

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: P1208528

Luminaire Tested: UPW-SA1-070-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7238 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

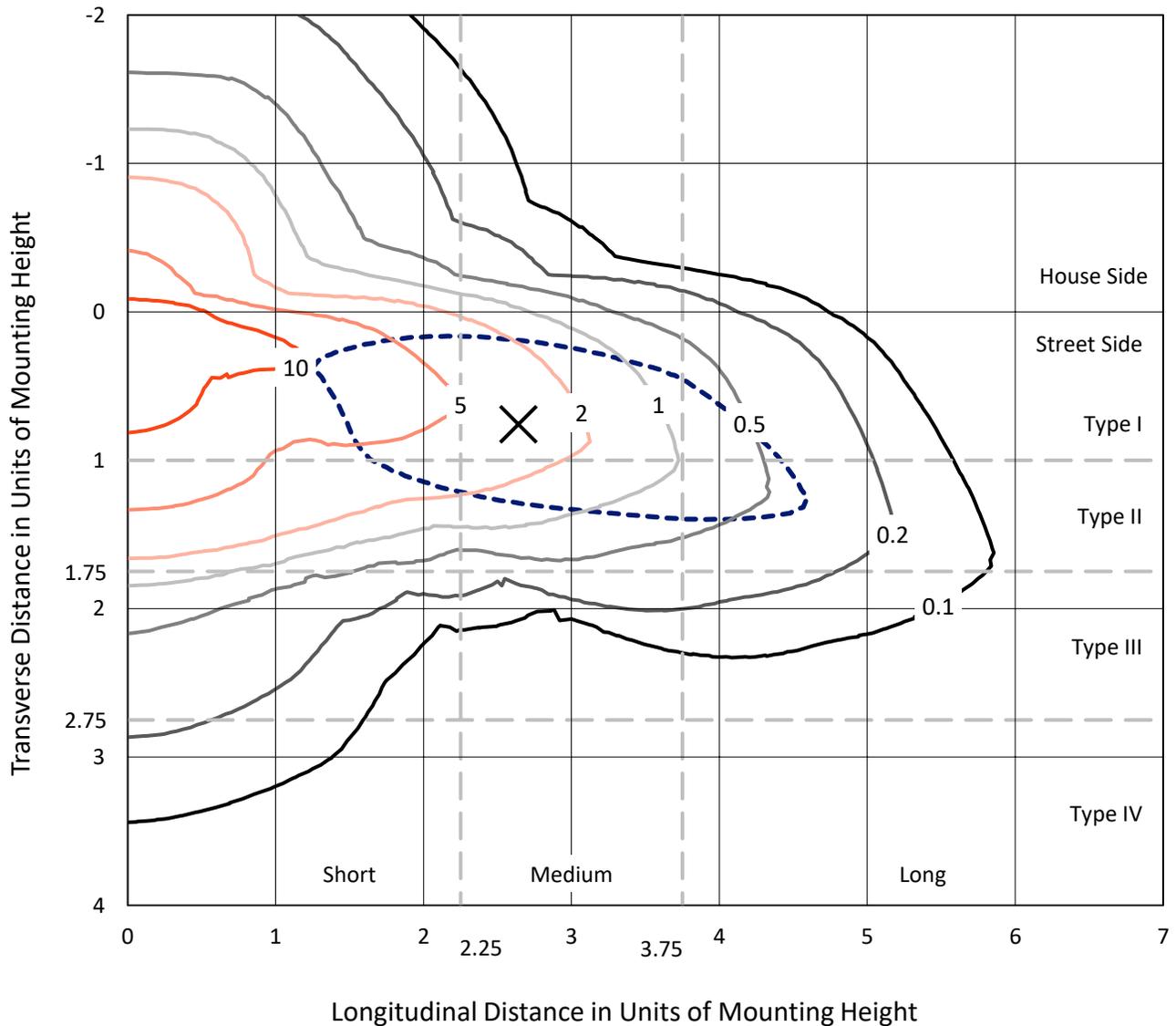


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

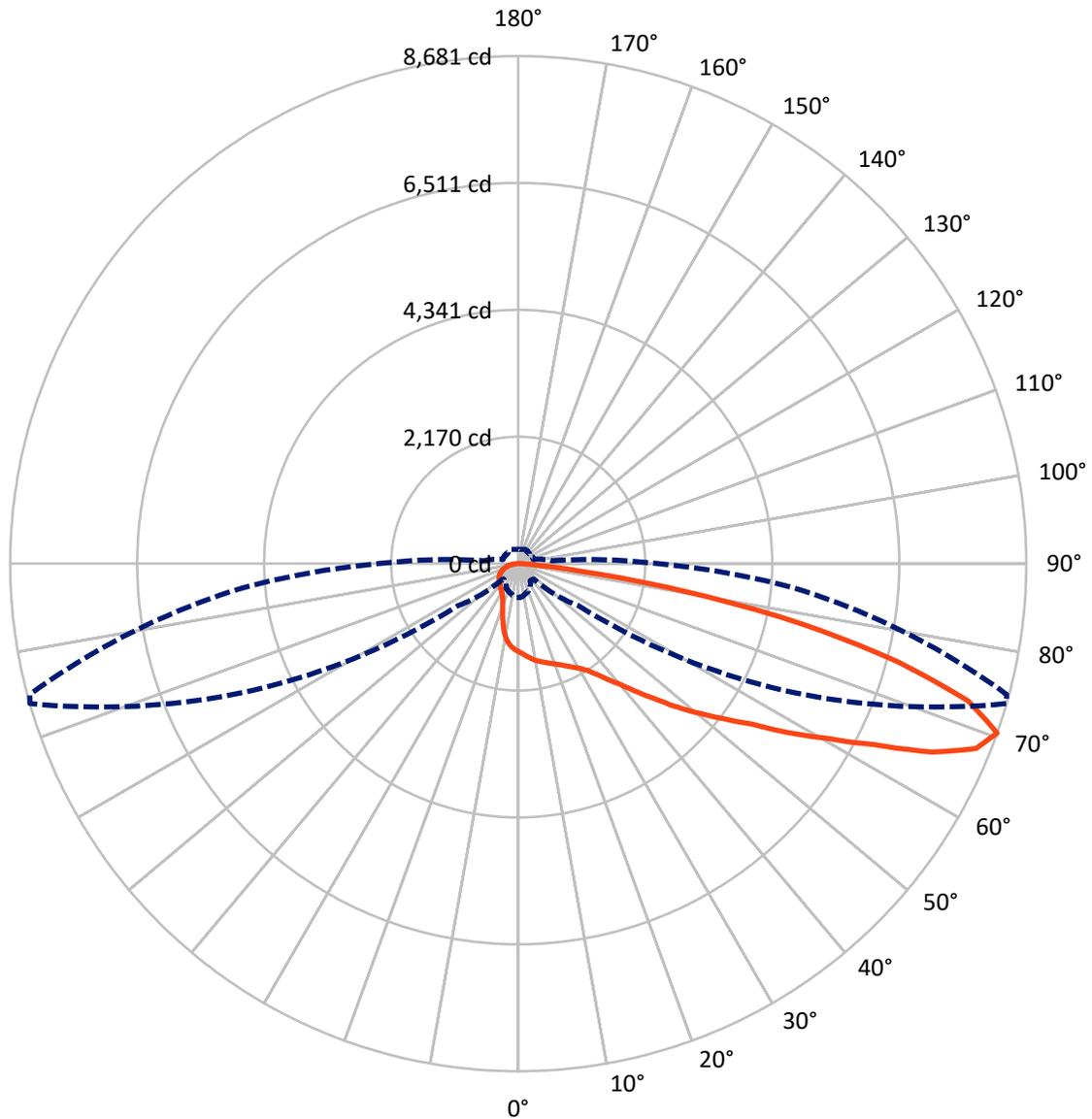


Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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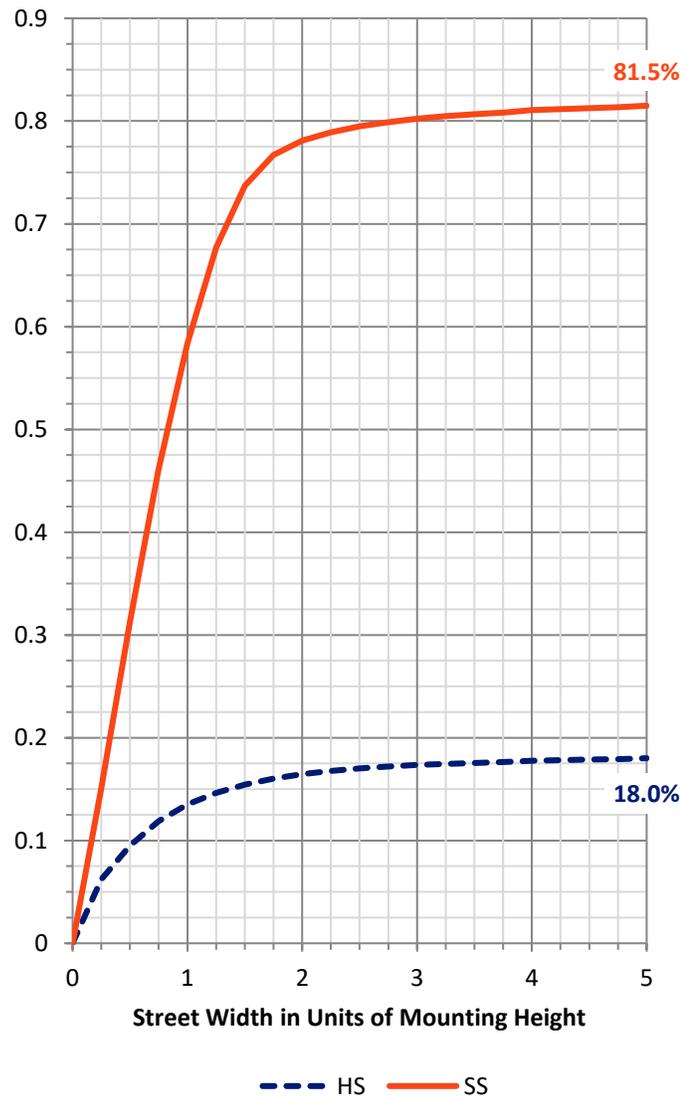
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1324.8	0.0	1324.8
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	5913.2	0.0	5913.2
	% Fixture	81.7	0.0	81.7
Total	Lumens	7238.0	0.0	7238.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	1.8
10°-20°	348.2	4.8
20°-30°	551.4	7.6
30°-40°	821.6	11.4
40°-50°	1133.0	15.7
50°-60°	1519.5	21.0
60°-70°	1576.9	21.8
70°-80°	997.9	13.8
80°-90°	157.1	2.2
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°	7238.0	100.0
0°-180°	7238.0	100.0



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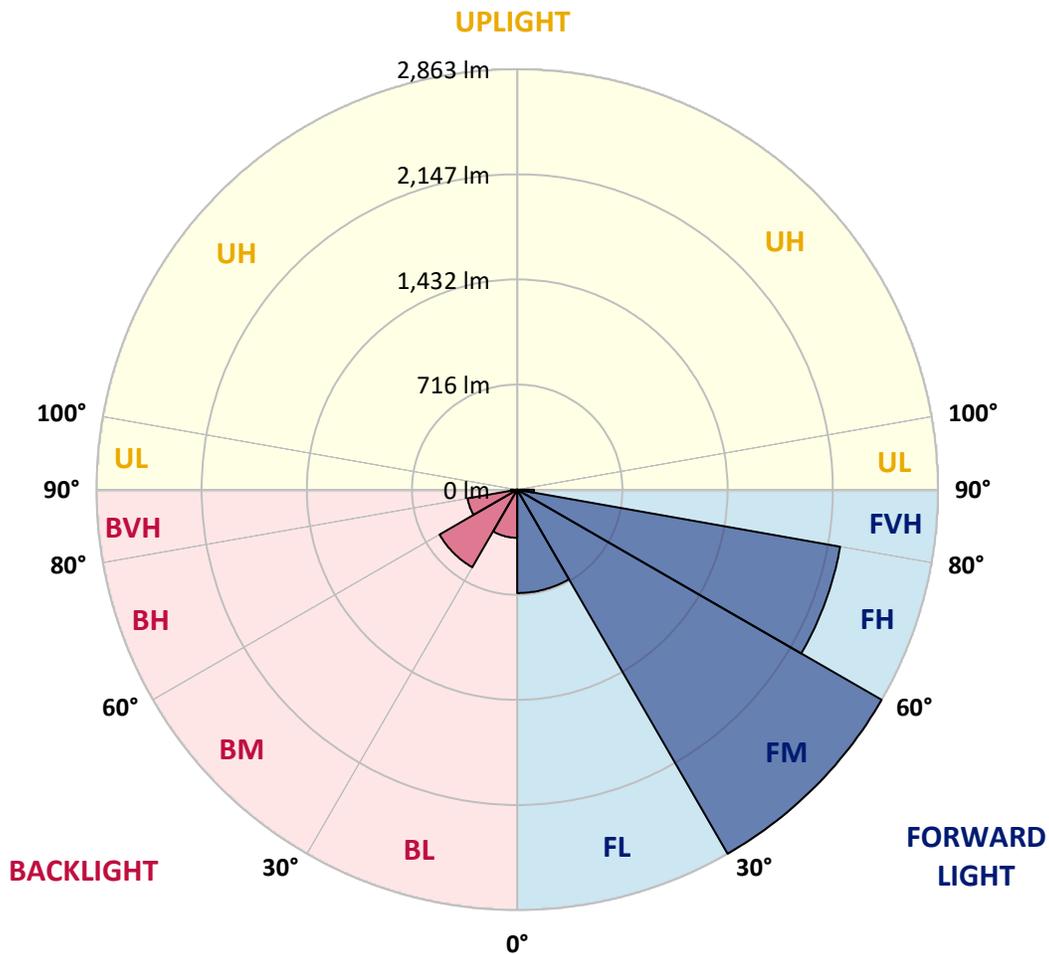
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.1	9.7			
