

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: P1207802

Luminaire Tested: UPW-SA1-030-730-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-730-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3303 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

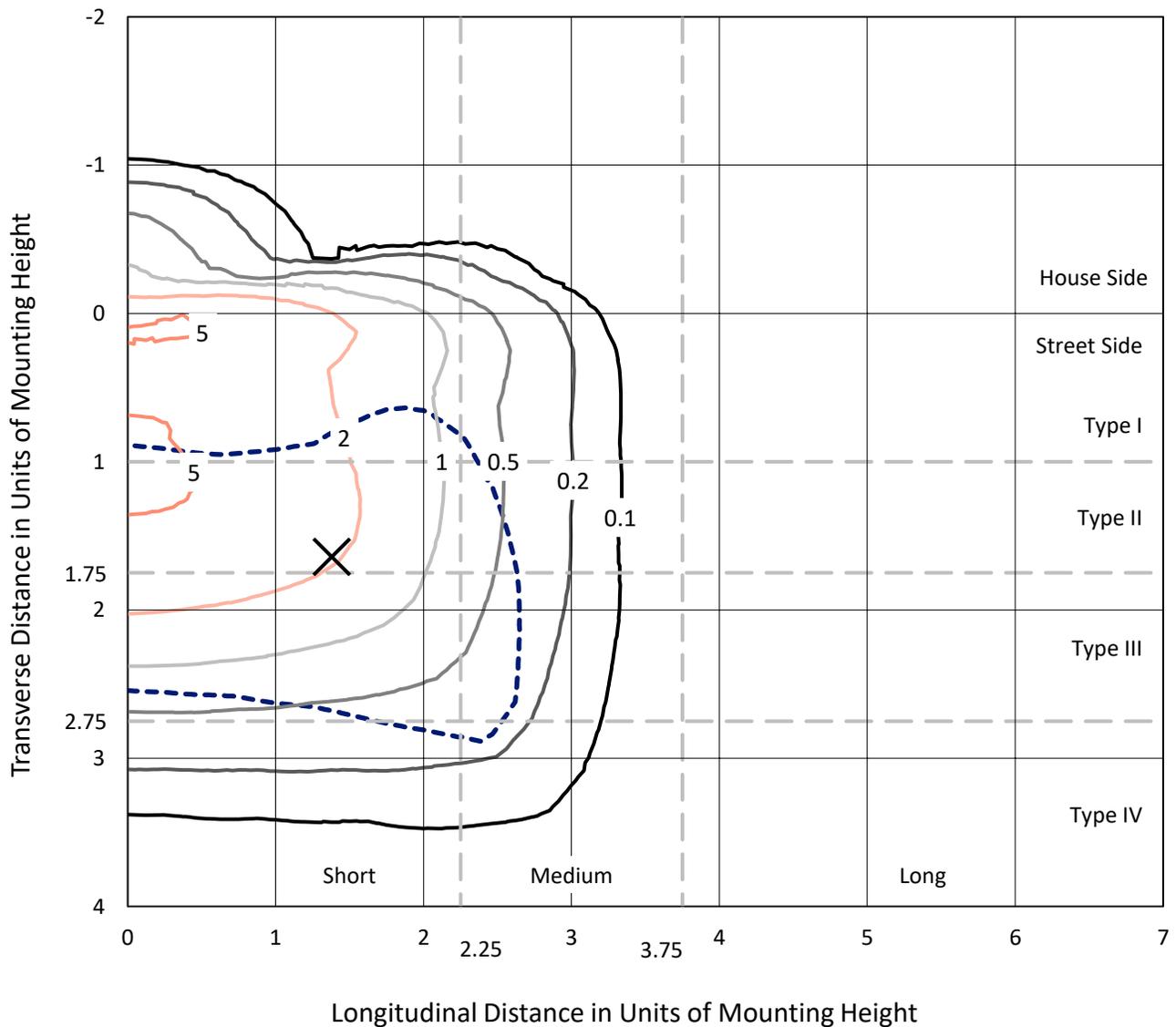
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

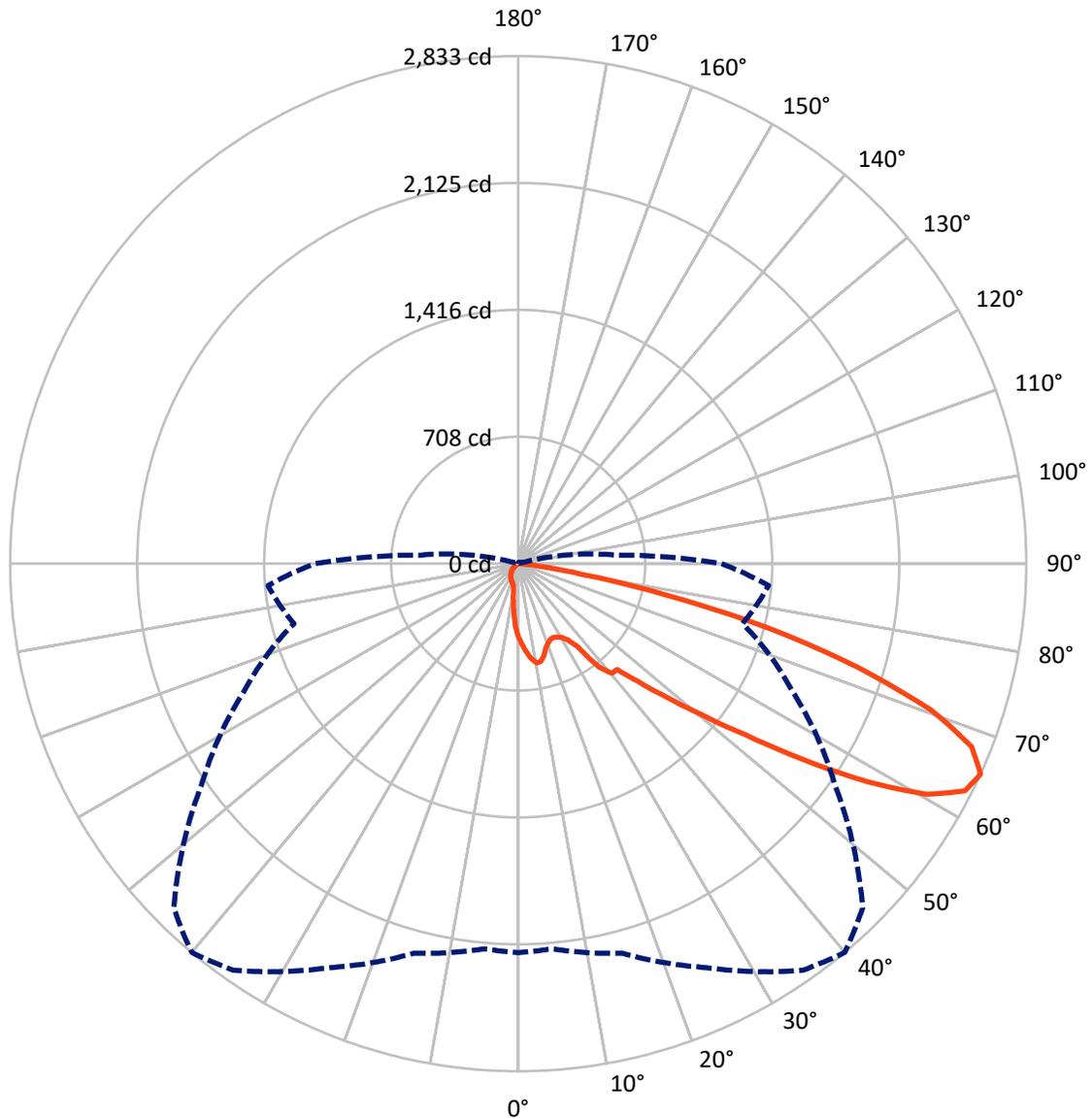
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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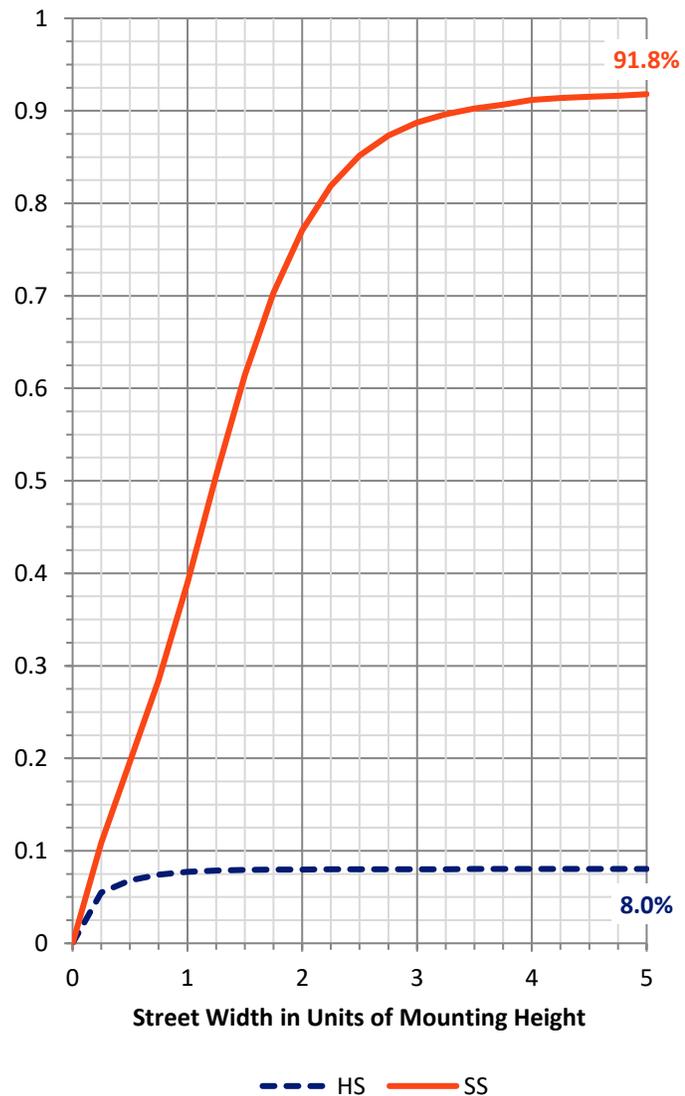
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	267.3	0.0	267.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3035.7	0.0	3035.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	3303.0	0.0	3303.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	1.1
10°-20°	106.4	3.2
20°-30°	166.0	5.0
30°-40°	275.2	8.3
40°-50°	466.6	14.1
50°-60°	821.8	24.9
60°-70°	1023.6	31.0
70°-80°	384.7	11.6
80°-90°	20.8	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°	3303.0	100.0
0°-180°	3303.0	100.0



