

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: P1207773

Luminaire Tested: UPW-SA1-030-727-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 615mA 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: 2879 lumens
Efficiency: N/A
Efficacy: 84.7 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

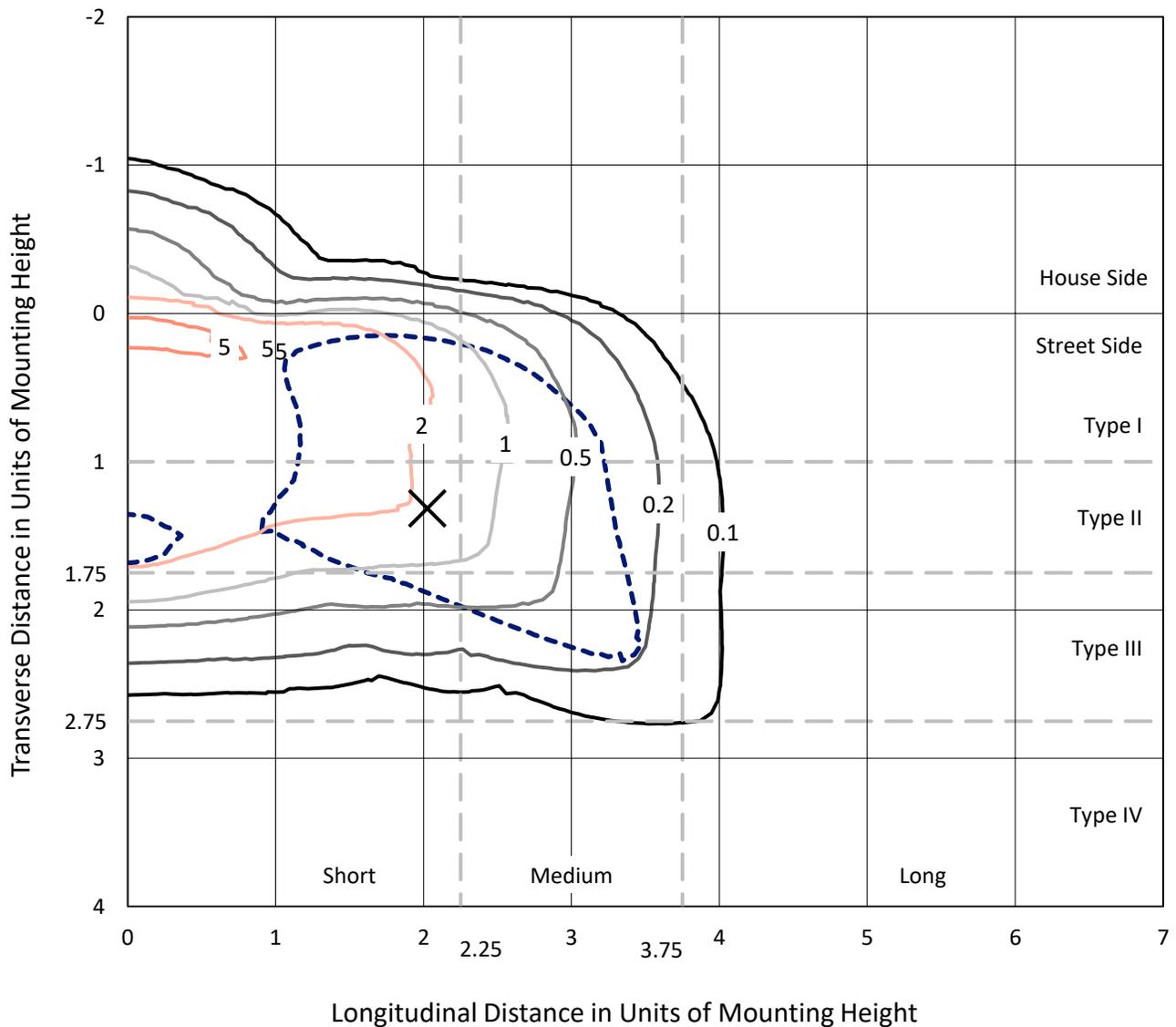
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

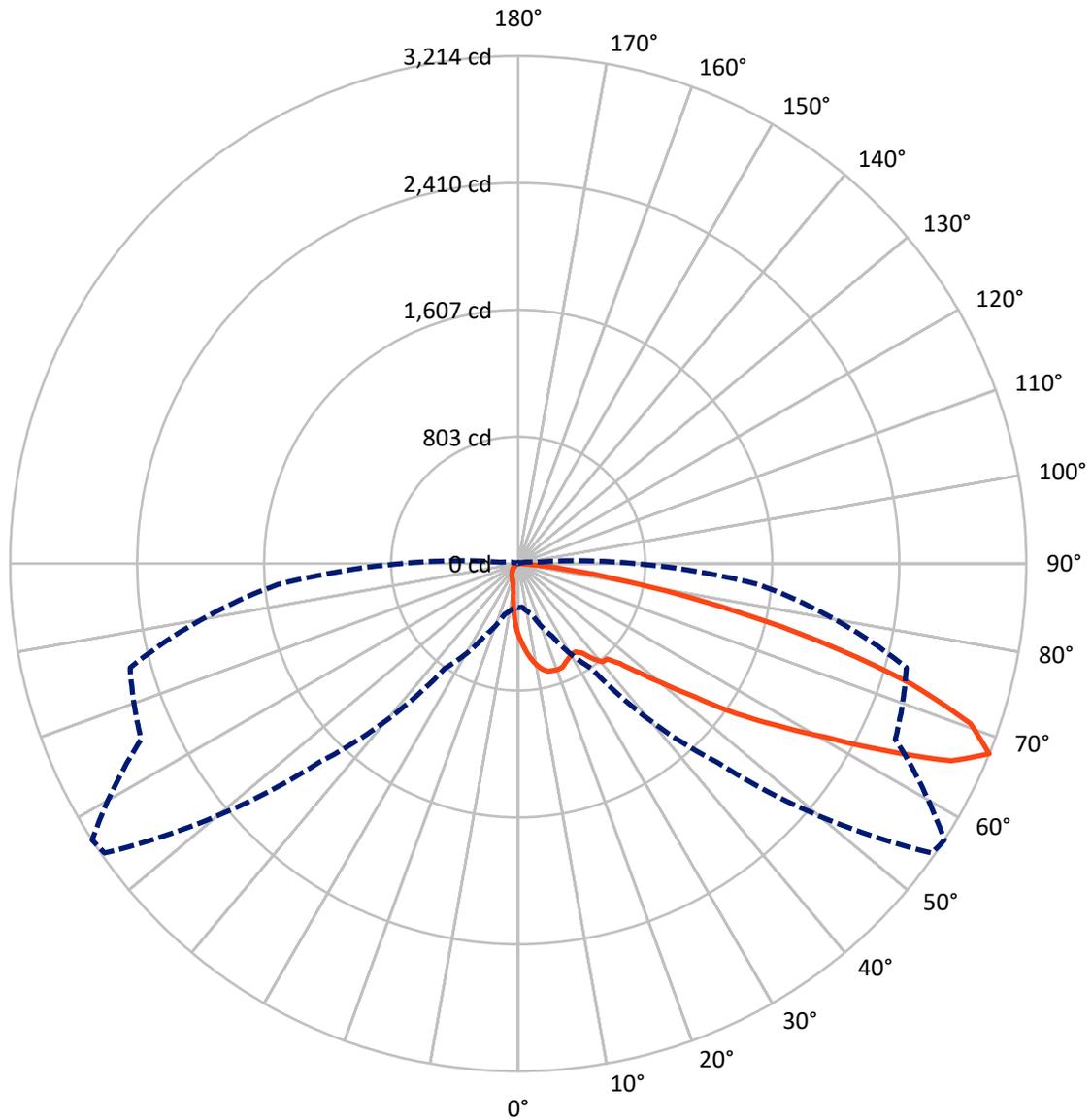
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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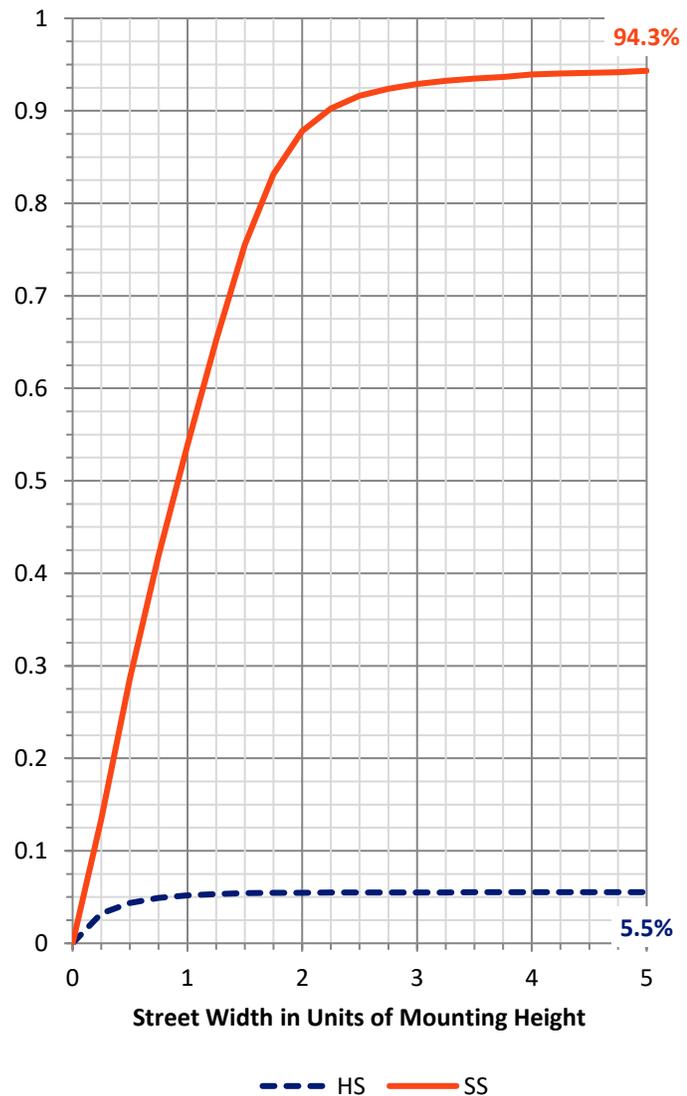
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	160.2	0.0	160.2
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	2718.8	0.0	2718.8
	% Fixture	94.4	0.0	94.4
Total	Lumens	2879.0	0.0	2879.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.4
10°-20°	107.1	3.7
20°-30°	156.7	5.4
30°-40°	235.7	8.2
40°-50°	384.5	13.4
50°-60°	727.8	25.3
60°-70°	831.7	28.9
70°-80°	363.0	12.6
80°-90°	31.4	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°	2879.0	100.0
