

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: P1208041

Luminaire Tested: UPW-SA1-040-730-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208041  
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-SA1-040-730-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 800mA 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: 3901 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

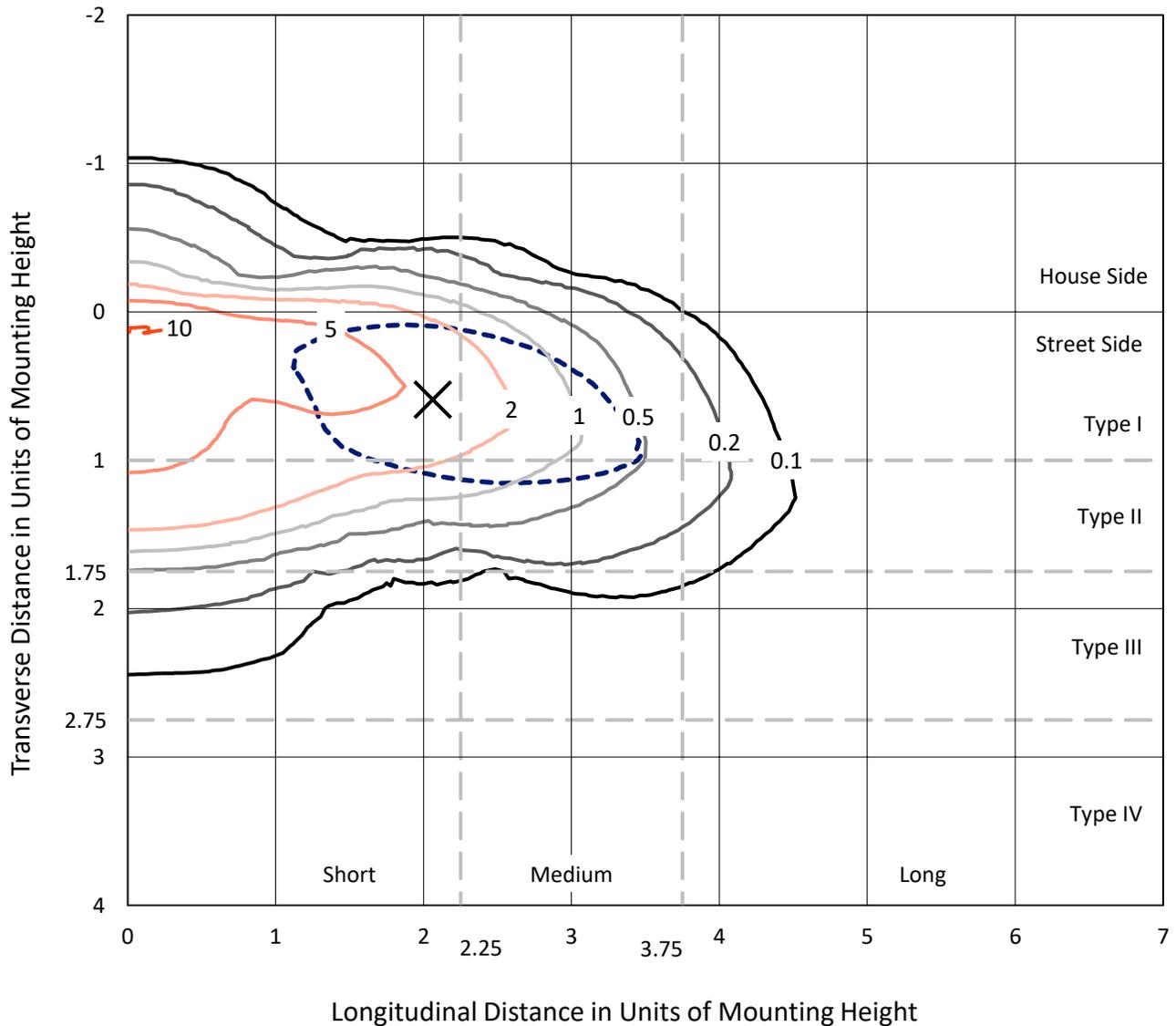
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

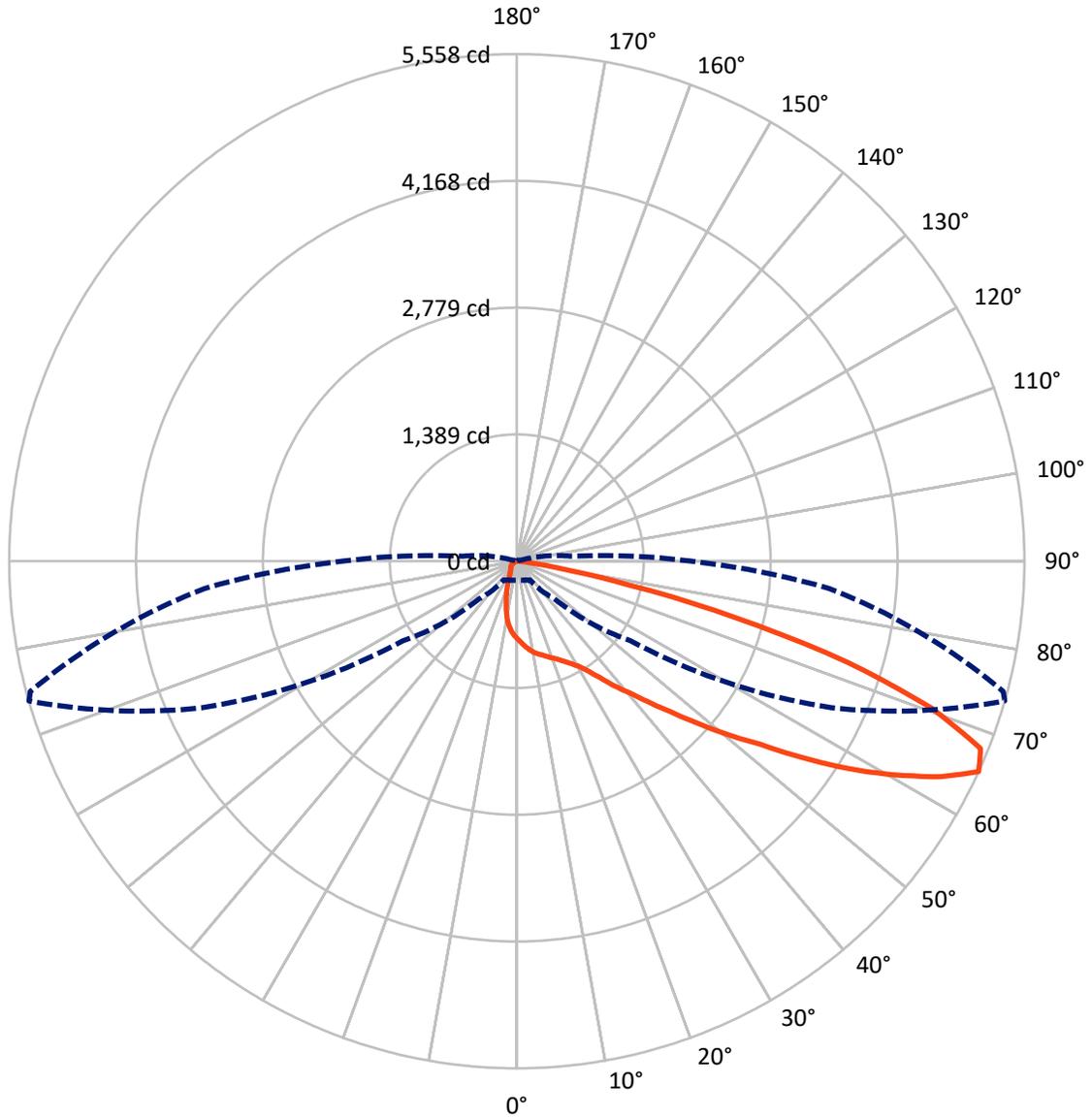
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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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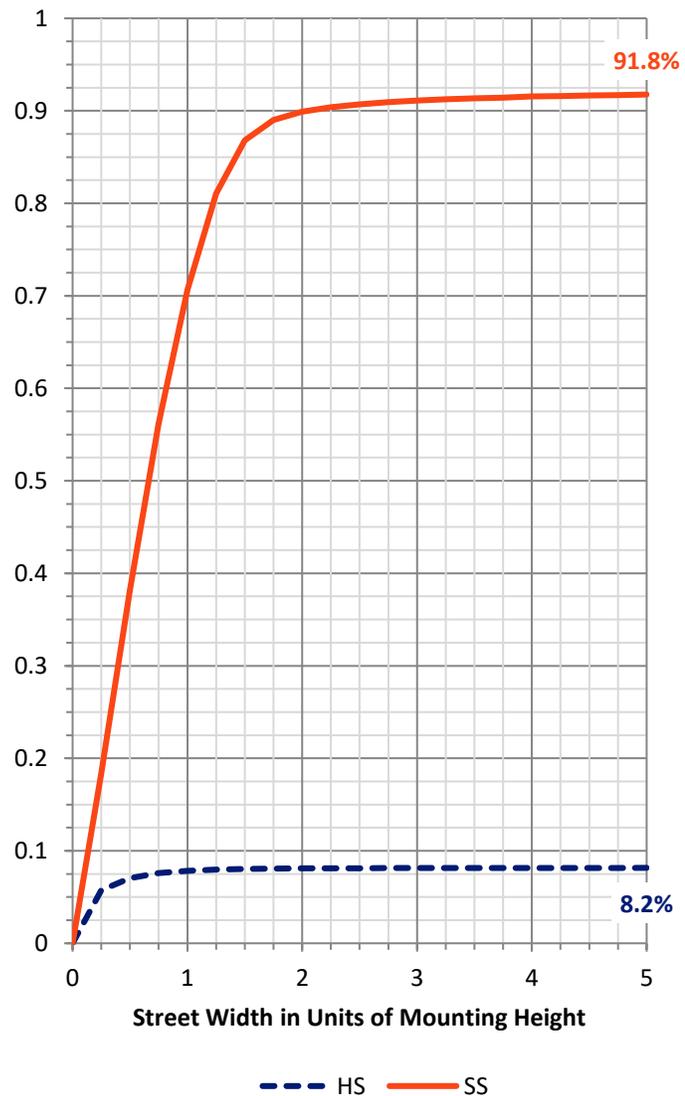
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	320.7	0.0	320.7
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	3580.3	0.0	3580.3
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	3901.0	0.0	3901.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.6	1.9
10°-20°	177.8	4.6
20°-30°	277.2	7.1
30°-40°	437.5	11.2
40°-50°	680.5	17.4
50°-60°	983.7	25.2