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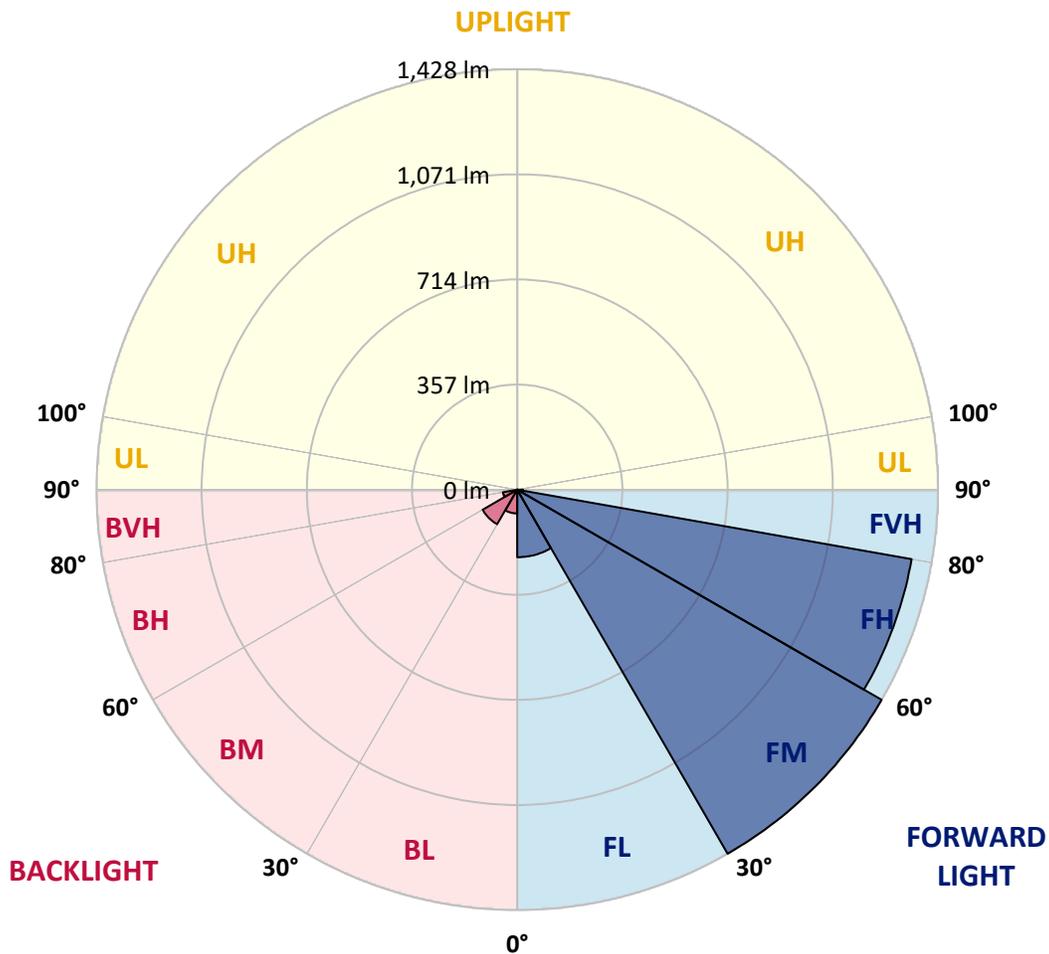
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.4	6.9			
FM	(30°-60°)	1427.8	43.2			
FH	(60°-80°)	1359.0	41.1			G1/1800
FVH	(80°-90°)	19.5	0.6			G1/100
BL	(0°-30°)	80.9	2.4	B0/110		
BM	(30°-60°)	135.7	4.1	B0/220		
BH	(60°-80°)	49.3	1.5	B0/110		G0/110
BVH	(80°-90°)	1.4	0.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5
2.5°	467.0	463.1	462.1	460.2	455.3	454.8	453.8	445.1	438.7	432.4	422.7
5°	512.2	509.3	506.8	506.4	503.0	498.6	497.6	485.4	473.8	460.6	440.2
7.5°	545.3	542.4	542.4	542.4	538.5	537.0	537.0	524.4	513.2	493.2	465.5
10°	552.1	550.1	552.1	556.9	561.8	563.8	565.7	562.8	553.5	531.7	498.1
12.5°	535.1	533.1	535.1	542.4	551.6	560.8	573.0	588.6	592.0	576.9	533.1
15°	518.0	515.6	511.7	510.3	520.0	534.1	550.6	592.9	624.1	619.7	573.5
17.5°	507.3	506.8	497.6	485.0	485.9	496.6	518.0	575.4	639.6	658.1	610.9
20°	497.1	495.7	485.4	467.4	463.6	473.3	491.3	551.1	636.7	693.6	649.9
22.5°	491.8	489.8	476.2	454.8	450.9	459.7	475.7	524.8	622.1	714.5	686.8
