

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: P1208824

Luminaire Tested: UPW-SA2-070-740-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208824
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-740-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6826 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

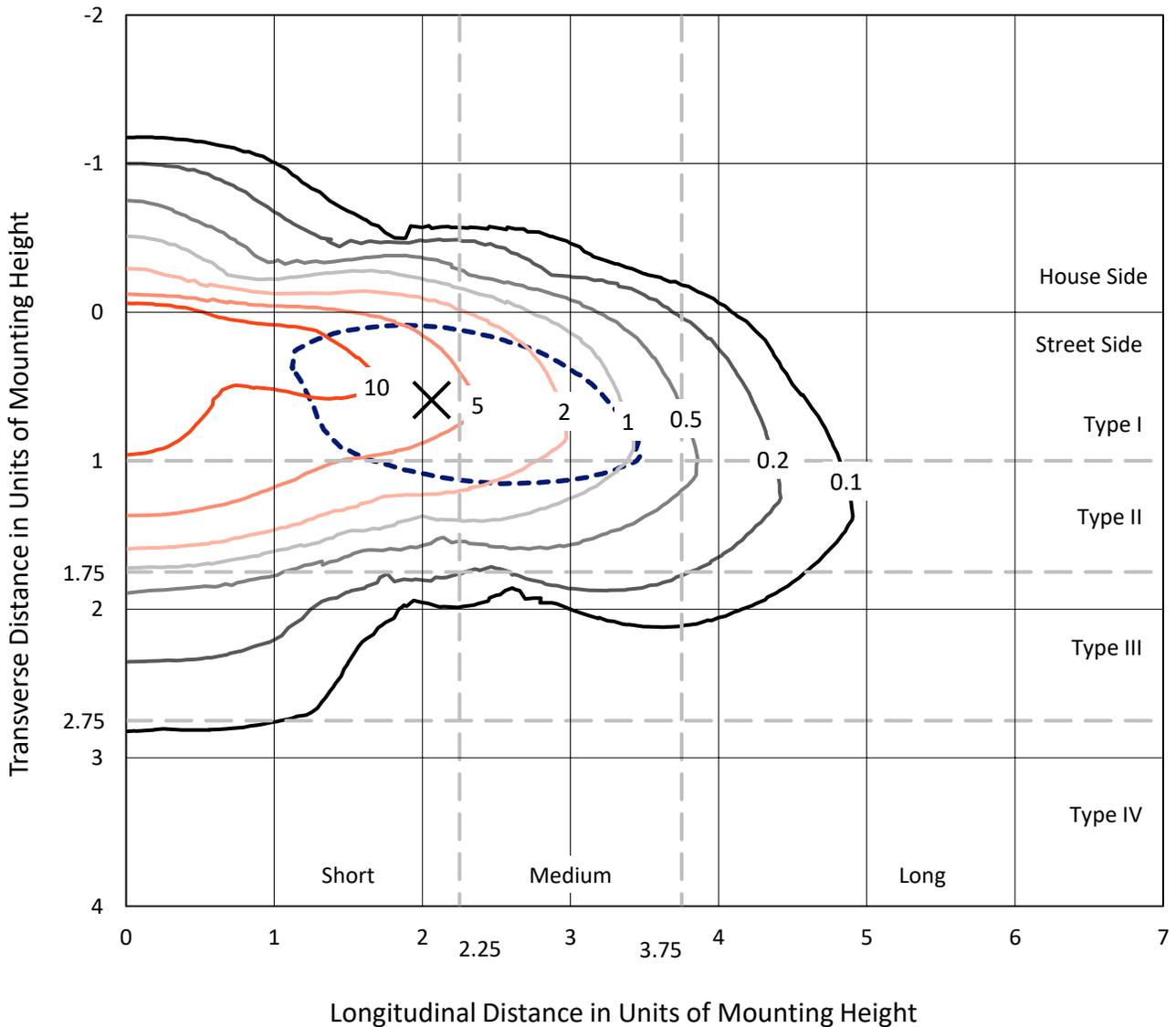
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

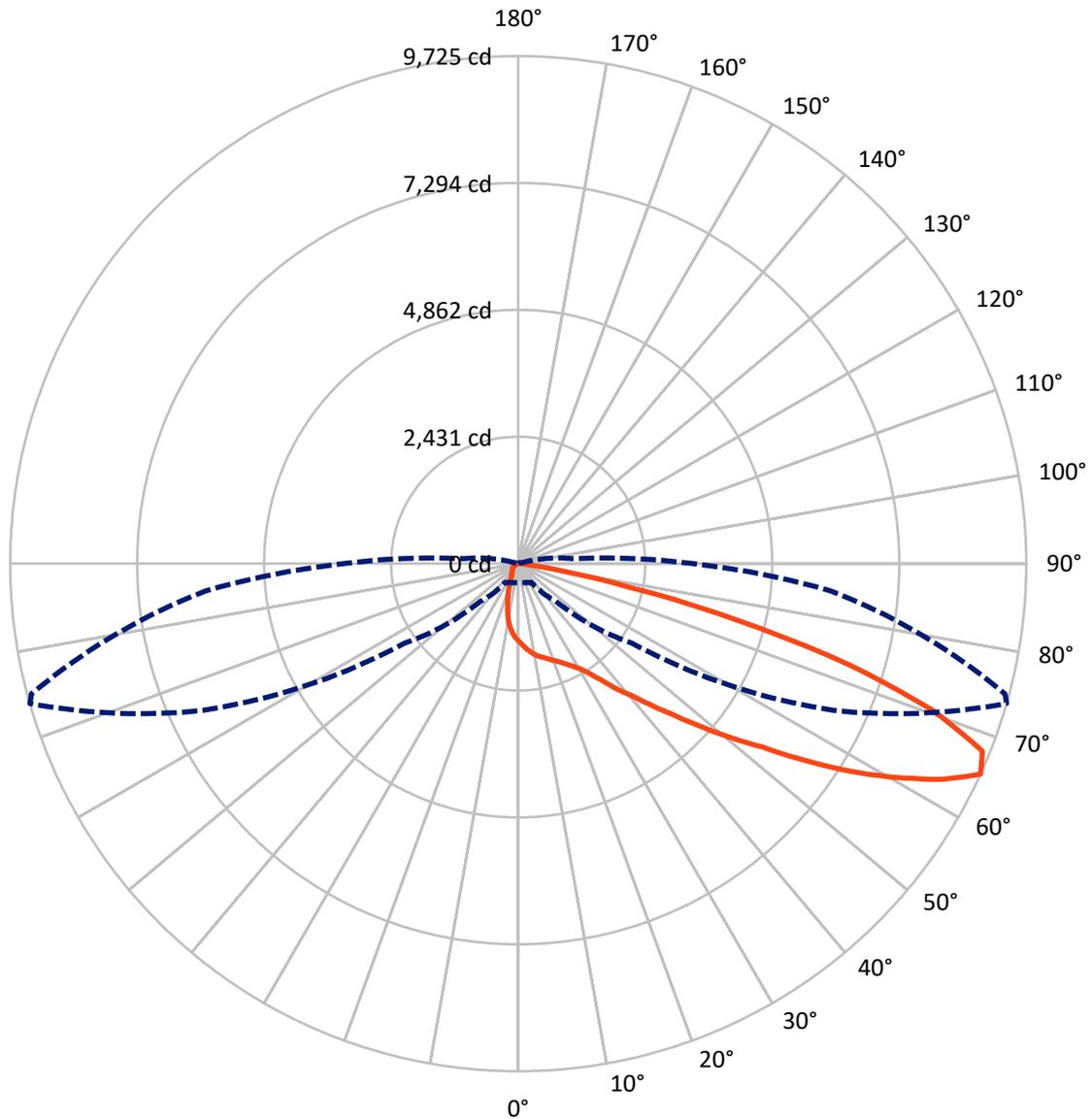
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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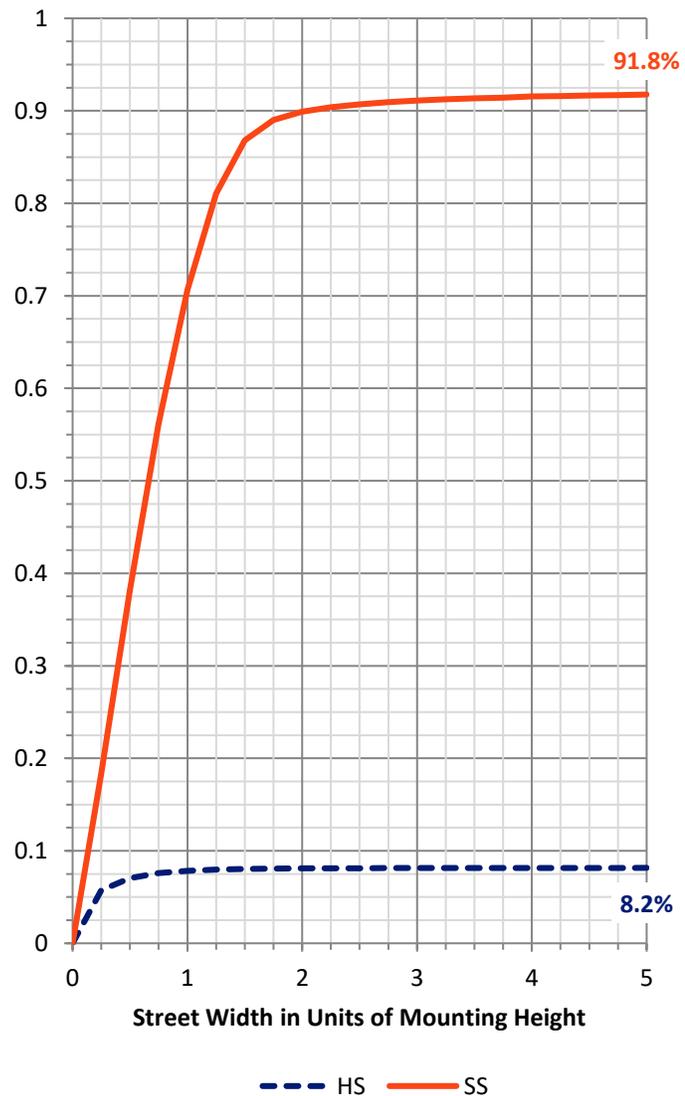
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	561.1	0.0	561.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	6264.9	0.0	6264.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	6826.0	0.0	6826.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	1.9
10°-20°	311.1	4.6
20°-30°	485.0	7.1
30°-40°	765.6	11.2
40°-50°	1190.8	17.4
50°-60°	1721.4	25.2
60°-70°	1555.9	22.8
70°-80°	625.4	9.2
80°-90°	43.9	0.6
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°	6826.0	100.0
0°-180°	6826.0	100.0



