

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: P1208907

Luminaire Tested: UPW-SA2-070-827-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-827-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4945 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G2

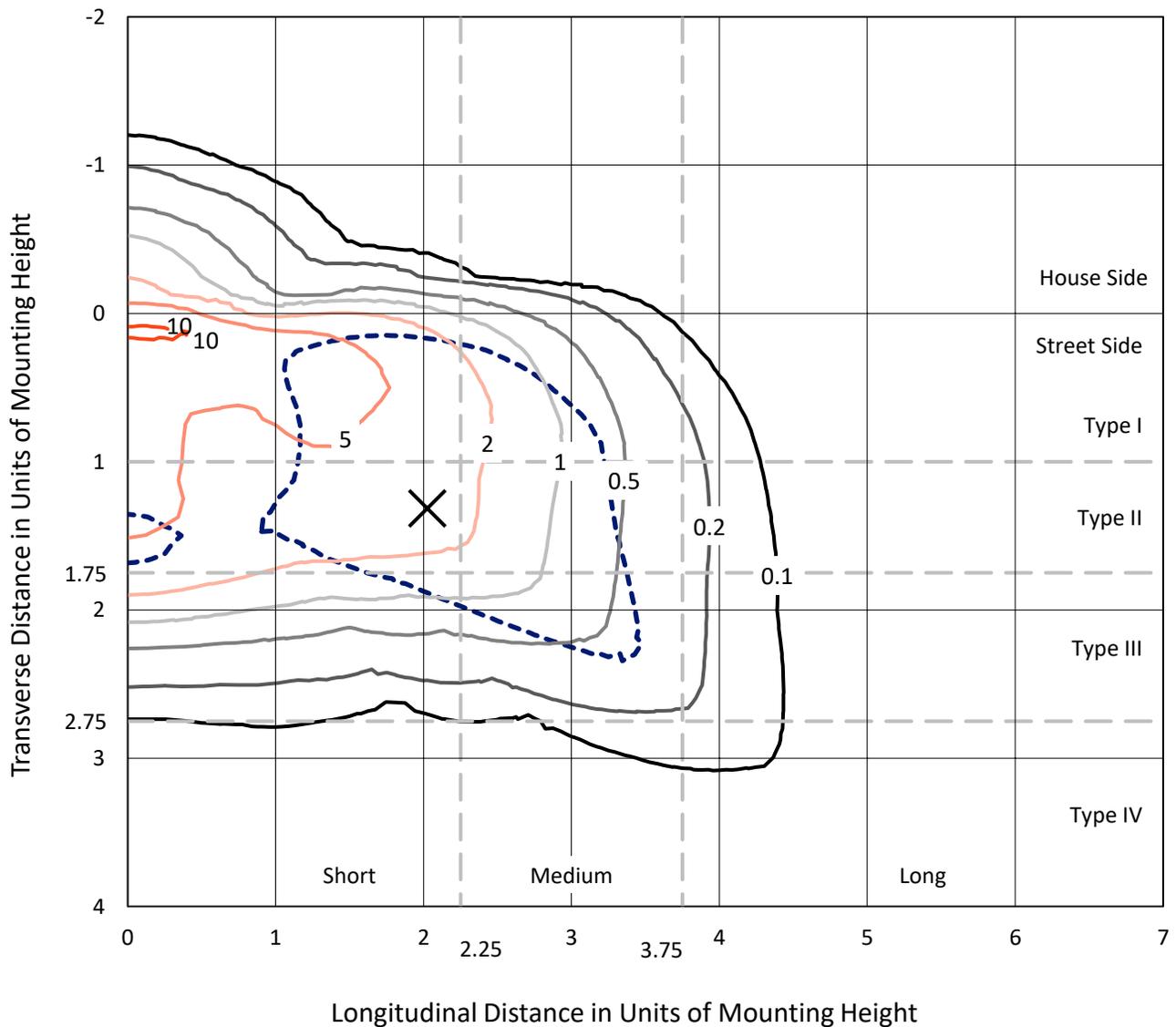
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

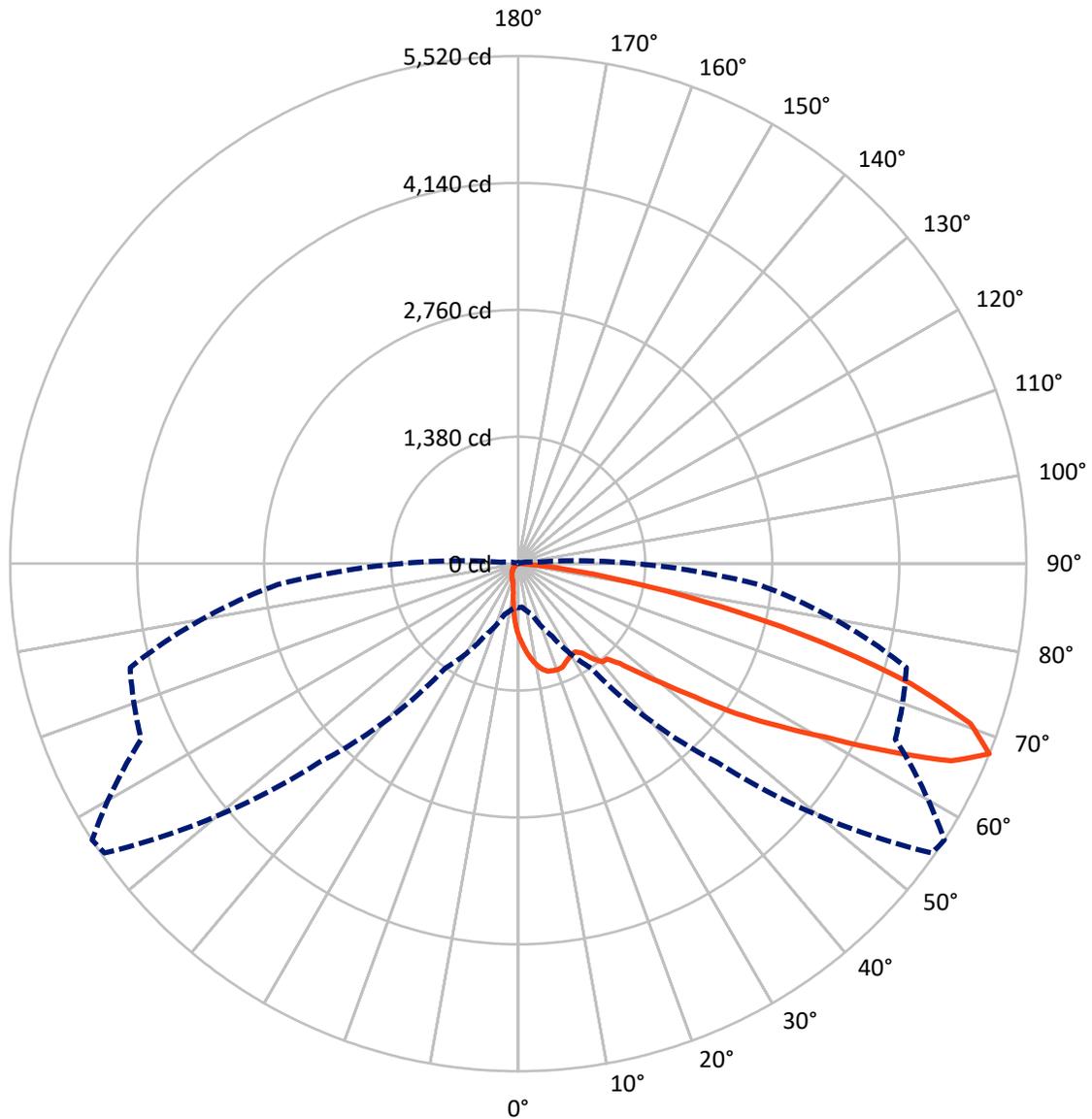
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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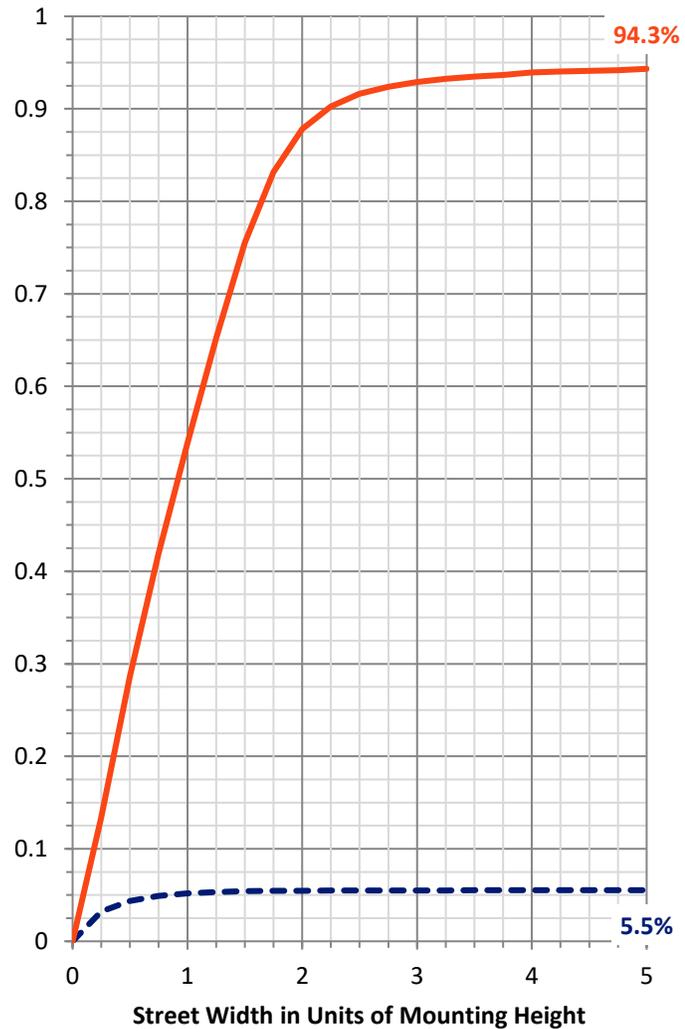
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	275.2	0.0	275.2
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	4669.8	0.0	4669.8
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	4945.0	0.0	4945.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.7	1.4
10°-20°	183.9	3.7
20°-30°	269.2	5.4
30°-40°	404.8	8.2
40°-50°	660.5	13.4
50°-60°	1250.0	25.3
60°-70°	1428.5	28.9
70°-80°	623.5	12.6
80°-90°	53.9	1.1
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°	4945.0	100.0
0°-180°	4945.0	100.0



--- HS    — SS