25°	498.1	496.6	477.2	452.4	449.0	456.3	470.4	510.7	603.2	722.3	716.5
27.5°	519.5	516.6	490.8	461.1	456.7	463.6	475.2	505.9	586.6	719.4	740.3
30°	592.5	581.3	542.8	487.4	473.8	478.1	487.4	512.2	575.9	715.5	767.1
32.5°	734.0	728.2	664.0	563.3	511.7	507.8	514.1	531.7	583.2	736.0	816.7
35°	980.1	972.8	881.9	721.8	588.6	567.2	563.3	578.4	638.7	741.3	825.0
37.5°	1171.8	1165.0	1088.6	968.5	804.0	734.5	689.3	682.9	642.1	716.5	835.2
40°	1265.2	1253.5	1141.6	979.6	857.1	805.0	754.9	652.8	607.1	701.9	861.4
42.5°	1490.9	1458.8	1326.9	1124.1	902.8	807.5	718.9	610.9	619.7	717.0	902.3
45°	1741.9	1743.8	1584.3	1314.8	1052.6	938.8	827.9	661.0	664.9	755.4	956.3
47.5°	2031.3	1997.7	1828.9	1556.5	1239.9	1111.0	986.9	748.1	729.1	817.2	1028.8
50°	2241.9	2220.5	2089.2	1832.3	1470.9	1324.5	1161.6	879.0	834.2	888.2	1102.2
52.5°	2358.2	2353.3	2287.6	2081.9	1756.9	1586.7	1373.6	1032.2	962.6	966.5	1156.7
55°	2449.6	2436.5	2433.6	2332.9	2080.4	1930.6	1653.3	1240.4	1125.6	1042.9	1211.2
57.5°	2541.5	2526.5	2539.1	2521.1	2428.2	2299.3	1989.0	1466.6	1267.6	1124.1	1276.4
