

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: P1207852

Luminaire Tested: UPW-SA1-030-740-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-740-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3493 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

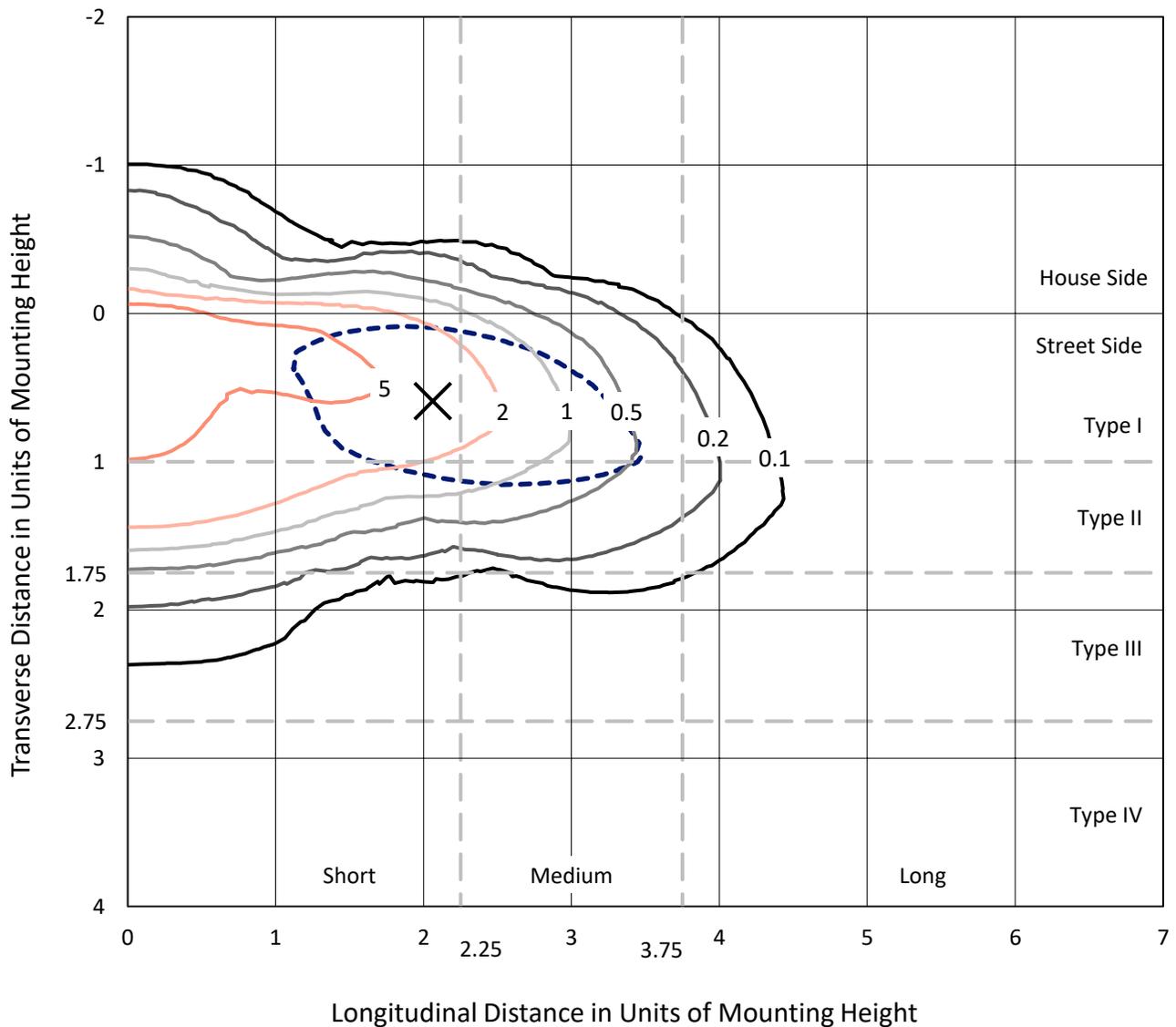
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

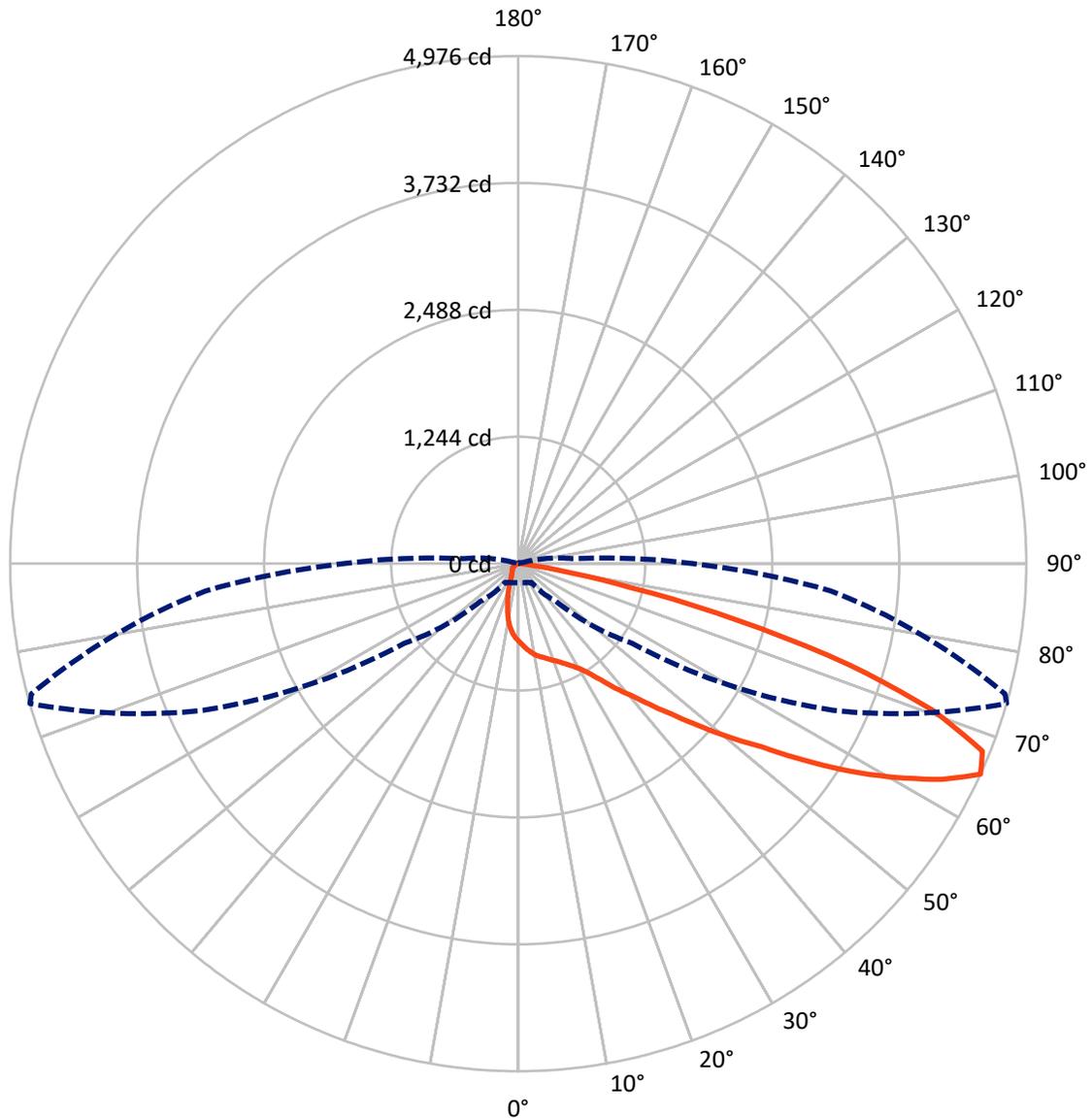
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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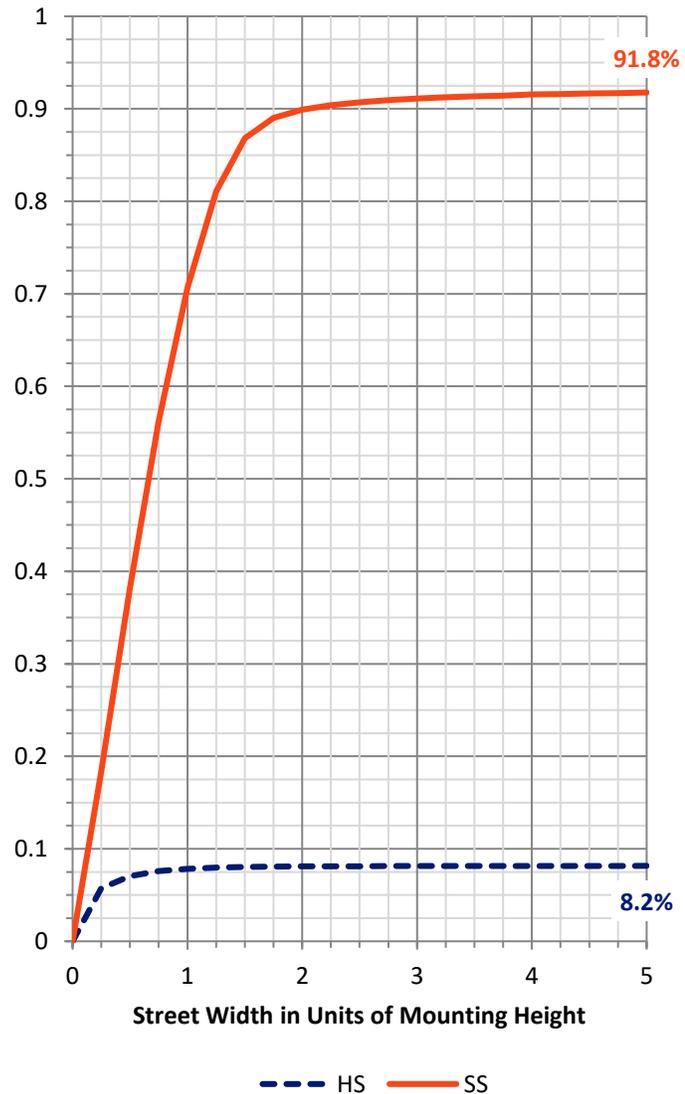
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.1	0.0	287.1
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3205.9	0.0	3205.9
	% Fixture	91.8	0.0	91.8
Total	Lumens	3493.0	0.0	3493.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.9
10°-20°	159.2	4.6
20°-30°	248.2	7.1
30°-40°	391.8	11.2
40°-50°	609.4	17.4
50°-60°	880.9	25.2
60°-70°	796.2	22.8
70°-80°	320.0	9.2
80°-90°	22.5	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°	3493.0	100.0
0°-180°	3493.0	100.0



