

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: P1208419

Luminaire Tested: UPW-SA1-060-827-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208419  
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-SA1-060-827-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 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: 3897 lumens  
Efficiency: N/A  
Efficacy: 67.2 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

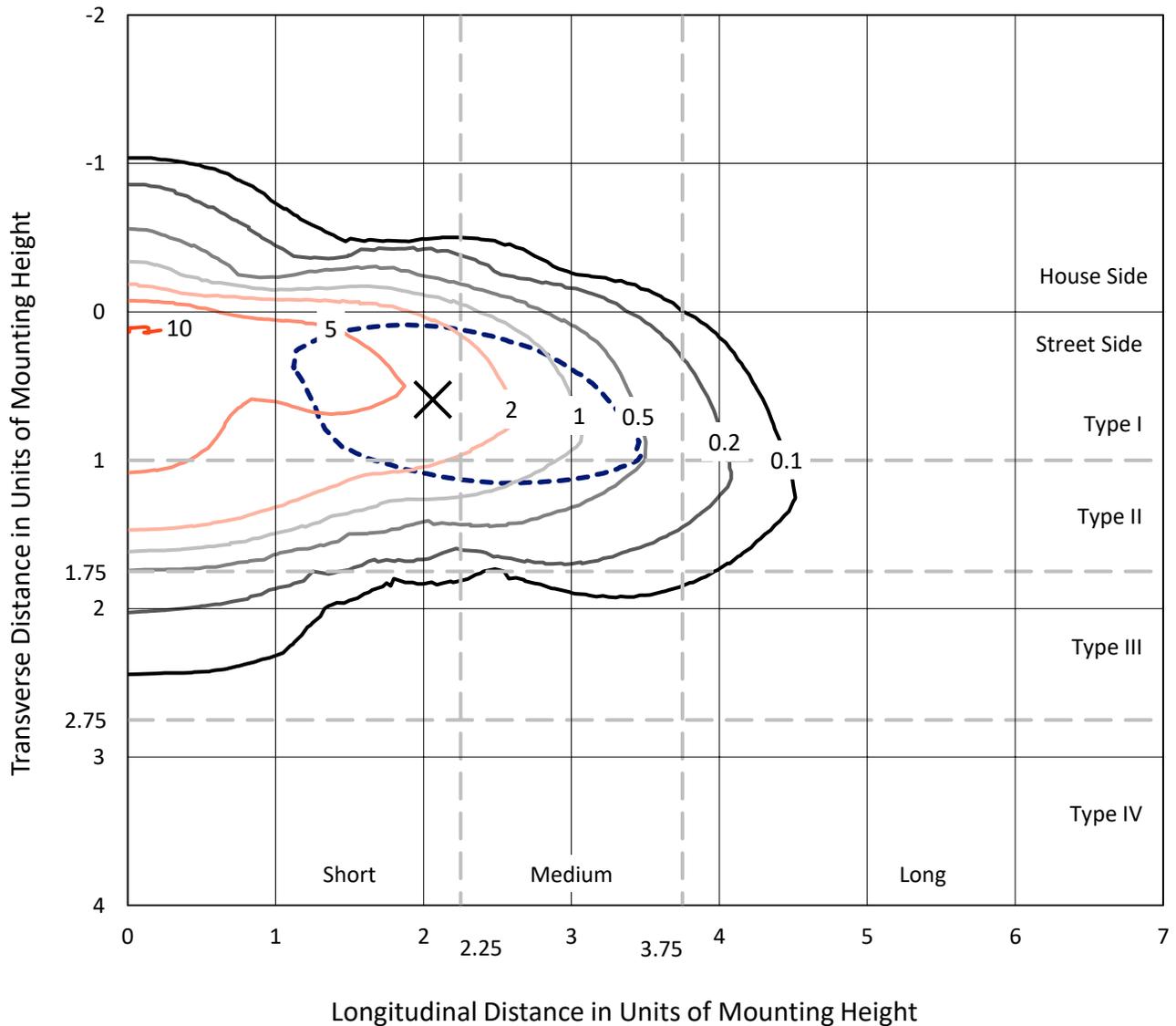
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

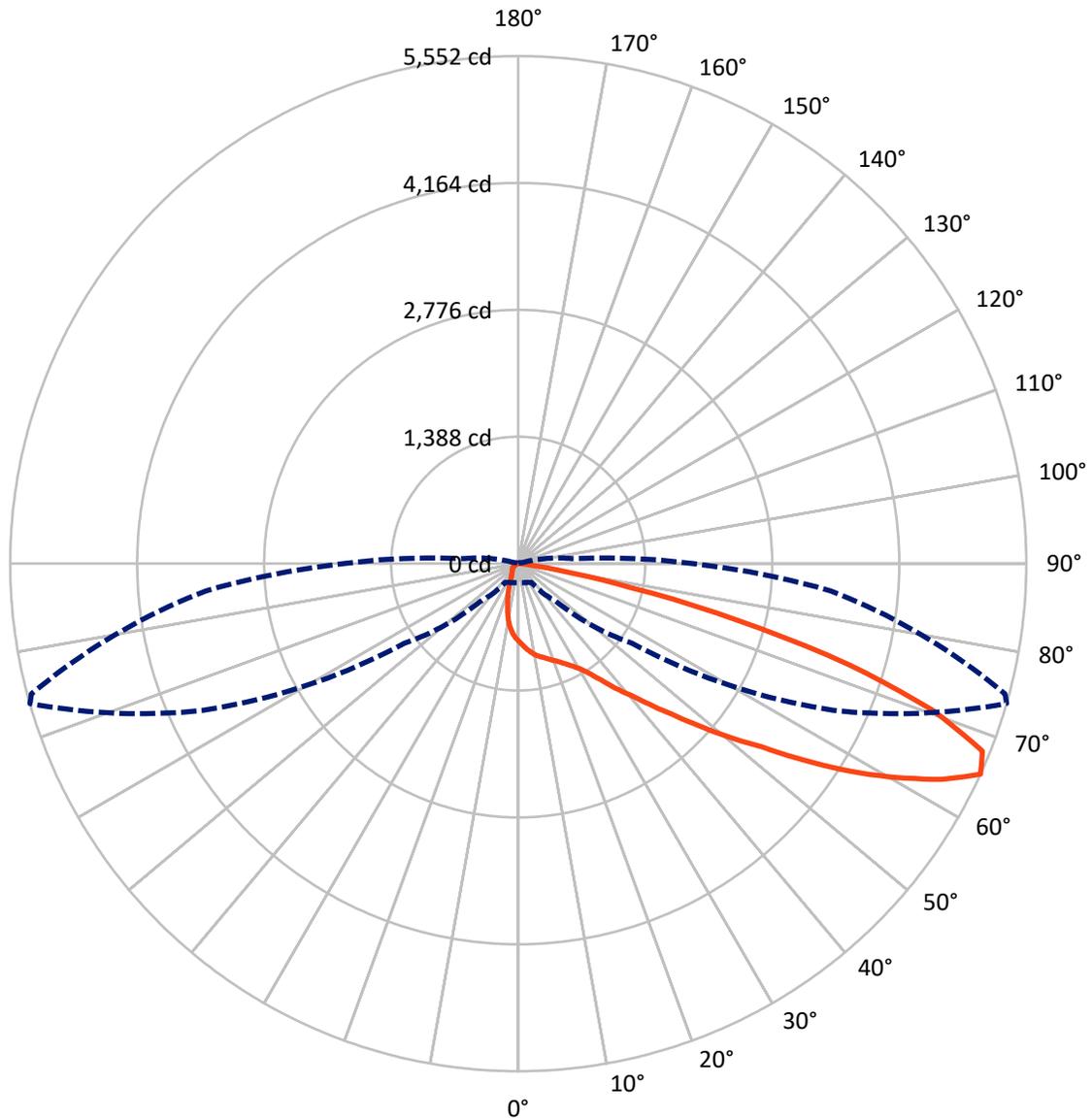
× Max cd  
 - - - 1/2 Max cd



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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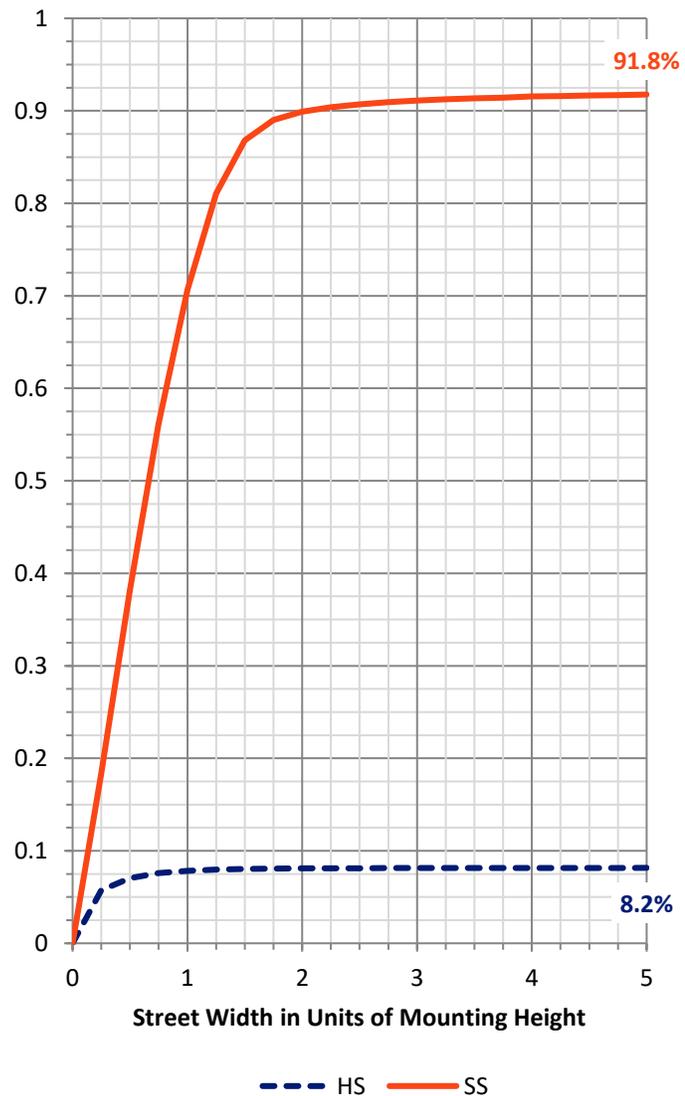
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	320.4	0.0	320.4
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	3576.7	0.0	3576.7
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	3897.0	0.0	3897.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	1.9
10°-20°	177.6	4.6
20°-30°	276.9	7.1
30°-40°	437.1	11.2