FM	(30°-60°)	2863.3	39.6			
FH	(60°-80°)	2231.7	30.8			G2/5000
FVH	(80°-90°)	114.1	1.6			G2/225
BL	(0°-30°)	327.9	4.5	B1/500		
BM	(30°-60°)	610.9	8.4	B1/1000		
BH	(60°-80°)	343.1	4.7	B1/500		G1/500
BVH	(80°-90°)	42.9	0.6			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2
2.5°	1611.7	1609.3	1603.6	1603.6	1601.2	1595.5	1579.3	1562.3	1546.1	1544.5	1523.4
5°	1678.1	1674.1	1673.2	1673.2	1670.0	1664.3	1642.5	1619.0	1595.5	1590.6	1552.6
7.5°	1709.7	1706.4	1707.3	1711.3	1717.8	1712.9	1693.5	1673.2	1641.7	1637.6	1580.9
10°	1692.7	1695.1	1704.8	1727.5	1743.7	1752.6	1736.4	1717.8	1685.4	1680.5	1603.6
12.5°	1585.0	1592.3	1623.0	1681.3	1742.9	1776.9	1776.1	1756.7	1717.8	1713.7	1621.4
15°	1422.2	1413.3	1470.0	1563.1	1674.9	1771.2	1802.8	1793.9	1755.0	1749.4	1642.5
17.5°	1342.0	1342.8	1367.9	1425.4	1548.5	1725.1	1817.4	1831.2	1794.7	1787.4	1666.0
20°	1374.4	1373.6	1376.0	1395.4	1454.6	1631.1	1818.2	1871.7	1833.6	1828.7	1687.0
22.5°	1466.7	1463.5	1456.2	1440.0	1441.6	1547.7	1806.9	1916.2	1883.0	1873.3	1701.6
25°	1595.5	1587.4	1563.9	1527.5	1488.6	1522.6	1777.7	1968.0	1939.7	1929.2	1717.0
27.5°	1742.1	1740.5	1715.4	1645.7	1572.0	1554.2	1744.5	2024.7	2006.9	1992.3	1734.0