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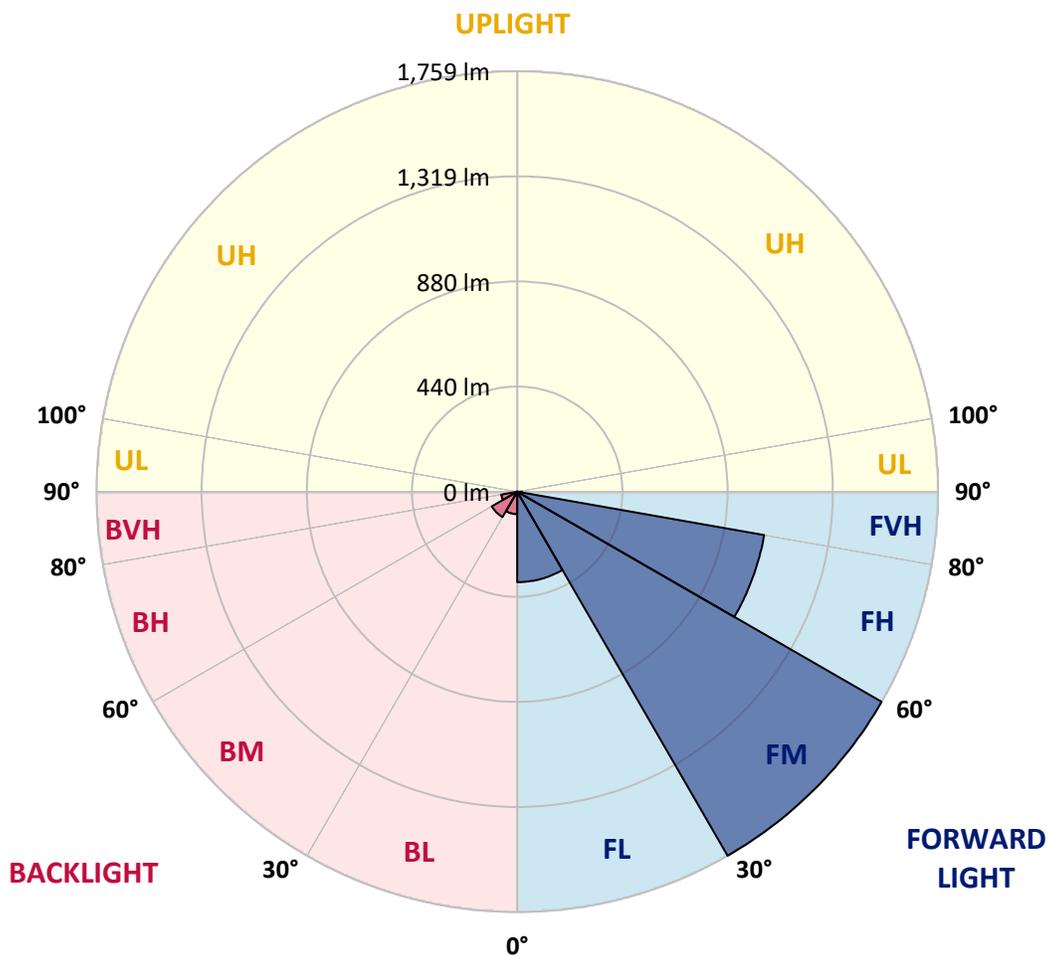
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.4	10.8			
FM (30°-60°)	1759.1	50.4			
FH (60°-80°)	1048.4	30.0			G1/1800
FVH (80°-90°)	20.0	0.6			G1/100
BL (0°-30°)	93.9	2.7	B0/110		
BM (30°-60°)	122.9	3.5	B0/220		
BH (60°-80°)	67.8	1.9	B0/110		G0/110
BVH (80°-90°)	2.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0
2.5°	858.8	855.6	857.2	850.2	849.2	842.2	826.7	811.2	796.8	793.1	775.5
5°	921.3	919.7	918.1	917.0	912.2	906.8	884.9	864.1	837.4	832.6	795.8
7.5°	937.8	936.2	939.4	944.8	948.0	945.3	929.3	909.0	875.3	870.0	816.6
10°	901.0	899.4	913.8	934.6	953.8	967.7	961.9	943.7	908.4	903.1	831.0
12.5°	819.8	817.7	841.2	883.9	929.3	968.8	980.5	968.3	935.1	929.3	842.8
15°	745.6	742.3	765.8	809.1	866.3	942.6	987.5	991.2	957.0	953.3	855.6
17.5°	706.0	706.6	721.0	756.8	811.8	895.1	980.0	1012.6	986.4	981.6	869.5
20°	722.1	723.1	724.7	738.6	771.7	853.4	963.5	1035.6	1015.3	1009.9	887.1
22.5°	768.5	771.2	766.9	759.4	763.7	823.0	946.4	1060.7	1048.4	1043.0	899.4
