

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: P1209501

Luminaire Tested: UPW-SA2-130-730-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-730-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 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: 10199 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

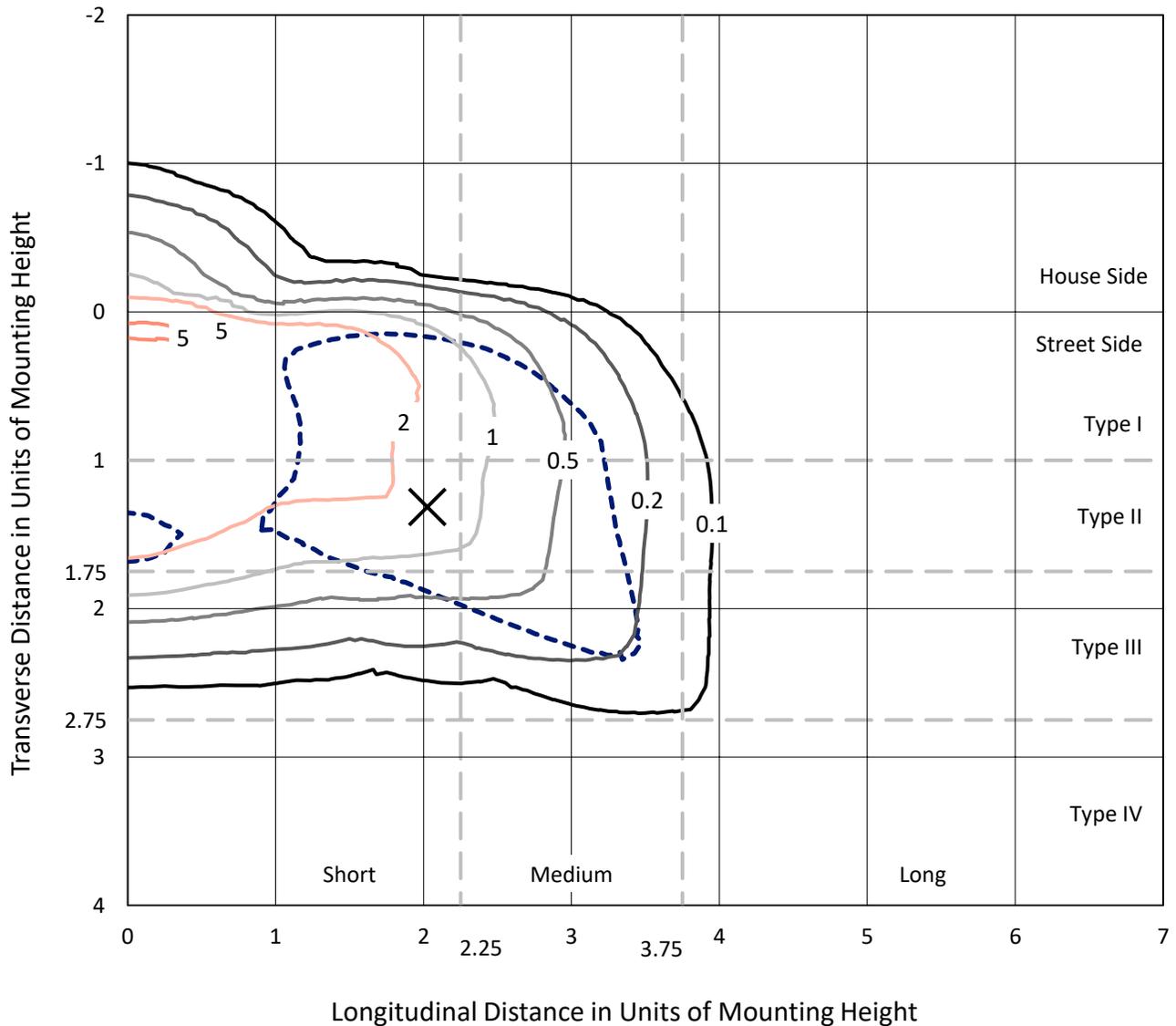
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

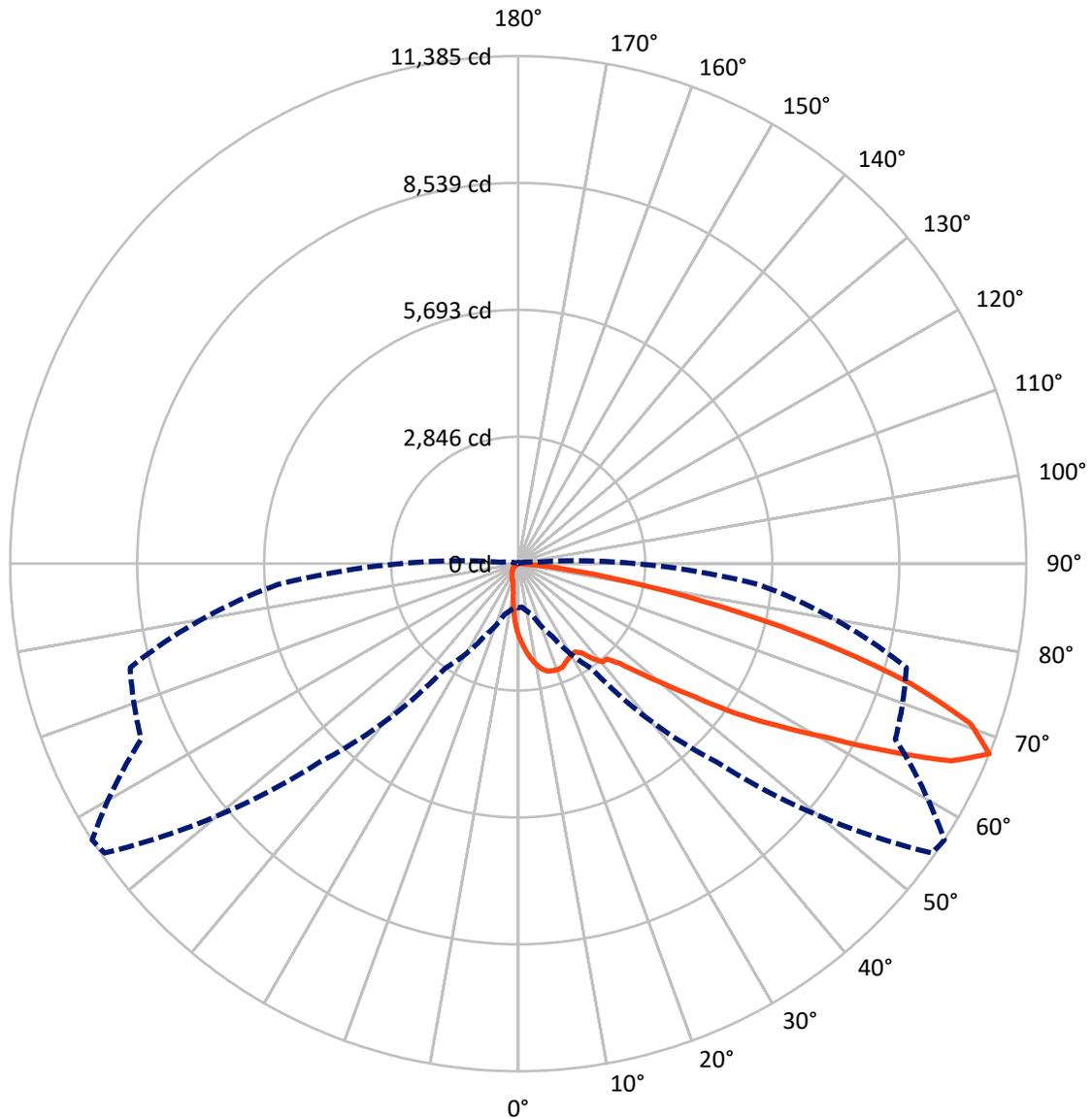
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 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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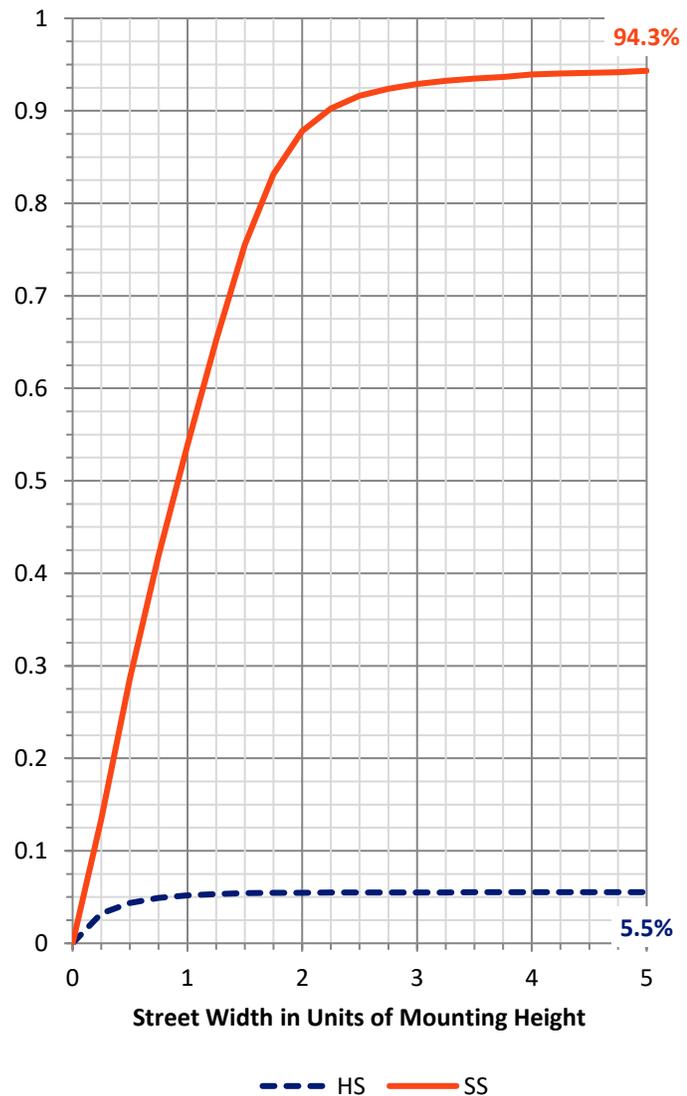
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	567.6	0.0	567.6
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	9631.4	0.0	9631.4
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	10199.0	0.0	10199.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.8	1.4
10°-20°	379.4	3.7
20°-30°	555.2	5.4
30°-40°	834.9	8.2
40°-50°	1362.2	13.4
50°-60°	2578.2	25.3
60°-70°	2946.3	28.9
70°-80°	1286.0	12.6
80°-90°	111.1	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°	10199.0	100.0