60°-70°	889.2	22.8
70°-80°	357.4	9.2
80°-90°	25.1	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°	3901.0	100.0
0°-180°	3901.0	100.0



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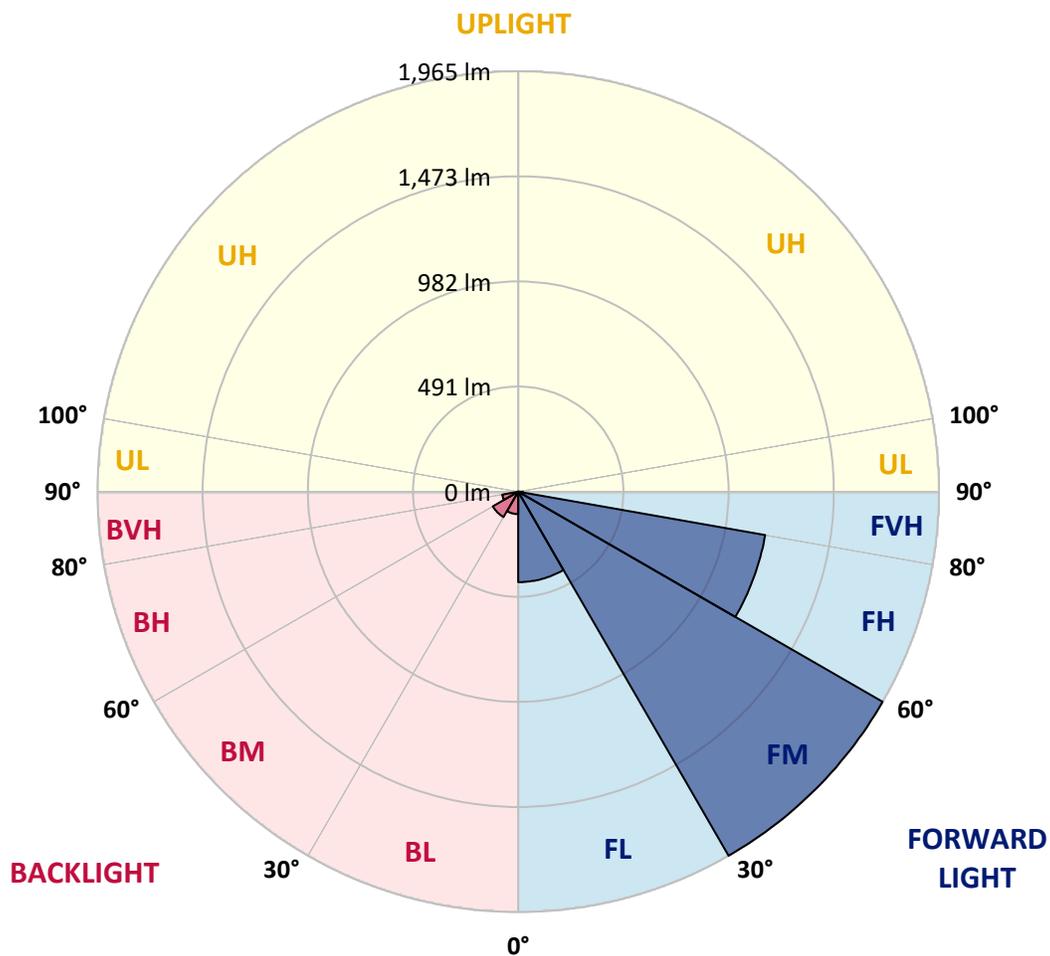
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.6	10.8			
FM (30°-60°)	1964.6	50.4			
FH (60°-80°)	1170.8	30.0			G1/1800
FVH (80°-90°)	22.3	0.6			G1/100
BL (0°-30°)	104.9	2.7	B0/110		
BM (30°-60°)	137.2	3.5	B0/220		
BH (60°-80°)	75.8	1.9	B0/110		G0/110
BVH (80°-90°)	2.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9
2.5°	959.1	955.5	957.3	949.5	948.3	940.6	923.3	906.0	889.9	885.7	866.0
5°	1028.9	1027.1	1025.3	1024.1	1018.7	1012.8	988.3	965.0	935.2	929.9	888.7
7.5°	1047.4	1045.6	1049.1	1055.1	1058.7	1055.7	1037.8	1015.2	977.6	971.6	912.0
10°	1006.2	1004.4	1020.5	1043.8	1065.3	1080.8	1074.2	1053.9	1014.6	1008.6	928.1
12.5°	915.5	913.2	939.4	987.1	1037.8	1082.0	1095.1	1081.4	1044.4	1037.8	941.2
15°	832.6	829.1	855.3	903.6	967.4	1052.7	1102.8	1107.0	1068.8	1064.7	955.5
17.5°	788.5	789.1	805.2	845.2	906.6	999.6	1094.5	1130.9	1101.6	1096.3	971.0