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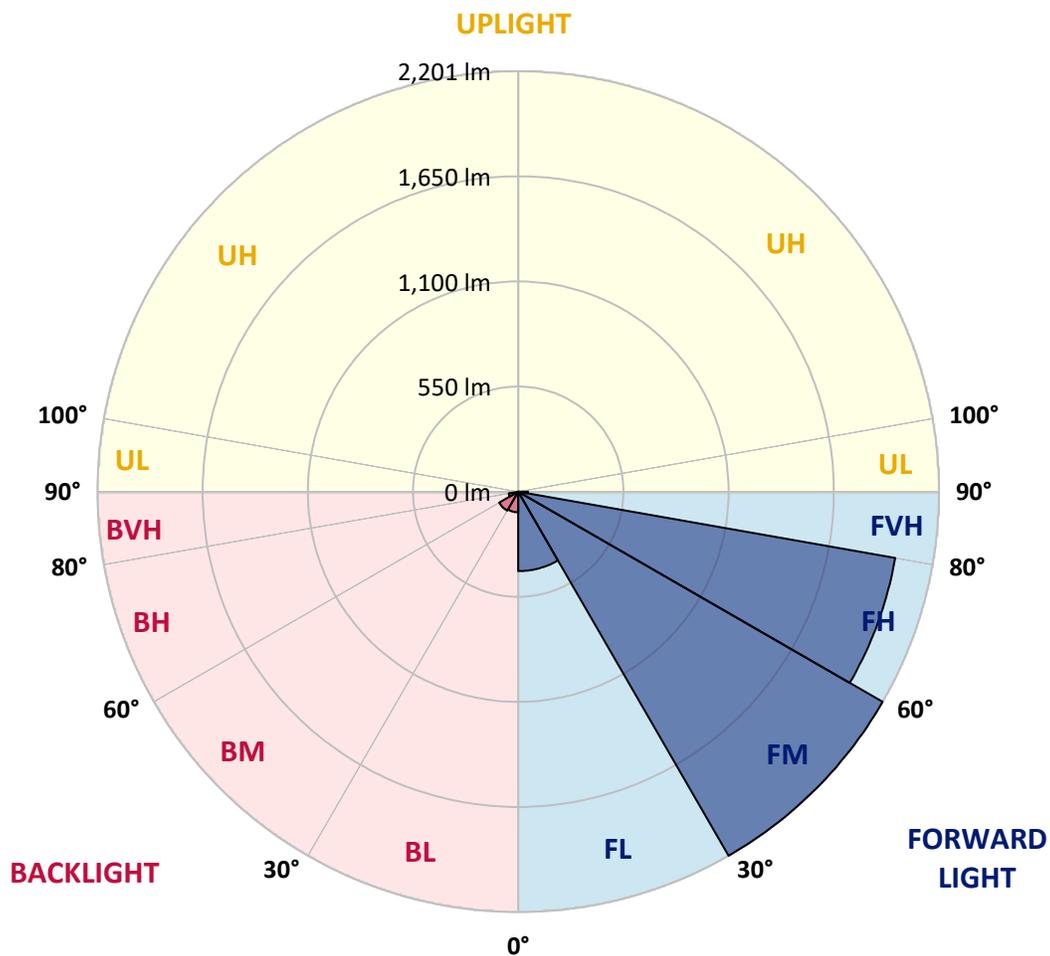
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.8	8.4			
FM (30°-60°)	2200.6	44.5			
FH (60°-80°)	2002.2	40.5			G2/5000
FVH (80°-90°)	51.2	1.0			G1/100
BL (0°-30°)	108.0	2.2	B0/110		
BM (30°-60°)	114.7	2.3	B0/220		
BH (60°-80°)	49.9	1.0	B0/110		G0/110
BVH (80°-90°)	2.7	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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7
2.5°	928.7	936.4	939.5	926.4	914.1	904.9	886.5	875.0	857.3	835.8	805.9
5°	1065.3	1064.6	1056.9	1046.9	1041.5	1012.4	981.7	969.4	941.0	887.3	828.9
7.5°	1116.8	1121.4	1126.7	1120.6	1111.4	1096.0	1060.0	1050.8	1009.3	939.5	857.3
10°	1093.0	1100.6	1109.9	1126.0	1156.7	1162.0	1134.4	1124.4	1074.5	997.8	881.1
12.5°	983.2	994.7	1010.1	1062.3	1133.6	1178.2	1184.3	1181.2	1139.0	1050.0	898.0
15°	837.4	825.1	865.0	937.2	1054.6	1156.7	1211.9	1214.2	1192.7	1099.1	916.4
17.5°	727.6	739.1	756.8	811.3	933.3	1079.9	1208.1	1222.7	1232.7	1151.3	937.9
20°	709.2	710.0	717.6	747.6	811.3	987.8	1195.0	1229.6	1281.8	1202.7	947.1
