

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: P1208284

Luminaire Tested: UPW-SA1-060-730-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208284  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-730-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA 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: 4828 lumens  
Efficiency: N/A  
Efficacy: 81.8 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

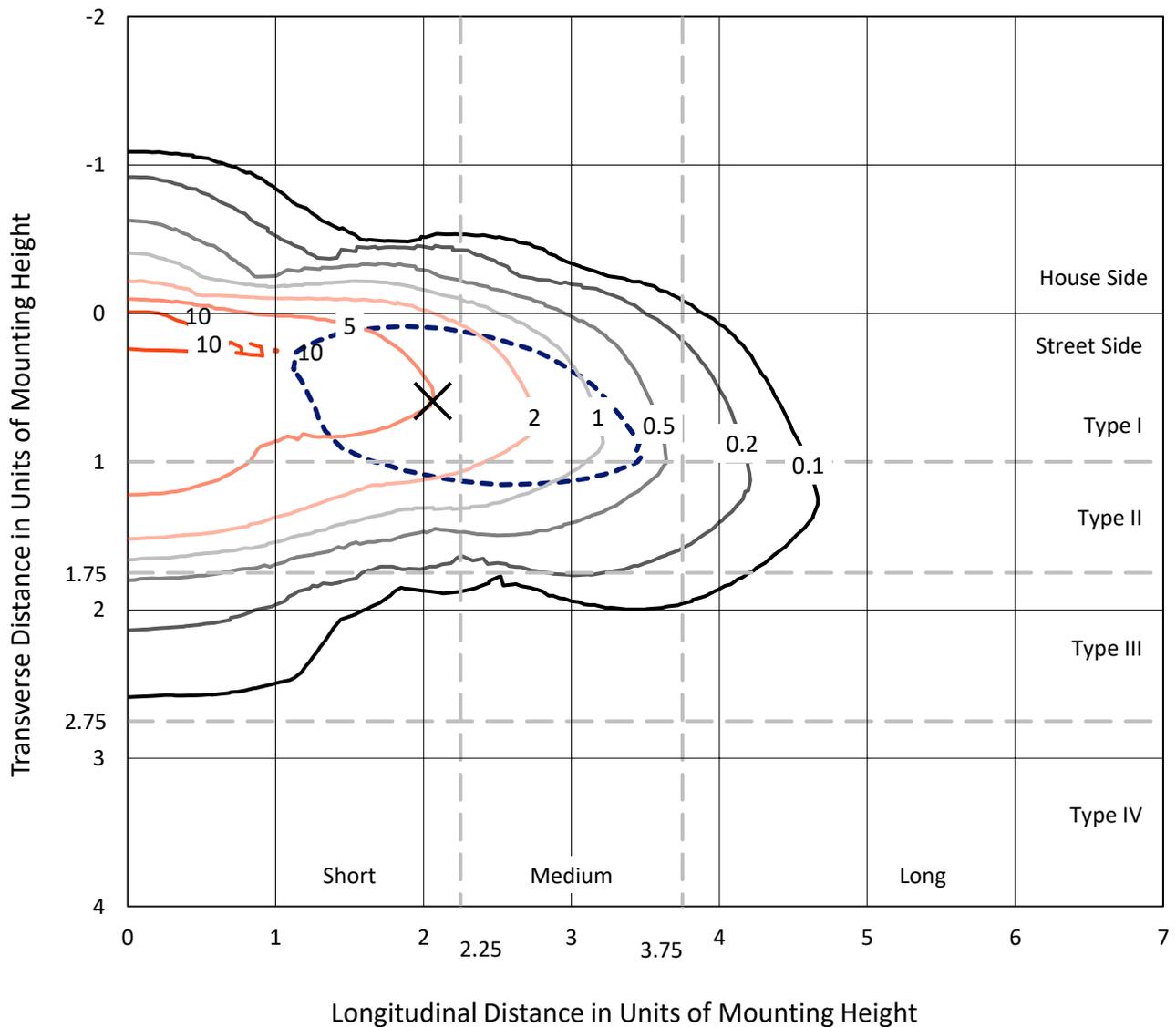
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

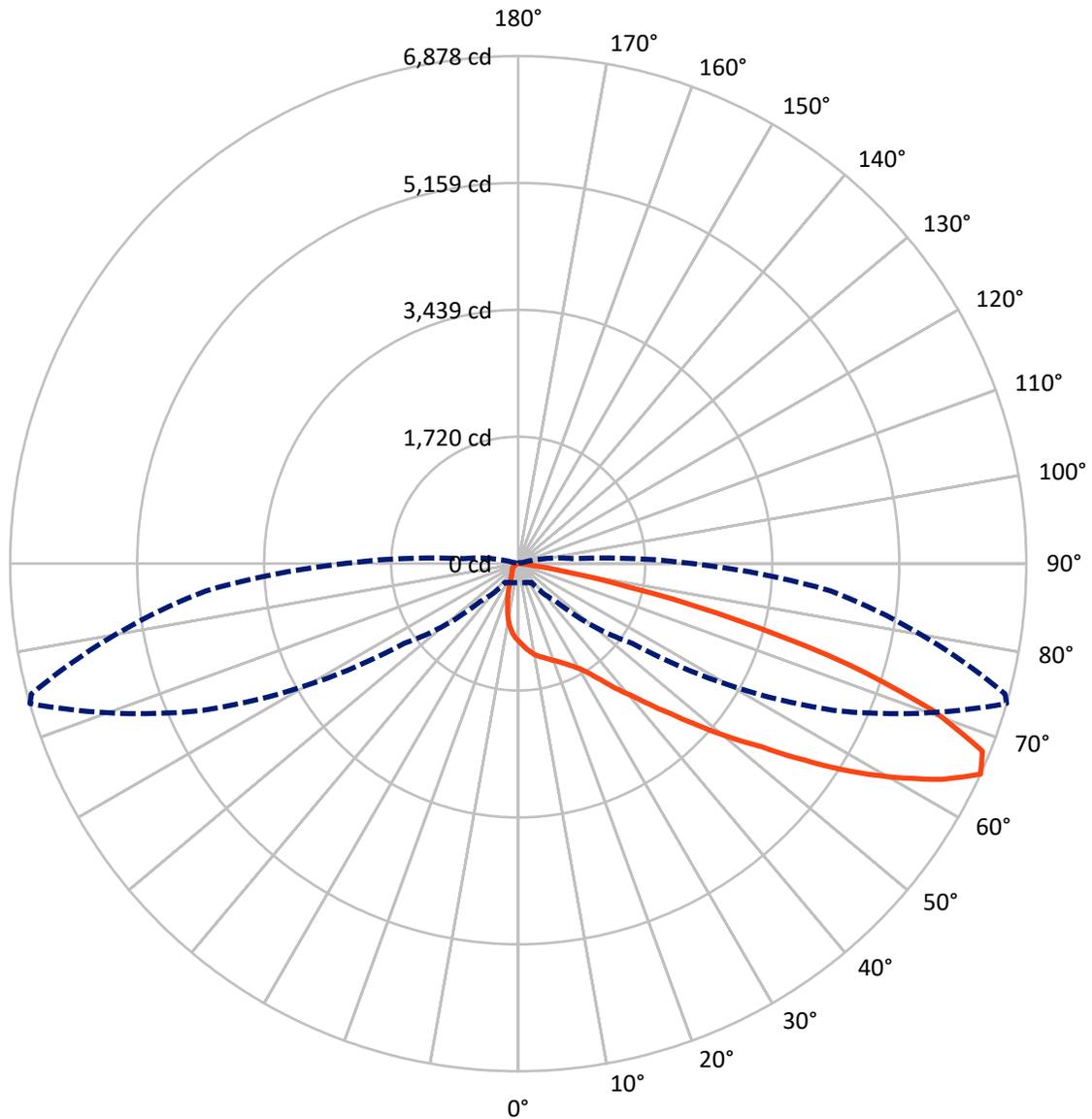
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 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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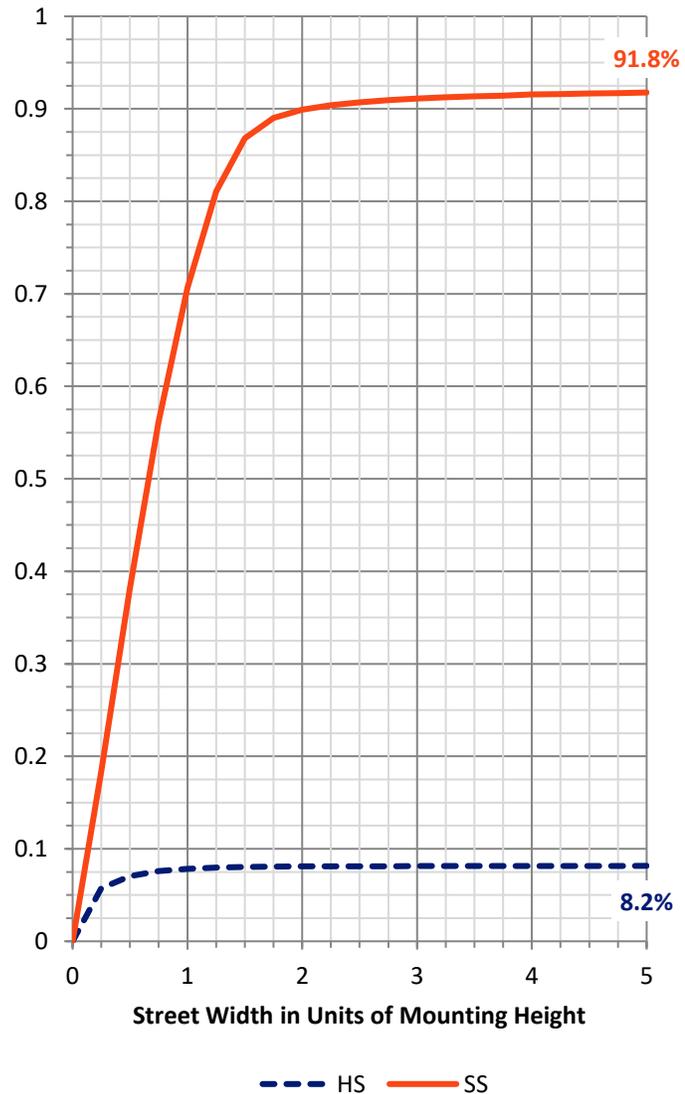
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	396.9	0.0	396.9
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	4431.1	0.0	4431.1
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	4828.0	0.0	4828.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	1.9
10°-20°	220.0	4.6
20°-30°	343.0	7.1
30°-40°	541.5	11.2
40°-50°	842.3	17.4
50°-60°	1217.5	25.2