60°	2543.0	2527.9	2563.4	2639.3	2680.7	2614.0	2329.5	1713.7	1424.2	1207.3	1364.9
62.5°	2425.8	2410.7	2471.5	2629.6	2802.3	2794.0	2593.6	1950.5	1580.4	1290.5	1438.3
65°	2170.4	2158.2	2251.1	2488.0	2769.7	2832.9	2716.6	2156.3	1686.4	1294.4	1400.4
67.5°	1655.3	1677.2	1834.8	2161.6	2600.4	2727.3	2699.1	2210.3	1634.4	1176.6	1255.9
70°	1068.2	1108.1	1284.1	1669.9	2212.7	2439.4	2454.0	1962.2	1367.8	956.8	943.7
72.5°	568.6	575.9	738.4	1080.3	1682.5	1980.2	2002.1	1477.3	935.9	635.7	515.1
75°	249.0	269.0	361.4	607.5	1121.2	1451.0	1385.8	885.3	483.0	290.9	199.4
77.5°	89.5	96.8	140.6	297.2	632.8	849.3	791.4	420.8	195.1	128.9	58.4
80°	43.3	43.8	56.4	113.3	264.6	358.0	311.3	148.8	89.0	72.5	22.9
82.5°	14.6	18.0	32.1	44.8	98.3	122.1	90.0	55.5	53.0	55.0	16.1
85°	0.0	0.5	16.1	24.3	25.3	28.7	22.9	24.3	32.6	33.1	5.4
87.5°	0.0	0.0	0.0	4.9	5.4	5.4	2.9	5.8	13.6	16.1	1.0
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°	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5	412.5
2.5°	416.9	411.0	399.3	389.6	376.5	367.2	357.5	353.1	350.2	338.1	337.1