22.5°	726.9	722.2	726.1	732.2	772.1	894.2	1167.4	1223.4	1310.9	1266.4	966.3
25°	749.9	755.3	748.3	740.7	763.7	852.0	1135.2	1192.7	1354.7	1323.2	974.8
27.5°	814.4	817.4	799.0	771.4	779.8	832.8	1085.3	1168.2	1420.7	1386.9	988.6
30°	919.5	916.4	878.1	832.8	813.6	845.1	1053.8	1141.3	1456.0	1436.1	981.7
32.5°	997.8	991.7	954.0	907.2	873.5	891.9	1053.8	1144.4	1527.4	1522.0	994.7
35°	1068.4	1063.0	1016.2	978.6	949.4	966.3	1112.9	1194.3	1629.5	1681.7	1040.8
37.5°	1145.2	1130.6	1093.7	1028.5	1019.3	1084.5	1240.3	1307.9	1791.4	1829.8	1042.3
40°	1266.4	1254.1	1195.0	1127.5	1077.6	1172.8	1340.1	1404.6	1905.8	1948.8	1036.2
42.5°	1433.0	1403.8	1330.9	1232.7	1152.8	1220.4	1351.6	1418.4	1992.5	2133.7	1095.3
45°	1614.1	1605.7	1504.4	1377.7	1293.3	1284.8	1473.7	1547.3	2185.2	2432.3	1223.4
47.5°	1875.8	1809.8	1676.3	1541.2	1469.1	1412.3	1660.9	1773.0	2420.0	2781.5	1414.6
50°	2151.4	2113.0	1909.6	1723.1	1634.8	1614.1	1957.2	2058.5	2720.9	3174.5	1733.1
52.5°	2621.1	2532.9	2258.1	2023.2	1870.5	1850.5	2279.6	2409.3	3060.1	3643.5	2054.7
55°	2937.3	2882.8	2606.5	2429.2	2228.9	2168.3	2736.2	2878.2	3475.4	4052.6	2376.3