40°-50°	679.8	17.4
50°-60°	982.7	25.2
60°-70°	888.3	22.8
70°-80°	357.0	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°	3897.0	100.0
0°-180°	3897.0	100.0



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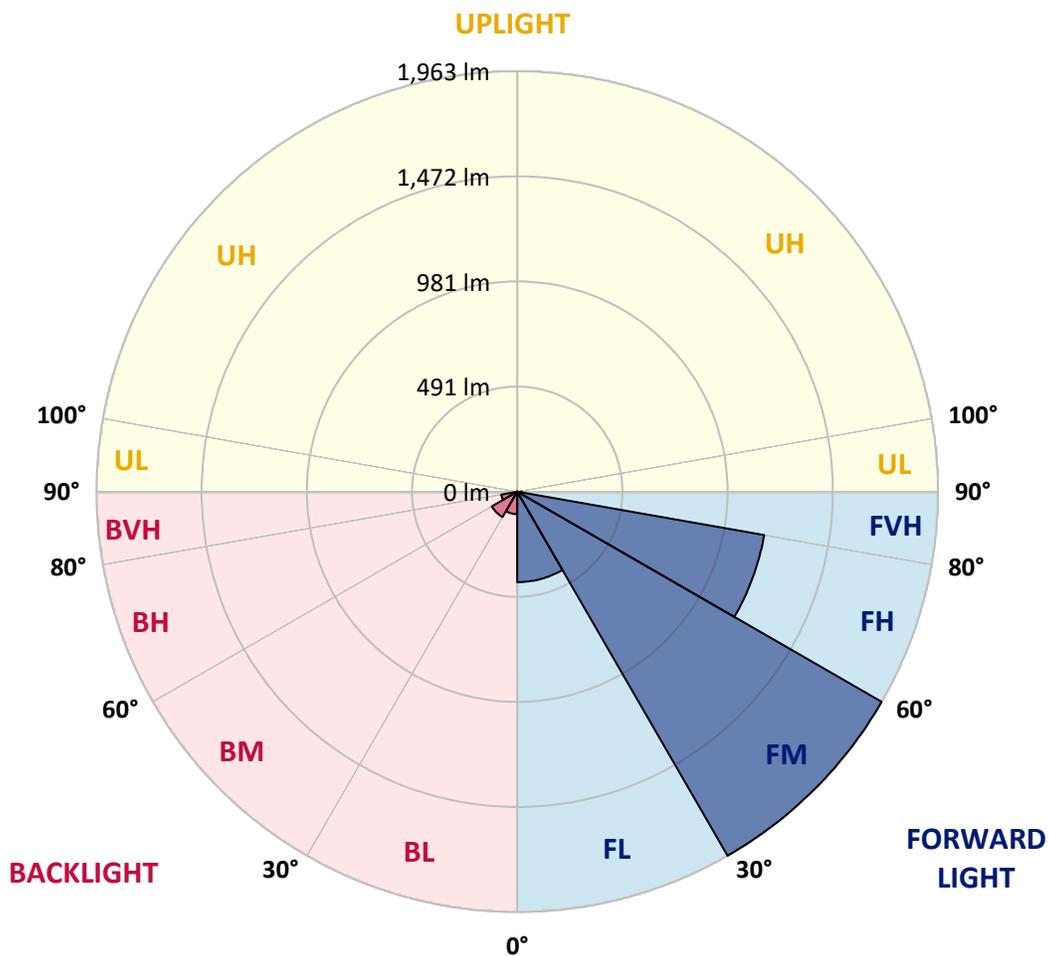
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.2	10.8			
FM	(30°-60°)	1962.6	50.4			
FH	(60°-80°)	1169.6	30.0			G1/1800
FVH	(80°-90°)	22.3	0.6			G1/100
BL	(0°-30°)	104.8	2.7	B0/110		
BM	(30°-60°)	137.1	3.5	B0/220		
BH	(60°-80°)	75.7	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°	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1
2.5°	958.1	954.5	956.3	948.6	947.4	939.6	922.4	905.1	889.0	884.8	865.2
5°	1027.8	1026.0	1024.2	1023.0	1017.7	1011.7	987.3	964.1	934.3	928.9	887.8
7.5°	1046.3	1044.5	1048.1	1054.0	1057.6	1054.6	1036.8	1014.1	976.6	970.6	911.0
10°	1005.2	1003.4	1019.5	1042.7	1064.2	1079.7	1073.1	1052.8	1013.5	1007.6	927.1
12.5°	914.6	912.2	938.4	986.1	1036.8	1080.8	1094.0	1080.2	1043.3	1036.8	940.2
15°	831.8	828.2	854.4	902.7	966.4	1051.6	1101.7	1105.9	1067.7	1063.6	954.5
