

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: P1208421

Luminaire Tested: UPW-SA1-060-827-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208421
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-SA1-060-827-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 3841 lumens
Efficiency: N/A
Efficacy: 66.2 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

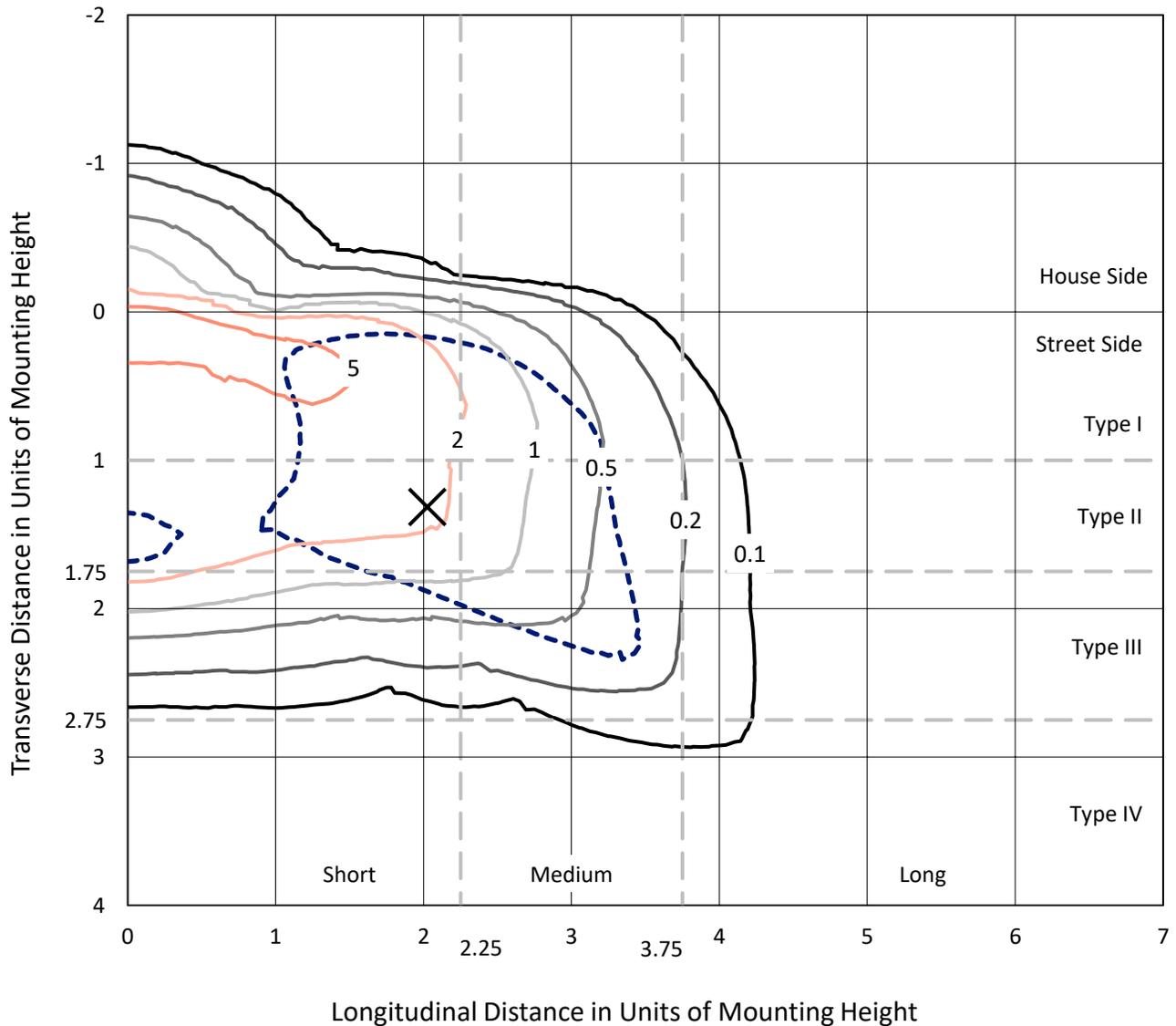
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

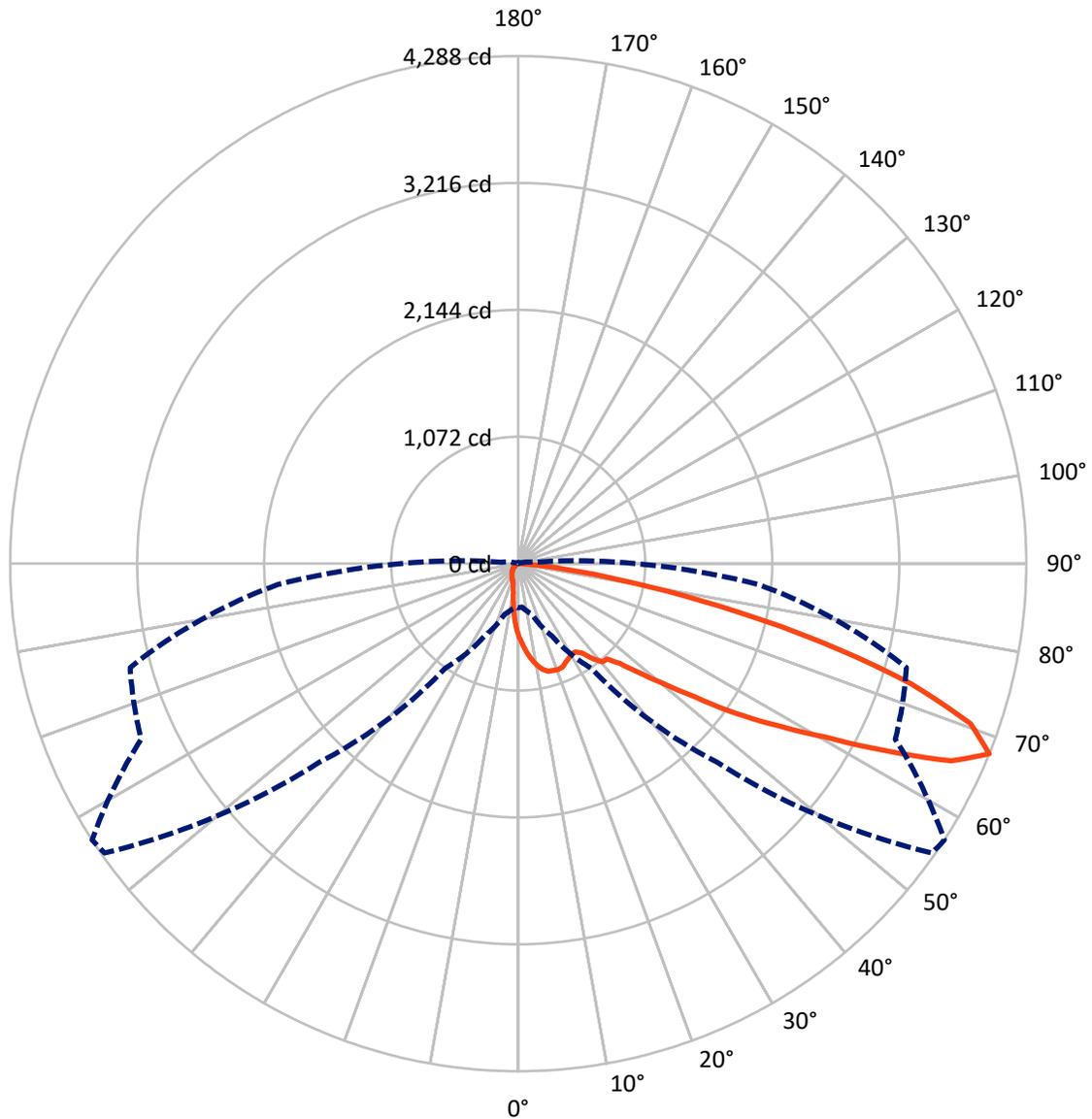
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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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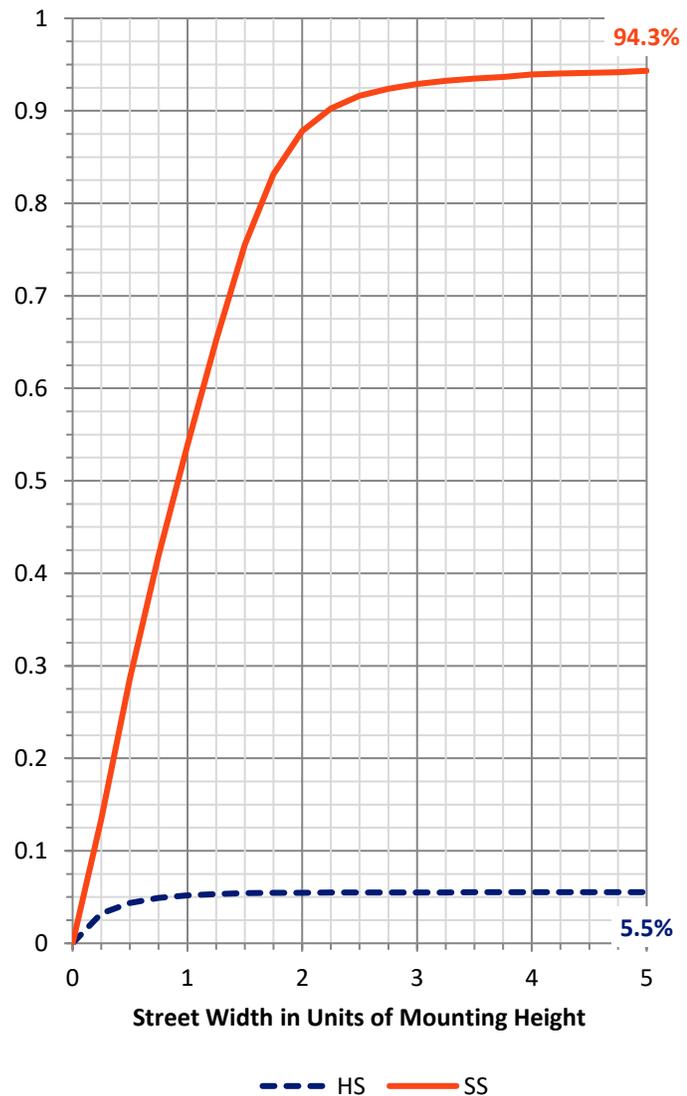
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	213.8	0.0	213.8
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	3627.2	0.0	3627.2
	% Fixture	94.4	0.0	94.4
Total	Lumens	3841.0	0.0	3841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.4
10°-20°	142.9	3.7
20°-30°	209.1	5.4
30°-40°	314.4	8.2
40°-50°	513.0	13.4
50°-60°	971.0	25.3
60°-70°	1109.6	28.9
70°-80°	484.3	12.6