60°-70°	1100.5	22.8
70°-80°	442.3	9.2
80°-90°	31.1	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°	4828.0	100.0
0°-180°	4828.0	100.0



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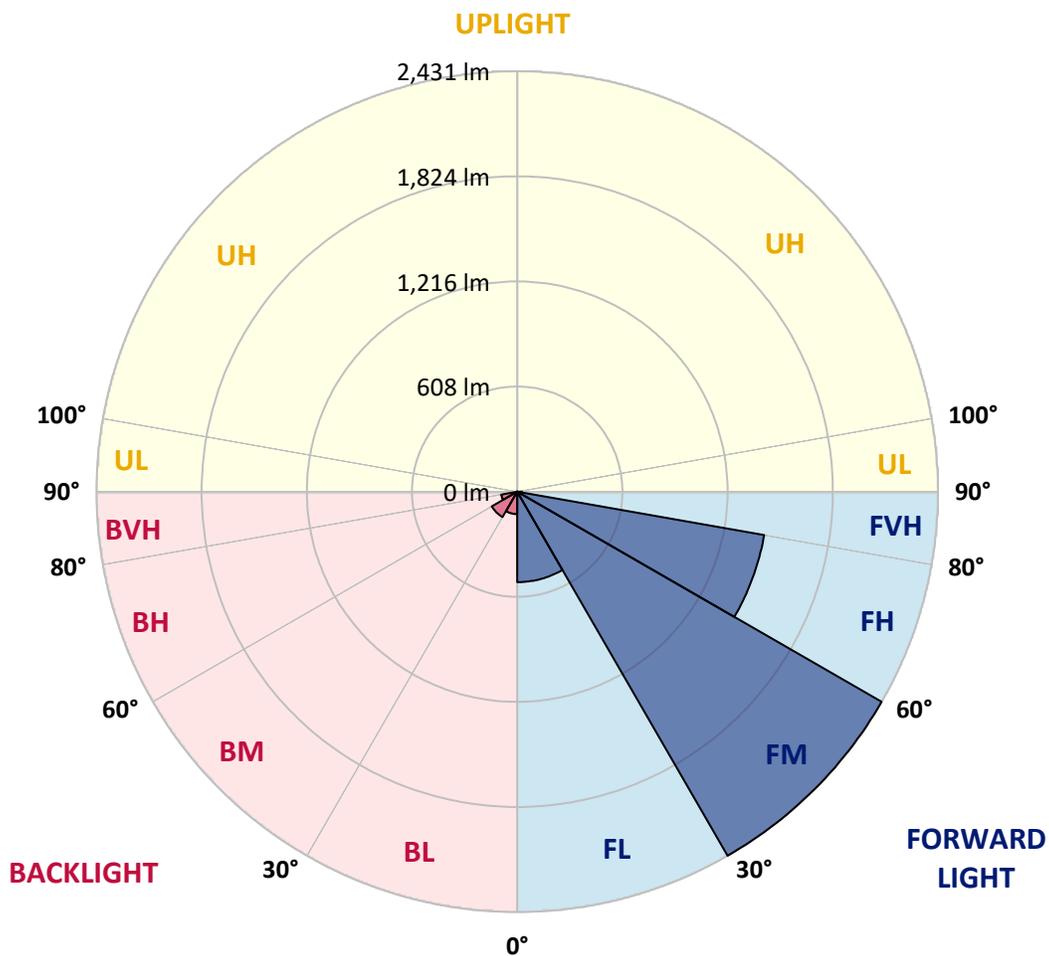
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	523.0	10.8			
FM	(30°-60°)	2431.4	50.4			
FH	(60°-80°)	1449.0	30.0			G1/1800
FVH	(80°-90°)	27.6	0.6			G1/100
BL	(0°-30°)	129.8	2.7	B1/500		
BM	(30°-60°)	169.8	3.5	B0/220		
BH	(60°-80°)	93.8	1.9	B0/110		G0/110
BVH	(80°-90°)	3.5	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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1187.0	1182.6	1184.8	1175.2	1173.7	1164.1	1142.7	1121.3	1101.4	1096.2	1071.8
5°	1273.4	1271.1	1268.9	1267.5	1260.8	1253.4	1223.2	1194.4	1157.5	1150.8	1099.9
7.5°	1296.2	1294.0	1298.5	1305.8	1310.3	1306.6	1284.4	1256.4	1209.9	1202.5	1128.7
10°	1245.3	1243.1	1263.0	1291.8	1318.4	1337.6	1329.5	1304.4	1255.6	1248.3	1148.6
12.5°	1133.1	1130.2	1162.6	1221.7	1284.4	1339.1	1355.3	1338.3	1292.6	1284.4	1164.8
15°	1030.5	1026.1	1058.6	1118.3	1197.3	1302.9	1364.9	1370.1	1322.8	1317.7	1182.6