0°-180°	10199.0	100.0



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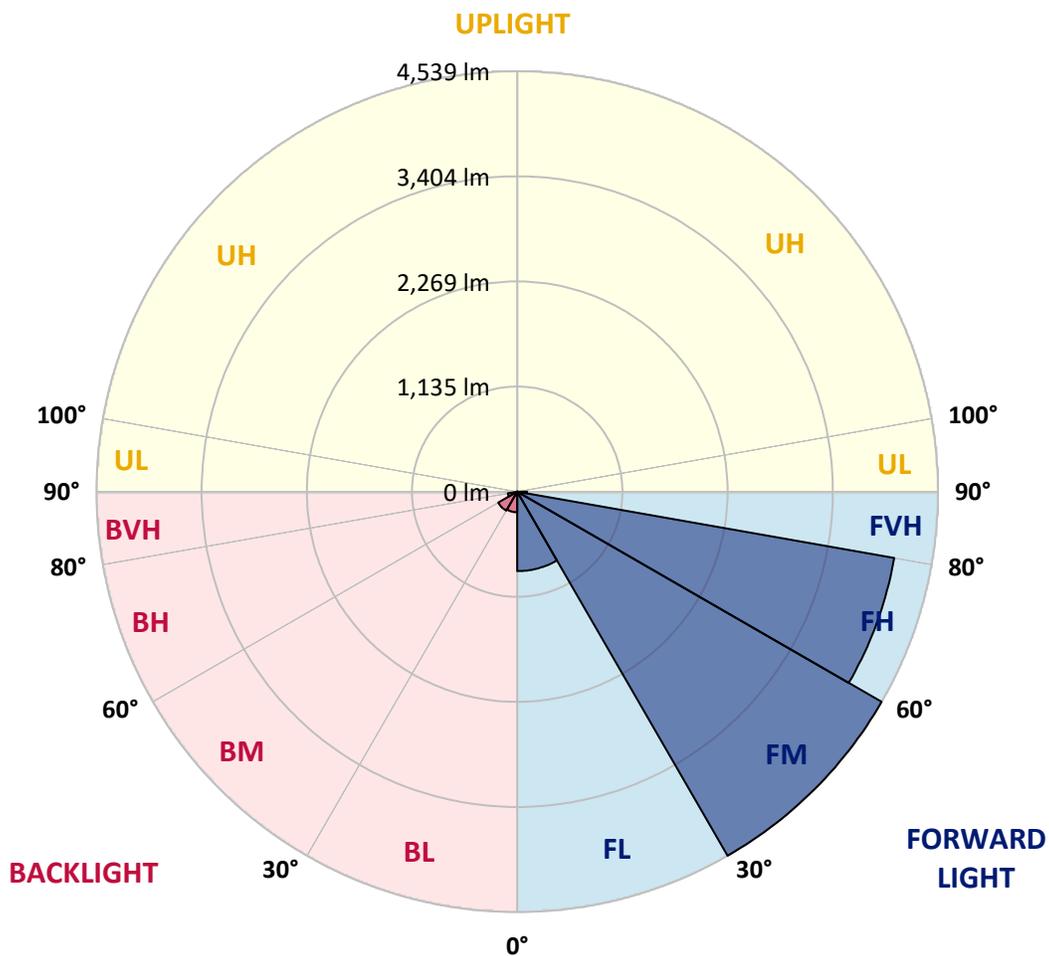
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	857.6	8.4			
FM (30°-60°)	4538.8	44.5			
FH (60°-80°)	4129.4	40.5			G2/5000
FVH (80°-90°)	105.5	1.0			G2/225
BL (0°-30°)	222.7	2.2	B1/500		
BM (30°-60°)	236.5	2.3	B1/1000		
BH (60°-80°)	102.9	1.0	B0/110		G0/110
BVH (80°-90°)	5.5	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°	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6
2.5°	1915.5	1931.3	1937.6	1910.7	1885.4	1866.4	1828.4	1804.6	1768.2	1723.9	1662.2
5°	2197.2	2195.7	2179.8	2159.2	2148.2	2088.0	2024.7	1999.4	1940.8	1830.0	1709.7
7.5°	2303.3	2312.8	2323.9	2311.2	2292.2	2260.6	2186.2	2167.2	2081.7	1937.6	1768.2
10°	2254.2	2270.1	2289.1	2322.3	2385.6	2396.7	2339.7	2319.1	2216.2	2057.9	1817.3
12.5°	2027.9	2051.6	2083.3	2190.9	2338.1	2429.9	2442.6	2436.3	2349.2	2165.6	1852.1
15°	1727.1	1701.8	1784.1	1932.9	2175.1	2385.6	2499.6	2504.3	2460.0	2266.9	1890.1
17.5°	1500.7	1524.5	1560.9	1673.3	1925.0	2227.3	2491.7	2521.8	2542.3	2374.5	1934.5
20°	1462.7	1464.3	1480.1	1541.9	1673.3	2037.4	2464.8	2536.0	2643.6	2480.6	1953.5