0°-180°	2879.0	100.0



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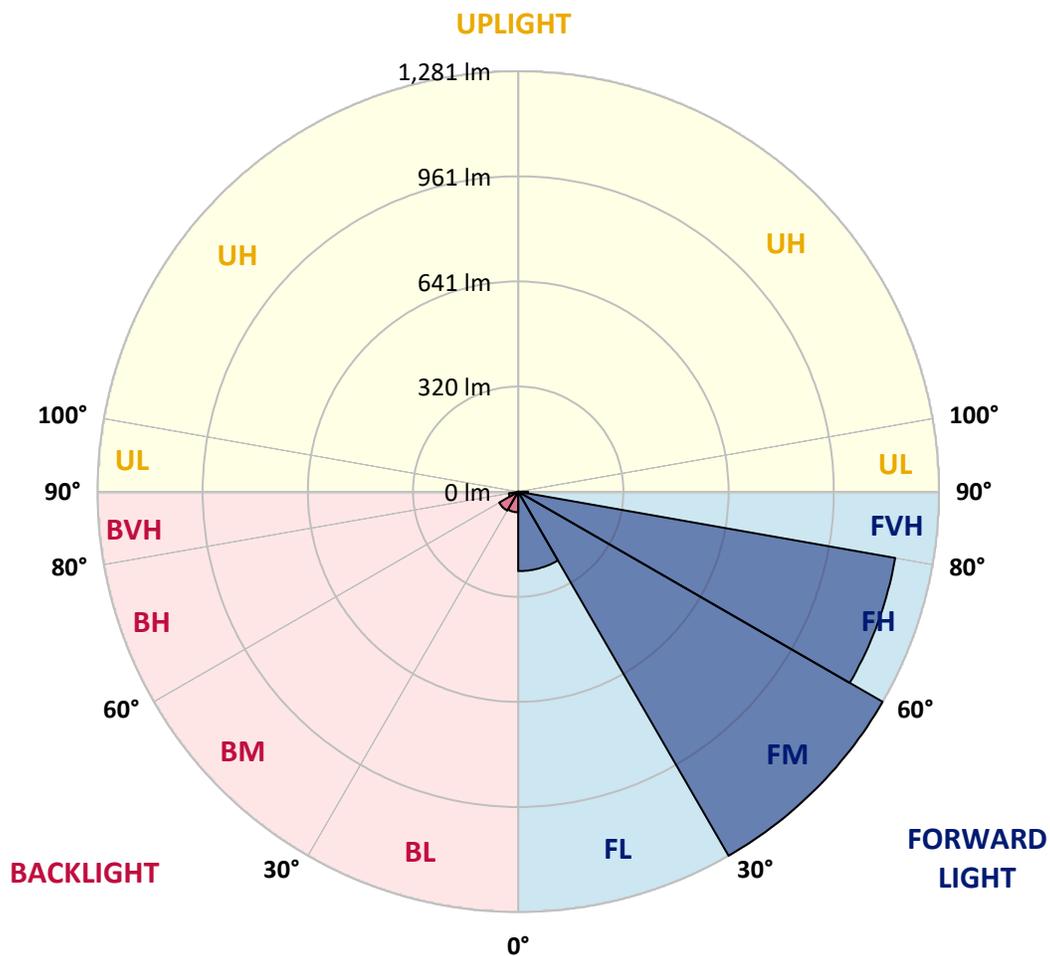
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.1	8.4			
FM	(30°-60°)	1281.2	44.5			
FH	(60°-80°)	1165.7	40.5			G1/1800
FVH	(80°-90°)	29.8	1.0			G1/100
BL	(0°-30°)	62.9	2.2	B0/110		
BM	(30°-60°)	66.8	2.3	B0/220		
BH	(60°-80°)	29.0	1.0	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
2.5°	540.7	545.2	547.0	539.4	532.2	526.8	516.1	509.4	499.1	486.6	469.2
5°	620.2	619.8	615.3	609.5	606.4	589.4	571.5	564.4	547.9	516.6	482.6
7.5°	650.2	652.9	656.0	652.4	647.1	638.1	617.1	611.8	587.6	547.0	499.1
10°	636.3	640.8	646.2	655.5	673.4	676.5	660.5	654.6	625.6	580.9	513.0
12.5°	572.4	579.1	588.1	618.5	660.0	685.9	689.5	687.7	663.1	611.3	522.8
15°	487.5	480.4	503.6	545.6	614.0	673.4	705.6	706.9	694.4	639.9	533.6
17.5°	423.6	430.3	440.6	472.3	543.4	628.7	703.4	711.8	717.7	670.3	546.1
20°	412.9	413.3	417.8	435.2	472.3	575.1	695.8	715.9	746.3	700.2	551.4
22.5°	423.2	420.5	422.7	426.3	449.5	520.6	679.7	712.3	763.2	737.3	562.6