30°	1893.5	1884.6	1861.1	1786.6	1693.5	1623.0	1734.8	2087.1	2078.2	2059.6	1747.8
32.5°	1976.1	1972.1	1956.7	1911.4	1830.4	1722.6	1763.1	2151.1	2180.2	2166.5	1777.7
35°	2041.7	2034.5	2018.3	1999.6	1958.3	1853.8	1828.7	2228.0	2332.5	2308.2	1841.7
37.5°	2104.1	2096.0	2084.7	2066.9	2040.1	1979.4	1924.3	2333.3	2525.3	2508.2	1938.9
40°	2173.8	2164.8	2150.3	2138.1	2100.9	2082.2	2014.2	2433.7	2731.8	2723.7	2055.5
42.5°	2226.4	2216.7	2209.4	2201.3	2160.8	2126.0	2084.7	2529.3	3010.4	2990.1	2210.2
45°	2265.3	2259.6	2259.6	2249.9	2223.2	2127.6	2134.1	2657.3	3310.0	3303.6	2424.0
47.5°	2307.4	2300.1	2304.1	2295.2	2287.1	2129.2	2194.8	2828.2	3670.4	3664.8	2662.9
50°	2357.6	2350.3	2366.5	2353.6	2356.8	2177.8	2281.5	3042.0	4026.8	4013.0	2917.2
52.5°	2364.1	2362.5	2403.0	2432.1	2455.6	2288.8	2428.1	3297.1	4416.4	4416.4	3213.7
55°	2232.9	2229.6	2308.2	2432.1	2564.1	2501.8	2700.2	3696.4	4847.2	4858.6	3477.7
57.5°	1813.4	1828.7	1961.6	2205.3	2558.5	2805.5	3102.7	4182.3	5454.6	5417.4	3736.9
60°	1153.3	1176.0	1282.1	1617.4	2176.2	2856.5	3536.0	4799.4	6071.0	5999.7	4079.4
62.5°	762.1	742.7	744.3	902.2	1400.3	2400.5	3621.0	5530.8	6814.5	6762.6	4384.0
