

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: P1208664

Luminaire Tested: UPW-SA1-070-827-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208664
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-SA1-070-827-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS 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: 4213 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

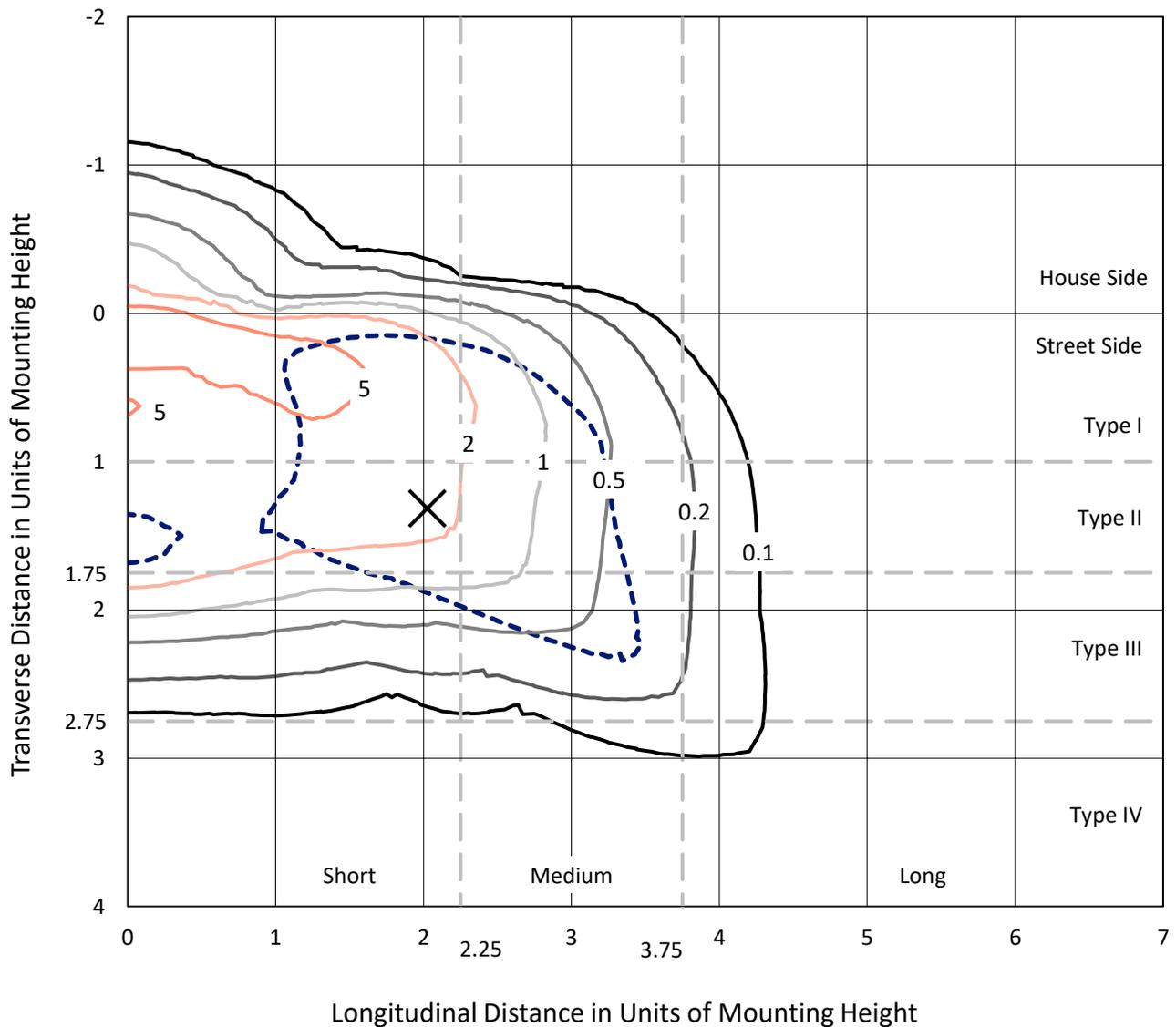
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208664
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Iso-Footcandle Lines of Horizontal Illumination