25°	855.0	851.8	838.5	808.6	787.2	813.9	940.5	1089.5	1090.0	1083.6	914.3
27.5°	958.1	949.6	933.5	886.0	833.7	828.9	938.9	1120.5	1138.6	1129.5	931.4
30°	1045.7	1041.4	1021.7	977.9	899.4	863.6	943.2	1150.4	1196.3	1191.5	953.8
32.5°	1102.3	1101.2	1086.8	1057.4	988.6	919.7	961.9	1191.0	1283.4	1267.3	996.6
35°	1149.8	1145.0	1133.8	1114.6	1072.9	996.0	1001.4	1256.1	1400.9	1396.0	1064.9
37.5°	1203.8	1197.9	1184.6	1160.5	1131.7	1086.3	1064.4	1340.5	1550.4	1548.3	1155.2
40°	1266.3	1262.5	1249.2	1217.1	1181.4	1154.1	1130.1	1427.6	1695.1	1680.2	1238.5
42.5°	1327.7	1328.8	1318.6	1285.5	1236.9	1200.0	1208.1	1516.2	1883.6	1876.2	1368.3
45°	1397.6	1393.9	1388.6	1364.5	1312.2	1236.4	1282.8	1639.0	2102.6	2121.3	1556.8
47.5°	1446.8	1445.7	1456.4	1438.2	1395.0	1294.6	1359.7	1791.3	2371.8	2389.4	1764.0
50°	1459.6	1458.0	1493.8	1508.7	1507.1	1407.3	1465.5	1984.0	2667.7	2665.0	1995.8
52.5°	1377.4	1381.1	1450.5	1530.1	1604.3	1580.8	1656.1	2249.5	2983.8	2992.9	2213.7
55°	1141.3	1164.8	1241.7	1426.0	1621.4	1757.6	1901.8	2614.8	3400.9	3376.9	2385.1
