765.3	2951.9	4029.1	4631.0	2355.1
50°	3581.9	3518.0	3179.3	2868.8	2721.9	2687.4	3258.6	3427.3	4530.1	5285.3	2885.4
52.5°	4363.9	4217.0	3759.5	3368.5	3114.2	3081.0	3795.3	4011.2	5094.9	6066.1	3420.9
55°	4890.4	4799.7	4339.7	4044.5	3710.9	3610.0	4555.6	4792.0	5786.2	6747.2	3956.3
57.5°	5059.1	4947.9	4533.9	4462.3	4385.7	4443.2	5344.1	5540.9	6265.4	7278.8	4430.4
60°	4383.1	4379.3	4142.9	4329.4	4709.0	5373.5	6275.6	6362.5	6653.9	7604.6	4725.6
62.5°	3152.5	3142.3	3189.6	3652.2	4360.1	6003.5	7557.3	7460.2	6991.2	7786.1	4885.3
65°	1634.4	1642.1	1879.8	2489.3	3507.8	5954.9	8730.4	8607.8	7199.5	7674.9	4772.9
67.5°	797.4	791.0	945.6	1447.8	2316.8	5084.7	9133.0	9190.5	7526.7	7267.3	4366.5
70°	397.4	402.5	515.0	764.2	1265.1	3652.2	8434.0	8678.0	7225.1	6399.6	3718.6
72.5°	279.9	283.7	350.1	453.6	591.7	2217.1	7000.2	7420.6	6030.3	5091.0	2620.9
75°	200.6	207.0	256.9	338.6	328.4	1113.0	5410.5	5659.7	4371.6	3143.6	1389.0
77.5°	145.7	154.6	200.6	260.7	227.5	467.7	3746.7	3740.3	2466.3	1493.8	562.3
80°	95.8	102.2	148.2	193.0	162.3	217.2	2195.4	2067.6	1091.3	572.5	204.5
82.5°	53.7	56.2	99.7	134.2	112.5	102.2	981.4	904.7	369.3	209.6	95.8
85°	3.8	6.4	58.8	84.3	60.1	51.1	274.7	249.2	118.8	95.8	51.1
87.5°	0.0	0.0	7.7	15.3	10.2	7.7	66.4	57.5	35.8	56.2	25.6
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°	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8	1309.8
2.5°	1321.3	1285.5	1231.9	1179.5	1128.4	1082.4	1049.1	1015.9	1001.9	969.9	1024.9
5°	1329.0	1265.1	1137.3	1013.4	906.0	791.0	715.6	661.9	635.1	610.8	612.1
7.5°	1336.7	1239.5	1042.7	833.2	678.6	557.2	489.4	465.1	454.9	442.1	442.1
10°	1327.7	1198.6	907.3	655.5	498.4	433.2	396.1	387.2	392.3	391.0	394.9
12.5°	1327.7	1150.1	769.3	511.1	408.9	370.6	360.4	359.1	366.7	371.9	374.4
15°	1311.1	1076.0	631.3	419.1	357.8	343.7	339.9	339.9	345.0	350.1	348.9
17.5°	1297.0	1001.9	516.3	360.4	327.1	323.3	320.7	318.2	324.6	329.7	331.0
20°	1262.5	898.3	425.5	324.6	306.7	301.6	300.3	297.7	304.1	309.2	313.1
22.5°	1212.7	780.8	364.2	297.7	288.8	282.4	278.6	279.9	286.2	291.4	288.8
25°	1146.3	677.3	319.5	278.6	265.8	262.0	256.9	259.4	260.7	265.8	269.6
27.5°	1073.4	576.3	290.1	263.2	250.5	242.8	236.4	235.1	236.4	242.8	240.2
30°	966.1	488.1	269.6	245.4	231.3	221.1	213.4	209.6	208.3	209.6	210.8
32.5°	884.3	429.4	255.6	231.3	213.4	200.6	191.7	184.0	181.5	178.9	178.9
35°	831.9	397.4	241.5	212.1	195.5	182.7	168.7	159.7	154.6	152.1	153.3
37.5°	719.4	342.5	224.9	198.1	178.9	163.6	149.5	135.5	131.6	134.2	134.2
40°	624.9	293.9	209.6	181.5	159.7	145.7	130.3	113.7	111.2	118.8	120.1
42.5°	589.1	272.2	195.5	166.1	143.1	131.6	111.2	98.4	98.4	104.8	106.1
45°	632.5	265.8	182.7	152.1	129.1	116.3	95.8	84.3	84.3	90.7	92.0
47.5°	770.6	276.0	170.0	138.0	118.8	102.2	79.2	74.1	74.1	76.7	78.0
50°	1063.2	309.2	157.2	124.0	108.6	86.9	69.0	63.9	62.6	63.9	63.9
52.5°	1435.1	375.7	143.1	111.2	95.8	72.8	60.1	54.9	51.1	51.1	49.8
55°	1810.7	447.3	129.1	98.4	83.1	62.6	51.1	46.0	39.6	37.1	35.8
57.5°	2141.7	504.8	112.5	86.9	71.6	53.7	44.7	34.5	25.6	20.4	20.4
60°	2347.5	520.1	97.1	75.4	58.8	46.0	35.8	23.0	12.8	10.2	8.9
62.5°	2385.8	471.5	83.1	63.9	49.8	38.3	25.6	12.8	5.1	1.3	1.3
65°	2282.3	371.9	71.6	53.7	40.9	30.7	16.6	6.4	0.0	0.0	0.0
67.5°	2108.5	292.6	60.1	44.7	34.5	24.3	10.2	1.3	0.0	0.0	0.0
70°	1838.9	233.9	52.4	38.3	29.4	20.4	6.4	0.0	0.0	0.0	0.0
72.5°	1354.5	154.6	46.0	34.5	25.6	15.3	3.8	0.0	0.0	0.0	0.0
75°	741.2	98.4	42.2	31.9	24.3	12.8	2.6	0.0	0.0	0.0	0.0
77.5°	300.3	69.0	37.1	30.7	24.3	12.8	2.6	0.0	0.0	0.0	0.0
80°	113.7	48.6	31.9	26.8	23.0	12.8	2.6	0.0	0.0	0.0	0.0
82.5°	60.1	39.6	30.7	26.8	21.7	11.5	1.3	0.0	0.0	0.0	0.0
85°	29.4	12.8	15.3	15.3	17.9	10.2	1.3	0.0	0.0	0.0	0.0
87.5°	6.4	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)