17.5°	975.9	976.6	996.5	1046.0	1122.0	1237.2	1354.6	1399.6	1363.4	1356.8	1201.8
20°	998.0	999.5	1001.7	1020.9	1066.7	1179.6	1331.7	1431.3	1403.3	1395.9	1226.1
22.5°	1062.2	1065.9	1060.0	1049.7	1055.6	1137.5	1308.1	1466.0	1449.0	1441.7	1243.1
25°	1181.8	1177.4	1158.9	1117.6	1088.1	1125.0	1299.9	1505.9	1506.6	1497.8	1263.8
27.5°	1324.3	1312.5	1290.3	1224.6	1152.3	1145.7	1297.7	1548.7	1573.8	1561.3	1287.4
30°	1445.4	1439.5	1412.1	1351.6	1243.1	1193.6	1303.6	1590.0	1653.5	1646.9	1318.4
32.5°	1523.6	1522.1	1502.2	1461.6	1366.4	1271.1	1329.5	1646.1	1773.8	1751.7	1377.4
35°	1589.3	1582.7	1567.2	1540.6	1483.0	1376.7	1384.1	1736.2	1936.2	1929.6	1471.9
37.5°	1663.9	1655.7	1637.3	1604.1	1564.2	1501.5	1471.2	1852.8	2142.9	2140.0	1596.7
40°	1750.2	1745.1	1726.6	1682.3	1632.9	1595.2	1562.0	1973.2	2343.0	2322.3	1711.8
42.5°	1835.1	1836.6	1822.6	1776.8	1709.6	1658.7	1669.8	2095.7	2603.6	2593.2	1891.2
45°	1931.8	1926.7	1919.3	1886.1	1813.7	1708.9	1773.1	2265.5	2906.2	2932.1	2151.8
47.5°	1999.7	1998.3	2013.0	1987.9	1928.1	1789.3	1879.4	2475.9	3278.3	3302.6	2438.2
50°	2017.4	2015.2	2064.7	2085.4	2083.1	1945.1	2025.6	2742.3	3687.2	3683.5	2758.6