80°-90°	41.8	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°	3841.0	100.0
0°-180°	3841.0	100.0

Coefficient of Utilization



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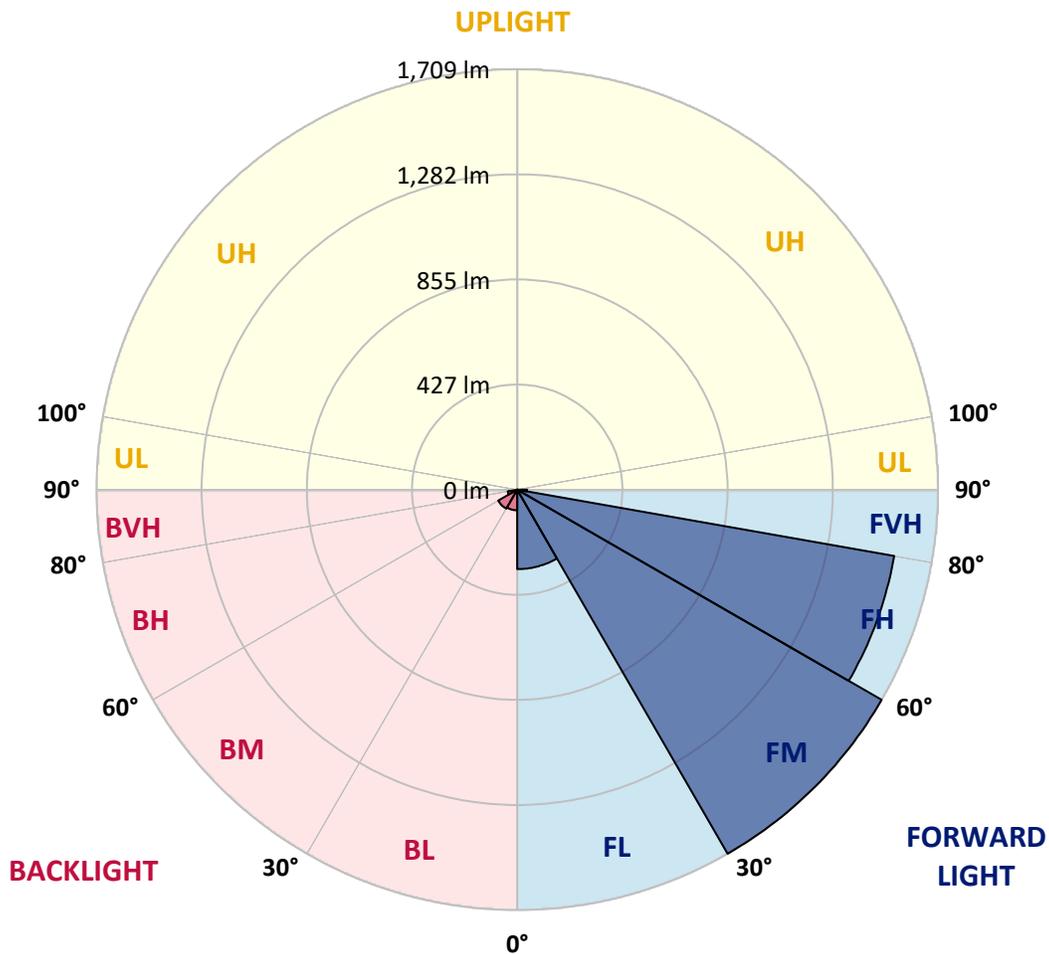
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.0	8.4			
FM (30°-60°)	1709.3	44.5			
FH (60°-80°)	1555.2	40.5			G1/1800
FVH (80°-90°)	39.7	1.0			G1/100
BL (0°-30°)	83.9	2.2	B0/110		
BM (30°-60°)	89.1	2.3	B0/220		
BH (60°-80°)	38.7	1.0	B0/110		G0/110
BVH (80°-90°)	2.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
2.5°	721.4	727.3	729.7	719.6	710.0	702.9	688.6	679.6	665.9	649.2	626.0
5°	827.5	826.9	820.9	813.2	809.0	786.4	762.5	753.0	730.9	689.2	643.9
7.5°	867.4	871.0	875.2	870.4	863.3	851.3	823.3	816.2	784.0	729.7	665.9
10°	849.0	854.9	862.1	874.6	898.4	902.6	881.1	873.4	834.6	775.0	684.4
12.5°	763.7	772.6	784.6	825.1	880.6	915.1	919.9	917.5	884.7	815.6	697.5
15°	650.4	640.9	671.9	727.9	819.1	898.4	941.4	943.1	926.5	853.7	711.8
17.5°	565.2	574.1	587.8	630.2	724.9	838.8	938.4	949.7	957.5	894.3	728.5
20°	550.9	551.5	557.4	580.7	630.2	767.3	928.2	955.1	995.6	934.2	735.7