22.5°	1499.1	1489.6	1497.5	1510.2	1592.5	1844.2	2407.8	2523.3	2703.8	2612.0	1993.0
25°	1546.6	1557.7	1543.4	1527.6	1575.1	1757.2	2341.3	2460.0	2794.0	2729.1	2010.4
27.5°	1679.6	1685.9	1647.9	1590.9	1608.4	1717.6	2238.4	2409.4	2930.2	2860.5	2038.9
30°	1896.5	1890.1	1811.0	1717.6	1678.0	1742.9	2173.5	2354.0	3003.0	2961.8	2024.7
32.5°	2057.9	2045.3	1967.7	1871.1	1801.5	1839.5	2173.5	2360.3	3150.2	3139.1	2051.6
35°	2203.6	2192.5	2095.9	2018.4	1958.2	1993.0	2295.4	2463.2	3360.8	3468.4	2146.6
37.5°	2361.9	2331.8	2255.8	2121.3	2102.3	2236.8	2558.2	2697.5	3694.8	3773.9	2149.7
40°	2612.0	2586.7	2464.8	2325.5	2222.6	2418.9	2764.0	2896.9	3930.6	4019.3	2137.1
42.5°	2955.5	2895.4	2745.0	2542.3	2377.7	2517.0	2787.7	2925.4	4109.5	4400.8	2259.0
45°	3329.1	3311.7	3102.7	2841.5	2667.4	2650.0	3039.4	3191.4	4506.9	5016.6	2523.3
47.5°	3868.9	3732.8	3457.3	3178.7	3029.9	2912.8	3425.7	3656.8	4991.3	5736.9	2917.5
50°	4437.2	4358.1	3938.6	3553.9	3371.8	3329.1	4036.7	4245.7	5611.8	6547.4	3574.5
52.5°	5406.0	5224.0	4657.3	4172.9	3857.8	3816.7	4701.6	4969.1	6311.5	7514.6	4237.8
55°	6058.2	5945.8	5375.9	5010.3	4597.1	4472.0	5643.5	5936.3	7167.9	8358.4	4901.0