17.5°	787.7	788.3	804.4	844.3	905.7	998.6	1093.4	1129.7	1100.5	1095.1	970.0
20°	805.6	806.8	808.5	824.0	861.0	952.1	1074.9	1155.3	1132.7	1126.7	989.7
22.5°	857.4	860.4	855.6	847.3	852.0	918.2	1055.8	1183.3	1169.6	1163.7	1003.4
25°	953.9	950.4	935.5	902.1	878.3	908.1	1049.3	1215.5	1216.1	1208.9	1020.1
27.5°	1068.9	1059.4	1041.5	988.5	930.1	924.7	1047.5	1250.1	1270.3	1260.2	1039.1
30°	1166.6	1161.9	1139.8	1091.0	1003.4	963.5	1052.2	1283.4	1334.7	1329.3	1064.2
32.5°	1229.8	1228.6	1212.5	1179.8	1102.9	1026.0	1073.1	1328.7	1431.8	1413.9	1111.8
35°	1282.8	1277.5	1265.0	1243.5	1197.0	1111.2	1117.2	1401.4	1562.9	1557.5	1188.1
37.5°	1343.0	1336.5	1321.6	1294.7	1262.6	1211.9	1187.5	1495.5	1729.7	1727.3	1288.8
40°	1412.7	1408.6	1393.7	1357.9	1318.0	1287.6	1260.8	1592.7	1891.2	1874.5	1381.7
42.5°	1481.2	1482.4	1471.1	1434.2	1380.0	1338.8	1347.8	1691.6	2101.5	2093.2	1526.5
45°	1559.3	1555.1	1549.2	1522.4	1464.0	1379.4	1431.2	1828.6	2345.8	2366.7	1736.9
47.5°	1614.1	1612.9	1624.8	1604.6	1556.3	1444.3	1517.0	1998.4	2646.1	2665.8	1968.0
50°	1628.4	1626.6	1666.5	1683.2	1681.4	1570.0	1635.0	2213.5	2976.2	2973.2	2226.6