20°	806.4	807.6	809.4	824.9	861.9	953.1	1076.0	1156.5	1133.8	1127.9	990.7
22.5°	858.3	861.3	856.5	848.1	852.9	919.1	1056.9	1184.5	1170.8	1164.9	1004.4
25°	954.9	951.3	936.4	903.0	879.2	909.0	1050.3	1216.7	1217.3	1210.2	1021.1
27.5°	1070.0	1060.5	1042.6	989.5	931.1	925.7	1048.6	1251.3	1271.6	1261.5	1040.2
30°	1167.8	1163.1	1141.0	1092.1	1004.4	964.5	1053.3	1284.7	1336.0	1330.7	1065.3
32.5°	1231.1	1229.9	1213.8	1181.0	1104.0	1027.1	1074.2	1330.1	1433.3	1415.4	1113.0
35°	1284.1	1278.8	1266.3	1244.8	1198.3	1112.4	1118.3	1402.8	1564.5	1559.1	1189.3
37.5°	1344.4	1337.8	1322.9	1296.1	1263.9	1213.2	1188.7	1497.1	1731.5	1729.1	1290.1
40°	1414.2	1410.0	1395.1	1359.3	1319.3	1288.9	1262.1	1594.3	1893.1	1876.4	1383.2
42.5°	1482.8	1484.0	1472.6	1435.6	1381.4	1340.2	1349.2	1693.3	2103.7	2095.3	1528.1
45°	1560.9	1556.7	1550.8	1523.9	1465.5	1380.8	1432.7	1830.5	2348.2	2369.1	1738.6
47.5°	1615.8	1614.6	1626.5	1606.2	1557.9	1445.8	1518.6	2000.5	2648.8	2668.5	1970.1
50°	1630.1	1628.3	1668.3	1685.0	1683.2	1571.6	1636.6	2215.8	2979.2	2976.3	2228.9
52.5°	1538.2	1542.4	1619.9	1708.8	1791.7	1765.5	1849.6	2512.2	3332.3	3342.5	2472.3