5°	429.0	415.9	389.1	359.9	331.3	303.0	276.3	261.2	248.1	242.7	236.4
7.5°	447.0	427.1	379.9	329.8	275.8	232.0	202.4	185.8	172.2	169.8	167.8
10°	471.8	441.7	372.1	290.9	215.0	173.7	149.3	138.6	134.3	133.3	131.8
12.5°	499.1	460.2	363.4	245.6	168.3	133.3	123.1	123.1	125.5	126.5	126.5
15°	534.1	481.6	346.8	205.3	135.2	116.7	116.3	118.2	120.6	121.6	122.1
17.5°	564.7	503.9	325.9	168.3	116.3	110.9	111.9	113.3	115.8	117.7	117.7
20°	597.8	524.4	304.5	138.6	107.0	105.6	106.5	108.5	111.4	112.8	113.3
22.5°	627.0	540.4	279.7	119.2	100.7	100.7	102.1	104.1	107.5	109.9	109.9
25°	651.3	553.1	252.9	106.0	94.9	95.3	96.8	99.7	103.1	105.6	106.0
27.5°	670.3	559.4	222.3	95.3	89.0	89.0	91.4	94.9	99.2	102.1	102.1
30°	694.6	569.1	198.9	87.6	82.7	82.7	84.6	89.0	94.9	98.7	98.7
32.5°	731.1	586.1	174.1	80.7	76.9	76.9	78.8	82.7	88.5	93.4	94.4
35°	736.9	578.4	148.8	75.4	71.5	71.0	72.0	75.4	80.3	83.7	85.1
37.5°	746.2	578.4	125.0	69.6	66.2	65.7	66.2	67.6	69.6	70.5	70.0
40°	766.6	582.2	105.1	64.7	61.3	60.3	59.8	59.3	57.4	55.0	54.5
42.5°	798.7	592.5	88.0	59.3	55.9	55.0	53.5	50.1	45.7	42.3	42.3