57.5°	3038.7	2971.9	2723.2	2680.2	2634.2	2668.7	3209.8	3328.0	3763.2	4371.9	2661.0
60°	2632.6	2630.3	2488.3	2600.4	2828.4	3227.5	3769.3	3821.5	3996.5	4567.6	2838.3
62.5°	1893.5	1887.4	1915.8	2193.6	2618.8	3605.9	4539.2	4480.8	4199.2	4676.6	2934.3
65°	981.7	986.3	1129.0	1495.2	2106.9	3576.7	5243.8	5170.1	4324.3	4609.8	2866.7
67.5°	478.9	475.1	568.0	869.6	1391.5	3054.0	5485.5	5520.1	4520.8	4365.0	2622.7
70°	238.7	241.8	309.3	459.0	759.9	2193.6	5065.7	5212.3	4339.6	3843.8	2233.5
72.5°	168.1	170.4	210.3	272.5	355.4	1331.7	4204.5	4457.1	3622.0	3057.8	1574.2
75°	120.5	124.3	154.3	203.4	197.3	668.5	3249.7	3399.4	2625.7	1888.1	834.3
77.5°	87.5	92.9	120.5	156.6	136.6	280.9	2250.4	2246.6	1481.3	897.2	337.7
80°	57.6	61.4	89.0	115.9	97.5	130.5	1318.6	1241.9	655.5	343.9	122.8
82.5°	32.2	33.8	59.9	80.6	67.5	61.4	589.5	543.4	221.8	125.9	57.6
85°	2.3	3.8	35.3	50.7	36.1	30.7	165.0	149.7	71.4	57.6	30.7
87.5°	0.0	0.0	4.6	9.2	6.1	4.6	39.9	34.5	21.5	33.8	15.4
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°	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7
2.5°	793.6	772.1	739.9	708.4	677.7	650.1	630.1	610.2	601.7	582.6	615.6