22.5°	564.6	561.0	564.0	568.8	599.8	694.5	906.8	950.3	1018.3	983.7	750.6
25°	582.5	586.6	581.3	575.3	593.2	661.8	881.7	926.5	1052.2	1027.8	757.1
27.5°	632.5	634.9	620.6	599.2	605.7	646.9	843.0	907.4	1103.5	1077.3	767.9
30°	714.2	711.8	682.0	646.9	631.9	656.4	818.5	886.5	1130.9	1115.4	762.5
32.5°	775.0	770.3	741.0	704.7	678.4	692.8	818.5	888.9	1186.4	1182.2	772.6
35°	829.9	825.7	789.3	760.1	737.5	750.6	864.5	927.6	1265.7	1306.2	808.4
37.5°	889.5	878.2	849.6	798.9	791.7	842.4	963.4	1015.9	1391.5	1421.3	809.6
40°	983.7	974.2	928.2	875.8	837.0	911.0	1040.9	1091.0	1480.3	1513.7	804.8
42.5°	1113.1	1090.4	1033.8	957.5	895.5	947.9	1049.9	1101.7	1547.7	1657.4	850.7
45°	1253.8	1247.2	1168.5	1070.1	1004.6	998.0	1144.7	1201.9	1697.3	1889.3	950.3
47.5°	1457.1	1405.8	1302.0	1197.1	1141.1	1097.0	1290.1	1377.2	1879.7	2160.5	1098.8
50°	1671.1	1641.3	1483.3	1338.4	1269.9	1253.8	1520.2	1598.9	2113.4	2465.8	1346.2
52.5°	2035.9	1967.4	1753.9	1571.5	1452.9	1437.4	1770.6	1871.4	2377.0	2830.0	1596.0
55°	2281.6	2239.2	2024.6	1886.9	1731.3	1684.2	2125.4	2235.7	2699.5	3147.8	1845.8