52.5°	1903.8	1908.9	2004.9	2114.9	2217.5	2185.0	2289.1	3109.2	4124.2	4136.8	3059.8
55°	1577.5	1610.0	1716.3	1970.9	2241.1	2429.4	2628.7	3614.1	4700.7	4667.5	3296.7
57.5°	989.2	972.2	1151.6	1520.7	1950.3	2447.8	2903.3	4121.3	5316.4	5274.3	3645.1
60°	504.2	482.0	586.9	848.2	1353.8	2057.3	2909.2	4563.4	5884.0	5836.8	3997.2
62.5°	308.6	304.9	326.3	414.1	701.3	1387.8	2520.9	4830.7	6439.1	6401.5	4235.7
65°	259.8	259.1	267.2	281.2	310.8	720.5	1880.9	4700.0	6878.4	6823.7	4249.7
67.5°	230.3	230.3	247.3	253.9	206.7	310.0	1153.8	4156.7	6775.8	6765.4	3953.7
70°	198.6	195.6	219.2	239.2	172.0	159.4	594.2	3339.5	5952.7	5986.6	3367.6
72.5°	149.9	152.8	177.2	203.7	141.0	112.2	271.7	2337.1	4687.4	4703.7	2646.4
75°	112.9	115.9	137.3	166.8	113.7	84.9	149.9	1518.4	3070.1	3107.0	1545.7
77.5°	86.4	87.1	108.5	138.0	87.8	65.0	101.1	843.7	1556.1	1522.9	600.9
80°	59.8	62.0	84.9	107.0	70.1	48.7	67.9	365.4	561.8	518.2	186.8
82.5°	22.1	28.8	59.8	77.5	49.5	34.7	50.2	146.9	164.6	154.3	68.7
85°	3.7	3.7	32.5	56.8	26.6	20.7	31.7	50.9	53.9	56.8	35.4
87.5°	0.0	0.0	3.7	12.5	4.4	3.0	8.9	12.5	25.8	28.8	19.2
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°	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9	1051.9