65°	677.9	664.1	595.3	554.0	680.3	1499.1	3079.2	6058.0	7770.1	7625.2	4617.2
67.5°	643.1	629.3	565.3	501.3	428.4	766.2	2188.3	5960.8	8437.5	8346.0	4789.7
70°	582.3	574.2	522.4	473.0	358.0	370.1	1262.6	5232.7	8681.3	8637.5	4711.2
72.5°	506.2	496.5	461.6	427.6	314.2	272.9	605.8	4148.3	8040.6	8037.4	4378.3
75°	414.7	406.6	378.2	366.9	265.6	223.5	344.2	2913.2	6698.6	6663.0	3891.5
77.5°	339.3	328.0	308.6	299.7	220.3	179.8	242.2	2033.6	4943.6	4850.5	2723.7
80°	246.2	238.9	220.3	241.3	174.1	139.3	179.8	1265.1	2905.1	2715.6	1020.5
82.5°	149.8	135.3	152.3	184.7	128.8	99.6	132.0	705.4	1041.5	915.2	304.5
85°	69.7	71.3	89.1	118.2	76.9	58.3	82.6	308.6	302.1	289.1	128.0
87.5°	11.3	12.1	34.0	51.8	32.4	19.4	33.2	68.0	114.2	117.4	55.1
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°	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2	1507.2
2.5°	1510.5	1497.5	1474.0	1448.1	1418.9	1392.2	1380.9	1343.6	1334.7	1332.3	1313.6
5°	1525.8	1497.5	1435.9	1363.1	1278.0	1201.1	1116.0	1048.0	1009.9	1006.7	1011.6
7.5°	1541.2	1496.7	1384.1	1236.7	1086.1	937.0	846.3	792.9	755.6	746.7	749.2
10°	1549.3	1485.3	1304.7	1078.0	869.8	761.3	709.5	690.8	685.2	680.3	680.3