57.5°	2360.3	2308.4	2115.2	2081.8	2046.1	2072.9	2493.2	2585.0	2923.0	3395.8	2066.9
60°	2044.9	2043.1	1932.8	2019.8	2196.9	2506.9	2927.8	2968.4	3104.3	3547.8	2204.7
62.5°	1470.8	1466.0	1488.1	1703.9	2034.2	2800.8	3525.8	3480.5	3261.7	3632.5	2279.2
65°	762.5	766.1	877.0	1161.3	1636.5	2778.2	4073.1	4015.8	3358.9	3580.6	2226.7
67.5°	372.0	369.0	441.2	675.5	1080.9	2372.2	4260.9	4287.7	3511.5	3390.4	2037.1
70°	185.4	187.8	240.3	356.5	590.2	1703.9	3934.8	4048.6	3370.8	2985.6	1734.9
72.5°	130.6	132.4	163.4	211.6	276.0	1034.4	3265.8	3462.0	2813.4	2375.2	1222.8
75°	93.6	96.6	119.8	158.0	153.2	519.3	2524.2	2640.5	2039.5	1466.6	648.0
77.5°	68.0	72.1	93.6	121.6	106.1	218.2	1748.0	1745.0	1150.6	696.9	262.3
80°	44.7	47.7	69.2	90.0	75.7	101.3	1024.2	964.6	509.1	267.1	95.4
82.5°	25.0	26.2	46.5	62.6	52.5	47.7	457.9	422.1	172.3	97.8	44.7
85°	1.8	3.0	27.4	39.3	28.0	23.8	128.2	116.3	55.4	44.7	23.8
87.5°	0.0	0.0	3.6	7.2	4.8	3.6	31.0	26.8	16.7	26.2	11.9
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°	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1	611.1