57.5°	715.6	703.4	833.1	1100.2	1411.0	1771.0	2100.5	2981.7	3846.3	3815.9	2637.2
60°	364.8	348.7	424.6	613.6	979.5	1488.4	2104.7	3301.6	4257.0	4222.8	2892.0
62.5°	223.2	220.6	236.1	299.6	507.4	1004.0	1823.8	3494.9	4658.6	4631.4	3064.5
65°	188.0	187.5	193.3	203.5	224.8	521.2	1360.8	3400.4	4976.4	4936.9	3074.6
67.5°	166.6	166.6	178.9	183.7	149.5	224.3	834.7	3007.3	4902.2	4894.7	2860.4
70°	143.7	141.5	158.6	173.0	124.4	115.4	429.9	2416.1	4306.7	4331.3	2436.4
72.5°	108.4	110.6	128.2	147.4	102.0	81.2	196.5	1690.8	3391.3	3403.1	1914.6
75°	81.7	83.8	99.3	120.7	82.2	61.4	108.4	1098.6	2221.2	2247.9	1118.3
77.5°	62.5	63.0	78.5	99.9	63.6	47.0	73.2	610.4	1125.8	1101.8	434.7
80°	43.3	44.9	61.4	77.4	50.7	35.2	49.1	264.4	406.4	374.9	135.1
82.5°	16.0	20.8	43.3	56.1	35.8	25.1	36.3	106.3	119.1	111.6	49.7
85°	2.7	2.7	23.5	41.1	19.2	15.0	23.0	36.9	39.0	41.1	25.6
87.5°	0.0	0.0	2.7	9.1	3.2	2.1	6.4	9.1	18.7	20.8	13.9
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°	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0
2.5°	763.7	752.5	730.1	710.8	680.9	654.8	638.2	625.4	615.8	604.6	593.3
