

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: P1208608

Luminaire Tested: UPW-SA1-070-750-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208608  
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-SA1-070-750-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 5816 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

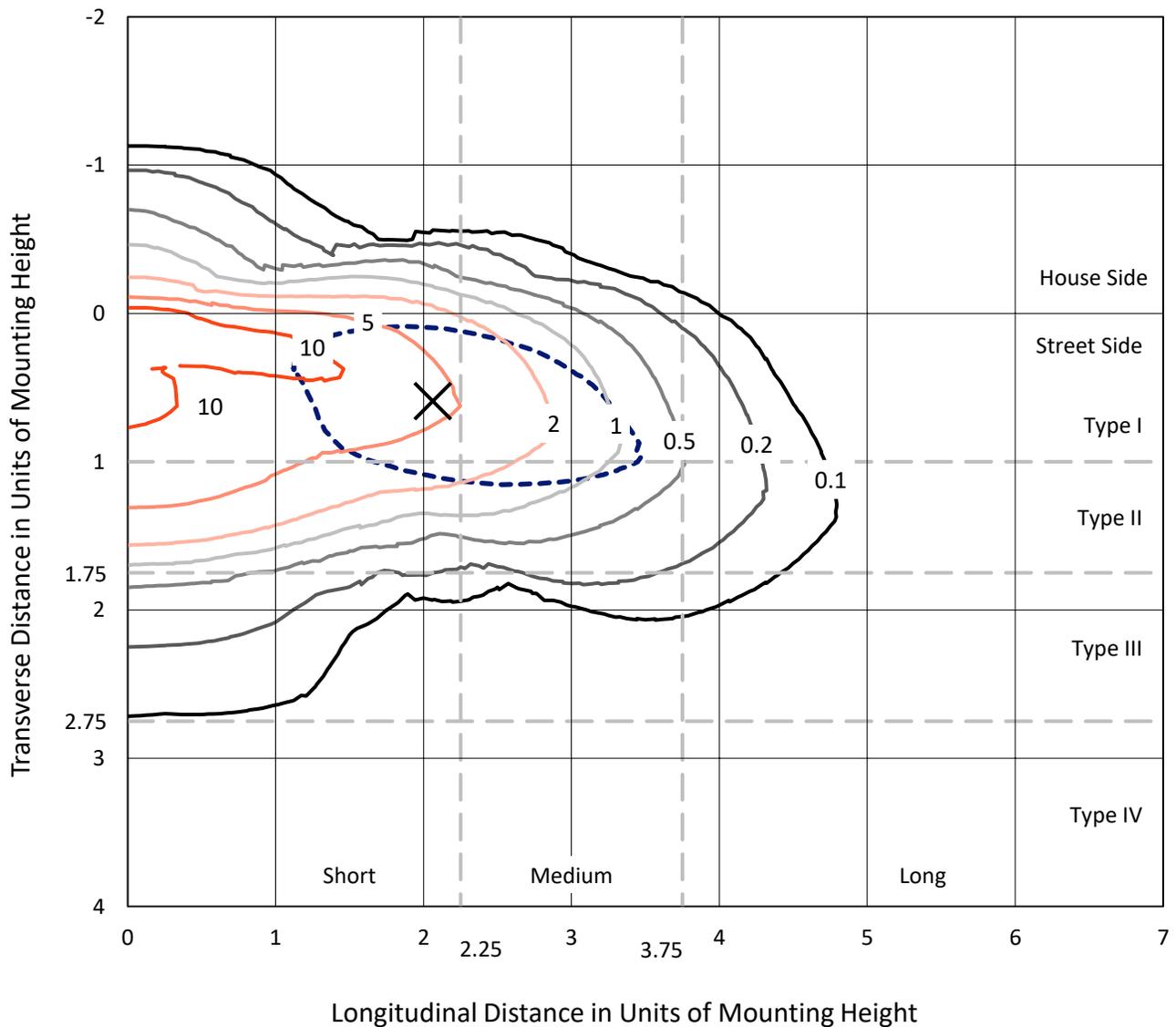
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

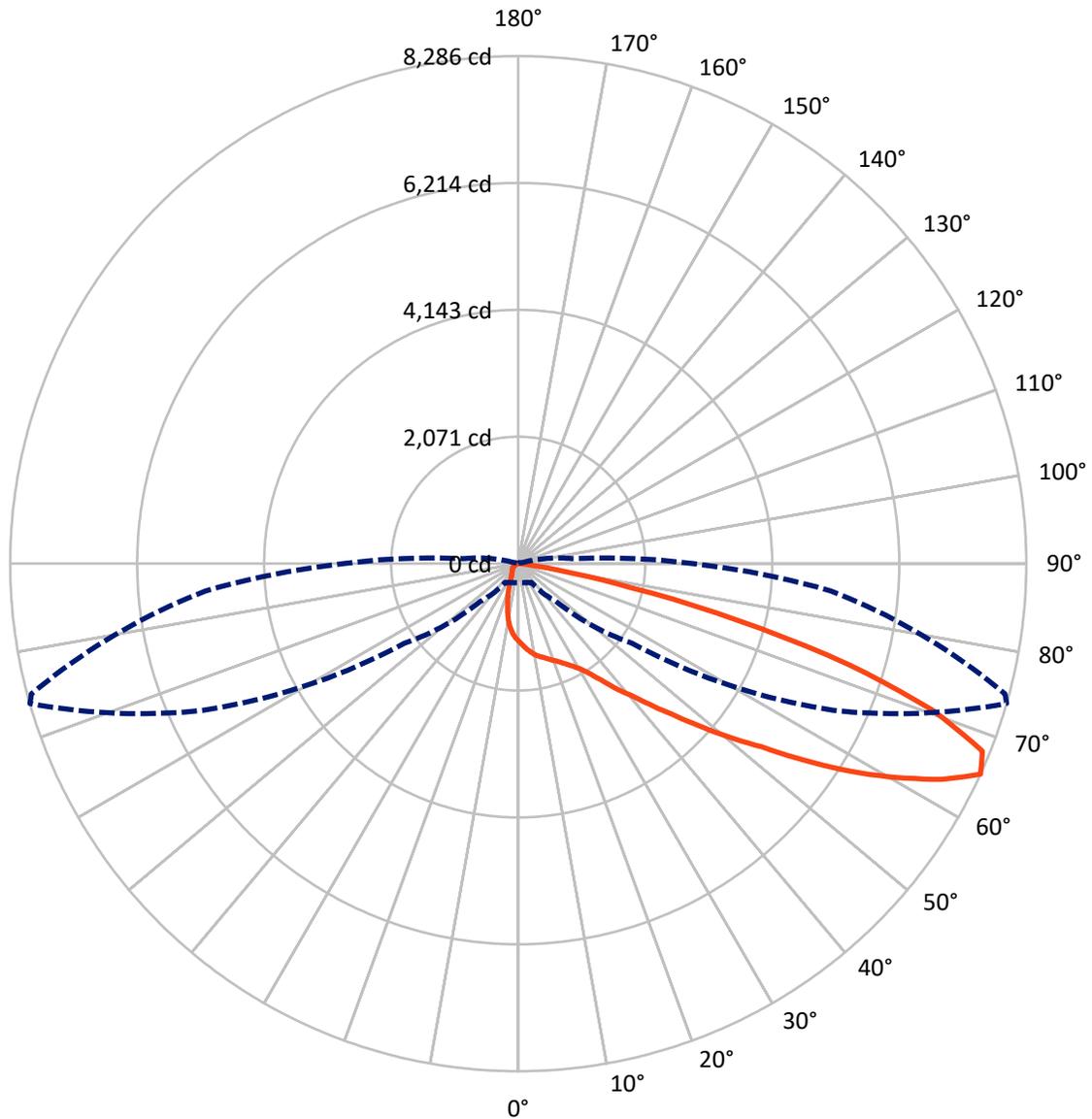
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 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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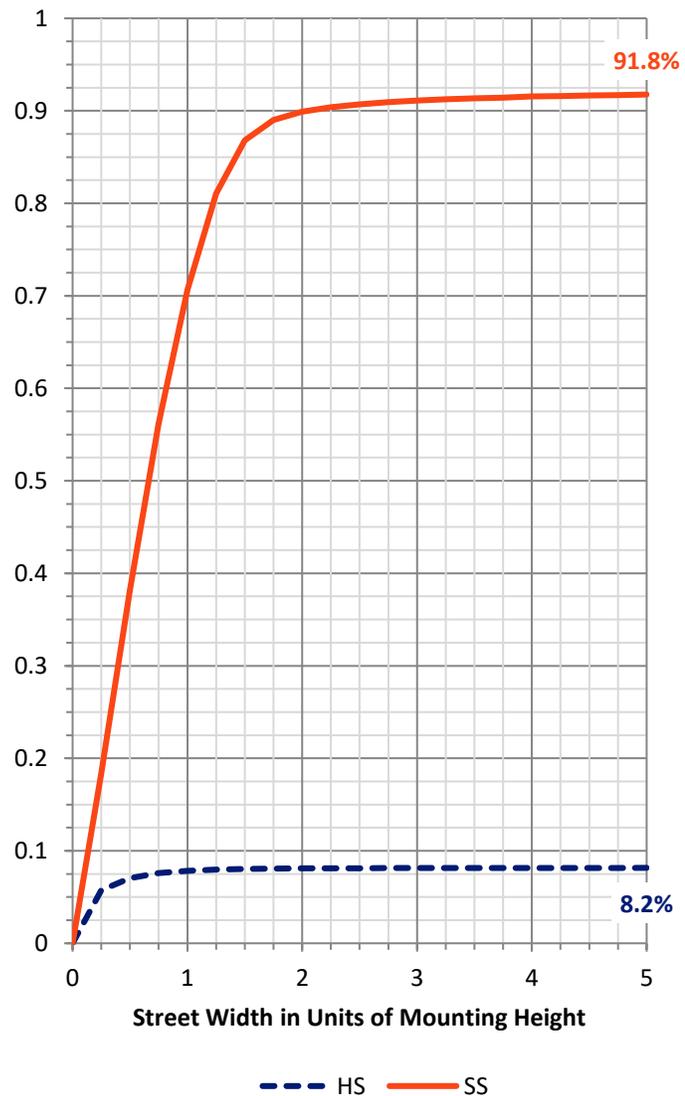
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	478.1	0.0	478.1
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	5337.9	0.0	5337.9
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	5816.0	0.0	5816.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.2	1.9
10°-20°	265.0	4.6
20°-30°	413.3	7.1
30°-40°	652.3	11.2
40°-50°	1014.6	17.4
50°-60°	1466.7	25.2
60°-70°	1325.7	22.8
70°-80°	532.8	9.2
80°-90°	37.4	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°	5816.0	100.0