2.5°	616.4	599.8	574.7	550.3	526.4	505.0	489.5	474.0	467.4	452.5	478.1
5°	620.0	590.2	530.6	472.8	422.7	369.0	333.9	308.8	296.3	285.0	285.6
7.5°	623.6	578.3	486.5	388.7	316.6	259.9	228.3	217.0	212.2	206.3	206.3
10°	619.4	559.2	423.3	305.8	232.5	202.1	184.8	180.6	183.0	182.4	184.2
12.5°	619.4	536.6	358.9	238.5	190.8	172.9	168.1	167.5	171.1	173.5	174.7
15°	611.7	502.0	294.5	195.5	166.9	160.4	158.6	158.6	161.0	163.4	162.8
17.5°	605.1	467.4	240.9	168.1	152.6	150.8	149.6	148.4	151.4	153.8	154.4
20°	589.0	419.1	198.5	151.4	143.1	140.7	140.1	138.9	141.9	144.3	146.1
22.5°	565.8	364.3	169.9	138.9	134.7	131.8	130.0	130.6	133.5	135.9	134.7
25°	534.8	316.0	149.0	130.0	124.0	122.2	119.8	121.0	121.6	124.0	125.8
27.5°	500.8	268.9	135.3	122.8	116.9	113.3	110.3	109.7	110.3	113.3	112.1
30°	450.7	227.7	125.8	114.5	107.9	103.1	99.6	97.8	97.2	97.8	98.4
32.5°	412.6	200.3	119.2	107.9	99.6	93.6	89.4	85.8	84.7	83.5	83.5
35°	388.1	185.4	112.7	99.0	91.2	85.3	78.7	74.5	72.1	70.9	71.5
37.5°	335.6	159.8	104.9	92.4	83.5	76.3	69.8	63.2	61.4	62.6	62.6
40°	291.5	137.1	97.8	84.7	74.5	68.0	60.8	53.1	51.9	55.4	56.0