25°	436.6	439.7	435.7	431.2	444.6	496.0	660.9	694.4	788.7	770.4	567.5
27.5°	474.1	475.9	465.2	449.1	454.0	484.8	631.9	680.1	827.1	807.5	575.6
30°	535.3	533.6	511.2	484.8	473.7	492.0	613.5	664.5	847.7	836.1	571.5
32.5°	580.9	577.3	555.4	528.2	508.5	519.3	613.5	666.3	889.3	886.1	579.1
35°	622.0	618.9	591.6	569.7	552.8	562.6	647.9	695.3	948.7	979.1	605.9
37.5°	666.7	658.2	636.8	598.8	593.4	631.4	722.1	761.4	1043.0	1065.3	606.8
40°	737.3	730.2	695.8	656.4	627.4	682.8	780.2	817.8	1109.6	1134.6	603.3
42.5°	834.3	817.3	774.9	717.7	671.2	710.5	786.9	825.8	1160.0	1242.3	637.7
45°	939.7	934.8	875.8	802.1	753.0	748.0	858.0	900.9	1272.2	1416.1	712.3
47.5°	1092.1	1053.7	975.9	897.3	855.3	822.2	967.0	1032.2	1408.9	1619.4	823.6
50°	1252.5	1230.2	1111.8	1003.2	951.8	939.7	1139.5	1198.5	1584.1	1848.2	1009.0
52.5°	1526.0	1474.6	1314.7	1177.9	1089.0	1077.4	1327.2	1402.7	1781.6	2121.2	1196.2
55°	1710.1	1678.4	1517.5	1414.3	1297.7	1262.4	1593.1	1675.7	2023.4	2359.4	1383.5
57.5°	1769.1	1730.2	1585.5	1560.4	1533.6	1553.7	1868.8	1937.6	2191.0	2545.3	1549.3