0°-180°	5816.0	100.0



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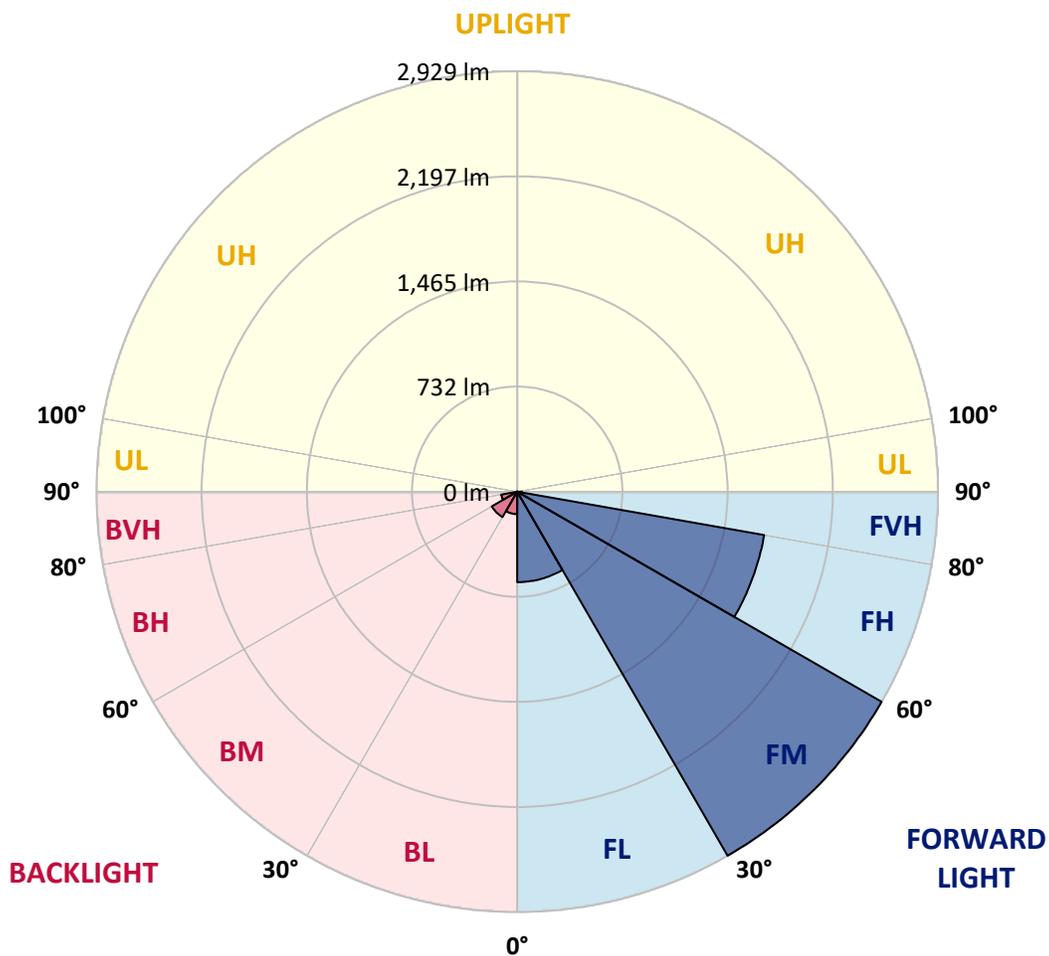
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	630.1	10.8			
FM	(30°-60°)	2929.0	50.4			
FH	(60°-80°)	1745.6	30.0			G1/1800
FVH	(80°-90°)	33.2	0.6			G1/100
BL	(0°-30°)	156.4	2.7	B1/500		
BM	(30°-60°)	204.6	3.5	B0/220		
BH	(60°-80°)	113.0	1.9	B1/500		G1/500
BVH	(80°-90°)	4.2	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2
2.5°	1429.9	1424.6	1427.2	1415.7	1413.9	1402.3	1376.5	1350.8	1326.7	1320.5	1291.2
5°	1533.9	1531.3	1528.6	1526.8	1518.8	1509.9	1473.5	1438.8	1394.3	1386.3	1325.0
7.5°	1561.5	1558.8	1564.2	1573.1	1578.4	1574.0	1547.3	1513.5	1457.5	1448.6	1359.6
10°	1500.1	1497.5	1521.5	1556.2	1588.2	1611.3	1601.5	1571.3	1512.6	1503.7	1383.7
12.5°	1365.0	1361.4	1400.6	1471.7	1547.3	1613.1	1632.6	1612.2	1557.1	1547.3	1403.2
15°	1241.4	1236.0	1275.2	1347.2	1442.3	1569.5	1644.2	1650.4	1593.5	1587.3	1424.6
17.5°	1175.6	1176.5	1200.5	1260.1	1351.6	1490.4	1631.8	1686.0	1642.4	1634.4	1447.7
20°	1202.3	1204.0	1206.7	1229.8	1285.0	1421.0	1604.2	1724.2	1690.4	1681.6	1477.0