2.5°	1055.6	1040.1	1009.1	982.5	941.2	905.0	882.1	864.4	851.1	835.6	820.1
5°	1067.4	1031.2	955.2	869.6	781.7	702.7	637.8	578.7	540.3	535.9	517.5
7.5°	1077.7	1020.2	891.7	739.7	605.3	490.9	410.4	361.0	318.2	304.9	310.8
10°	1077.7	1001.0	807.6	598.7	437.0	320.4	261.3	228.8	217.0	211.9	207.4
12.5°	1074.8	970.0	702.0	466.5	304.1	233.3	206.7	194.9	188.2	185.3	183.8
15°	1070.4	932.3	597.9	348.4	232.5	200.0	186.8	177.9	172.0	169.0	166.8
17.5°	1067.4	893.2	503.4	264.3	200.8	182.3	171.3	162.4	157.2	152.8	152.1
20°	1058.6	847.4	411.9	217.0	182.3	166.8	155.0	146.9	141.7	136.6	136.6
22.5°	1044.5	782.5	325.5	189.0	166.8	151.3	138.8	130.7	125.5	122.5	121.1
25°	1026.8	718.2	258.4	172.7	152.1	135.1	124.0	115.9	111.5	110.0	108.5
27.5°	1006.9	654.0	212.6	159.4	138.0	121.8	109.3	103.3	100.4	98.9	97.4
30°	990.6	595.7	184.5	148.4	124.8	108.5	97.4	92.3	90.1	89.3	87.8
32.5°	992.1	546.3	165.4	135.8	114.4	98.2	87.1	81.9	81.9	81.2	81.2
35°	1019.4	515.2	152.1	124.8	103.3	87.8	78.2	73.8	75.3	75.3	74.6
37.5°	1049.0	484.2	139.5	112.9	93.7	78.2	68.7	66.4	67.2	67.9	67.9
40°	1087.3	461.4	129.2	101.9	84.2	70.1	62.0	59.8	59.8	59.8	59.1