5°	772.3	746.1	691.1	629.1	565.6	508.4	461.4	418.7	390.9	387.7	374.4
7.5°	779.7	738.1	645.1	535.1	437.9	355.2	296.9	261.2	230.2	220.6	224.8
10°	779.7	724.2	584.3	433.1	316.2	231.8	189.1	165.6	157.0	153.3	150.1
12.5°	777.6	701.8	507.9	337.5	220.0	168.8	149.5	141.0	136.2	134.1	133.0
15°	774.4	674.5	432.6	252.1	168.2	144.7	135.1	128.7	124.4	122.3	120.7
17.5°	772.3	646.2	364.2	191.2	145.3	131.9	123.9	117.5	113.8	110.6	110.0
20°	765.8	613.1	298.0	157.0	131.9	120.7	112.2	106.3	102.5	98.8	98.8
22.5°	755.7	566.1	235.5	136.7	120.7	109.5	100.4	94.5	90.8	88.7	87.6
25°	742.9	519.6	186.9	125.0	110.0	97.7	89.7	83.8	80.6	79.6	78.5
27.5°	728.5	473.2	153.8	115.4	99.9	88.1	79.0	74.8	72.6	71.6	70.5
30°	716.7	431.0	133.5	107.3	90.3	78.5	70.5	66.8	65.2	64.6	63.6
32.5°	717.8	395.2	119.6	98.3	82.8	71.0	63.0	59.3	59.3	58.7	58.7
35°	737.5	372.8	110.0	90.3	74.8	63.6	56.6	53.4	54.5	54.5	53.9
37.5°	758.9	350.3	100.9	81.7	67.8	56.6	49.7	48.1	48.6	49.1	49.1
40°	786.7	333.8	93.5	73.7	60.9	50.7	44.9	43.3	43.3	43.3	42.7
42.5°	849.7	332.2	87.1	66.8	54.5	44.9	40.6	38.5	37.4	36.9	35.8