12.5°	1550.9	1460.2	1199.5	907.1	742.7	690.0	675.5	670.6	669.8	669.0	667.4
15°	1552.6	1428.7	1065.0	775.1	685.2	668.2	662.5	661.7	663.3	662.5	662.5
17.5°	1550.9	1385.7	934.6	698.9	664.1	657.6	654.4	653.6	656.0	655.2	654.4
20°	1545.3	1330.7	807.5	660.1	649.5	647.9	643.9	640.6	643.9	644.7	643.9
22.5°	1523.4	1249.7	715.9	635.8	635.8	635.8	630.9	626.9	632.5	634.1	635.0
25°	1489.4	1152.5	647.9	615.5	619.6	617.9	617.9	617.1	622.8	624.4	625.2
27.5°	1453.8	1051.2	600.1	593.7	600.1	604.2	611.5	612.3	612.3	610.7	609.9
30°	1408.4	941.1	569.4	574.2	583.1	597.7	610.7	609.0	603.4	597.7	598.5
32.5°	1372.0	852.0	539.4	557.2	573.4	594.5	605.8	608.2	607.4	597.7	597.7
35°	1358.2	780.7	519.1	542.6	566.9	586.4	591.2	601.8	600.1	588.0	587.2
37.5°	1367.1	723.2	501.3	527.2	557.2	566.9	577.5	579.9	559.6	546.7	543.4
40°	1386.5	681.1	485.1	507.8	541.0	549.1	563.7	541.8	524.8	514.3	515.9
42.5°	1440.8	663.3	470.5	485.9	516.7	535.3	529.7	523.2	499.7	482.7	481.1
45°	1526.7	662.5	457.6	463.3	489.2	508.6	507.8	500.5	475.4	457.6	455.2
47.5°	1644.1	678.7	443.8	442.2	463.3	475.4	486.7	475.4	449.5	429.2	426.8