22.5°	1279.6	1284.1	1277.0	1264.5	1271.6	1370.3	1575.7	1766.0	1745.6	1736.7	1497.5
25°	1423.7	1418.3	1396.1	1346.3	1310.7	1355.2	1566.0	1814.1	1814.9	1804.3	1522.4
27.5°	1595.3	1581.1	1554.4	1475.3	1388.1	1380.1	1563.3	1865.6	1895.9	1880.7	1550.8
30°	1741.1	1734.0	1701.1	1628.2	1497.5	1437.9	1570.4	1915.4	1991.9	1983.9	1588.2
32.5°	1835.4	1833.6	1809.6	1760.7	1646.0	1531.3	1601.5	1983.0	2136.8	2110.2	1659.3
35°	1914.5	1906.5	1887.9	1855.8	1786.5	1658.4	1667.3	2091.5	2332.5	2324.5	1773.1
37.5°	2004.3	1994.6	1972.3	1932.3	1884.3	1808.7	1772.3	2232.0	2581.5	2577.9	1923.4
40°	2108.4	2102.2	2079.9	2026.6	1967.0	1921.7	1881.6	2376.9	2822.5	2797.6	2062.2
42.5°	2210.7	2212.4	2195.5	2140.4	2059.5	1998.1	2011.5	2524.6	3136.4	3123.9	2278.2
45°	2327.1	2320.9	2312.0	2272.0	2184.9	2058.6	2136.0	2729.1	3500.9	3532.1	2592.1
47.5°	2409.0	2407.2	2425.0	2394.7	2322.7	2155.5	2264.0	2982.5	3949.1	3978.5	2937.2
50°	2430.3	2427.6	2487.2	2512.1	2509.4	2343.2	2440.1	3303.5	4441.8	4437.3	3323.1
52.5°	2293.4	2299.6	2415.2	2547.7	2671.3	2632.2	2757.5	3745.5	4968.2	4983.3	3685.9