55°	1274.6	1300.8	1386.7	1592.5	1810.8	1962.9	2123.9	2920.2	3798.2	3771.3	2663.7
57.5°	799.2	785.5	930.5	1228.7	1575.8	1977.8	2345.8	3330.0	4295.6	4261.6	2945.3
60°	407.4	389.5	474.2	685.3	1093.9	1662.3	2350.6	3687.2	4754.3	4716.1	3229.8
62.5°	249.3	246.3	263.6	334.6	566.6	1121.3	2036.9	3903.1	5202.8	5172.4	3422.4
65°	209.9	209.4	215.9	227.2	251.1	582.1	1519.7	3797.6	5557.7	5513.5	3433.7
67.5°	186.1	186.1	199.8	205.2	167.0	250.5	932.2	3358.6	5474.8	5466.4	3194.6
70°	160.4	158.1	177.1	193.2	139.0	128.8	480.1	2698.3	4809.7	4837.2	2721.0
72.5°	121.1	123.5	143.1	164.6	113.9	90.7	219.5	1888.3	3787.4	3800.6	2138.3
75°	91.3	93.6	110.9	134.8	91.9	68.6	121.1	1226.9	2480.6	2510.4	1249.0
77.5°	69.8	70.4	87.7	111.5	71.0	52.5	81.7	681.7	1257.3	1230.5	485.5
80°	48.3	50.1	68.6	86.5	56.7	39.4	54.9	295.2	453.9	418.7	150.9
82.5°	17.9	23.3	48.3	62.6	40.0	28.0	40.6	118.7	133.0	124.7	55.5
85°	3.0	3.0	26.2	45.9	21.5	16.7	25.6	41.2	43.5	45.9	28.6
87.5°	0.0	0.0	3.0	10.1	3.6	2.4	7.2	10.1	20.9	23.3	15.5
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°	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9	849.9