57.5°	6267.2	6129.5	5616.6	5527.9	5432.9	5504.2	6620.2	6864.0	7761.6	9016.9	5488.3
60°	5429.8	5425.0	5132.2	5363.3	5833.4	6656.6	7774.2	7881.9	8242.8	9420.6	5854.0
62.5°	3905.3	3892.7	3951.2	4524.3	5401.3	7437.0	9362.0	9241.7	8660.7	9645.4	6051.9
65°	2024.7	2034.2	2328.6	3083.7	4345.4	7376.9	10815.2	10663.2	8918.8	9507.6	5912.6
67.5°	987.8	979.9	1171.4	1793.6	2870.0	6298.9	11313.9	11385.1	9324.0	9002.7	5409.2
70°	492.3	498.7	638.0	946.6	1567.2	4524.3	10448.0	10750.3	8950.4	7927.8	4606.6
72.5°	346.7	351.4	433.7	562.0	732.9	2746.5	8671.8	9192.6	7470.3	6306.8	3246.8
75°	248.5	256.4	318.2	419.5	406.8	1378.8	6702.5	7011.2	5415.5	3894.2	1720.7
77.5°	180.5	191.5	248.5	322.9	281.8	579.4	4641.4	4633.5	3055.2	1850.6	696.5
80°	118.7	126.6	183.6	239.0	201.0	269.1	2719.6	2561.3	1351.9	709.2	253.3
82.5°	66.5	69.7	123.5	166.2	139.3	126.6	1215.8	1120.8	457.5	259.6	118.7
85°	4.7	7.9	72.8	104.5	74.4	63.3	340.4	308.7	147.2	118.7	63.3
87.5°	0.0	0.0	9.5	19.0	12.7	9.5	82.3	71.2	44.3	69.7	31.7
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°	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6	1622.6