45°	837.1	601.7	73.9	55.0	51.1	50.1	45.7	40.4	35.0	32.6	32.6
47.5°	884.3	612.9	62.7	51.1	47.2	44.8	37.5	31.1	26.8	25.8	25.8
50°	938.8	619.7	53.0	46.7	43.3	38.9	29.7	24.3	20.9	20.4	20.4
52.5°	976.7	619.2	45.2	42.8	39.4	32.6	23.8	19.5	17.0	16.1	16.1
55°	1013.2	612.4	37.9	37.9	34.0	26.3	19.5	16.1	13.6	12.6	12.2
57.5°	1057.5	609.0	32.6	31.6	27.7	21.4	16.1	13.1	10.7	8.8	8.3
60°	1128.0	614.8	27.2	25.3	21.9	17.0	13.1	10.2	7.8	5.4	4.9
62.5°	1175.2	609.0	22.4	20.4	17.5	13.6	9.7	7.3	4.4	2.9	2.4
65°	1131.4	543.8	19.0	16.5	14.1	10.7	7.3	4.9	1.9	0.5	0.0
67.5°	978.2	434.4	16.1	13.6	11.2	8.3	5.4	2.9	0.5	0.0	0.0
70°	711.1	292.8	14.1	11.2	8.8	6.8	3.9	1.5	0.0	0.0	0.0
72.5°	372.1	137.7	12.6	10.2	7.8	5.4	2.9	1.0	0.0	0.0	0.0
75°	130.4	49.6	11.7	9.7	6.8	4.4	2.4	1.0	0.0	0.0	0.0
77.5°	40.9	22.4	11.7	10.2	7.3	4.4	2.4	1.0	0.0	0.0	0.0
80°	18.5	14.6	10.7	9.7	6.8	4.4	2.4	0.5	0.0	0.0	0.0
82.5°	13.1	11.7	10.2	8.8	6.3	3.9	1.9	0.5	0.0	0.0	0.0
85°	4.9	3.9	3.9	4.9	4.4	2.4	1.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	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)