55°	1900.3	1939.4	2067.5	2374.3	2699.7	2926.5	3166.6	4353.7	5662.7	5622.7	3971.4
57.5°	1191.6	1171.1	1387.2	1831.8	2349.4	2948.7	3497.4	4964.6	6404.3	6353.6	4391.1
60°	607.4	580.7	706.9	1021.7	1630.9	2478.3	3504.5	5497.3	7088.1	7031.2	4815.2
62.5°	371.7	367.3	393.0	498.9	844.8	1671.8	3036.8	5819.2	7756.9	7711.5	5102.5
65°	313.0	312.1	321.9	338.8	374.4	867.9	2265.8	5661.8	8285.9	8220.1	5119.4
67.5°	277.4	277.4	297.9	305.9	249.0	373.5	1389.9	5007.3	8162.3	8149.9	4762.8
70°	239.2	235.6	264.1	288.1	207.2	192.1	715.8	4022.9	7170.8	7211.7	4056.7
72.5°	180.5	184.1	213.4	245.4	169.8	135.2	327.2	2815.3	5646.7	5666.2	3187.9
75°	136.1	139.6	165.4	201.0	136.9	102.3	180.5	1829.2	3698.4	3742.8	1862.1
77.5°	104.0	104.9	130.7	166.3	105.8	78.3	121.8	1016.4	1874.5	1834.5	723.8
80°	72.0	74.7	102.3	128.9	84.5	58.7	81.8	440.2	676.7	624.2	225.0
82.5°	26.7	34.7	72.0	93.4	59.6	41.8	60.5	177.0	198.3	185.9	82.7
85°	4.4	4.4	39.1	68.5	32.0	24.9	38.2	61.4	64.9	68.5	42.7
87.5°	0.0	0.0	4.4	15.1	5.3	3.6	10.7	15.1	31.1	34.7	23.1
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°	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2	1267.2