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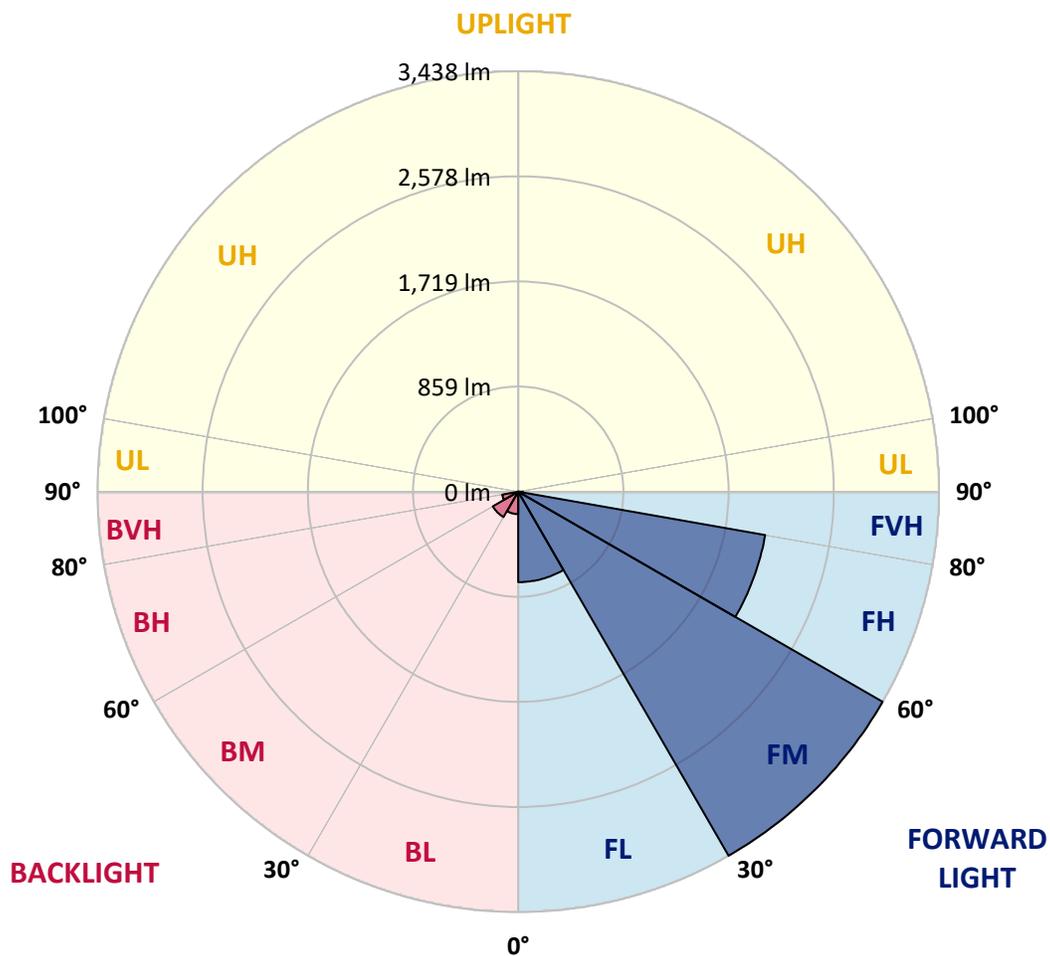
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	739.5	10.8			
FM	(30°-60°)	3437.7	50.4			
FH	(60°-80°)	2048.7	30.0			G2/5000
FVH	(80°-90°)	39.0	0.6			G1/100
BL	(0°-30°)	183.5	2.7	B1/500		
BM	(30°-60°)	240.1	3.5	B1/1000		
BH	(60°-80°)	132.6	1.9	B1/500		G1/500
BVH	(80°-90°)	4.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2
2.5°	1678.2	1672.0	1675.1	1661.5	1659.4	1645.9	1615.6	1585.3	1557.1	1549.8	1515.4
5°	1800.3	1797.2	1794.1	1792.0	1782.6	1772.1	1729.4	1688.7	1636.5	1627.1	1555.1
7.5°	1832.7	1829.5	1835.8	1846.2	1852.5	1847.3	1816.0	1776.3	1710.6	1700.1	1595.8
10°	1760.7	1757.5	1785.7	1826.4	1864.0	1891.1	1879.6	1844.2	1775.3	1764.8	1623.9
12.5°	1602.0	1597.9	1643.8	1727.3	1816.0	1893.2	1916.2	1892.2	1827.5	1816.0	1646.9
15°	1457.0	1450.7	1496.6	1581.2	1692.8	1842.1	1929.7	1937.0	1870.2	1862.9	1672.0
17.5°	1379.7	1380.8	1408.9	1478.9	1586.4	1749.2	1915.1	1978.8	1927.7	1918.3	1699.1
20°	1411.0	1413.1	1416.3	1443.4	1508.1	1667.8	1882.8	2023.7	1984.0	1973.6	1733.5