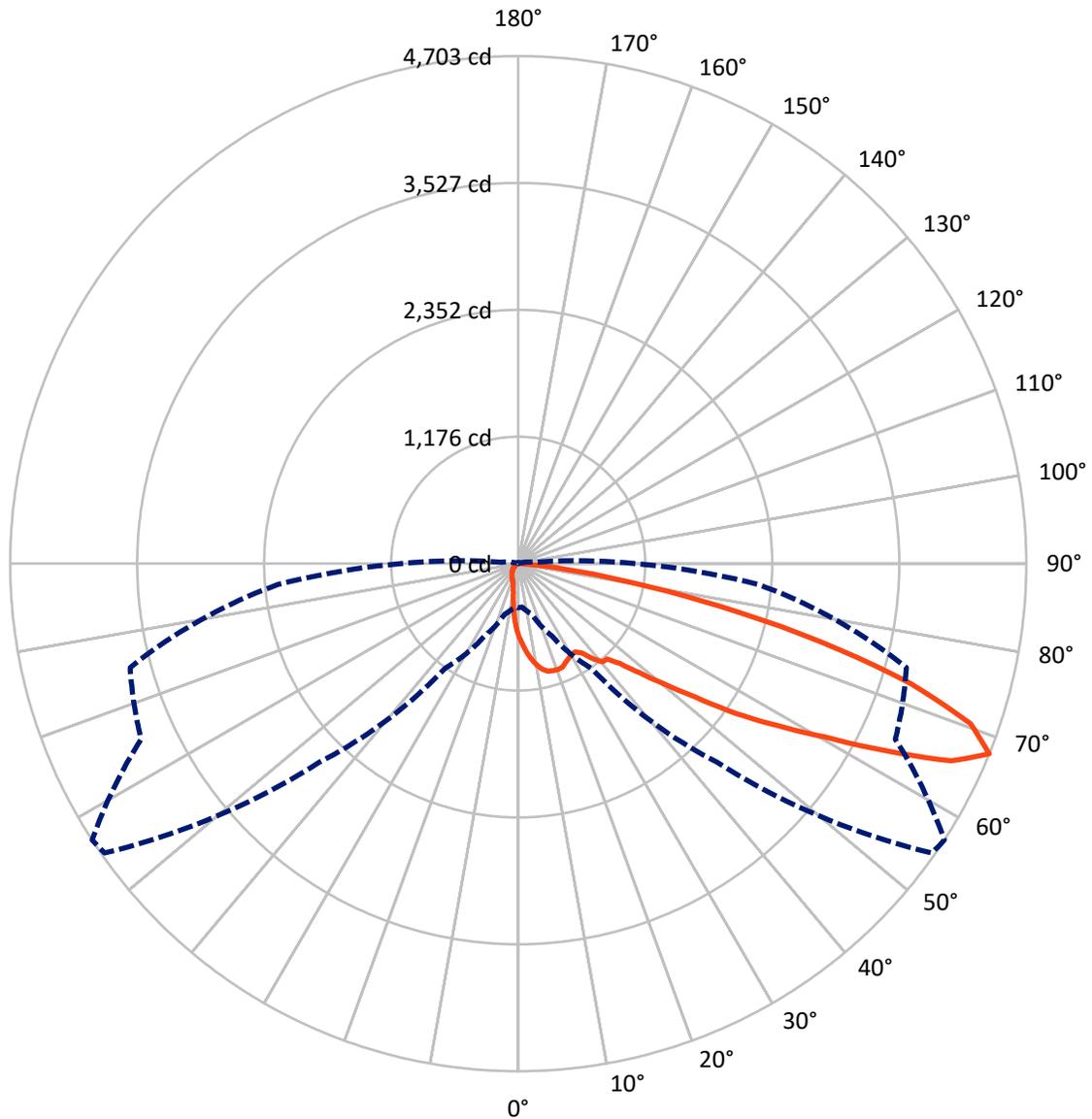
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1208664
CATALOG NUMBER: UPW-SA1-070-827-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208664