42.5°	274.8	127.0	91.2	77.5	66.8	61.4	51.9	45.9	45.9	48.9	49.5
45°	295.1	124.0	85.3	70.9	60.2	54.3	44.7	39.3	39.3	42.3	42.9
47.5°	359.5	128.8	79.3	64.4	55.4	47.7	37.0	34.6	34.6	35.8	36.4
50°	496.0	144.3	73.3	57.8	50.7	40.5	32.2	29.8	29.2	29.8	29.8
52.5°	669.5	175.3	66.8	51.9	44.7	34.0	28.0	25.6	23.8	23.8	23.3
55°	844.8	208.7	60.2	45.9	38.8	29.2	23.8	21.5	18.5	17.3	16.7
57.5°	999.2	235.5	52.5	40.5	33.4	25.0	20.9	16.1	11.9	9.5	9.5
60°	1095.2	242.6	45.3	35.2	27.4	21.5	16.7	10.7	6.0	4.8	4.2
62.5°	1113.1	220.0	38.8	29.8	23.3	17.9	11.9	6.0	2.4	0.6	0.6
65°	1064.8	173.5	33.4	25.0	19.1	14.3	7.8	3.0	0.0	0.0	0.0
67.5°	983.7	136.5	28.0	20.9	16.1	11.3	4.8	0.6	0.0	0.0	0.0
70°	857.9	109.1	24.4	17.9	13.7	9.5	3.0	0.0	0.0	0.0	0.0
72.5°	631.9	72.1	21.5	16.1	11.9	7.2	1.8	0.0	0.0	0.0	0.0
75°	345.8	45.9	19.7	14.9	11.3	6.0	1.2	0.0	0.0	0.0	0.0
77.5°	140.1	32.2	17.3	14.3	11.3	6.0	1.2	0.0	0.0	0.0	0.0
80°	53.1	22.7	14.9	12.5	10.7	6.0	1.2	0.0	0.0	0.0	0.0
82.5°	28.0	18.5	14.3	12.5	10.1	5.4	0.6	0.0	0.0	0.0	0.0
85°	13.7	6.0	7.2	7.2	8.3	4.8	0.6	0.0	0.0	0.0	0.0
87.5°	3.0	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)