45°	938.4	343.9	82.8	60.3	48.1	40.6	36.9	34.2	31.0	29.4	28.8
47.5°	1052.6	374.4	79.0	54.5	42.2	36.9	33.1	29.4	25.1	23.0	22.4
50°	1195.2	421.9	75.3	49.7	37.9	33.1	28.8	24.0	19.8	17.6	17.6
52.5°	1328.8	478.0	71.6	45.4	33.6	30.4	24.6	19.2	15.5	13.9	13.4
55°	1448.9	541.0	67.3	40.6	30.4	26.7	20.3	15.0	11.2	9.6	9.1
57.5°	1593.6	620.6	62.0	35.8	27.2	23.0	16.0	10.7	7.5	5.3	4.8
60°	1751.7	660.6	55.0	31.5	23.5	19.2	12.3	7.5	4.3	2.1	2.1
62.5°	1803.0	640.9	46.5	27.2	20.3	15.5	9.1	4.8	1.6	0.0	0.0
65°	1709.5	549.0	39.5	24.0	17.6	11.7	6.4	2.7	0.0	0.0	0.0
67.5°	1494.3	427.3	32.6	20.8	15.0	9.6	4.3	0.5	0.0	0.0	0.0
70°	1233.7	316.7	27.2	17.1	12.8	7.5	2.7	0.0	0.0	0.0	0.0
72.5°	952.2	224.8	23.5	14.4	10.7	5.9	1.6	0.0	0.0	0.0	0.0
75°	537.8	120.7	21.4	14.4	9.6	4.8	1.1	0.0	0.0	0.0	0.0
77.5°	222.2	55.5	18.7	14.4	9.6	5.3	1.6	0.0	0.0	0.0	0.0
80°	69.4	28.3	16.0	15.0	10.1	5.9	1.6	0.0	0.0	0.0	0.0
82.5°	32.6	21.9	16.6	13.9	9.1	5.3	1.6	0.0	0.0	0.0	0.0
85°	17.1	11.2	11.7	11.7	8.0	4.8	1.6	0.0	0.0	0.0	0.0
87.5°	4.8	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)