50°	1784.2	720.8	430.9	420.3	434.9	453.5	459.2	451.1	426.8	407.4	404.9
52.5°	1952.7	779.1	419.5	400.9	404.9	430.9	443.8	436.5	409.0	387.9	384.7
55°	2116.3	834.2	404.1	380.7	374.2	409.8	430.1	429.2	388.7	366.9	365.3
57.5°	2283.9	886.0	387.1	363.6	353.1	387.1	415.5	418.7	367.7	344.2	344.2
60°	2454.0	922.5	366.1	345.8	340.2	362.0	393.6	394.4	349.1	331.2	332.9
62.5°	2593.3	900.6	345.0	328.8	324.8	337.7	369.3	376.6	347.4	328.0	329.6
65°	2652.4	827.7	321.5	312.6	306.1	311.0	340.2	349.1	318.3	296.4	298.9
67.5°	2614.3	721.6	298.0	294.0	285.1	283.5	302.1	307.8	285.1	271.3	269.7
70°	2388.4	575.8	269.7	269.7	261.6	254.3	264.0	268.9	251.1	243.0	244.6
72.5°	2066.9	468.1	242.2	245.4	234.1	224.3	230.0	232.4	221.9	217.9	216.2
75°	1788.2	391.2	214.6	219.5	207.3	191.9	198.4	198.4	189.5	188.7	187.9
77.5°	1303.9	294.0	184.7	190.3	180.6	161.2	162.8	163.6	160.4	160.4	161.2
80°	558.0	179.8	150.6	159.5	149.8	126.3	131.2	131.2	139.3	159.5	156.3
82.5°	185.5	106.9	114.2	125.5	115.0	93.9	99.6	106.9	137.7	132.0	125.5
85°	79.4	59.1	72.9	79.4	73.7	56.7	64.8	111.8	102.0	98.8	99.6
87.5°	26.7	25.1	30.8	36.4	25.9	17.8	33.2	68.0	66.4	50.2	48.6
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)