

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: P1209503

Luminaire Tested: UPW-SA2-130-730-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-730-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10744 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

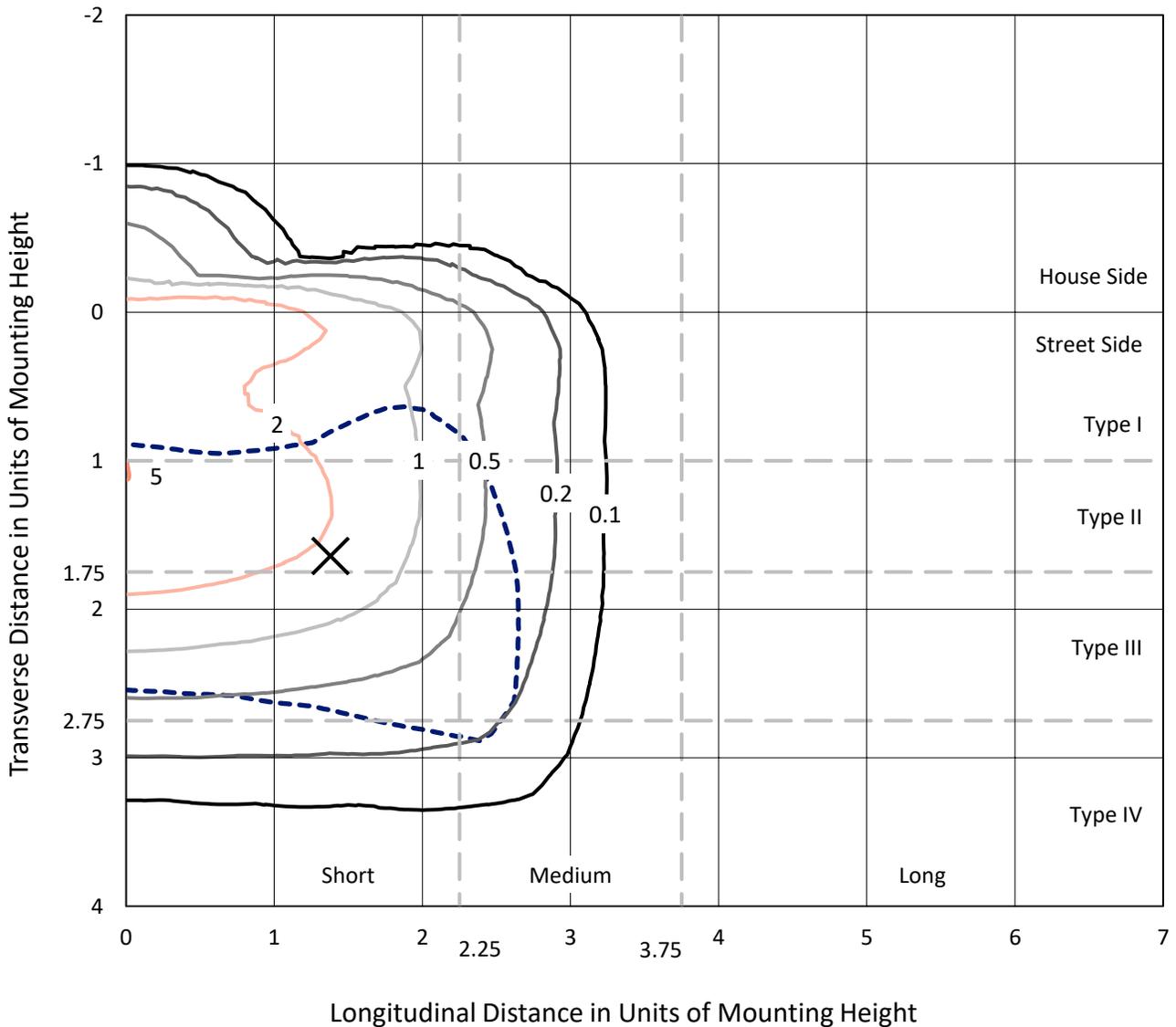
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

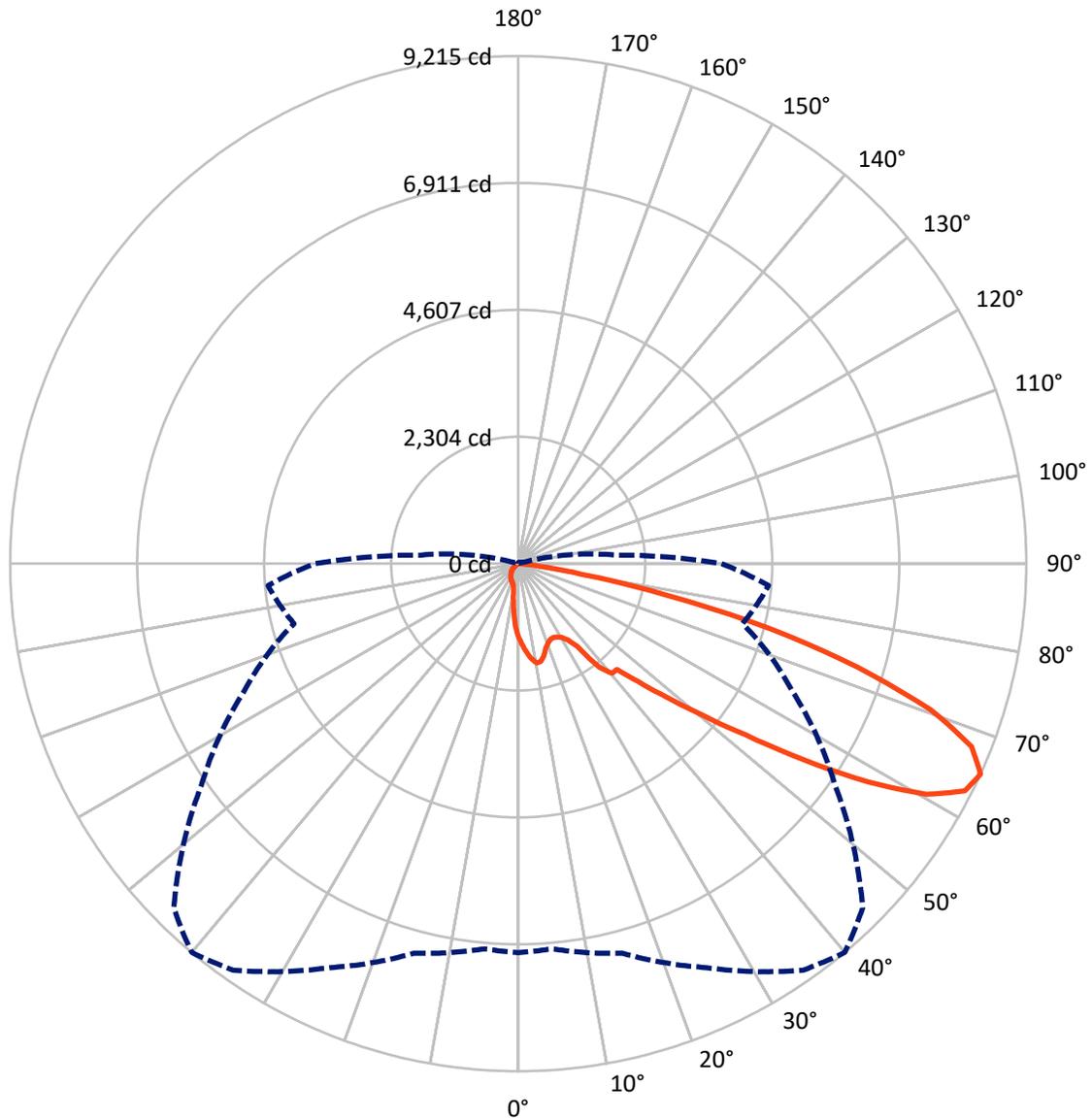
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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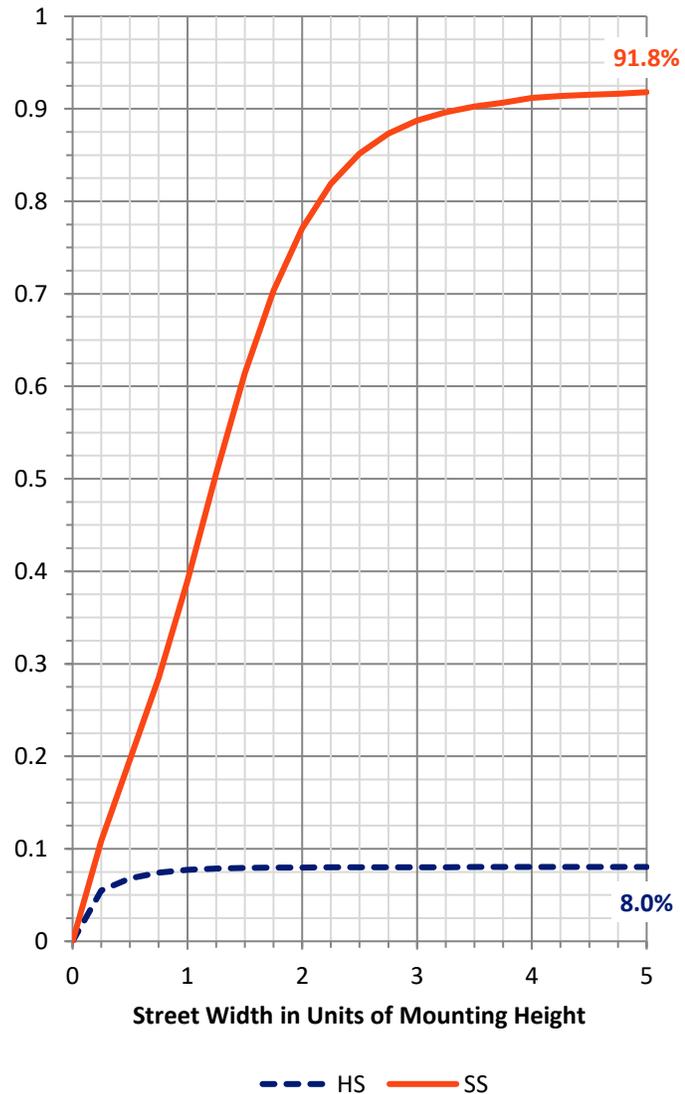
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	869.5	0.0	869.5
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	9874.5	0.0	9874.5
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	10744.0	0.0	10744.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.1	1.1
10°-20°	346.1	3.2
20°-30°	540.1	5.0
30°-40°	895.0	8.3
40°-50°	1517.7	14.1
50°-60°	2673.3	24.9
60°-70°	3329.7	31.0
70°-80°	1251.4	11.6
80°-90°	67.7	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°	10744.0	100.0
0°-180°	10744.0	100.0



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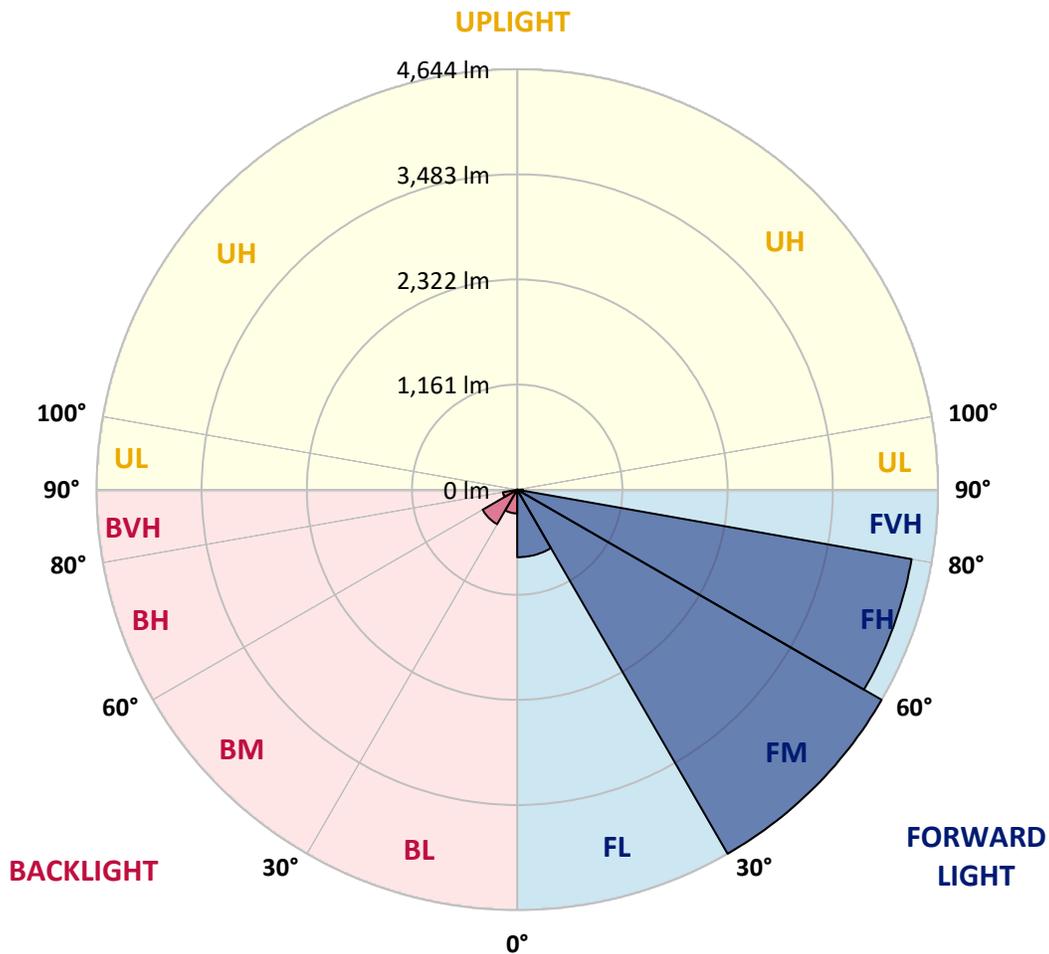