60°	1532.7	1531.4	1448.7	1514.0	1646.7	1879.0	2194.5	2224.9	2326.8	2659.3	1652.5
62.5°	1102.4	1098.8	1115.4	1277.1	1524.7	2099.3	2642.7	2608.8	2444.8	2722.7	1708.3
65°	571.5	574.2	657.3	870.5	1226.6	2082.4	3052.9	3010.0	2517.6	2683.8	1669.0
67.5°	278.8	276.6	330.7	506.3	810.2	1778.1	3193.7	3213.8	2632.0	2541.3	1526.9
70°	139.0	140.8	180.1	267.2	442.4	1277.1	2949.3	3034.6	2526.5	2237.9	1300.4
72.5°	97.9	99.2	122.4	158.6	206.9	775.3	2447.9	2594.9	2108.7	1780.3	916.5
75°	70.2	72.4	89.8	118.4	114.8	389.2	1892.0	1979.1	1528.7	1099.3	485.7
77.5°	50.9	54.1	70.2	91.2	79.5	163.6	1310.2	1308.0	862.4	522.4	196.6
80°	33.5	35.7	51.8	67.5	56.8	76.0	767.7	723.0	381.6	200.2	71.5
82.5°	18.8	19.7	34.9	46.9	39.3	35.7	343.2	316.4	129.1	73.3	33.5
85°	1.3	2.2	20.6	29.5	21.0	17.9	96.1	87.1	41.6	33.5	17.9
87.5°	0.0	0.0	2.7	5.4	3.6	2.7	23.2	20.1	12.5	19.7	8.9
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°	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
2.5°	462.1	449.5	430.8	412.5	394.6	378.5	366.9	355.3	350.3	339.2	358.4