CATALOG NUMBER: UPW-SA1-070-827-U-SL3-HSS

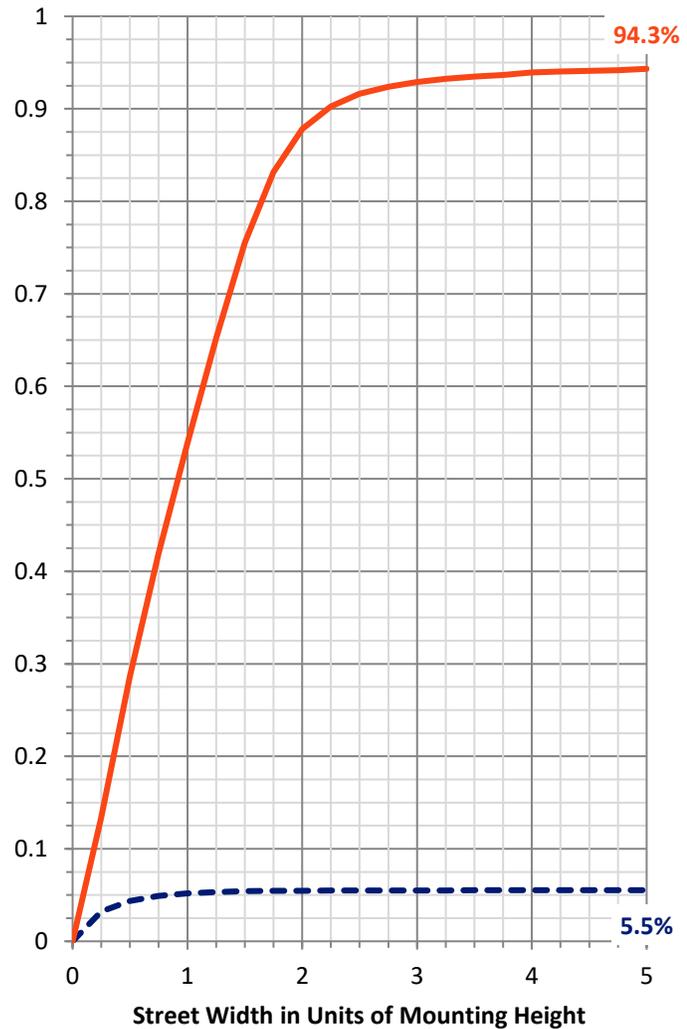
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	234.5	0.0	234.5
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	3978.5	0.0	3978.5
	% Fixture	94.4	0.0	94.4
Total	Lumens	4213.0	0.0	4213.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.4
10°-20°	156.7	3.7
20°-30°	229.4	5.4
30°-40°	344.9	8.2
40°-50°	562.7	13.4
50°-60°	1065.0	25.3
60°-70°	1217.1	28.9
70°-80°	531.2	12.6
80°-90°	45.9	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°	4213.0	100.0
0°-180°	4213.0	100.0