22.5°	1501.8	1507.1	1498.7	1484.1	1492.4	1608.3	1849.4	2072.7	2048.7	2038.3	1757.5
25°	1670.9	1664.6	1638.6	1580.1	1538.4	1590.5	1837.9	2129.1	2130.1	2117.6	1786.8
27.5°	1872.3	1855.6	1824.3	1731.4	1629.2	1619.8	1834.8	2189.6	2225.1	2207.4	1820.2
30°	2043.5	2035.1	1996.5	1911.0	1757.5	1687.6	1843.1	2248.1	2337.8	2328.4	1864.0
32.5°	2154.1	2152.0	2123.9	2066.5	1931.8	1797.2	1879.6	2327.4	2507.9	2476.6	1947.5
35°	2247.0	2237.6	2215.7	2178.1	2096.7	1946.4	1956.9	2454.7	2737.5	2728.1	2081.1
37.5°	2352.4	2340.9	2314.9	2267.9	2211.5	2122.8	2080.0	2619.6	3029.8	3025.6	2257.4
40°	2474.5	2467.2	2441.1	2378.5	2308.6	2255.4	2208.4	2789.7	3312.6	3283.4	2420.3
42.5°	2594.6	2596.6	2576.8	2512.1	2417.1	2345.1	2360.8	2963.0	3681.0	3666.4	2673.9
45°	2731.3	2724.0	2713.5	2666.6	2564.3	2416.1	2506.9	3203.0	4108.9	4145.4	3042.3
47.5°	2827.3	2825.2	2846.1	2810.6	2726.1	2529.8	2657.2	3500.5	4634.9	4669.4	3447.2
50°	2852.3	2849.2	2919.1	2948.4	2945.2	2750.1	2863.8	3877.2	5213.1	5207.9	3900.2
52.5°	2691.6	2698.9	2834.6	2990.1	3135.2	3089.3	3236.4	4395.9	5831.0	5848.7	4326.0
55°	2230.3	2276.2	2426.5	2786.6	3168.6	3434.7	3716.5	5109.8	6646.1	6599.1	4661.0