5°	464.7	442.4	397.7	354.4	316.8	276.6	250.2	231.5	222.1	213.6	214.0
7.5°	467.4	433.5	364.6	291.4	237.3	194.8	171.1	162.7	159.1	154.6	154.6
10°	464.3	419.2	317.3	229.2	174.3	151.5	138.5	135.4	137.2	136.7	138.1
12.5°	464.3	402.2	269.0	178.7	143.0	129.6	126.0	125.6	128.2	130.0	130.9
15°	458.5	376.3	220.7	146.6	125.1	120.2	118.9	118.9	120.7	122.4	122.0
17.5°	453.6	350.3	180.5	126.0	114.4	113.1	112.2	111.3	113.5	115.3	115.7
20°	441.5	314.1	148.8	113.5	107.2	105.5	105.0	104.1	106.4	108.1	109.5
22.5°	424.1	273.0	127.4	104.1	101.0	98.8	97.4	97.9	100.1	101.9	101.0
25°	400.8	236.8	111.7	97.4	92.9	91.6	89.8	90.7	91.2	92.9	94.3
27.5°	375.4	201.5	101.4	92.1	87.6	84.9	82.7	82.2	82.7	84.9	84.0
30°	337.8	170.7	94.3	85.8	80.9	77.3	74.6	73.3	72.8	73.3	73.7
32.5°	309.2	150.1	89.4	80.9	74.6	70.2	67.0	64.3	63.5	62.6	62.6
35°	290.9	139.0	84.5	74.2	68.4	63.9	59.0	55.9	54.1	53.2	53.6
37.5°	251.6	119.8	78.6	69.3	62.6	57.2	52.3	47.4	46.0	46.9	46.9
40°	218.5	102.8	73.3	63.5	55.9	50.9	45.6	39.8	38.9	41.6	42.0
42.5°	206.0	95.2	68.4	58.1	50.0	46.0	38.9	34.4	34.4	36.6	37.1