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	746.2	6.9			
FM	(30°-60°)	4644.5	43.2			
FH	(60°-80°)	4420.5	41.1			G2/5000
FVH	(80°-90°)	63.3	0.6			G1/100
BL	(0°-30°)	263.1	2.4	B1/500		
BM	(30°-60°)	441.5	4.1	B1/1000		
BH	(60°-80°)	160.5	1.5	B1/500		G1/500
BVH	(80°-90°)	4.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7
2.5°	1518.9	1506.3	1503.1	1496.8	1481.0	1479.4	1476.2	1447.7	1427.2	1406.6	1375.0
5°	1666.1	1656.6	1648.7	1647.1	1636.0	1621.8	1618.6	1579.1	1541.1	1498.4	1431.9
7.5°	1773.7	1764.2	1764.2	1764.2	1751.5	1746.8	1746.8	1705.6	1669.2	1604.4	1514.2
10°	1795.8	1789.5	1795.8	1811.6	1827.5	1833.8	1840.1	1830.6	1800.6	1729.4	1620.2
12.5°	1740.4	1734.1	1740.4	1764.2	1794.2	1824.3	1863.9	1914.5	1925.6	1876.5	1734.1
15°	1685.1	1677.2	1664.5	1659.8	1691.4	1737.3	1791.1	1928.7	2030.0	2015.8	1865.4
17.5°	1650.3	1648.7	1618.6	1577.5	1580.6	1615.4	1685.1	1871.8	2080.6	2140.7	1987.3
20°	1617.0	1612.3	1579.1	1520.5	1507.9	1539.5	1598.0	1792.7	2071.1	2256.2	2113.8
22.5°	1599.6	1593.3	1549.0	1479.4	1466.7	1495.2	1547.4	1707.2	2023.7	2324.3	2234.1