2.5°	852.9	840.4	815.3	793.9	760.5	731.2	712.8	698.4	687.7	675.2	662.7
5°	862.5	833.2	771.8	702.6	631.6	567.8	515.3	467.6	436.6	433.0	418.1
7.5°	870.8	824.3	720.5	597.6	489.1	396.6	331.6	291.7	257.1	246.3	251.1
10°	870.8	808.8	652.5	483.7	353.1	258.9	211.1	184.9	175.4	171.2	167.6
12.5°	868.4	783.7	567.2	377.0	245.7	188.5	167.0	157.5	152.1	149.7	148.5
15°	864.8	753.3	483.1	281.5	187.9	161.6	150.9	143.7	139.0	136.6	134.8
17.5°	862.5	721.7	406.8	213.5	162.2	147.3	138.4	131.2	127.0	123.5	122.9
20°	855.3	684.7	332.8	175.4	147.3	134.8	125.3	118.7	114.5	110.3	110.3
22.5°	844.0	632.2	263.0	152.7	134.8	122.3	112.1	105.6	101.4	99.0	97.8
25°	829.7	580.3	208.8	139.6	122.9	109.1	100.2	93.6	90.1	88.9	87.7
27.5°	813.6	528.5	171.8	128.8	111.5	98.4	88.3	83.5	81.1	79.9	78.7
30°	800.4	481.3	149.1	119.9	100.8	87.7	78.7	74.6	72.8	72.2	71.0
32.5°	801.6	441.4	133.6	109.7	92.4	79.3	70.4	66.2	66.2	65.6	65.6
35°	823.7	416.3	122.9	100.8	83.5	71.0	63.2	59.6	60.8	60.8	60.2
37.5°	847.5	391.3	112.7	91.3	75.7	63.2	55.5	53.7	54.3	54.9	54.9
40°	878.6	372.8	104.4	82.3	68.0	56.7	50.1	48.3	48.3	48.3	47.7