--- HS — SS

REPORT NUMBER: P1208664

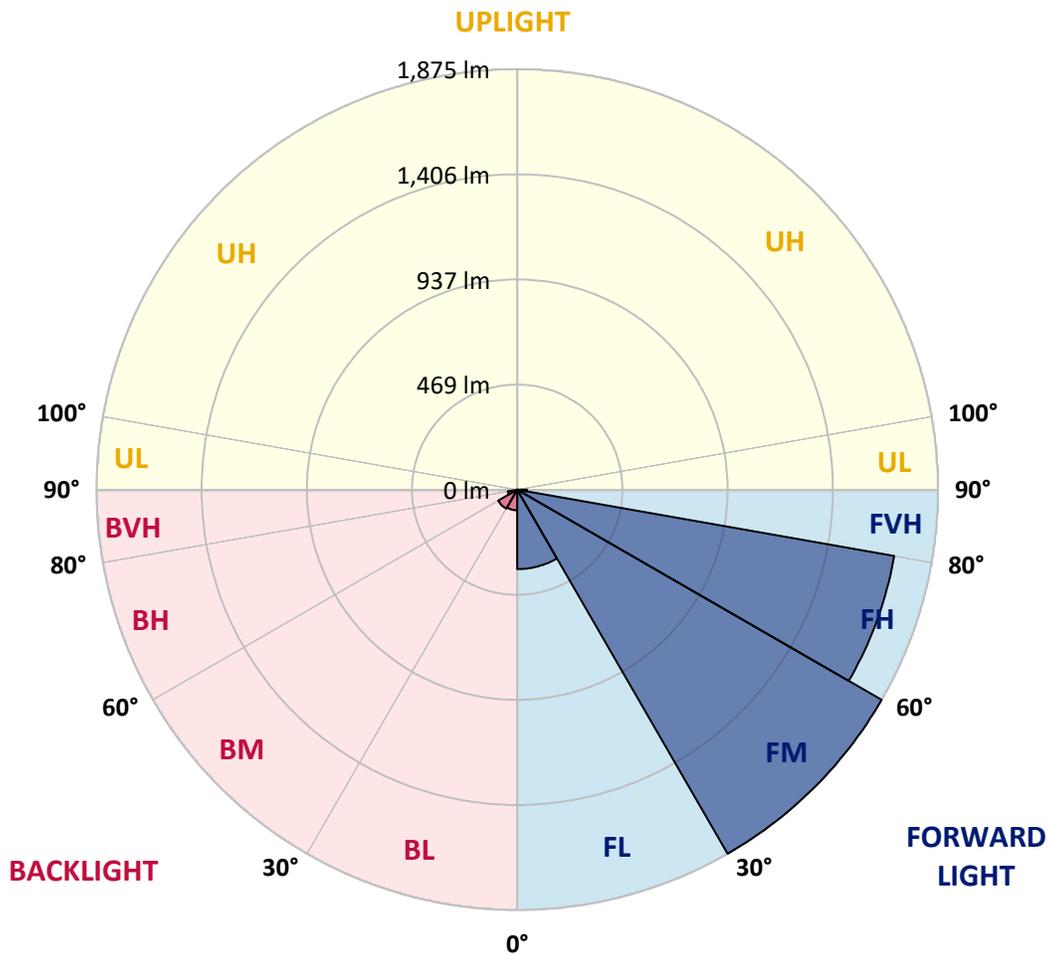
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.3	8.4			
FM (30°-60°)	1874.9	44.5			
FH (60°-80°)	1705.8	40.5			G1/1800
FVH (80°-90°)	43.6	1.0			G1/100
BL (0°-30°)	92.0	2.2	B0/110		
BM (30°-60°)	97.7	2.3	B0/220		
BH (60°-80°)	42.5	1.0	B0/110		G0/110
BVH (80°-90°)	2.3	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 III Short