25°	1620.2	1615.4	1552.2	1471.5	1460.4	1484.1	1530.0	1661.3	1962.0	2349.6	2330.6
27.5°	1689.8	1680.3	1596.5	1499.9	1485.7	1507.9	1545.8	1645.5	1908.2	2340.1	2408.1
30°	1927.1	1890.8	1765.8	1585.4	1541.1	1555.3	1585.4	1666.1	1873.4	2327.4	2495.2
32.5°	2387.6	2368.6	2159.7	1832.2	1664.5	1651.8	1672.4	1729.4	1897.1	2393.9	2656.6
35°	3188.2	3164.4	2868.6	2348.0	1914.5	1844.9	1832.2	1881.3	2077.5	2411.3	2683.4
37.5°	3811.6	3789.4	3541.0	3150.2	2615.4	2389.2	2242.0	2221.4	2088.5	2330.6	2716.7
40°	4115.4	4077.4	3713.5	3186.6	2787.9	2618.6	2455.6	2123.3	1974.6	2283.1	2802.1
42.5°	4849.5	4745.1	4316.3	3656.5	2936.6	2626.5	2338.5	1987.3	2015.8	2332.2	2935.0
45°	5665.9	5672.3	5153.3	4276.7	3423.9	3053.7	2692.9	2150.2	2162.9	2457.2	3110.6
47.5°	6607.4	6498.2	5949.2	5063.1	4033.1	3613.8	3210.3	2433.5	2371.8	2658.1	3346.4
50°	7292.5	7222.8	6795.6	5960.2	4784.6	4308.4	3778.3	2859.1	2713.5	2889.1	3585.3
52.5°	7670.6	7654.8	7441.2	6771.9	5715.0	5161.2	4468.2	3357.5	3131.2	3143.9	3762.5
55°	7968.1	7925.4	7915.9	7588.3	6767.2	6279.8	5378.0	4034.7	3661.3	3392.3	3939.7
57.5°	8267.1	8218.1	8259.2	8200.7	7898.5	7479.2	6469.7	4770.4	4123.3	3656.5	4151.8