5°	798.2	759.9	683.1	608.7	544.2	475.1	429.8	397.6	381.5	366.9	367.6
7.5°	802.8	744.5	626.3	500.4	407.6	334.6	294.0	279.4	273.2	265.6	265.6
10°	797.5	719.9	544.9	393.7	299.3	260.2	237.9	232.6	235.6	234.9	237.2
12.5°	797.5	690.8	462.1	307.0	245.6	222.6	216.4	215.7	220.3	223.4	224.9
15°	787.5	646.3	379.2	251.8	214.9	206.5	204.2	204.2	207.2	210.3	209.5
17.5°	779.0	601.7	310.1	216.4	196.5	194.2	192.7	191.1	195.0	198.0	198.8
20°	758.3	539.6	255.6	195.0	184.2	181.1	180.4	178.8	182.7	185.7	188.0
22.5°	728.4	469.0	218.7	178.8	173.5	169.6	167.3	168.1	171.9	175.0	173.5
25°	688.5	406.8	191.9	167.3	159.6	157.3	154.3	155.8	156.6	159.6	161.9
27.5°	644.7	346.2	174.2	158.1	150.4	145.8	142.0	141.2	142.0	145.8	144.3
30°	580.3	293.2	161.9	147.4	138.9	132.8	128.2	125.9	125.1	125.9	126.6
32.5°	531.1	257.9	153.5	138.9	128.2	120.5	115.1	110.5	109.0	107.5	107.5
35°	499.7	238.7	145.1	127.4	117.4	109.8	101.3	95.9	92.9	91.3	92.1
37.5°	432.1	205.7	135.1	119.0	107.5	98.2	89.8	81.4	79.1	80.6	80.6
40°	375.3	176.5	125.9	109.0	95.9	87.5	78.3	68.3	66.8	71.4	72.1