52.5°	1536.7	1540.8	1618.3	1707.1	1789.9	1763.7	1847.7	2509.7	3328.9	3339.1	2469.7
55°	1273.3	1299.5	1385.3	1590.9	1809.0	1960.9	2121.8	2917.2	3794.3	3767.5	2661.0
57.5°	798.4	784.7	929.5	1227.4	1574.2	1975.8	2343.4	3326.5	4291.2	4257.2	2942.2
60°	407.0	389.1	473.7	684.6	1092.8	1660.6	2348.2	3683.4	4749.4	4711.3	3226.4
62.5°	249.1	246.1	263.4	334.3	566.0	1120.2	2034.8	3899.1	5197.5	5167.1	3418.9
65°	209.7	209.1	215.7	227.0	250.8	581.5	1518.2	3793.7	5552.0	5507.9	3430.2
67.5°	185.9	185.9	199.6	205.0	166.8	250.3	931.3	3355.1	5469.2	5460.8	3191.3
70°	160.3	157.9	177.0	193.1	138.8	128.7	479.6	2695.6	4804.8	4832.2	2718.2
72.5°	121.0	123.3	143.0	164.5	113.8	90.6	219.3	1886.4	3783.5	3796.7	2136.1
75°	91.2	93.5	110.8	134.7	91.8	68.5	121.0	1225.6	2478.1	2507.9	1247.7
77.5°	69.7	70.3	87.6	111.4	70.9	52.4	81.6	681.0	1256.0	1229.2	485.0
80°	48.3	50.1	68.5	86.4	56.6	39.3	54.8	294.9	453.4	418.3	150.7
82.5°	17.9	23.2	48.3	62.6	39.9	28.0	40.5	118.6	132.9	124.5	55.4