REPORT NUMBER: P1208664

CATALOG NUMBER: UPW-SA1-070-827-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3
2.5°	791.2	797.8	800.4	789.3	778.8	771.0	755.3	745.5	730.4	712.1	686.6
5°	907.6	907.0	900.4	891.9	887.4	862.5	836.4	825.9	801.7	755.9	706.2
7.5°	951.4	955.4	959.9	954.7	946.9	933.8	903.1	895.2	859.9	800.4	730.4
10°	931.2	937.7	945.6	959.3	985.4	990.0	966.5	958.0	915.5	850.1	750.7
12.5°	837.7	847.5	860.6	905.0	965.8	1003.8	1009.0	1006.4	970.4	894.6	765.1
15°	713.4	703.0	737.0	798.4	898.5	985.4	1032.5	1034.5	1016.2	936.4	780.8
17.5°	619.9	629.7	644.8	691.2	795.2	920.1	1029.3	1041.7	1050.2	980.9	799.1
20°	604.2	604.9	611.4	636.9	691.2	841.6	1018.1	1047.6	1092.0	1024.7	806.9
22.5°	619.3	615.3	618.6	623.8	657.8	761.8	994.6	1042.3	1116.9	1079.0	823.3
25°	638.9	643.5	637.6	631.0	650.6	725.8	967.1	1016.2	1154.2	1127.3	830.5
27.5°	693.8	696.4	680.7	657.2	664.4	709.5	924.6	995.3	1210.4	1181.6	842.2
30°	783.4	780.8	748.1	709.5	693.1	720.0	897.8	972.4	1240.5	1223.5	836.4
32.5°	850.1	844.9	812.8	772.9	744.2	759.8	897.8	975.0	1301.3	1296.7	847.5
35°	910.2	905.7	865.8	833.7	808.9	823.3	948.2	1017.5	1388.3	1432.7	886.7
37.5°	975.6	963.2	931.8	876.2	868.4	924.0	1056.7	1114.3	1526.2	1558.9	888.0
40°	1079.0	1068.5	1018.1	960.6	918.1	999.2	1141.7	1196.7	1623.7	1660.3	882.8
42.5°	1220.9	1196.0	1133.9	1050.2	982.2	1039.7	1151.5	1208.4	1697.6	1817.9	933.1
45°	1375.2	1368.0	1281.7	1173.8	1101.8	1094.7	1255.5	1318.3	1861.7	2072.3	1042.3
47.5°	1598.2	1541.9	1428.2	1313.1	1251.6	1203.2	1415.1	1510.5	2061.8	2369.8	1205.2
50°	1832.9	1800.2	1626.9	1468.0	1392.8	1375.2	1667.5	1753.8	2318.1	2704.6	1476.5
52.5°	2233.1	2157.9	1923.8	1723.7	1593.6	1576.6	1942.1	2052.6	2607.2	3104.1	1750.5
55°	2502.5	2456.1	2220.7	2069.6	1899.0	1847.3	2331.2	2452.2	2960.9	3452.7	2024.5
57.5°	2588.8	2532.0	2320.1	2283.5	2244.2	2273.7	2734.7	2835.4	3206.1	3724.7	2267.1
60°	2242.9	2241.0	2120.0	2215.5	2409.7	2749.7	3211.4	3255.8	3404.9	3891.4	2418.2
62.5°	1613.2	1608.0	1632.2	1868.9	2231.2	3072.1	3867.3	3817.6	3577.6	3984.3	2499.9
65°	836.4	840.3	961.9	1273.8	1795.0	3047.2	4467.5	4404.8	3684.2	3927.4	2442.4
67.5°	408.0	404.8	483.9	740.9	1185.5	2601.9	4673.5	4703.0	3851.6	3718.8	2234.4
70°	203.4	206.0	263.5	391.0	647.4	1868.9	4315.8	4440.7	3697.2	3274.8	1902.9
72.5°	143.2	145.2	179.2	232.1	302.8	1134.5	3582.1	3797.3	3085.8	2605.2	1341.2
75°	102.7	105.9	131.4	173.3	168.1	569.6	2768.7	2896.2	2237.0	1608.6	710.8
77.5°	74.5	79.1	102.7	133.4	116.4	239.3	1917.3	1914.0	1262.1	764.4	287.7
80°	49.0	52.3	75.9	98.7	83.0	111.2	1123.4	1058.0	558.4	293.0	104.6
82.5°	27.5	28.8	51.0	68.7	57.5	52.3	502.2	463.0	189.0	107.2	49.0
85°	2.0	3.3	30.1	43.2	30.7	26.2	140.6	127.5	60.8	49.0	26.2
87.5°	0.0	0.0	3.9	7.8	5.2	3.9	34.0	29.4	18.3	28.8	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208664