42.5°	353.8	163.5	117.4	99.8	86.0	79.1	66.8	59.1	59.1	62.9	63.7
45°	379.9	159.6	109.8	91.3	77.5	69.8	57.6	50.7	50.7	54.5	55.3
47.5°	462.8	165.8	102.1	82.9	71.4	61.4	47.6	44.5	44.5	46.1	46.8
50°	638.6	185.7	94.4	74.5	65.2	52.2	41.4	38.4	37.6	38.4	38.4
52.5°	861.9	225.7	86.0	66.8	57.6	43.7	36.1	33.0	30.7	30.7	29.9
55°	1087.6	268.6	77.5	59.1	49.9	37.6	30.7	27.6	23.8	22.3	21.5
57.5°	1286.4	303.2	67.5	52.2	43.0	32.2	26.9	20.7	15.4	12.3	12.3
60°	1410.0	312.4	58.3	45.3	35.3	27.6	21.5	13.8	7.7	6.1	5.4
62.5°	1433.0	283.2	49.9	38.4	29.9	23.0	15.4	7.7	3.1	0.8	0.8
65°	1370.8	223.4	43.0	32.2	24.6	18.4	10.0	3.8	0.0	0.0	0.0
67.5°	1266.4	175.8	36.1	26.9	20.7	14.6	6.1	0.8	0.0	0.0	0.0
70°	1104.5	140.5	31.5	23.0	17.7	12.3	3.8	0.0	0.0	0.0	0.0
72.5°	813.6	92.9	27.6	20.7	15.4	9.2	2.3	0.0	0.0	0.0	0.0
75°	445.2	59.1	25.3	19.2	14.6	7.7	1.5	0.0	0.0	0.0	0.0
77.5°	180.4	41.4	22.3	18.4	14.6	7.7	1.5	0.0	0.0	0.0	0.0
80°	68.3	29.2	19.2	16.1	13.8	7.7	1.5	0.0	0.0	0.0	0.0
82.5°	36.1	23.8	18.4	16.1	13.0	6.9	0.8	0.0	0.0	0.0	0.0
85°	17.7	7.7	9.2	9.2	10.7	6.1	0.8	0.0	0.0	0.0	0.0
87.5°	3.8	0.0	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)