42.5°	1174.4	459.1	120.3	92.3	75.3	62.0	56.1	53.1	51.7	50.9	49.5
45°	1297.0	475.4	114.4	83.4	66.4	56.1	50.9	47.2	42.8	40.6	39.9
47.5°	1455.0	517.5	109.3	75.3	58.3	50.9	45.8	40.6	34.7	31.7	31.0
50°	1652.0	583.2	104.1	68.7	52.4	45.8	39.9	33.2	27.3	24.4	24.4
52.5°	1836.6	660.7	98.9	62.7	46.5	42.1	34.0	26.6	21.4	19.2	18.5
55°	2002.7	747.8	93.0	56.1	42.1	36.9	28.1	20.7	15.5	13.3	12.5
57.5°	2202.7	857.8	85.6	49.5	37.6	31.7	22.1	14.8	10.3	7.4	6.6
60°	2421.2	913.1	76.0	43.6	32.5	26.6	17.0	10.3	5.9	3.0	3.0
62.5°	2492.1	885.8	64.2	37.6	28.1	21.4	12.5	6.6	2.2	0.0	0.0
65°	2362.9	758.8	54.6	33.2	24.4	16.2	8.9	3.7	0.0	0.0	0.0
67.5°	2065.4	590.5	45.0	28.8	20.7	13.3	5.9	0.7	0.0	0.0	0.0
70°	1705.2	437.7	37.6	23.6	17.7	10.3	3.7	0.0	0.0	0.0	0.0
72.5°	1316.2	310.8	32.5	19.9	14.8	8.1	2.2	0.0	0.0	0.0	0.0
75°	743.3	166.8	29.5	19.9	13.3	6.6	1.5	0.0	0.0	0.0	0.0
77.5°	307.1	76.8	25.8	19.9	13.3	7.4	2.2	0.0	0.0	0.0	0.0
80°	96.0	39.1	22.1	20.7	14.0	8.1	2.2	0.0	0.0	0.0	0.0
82.5°	45.0	30.3	22.9	19.2	12.5	7.4	2.2	0.0	0.0	0.0	0.0
85°	23.6	15.5	16.2	16.2	11.1	6.6	2.2	0.0	0.0	0.0	0.0
87.5°	6.6	0.7	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)