2.5°	1271.6	1252.9	1215.6	1183.6	1133.8	1090.2	1062.6	1041.3	1025.3	1006.6	987.9
5°	1285.8	1242.3	1150.7	1047.5	941.7	846.6	768.3	697.2	650.9	645.6	623.4
7.5°	1298.3	1228.9	1074.2	891.0	729.2	591.3	494.4	434.8	383.3	367.3	374.4
10°	1298.3	1205.8	972.8	721.2	526.4	385.9	314.8	275.7	261.4	255.2	249.9
12.5°	1294.7	1168.5	845.7	562.0	366.4	281.0	249.0	234.8	226.8	223.2	221.4
15°	1289.4	1123.1	720.3	419.7	280.1	241.0	225.0	214.3	207.2	203.6	201.0
17.5°	1285.8	1076.0	606.5	318.3	241.9	219.6	206.3	195.6	189.4	184.1	183.2
20°	1275.2	1020.8	496.2	261.4	219.6	201.0	186.7	177.0	170.7	164.5	164.5
22.5°	1258.3	942.6	392.2	227.6	201.0	182.3	167.2	157.4	151.2	147.6	145.8
25°	1236.9	865.2	311.2	208.1	183.2	162.7	149.4	139.6	134.3	132.5	130.7
27.5°	1212.9	787.9	256.1	192.1	166.3	146.7	131.6	124.5	120.9	119.2	117.4
30°	1193.4	717.6	222.3	178.7	150.3	130.7	117.4	111.2	108.5	107.6	105.8
32.5°	1195.1	658.0	199.2	163.6	137.8	118.3	104.9	98.7	98.7	97.8	97.8
35°	1228.0	620.7	183.2	150.3	124.5	105.8	94.3	88.9	90.7	90.7	89.8
37.5°	1263.6	583.3	168.1	136.1	112.9	94.3	82.7	80.0	80.9	81.8	81.8
40°	1309.9	555.8	155.6	122.7	101.4	84.5	74.7	72.0	72.0	72.0	71.1