2.5°	1636.8	1592.5	1526.0	1461.1	1397.8	1340.8	1299.7	1258.5	1241.1	1201.5	1269.6
5°	1646.3	1567.2	1408.9	1255.3	1122.4	979.9	886.5	820.0	786.8	756.7	758.3
7.5°	1655.8	1535.5	1291.7	1032.1	840.6	690.2	606.3	576.2	563.6	547.7	547.7
10°	1644.8	1484.9	1123.9	812.1	617.4	536.6	490.7	479.7	486.0	484.4	489.2
12.5°	1644.8	1424.7	953.0	633.2	506.6	459.1	446.4	444.8	454.3	460.7	463.8
15°	1624.2	1332.9	782.0	519.2	443.2	425.8	421.1	421.1	427.4	433.7	432.2
17.5°	1606.8	1241.1	639.5	446.4	405.3	400.5	397.3	394.2	402.1	408.4	410.0
20°	1564.0	1112.9	527.1	402.1	379.9	373.6	372.0	368.8	376.8	383.1	387.8
22.5°	1502.3	967.2	451.2	368.8	357.8	349.8	345.1	346.7	354.6	360.9	357.8
25°	1420.0	839.0	395.8	345.1	329.3	324.5	318.2	321.4	322.9	329.3	334.0
27.5°	1329.7	713.9	359.3	326.1	310.3	300.8	292.9	291.3	292.9	300.8	297.6
30°	1196.8	604.7	334.0	303.9	286.5	273.9	264.4	259.6	258.0	259.6	261.2
32.5°	1095.5	531.9	316.6	286.5	264.4	248.5	237.5	228.0	224.8	221.6	221.6
35°	1030.5	492.3	299.2	262.8	242.2	226.4	209.0	197.9	191.5	188.4	190.0
37.5°	891.2	424.3	278.6	245.4	221.6	202.6	185.2	167.8	163.1	166.2	166.2
40°	774.1	364.1	259.6	224.8	197.9	180.5	161.5	140.9	137.7	147.2	148.8