57.5°	1398.5	1374.5	1628.1	2150.0	2757.4	3460.8	4104.7	5826.8	7516.5	7457.0	5153.6
60°	712.8	681.5	829.7	1199.2	1914.1	2908.7	4113.1	6451.9	8319.1	8252.3	5651.5
62.5°	436.3	431.0	461.3	585.5	991.5	1962.1	3564.1	6829.7	9103.9	9050.7	5988.6
65°	367.4	366.3	377.8	397.6	439.4	1018.6	2659.3	6645.0	9724.9	9647.6	6008.4
67.5°	325.6	325.6	349.6	359.0	292.2	438.3	1631.2	5876.9	9579.8	9565.2	5589.9
70°	280.7	276.6	310.0	338.1	243.2	225.4	840.2	4721.5	8416.1	8464.1	4761.2
72.5°	211.9	216.0	250.5	288.1	199.3	158.6	384.1	3304.2	6627.3	6650.2	3741.5
75°	159.7	163.9	194.1	235.9	160.7	120.0	211.9	2146.8	4340.6	4392.8	2185.4
77.5°	122.1	123.2	153.4	195.2	124.2	91.8	143.0	1192.9	2200.0	2153.1	849.5
80°	84.5	87.7	120.0	151.3	99.1	68.9	96.0	516.6	794.2	732.7	264.0
82.5°	31.3	40.7	84.5	109.6	69.9	49.1	71.0	207.7	232.7	218.1	97.1
85°	5.2	5.2	45.9	80.4	37.6	29.2	44.9	72.0	76.2	80.4	50.1
87.5°	0.0	0.0	5.2	17.7	6.3	4.2	12.5	17.7	36.5	40.7	27.1
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°	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2	1487.2
2.5°	1492.4	1470.5	1426.7	1389.1	1330.7	1279.5	1247.2	1222.1	1203.3	1181.4	1159.5