42.5°	948.9	371.0	97.2	74.6	60.8	50.1	45.3	42.9	41.8	41.2	40.0
45°	1048.0	384.1	92.4	67.4	53.7	45.3	41.2	38.2	34.6	32.8	32.2
47.5°	1175.6	418.1	88.3	60.8	47.1	41.2	37.0	32.8	28.0	25.6	25.1
50°	1334.8	471.2	84.1	55.5	42.3	37.0	32.2	26.8	22.1	19.7	19.7
52.5°	1484.0	533.8	79.9	50.7	37.6	34.0	27.4	21.5	17.3	15.5	14.9
55°	1618.2	604.2	75.2	45.3	34.0	29.8	22.7	16.7	12.5	10.7	10.1
57.5°	1779.8	693.1	69.2	40.0	30.4	25.6	17.9	11.9	8.4	6.0	5.4
60°	1956.3	737.8	61.4	35.2	26.2	21.5	13.7	8.4	4.8	2.4	2.4
62.5°	2013.6	715.7	51.9	30.4	22.7	17.3	10.1	5.4	1.8	0.0	0.0
65°	1909.2	613.1	44.1	26.8	19.7	13.1	7.2	3.0	0.0	0.0	0.0
67.5°	1668.9	477.2	36.4	23.3	16.7	10.7	4.8	0.6	0.0	0.0	0.0
70°	1377.8	353.7	30.4	19.1	14.3	8.4	3.0	0.0	0.0	0.0	0.0
72.5°	1063.5	251.1	26.2	16.1	11.9	6.6	1.8	0.0	0.0	0.0	0.0
75°	600.6	134.8	23.9	16.1	10.7	5.4	1.2	0.0	0.0	0.0	0.0
77.5°	248.1	62.0	20.9	16.1	10.7	6.0	1.8	0.0	0.0	0.0	0.0
80°	77.5	31.6	17.9	16.7	11.3	6.6	1.8	0.0	0.0	0.0	0.0
82.5°	36.4	24.5	18.5	15.5	10.1	6.0	1.8	0.0	0.0	0.0	0.0
85°	19.1	12.5	13.1	13.1	8.9	5.4	1.8	0.0	0.0	0.0	0.0
87.5°	5.4	0.6	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)