CATALOG NUMBER: UPW-SA1-070-827-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3
2.5°	676.1	657.8	630.4	603.6	577.4	553.9	536.9	519.9	512.7	496.3	524.4
5°	680.1	647.4	582.0	518.6	463.6	404.8	366.2	338.7	325.0	312.6	313.2
7.5°	684.0	634.3	533.6	426.4	347.2	285.1	250.4	238.0	232.8	226.3	226.3
10°	679.4	613.4	464.3	335.5	255.0	221.7	202.7	198.1	200.8	200.1	202.1
12.5°	679.4	588.5	393.7	261.6	209.3	189.6	184.4	183.8	187.7	190.3	191.6
15°	670.9	550.6	323.0	214.5	183.1	175.9	173.9	173.9	176.6	179.2	178.5
17.5°	663.7	512.7	264.2	184.4	167.4	165.4	164.1	162.8	166.1	168.7	169.4
20°	646.1	459.7	217.8	166.1	156.9	154.3	153.7	152.4	155.6	158.2	160.2
22.5°	620.6	399.5	186.4	152.4	147.8	144.5	142.6	143.2	146.5	149.1	147.8
25°	586.6	346.6	163.5	142.6	136.0	134.1	131.4	132.7	133.4	136.0	138.0
27.5°	549.3	294.9	148.4	134.7	128.2	124.2	121.0	120.3	121.0	124.2	122.9
30°	494.4	249.8	138.0	125.6	118.4	113.1	109.2	107.2	106.6	107.2	107.9
32.5°	452.5	219.7	130.8	118.4	109.2	102.7	98.1	94.2	92.9	91.5	91.5
35°	425.7	203.4	123.6	108.5	100.0	93.5	86.3	81.7	79.1	77.8	78.5
37.5°	368.2	175.2	115.1	101.4	91.5	83.7	76.5	69.3	67.4	68.7	68.7
40°	319.8	150.4	107.2	92.9	81.7	74.5	66.7	58.2	56.9	60.8	61.5
42.5°	301.5	139.3	100.0	85.0	73.2	67.4	56.9	50.4	50.4	53.6	54.3
45°	323.7	136.0	93.5	77.8	66.0	59.5	49.0	43.2	43.2	46.4	47.1
47.5°	394.3	141.2	87.0	70.6	60.8	52.3	40.5	37.9	37.9	39.2	39.9
50°	544.1	158.2	80.4	63.4	55.6	44.5	35.3	32.7	32.0	32.7	32.7
52.5°	734.3	192.3	73.2	56.9	49.0	37.3	30.7	28.1	26.2	26.2	25.5
55°	926.6	228.9	66.0	50.4	42.5	32.0	26.2	23.5	20.3	19.0	18.3
57.5°	1096.0	258.3	57.5	44.5	36.6	27.5	22.9	17.7	13.1	10.5	10.5
60°	1201.2	266.1	49.7	38.6	30.1	23.5	18.3	11.8	6.5	5.2	4.6
62.5°	1220.9	241.3	42.5	32.7	25.5	19.6	13.1	6.5	2.6	0.7	0.7
65°	1167.9	190.3	36.6	27.5	20.9	15.7	8.5	3.3	0.0	0.0	0.0
67.5°	1079.0	149.7	30.7	22.9	17.7	12.4	5.2	0.7	0.0	0.0	0.0
70°	941.0	119.7	26.8	19.6	15.0	10.5	3.3	0.0	0.0	0.0	0.0
72.5°	693.1	79.1	23.5	17.7	13.1	7.8	2.0	0.0	0.0	0.0	0.0
75°	379.3	50.4	21.6	16.3	12.4	6.5	1.3	0.0	0.0	0.0	0.0
77.5°	153.7	35.3	19.0	15.7	12.4	6.5	1.3	0.0	0.0	0.0	0.0
80°	58.2	24.8	16.3	13.7	11.8	6.5	1.3	0.0	0.0	0.0	0.0
82.5°	30.7	20.3	15.7	13.7	11.1	5.9	0.7	0.0	0.0	0.0	0.0
85°	15.0	6.5	7.8	7.8	9.2	5.2	0.7	0.0	0.0	0.0	0.0
87.5°	3.3	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)