5°	1509.1	1458.0	1350.5	1229.4	1105.2	993.6	901.7	818.2	764.0	757.7	731.6
7.5°	1523.8	1442.3	1260.7	1045.8	855.8	694.0	580.3	510.4	449.8	431.0	439.4
10°	1523.8	1415.2	1141.8	846.4	617.9	453.0	369.5	323.5	306.8	299.5	293.3
12.5°	1519.6	1371.4	992.5	659.6	430.0	329.8	292.2	275.5	266.1	262.0	259.9
15°	1513.3	1318.1	845.4	492.6	328.8	282.8	264.0	251.5	243.2	239.0	235.9
17.5°	1509.1	1262.8	711.8	373.6	283.9	257.8	242.1	229.6	222.3	216.0	215.0
20°	1496.6	1198.1	582.4	306.8	257.8	235.9	219.2	207.7	200.4	193.1	193.1
22.5°	1476.8	1106.3	460.3	267.2	235.9	214.0	196.2	184.7	177.4	173.2	171.2
25°	1451.7	1015.5	365.3	244.2	215.0	191.0	175.3	163.9	157.6	155.5	153.4
27.5°	1423.6	924.7	300.6	225.4	195.2	172.2	154.5	146.1	141.9	139.9	137.8
30°	1400.6	842.2	260.9	209.8	176.4	153.4	137.8	130.5	127.3	126.3	124.2
32.5°	1402.7	772.3	233.8	192.0	161.8	138.8	123.2	115.8	115.8	114.8	114.8
35°	1441.3	728.5	215.0	176.4	146.1	124.2	110.6	104.4	106.5	106.5	105.4
37.5°	1483.0	684.6	197.3	159.7	132.5	110.6	97.1	93.9	95.0	96.0	96.0
40°	1537.3	652.3	182.6	144.0	119.0	99.1	87.7	84.5	84.5	84.5	83.5
42.5°	1660.5	649.2	170.1	130.5	106.5	87.7	79.3	75.1	73.1	72.0	69.9