85°	3.0	3.0	26.2	45.9	21.5	16.7	25.6	41.1	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	23.2	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°	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1	849.1
2.5°	852.0	839.5	814.5	793.1	759.7	730.5	712.0	697.7	687.0	674.5	662.0
5°	861.6	832.4	771.0	701.9	631.0	567.2	514.8	467.1	436.2	432.6	417.7
7.5°	869.9	823.4	719.8	597.0	488.6	396.2	331.3	291.4	256.8	246.1	250.8
10°	869.9	808.0	651.8	483.2	352.7	258.6	210.9	184.7	175.2	171.0	167.4
12.5°	867.5	782.9	566.6	376.6	245.5	188.3	166.8	157.3	151.9	149.6	148.4
15°	864.0	752.5	482.6	281.2	187.7	161.5	150.7	143.6	138.8	136.4	134.7
17.5°	861.6	721.0	406.4	213.3	162.1	147.2	138.2	131.1	126.9	123.3	122.7
20°	854.4	684.0	332.5	175.2	147.2	134.7	125.1	118.6	114.4	110.2	110.2
22.5°	843.1	631.6	262.8	152.5	134.7	122.1	112.0	105.5	101.3	98.9	97.7
25°	828.8	579.7	208.5	139.4	122.7	109.0	100.1	93.5	90.0	88.8	87.6
27.5°	812.7	527.9	171.6	128.7	111.4	98.3	88.2	83.4	81.0	79.8	78.7
30°	799.6	480.8	149.0	119.8	100.7	87.6	78.7	74.5	72.7	72.1	70.9
32.5°	800.8	440.9	133.5	109.6	92.4	79.2	70.3	66.1	66.1	65.5	65.5
35°	822.8	415.9	122.7	100.7	83.4	70.9	63.2	59.6	60.8	60.8	60.2