60°	8271.9	8222.8	8338.3	8585.1	8719.6	8502.9	7577.3	5574.2	4632.7	3927.1	4439.7
62.5°	7890.5	7841.5	8039.3	8553.5	9115.2	9088.3	8436.4	6344.7	5140.6	4197.6	4678.6
65°	7059.9	7020.3	7322.5	8093.1	9009.2	9214.9	8836.7	7014.0	5485.6	4210.3	4555.2
67.5°	5384.3	5455.5	5968.1	7031.4	8458.6	8871.5	8779.8	7189.6	5316.3	3827.4	4085.3
70°	3474.6	3604.3	4177.1	5431.8	7197.5	7934.8	7982.3	6382.7	4449.2	3112.2	3069.5
72.5°	1849.6	1873.4	2401.8	3514.1	5472.9	6441.2	6512.4	4805.2	3044.2	2068.0	1675.6
75°	810.1	875.0	1175.6	1976.2	3647.0	4719.8	4507.8	2879.6	1571.1	946.2	648.7
77.5°	291.1	314.9	457.3	966.7	2058.5	2762.6	2574.3	1368.6	634.5	419.3	189.9
80°	140.8	142.4	183.5	368.7	860.7	1164.5	1012.6	484.2	289.5	235.8	74.4
82.5°	47.5	58.5	104.4	145.6	319.6	397.1	292.7	180.4	172.5	178.8	52.2
85°	0.0	1.6	52.2	79.1	82.3	93.4	74.4	79.1	106.0	107.6	17.4
87.5°	0.0	0.0	0.0	15.8	17.4	17.4	9.5	19.0	44.3	52.2	3.2
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°	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7
2.5°	1356.0	1337.0	1299.0	1267.4	1224.6	1194.6	1162.9	1148.7	1139.2	1099.6	1096.5
5°	1395.5	1352.8	1265.8	1170.8	1077.5	985.7	898.7	849.7	806.9	789.5	769.0