42.5°	1414.8	553.1	144.9	111.2	90.7	74.7	67.6	64.0	62.2	61.4	59.6
45°	1562.4	572.7	137.8	100.5	80.0	67.6	61.4	56.9	51.6	48.9	48.0
47.5°	1752.7	623.4	131.6	90.7	70.3	61.4	55.1	48.9	41.8	38.2	37.3
50°	1990.1	702.5	125.4	82.7	63.1	55.1	48.0	40.0	32.9	29.3	29.3
52.5°	2212.4	795.9	119.2	75.6	56.0	50.7	40.9	32.0	25.8	23.1	22.2
55°	2412.5	900.8	112.0	67.6	50.7	44.5	33.8	24.9	18.7	16.0	15.1
57.5°	2653.5	1033.3	103.2	59.6	45.4	38.2	26.7	17.8	12.4	8.9	8.0
60°	2916.7	1100.0	91.6	52.5	39.1	32.0	20.5	12.4	7.1	3.6	3.6
62.5°	3002.1	1067.1	77.4	45.4	33.8	25.8	15.1	8.0	2.7	0.0	0.0
65°	2846.5	914.1	65.8	40.0	29.3	19.6	10.7	4.4	0.0	0.0	0.0
67.5°	2488.1	711.4	54.2	34.7	24.9	16.0	7.1	0.9	0.0	0.0	0.0
70°	2054.1	527.3	45.4	28.5	21.3	12.4	4.4	0.0	0.0	0.0	0.0
72.5°	1585.5	374.4	39.1	24.0	17.8	9.8	2.7	0.0	0.0	0.0	0.0
75°	895.5	201.0	35.6	24.0	16.0	8.0	1.8	0.0	0.0	0.0	0.0
77.5°	369.9	92.5	31.1	24.0	16.0	8.9	2.7	0.0	0.0	0.0	0.0
80°	115.6	47.1	26.7	24.9	16.9	9.8	2.7	0.0	0.0	0.0	0.0
82.5°	54.2	36.5	27.6	23.1	15.1	8.9	2.7	0.0	0.0	0.0	0.0
85°	28.5	18.7	19.6	19.6	13.3	8.0	2.7	0.0	0.0	0.0	0.0
87.5°	8.0	0.9	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)