37.5°	846.7	390.9	112.6	91.2	75.7	63.2	55.4	53.6	54.2	54.8	54.8
40°	877.7	372.4	104.3	82.2	67.9	56.6	50.1	48.3	48.3	48.3	47.7
42.5°	948.0	370.6	97.1	74.5	60.8	50.1	45.3	42.9	41.7	41.1	39.9
45°	1046.9	383.7	92.4	67.3	53.6	45.3	41.1	38.1	34.6	32.8	32.2
47.5°	1174.4	417.7	88.2	60.8	47.1	41.1	36.9	32.8	28.0	25.6	25.0
50°	1333.5	470.7	84.0	55.4	42.3	36.9	32.2	26.8	22.0	19.7	19.7
52.5°	1482.4	533.3	79.8	50.6	37.5	34.0	27.4	21.5	17.3	15.5	14.9
55°	1616.5	603.6	75.1	45.3	34.0	29.8	22.6	16.7	12.5	10.7	10.1
57.5°	1778.0	692.4	69.1	39.9	30.4	25.6	17.9	11.9	8.3	6.0	5.4
60°	1954.3	737.0	61.4	35.2	26.2	21.5	13.7	8.3	4.8	2.4	2.4
62.5°	2011.5	715.0	51.8	30.4	22.6	17.3	10.1	5.4	1.8	0.0	0.0
65°	1907.3	612.5	44.1	26.8	19.7	13.1	7.2	3.0	0.0	0.0	0.0
67.5°	1667.1	476.7	36.3	23.2	16.7	10.7	4.8	0.6	0.0	0.0	0.0
70°	1376.4	353.3	30.4	19.1	14.3	8.3	3.0	0.0	0.0	0.0	0.0
72.5°	1062.4	250.8	26.2	16.1	11.9	6.6	1.8	0.0	0.0	0.0	0.0
75°	600.0	134.7	23.8	16.1	10.7	5.4	1.2	0.0	0.0	0.0	0.0
77.5°	247.9	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°	36.3	24.4	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)