7.5°	1454.1	1389.2	1235.7	1072.7	897.1	754.7	658.2	604.4	560.1	552.2	545.9
10°	1534.8	1436.7	1210.4	946.2	699.3	564.9	485.7	450.9	436.7	433.5	428.8
12.5°	1623.4	1496.8	1181.9	799.0	547.4	433.5	400.3	400.3	408.2	411.4	411.4
15°	1737.3	1566.4	1128.1	667.7	439.9	379.7	378.2	384.5	392.4	395.6	397.1
17.5°	1837.0	1639.2	1060.1	547.4	378.2	360.7	363.9	368.7	376.6	382.9	382.9
20°	1944.6	1705.6	990.5	450.9	348.1	343.3	346.5	352.8	362.3	367.1	368.7
22.5°	2039.5	1757.8	909.8	387.6	327.5	327.5	332.3	338.6	349.7	357.6	357.6
25°	2118.6	1799.0	822.8	344.9	308.5	310.1	314.9	324.4	335.4	343.3	344.9
27.5°	2180.3	1819.6	723.1	310.1	289.5	289.5	297.5	308.5	322.8	332.3	332.3
30°	2259.4	1851.2	647.1	284.8	269.0	269.0	275.3	289.5	308.5	321.2	321.2
32.5°	2378.1	1906.6	566.4	262.6	250.0	250.0	256.3	269.0	288.0	303.8	307.0
35°	2397.1	1881.3	484.2	245.2	232.6	231.0	234.2	245.2	261.1	272.1	276.9
37.5°	2427.1	1881.3	406.6	226.3	215.2	213.6	215.2	219.9	226.3	229.4	227.8
40°	2493.6	1893.9	341.8	210.4	199.4	196.2	194.6	193.0	186.7	178.8	177.2
42.5°	2598.0	1927.1	286.4	193.0	182.0	178.8	174.0	163.0	148.7	137.7	137.7