45°	221.2	92.9	63.9	53.2	45.1	40.7	33.5	29.5	29.5	31.7	32.2
47.5°	269.5	96.5	59.4	48.3	41.6	35.7	27.7	25.9	25.9	26.8	27.3
50°	371.8	108.1	55.0	43.3	38.0	30.4	24.1	22.3	21.9	22.3	22.3
52.5°	501.8	131.4	50.0	38.9	33.5	25.5	21.0	19.2	17.9	17.9	17.4
55°	633.2	156.4	45.1	34.4	29.0	21.9	17.9	16.1	13.9	13.0	12.5
57.5°	748.9	176.5	39.3	30.4	25.0	18.8	15.6	12.1	8.9	7.1	7.1
60°	820.9	181.9	34.0	26.4	20.6	16.1	12.5	8.0	4.5	3.6	3.1
62.5°	834.3	164.9	29.0	22.3	17.4	13.4	8.9	4.5	1.8	0.4	0.4
65°	798.1	130.0	25.0	18.8	14.3	10.7	5.8	2.2	0.0	0.0	0.0
67.5°	737.3	102.3	21.0	15.6	12.1	8.5	3.6	0.4	0.0	0.0	0.0
70°	643.0	81.8	18.3	13.4	10.3	7.1	2.2	0.0	0.0	0.0	0.0
72.5°	473.7	54.1	16.1	12.1	8.9	5.4	1.3	0.0	0.0	0.0	0.0
75°	259.2	34.4	14.7	11.2	8.5	4.5	0.9	0.0	0.0	0.0	0.0
77.5°	105.0	24.1	13.0	10.7	8.5	4.5	0.9	0.0	0.0	0.0	0.0
80°	39.8	17.0	11.2	9.4	8.0	4.5	0.9	0.0	0.0	0.0	0.0
82.5°	21.0	13.9	10.7	9.4	7.6	4.0	0.4	0.0	0.0	0.0	0.0
85°	10.3	4.5	5.4	5.4	6.3	3.6	0.4	0.0	0.0	0.0	0.0
87.5°	2.2	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)