42.5°	729.8	337.2	242.2	205.8	177.3	163.1	137.7	121.9	121.9	129.8	131.4
45°	783.6	329.3	226.4	188.4	159.9	144.1	118.7	104.5	104.5	112.4	114.0
47.5°	954.6	341.9	210.5	171.0	147.2	126.6	98.1	91.8	91.8	95.0	96.6
50°	1317.1	383.1	194.7	153.6	134.6	107.6	85.5	79.2	77.6	79.2	79.2
52.5°	1777.7	465.4	177.3	137.7	118.7	90.2	74.4	68.1	63.3	63.3	61.7
55°	2243.1	554.1	159.9	121.9	102.9	77.6	63.3	57.0	49.1	45.9	44.3
57.5°	2653.1	625.3	139.3	107.6	88.6	66.5	55.4	42.7	31.7	25.3	25.3
60°	2908.0	644.3	120.3	93.4	72.8	57.0	44.3	28.5	15.8	12.7	11.1
62.5°	2955.5	584.1	102.9	79.2	61.7	47.5	31.7	15.8	6.3	1.6	1.6
65°	2827.3	460.7	88.6	66.5	50.7	38.0	20.6	7.9	0.0	0.0	0.0
67.5°	2612.0	362.5	74.4	55.4	42.7	30.1	12.7	1.6	0.0	0.0	0.0
70°	2278.0	289.7	64.9	47.5	36.4	25.3	7.9	0.0	0.0	0.0	0.0
72.5°	1678.0	191.5	57.0	42.7	31.7	19.0	4.7	0.0	0.0	0.0	0.0
75°	918.2	121.9	52.2	39.6	30.1	15.8	3.2	0.0	0.0	0.0	0.0
77.5°	372.0	85.5	45.9	38.0	30.1	15.8	3.2	0.0	0.0	0.0	0.0
80°	140.9	60.2	39.6	33.2	28.5	15.8	3.2	0.0	0.0	0.0	0.0
82.5°	74.4	49.1	38.0	33.2	26.9	14.2	1.6	0.0	0.0	0.0	0.0
85°	36.4	15.8	19.0	19.0	22.2	12.7	1.6	0.0	0.0	0.0	0.0
87.5°	7.9	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)