45°	2723.0	1957.2	240.5	178.8	166.1	163.0	148.7	131.3	113.9	106.0	106.0
47.5°	2876.5	1993.6	204.1	166.1	153.5	145.6	121.8	101.3	87.0	83.9	83.9
50°	3053.7	2015.8	172.5	151.9	140.8	126.6	96.5	79.1	68.0	66.5	66.5
52.5°	3177.1	2014.2	147.1	139.2	128.2	106.0	77.5	63.3	55.4	52.2	52.2
55°	3295.8	1992.0	123.4	123.4	110.8	85.4	63.3	52.2	44.3	41.1	39.6
57.5°	3439.8	1980.9	106.0	102.8	90.2	69.6	52.2	42.7	34.8	28.5	26.9
60°	3669.2	1999.9	88.6	82.3	71.2	55.4	42.7	33.2	25.3	17.4	15.8
62.5°	3822.6	1980.9	72.8	66.5	57.0	44.3	31.6	23.7	14.2	9.5	7.9
65°	3680.2	1768.9	61.7	53.8	45.9	34.8	23.7	15.8	6.3	1.6	0.0
67.5°	3181.8	1412.9	52.2	44.3	36.4	26.9	17.4	9.5	1.6	0.0	0.0
70°	2313.2	952.5	45.9	36.4	28.5	22.2	12.7	4.7	0.0	0.0	0.0
72.5°	1210.4	447.8	41.1	33.2	25.3	17.4	9.5	3.2	0.0	0.0	0.0
75°	424.0	161.4	38.0	31.6	22.2	14.2	7.9	3.2	0.0	0.0	0.0
77.5°	132.9	72.8	38.0	33.2	23.7	14.2	7.9	3.2	0.0	0.0	0.0
80°	60.1	47.5	34.8	31.6	22.2	14.2	7.9	1.6	0.0	0.0	0.0
82.5°	42.7	38.0	33.2	28.5	20.6	12.7	6.3	1.6	0.0	0.0	0.0
85°	15.8	12.7	12.7	15.8	14.2	7.9	3.2	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	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)