45°	1833.7	672.1	161.8	117.9	93.9	79.3	72.0	66.8	60.5	57.4	56.4
47.5°	2057.1	731.6	154.5	106.5	82.4	72.0	64.7	57.4	49.1	44.9	43.8
50°	2335.7	824.5	147.2	97.1	74.1	64.7	56.4	47.0	38.6	34.4	34.4
52.5°	2596.6	934.1	139.9	88.7	65.8	59.5	48.0	37.6	30.3	27.1	26.1
55°	2831.5	1057.2	131.5	79.3	59.5	52.2	39.7	29.2	21.9	18.8	17.7
57.5°	3114.3	1212.7	121.1	69.9	53.2	44.9	31.3	20.9	14.6	10.4	9.4
60°	3423.2	1291.0	107.5	61.6	45.9	37.6	24.0	14.6	8.3	4.2	4.2
62.5°	3523.4	1252.4	90.8	53.2	39.7	30.3	17.7	9.4	3.1	0.0	0.0
65°	3340.8	1072.9	77.2	47.0	34.4	23.0	12.5	5.2	0.0	0.0	0.0
67.5°	2920.2	834.9	63.7	40.7	29.2	18.8	8.3	1.0	0.0	0.0	0.0
70°	2410.9	618.9	53.2	33.4	25.0	14.6	5.2	0.0	0.0	0.0	0.0
72.5°	1860.9	439.4	45.9	28.2	20.9	11.5	3.1	0.0	0.0	0.0	0.0
75°	1051.0	235.9	41.7	28.2	18.8	9.4	2.1	0.0	0.0	0.0	0.0
77.5°	434.2	108.5	36.5	28.2	18.8	10.4	3.1	0.0	0.0	0.0	0.0
80°	135.7	55.3	31.3	29.2	19.8	11.5	3.1	0.0	0.0	0.0	0.0
82.5°	63.7	42.8	32.4	27.1	17.7	10.4	3.1	0.0	0.0	0.0	0.0
85°	33.4	21.9	23.0	23.0	15.7	9.4	3.1	0.0	0.0	0.0	0.0
87.5°	9.4	1.0	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)