

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: P1207798

Luminaire Tested: UPW-SA1-030-730-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207798
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-SA1-030-730-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 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: 3182 lumens
Efficiency: N/A
Efficacy: 93.6 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

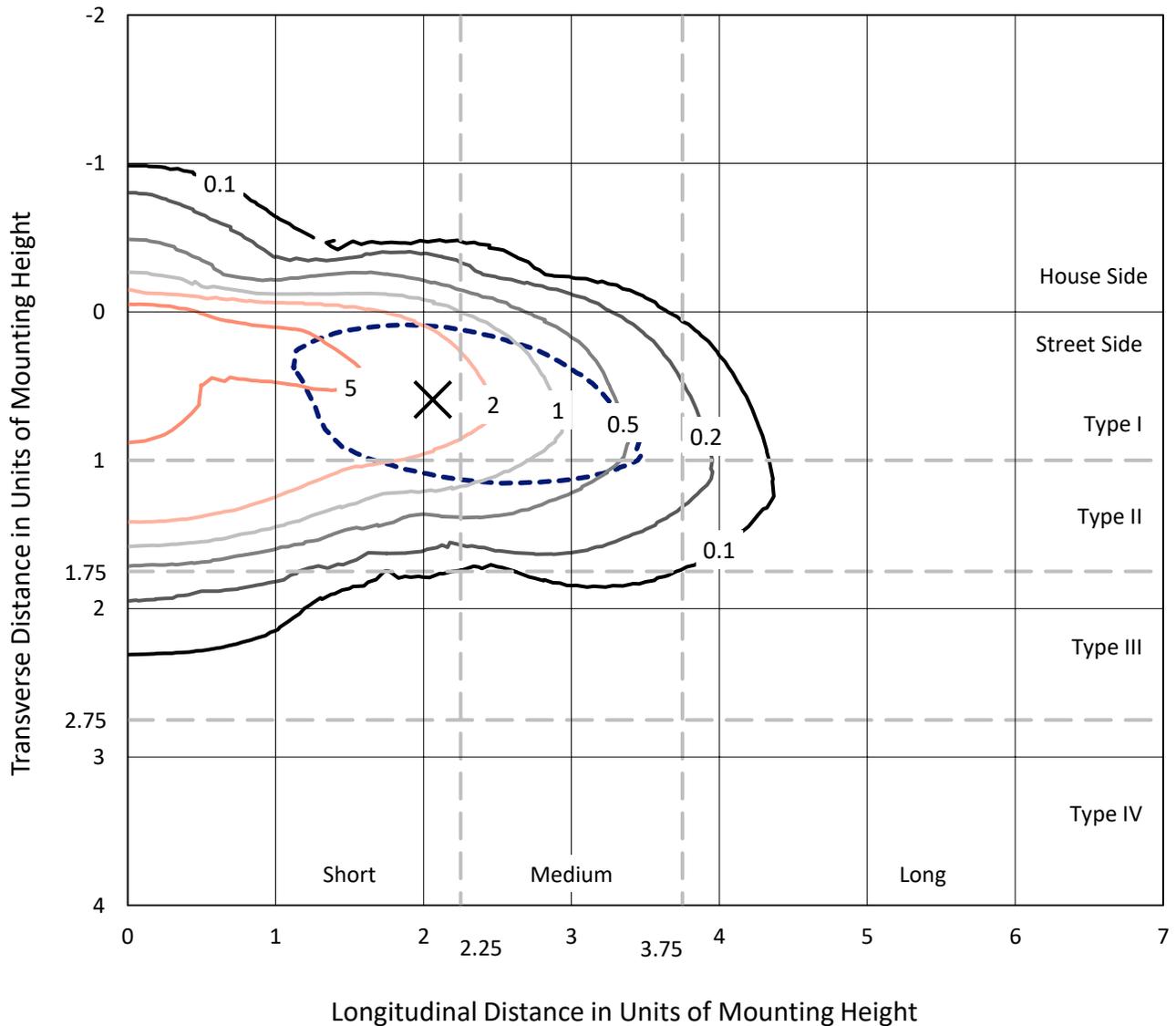
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

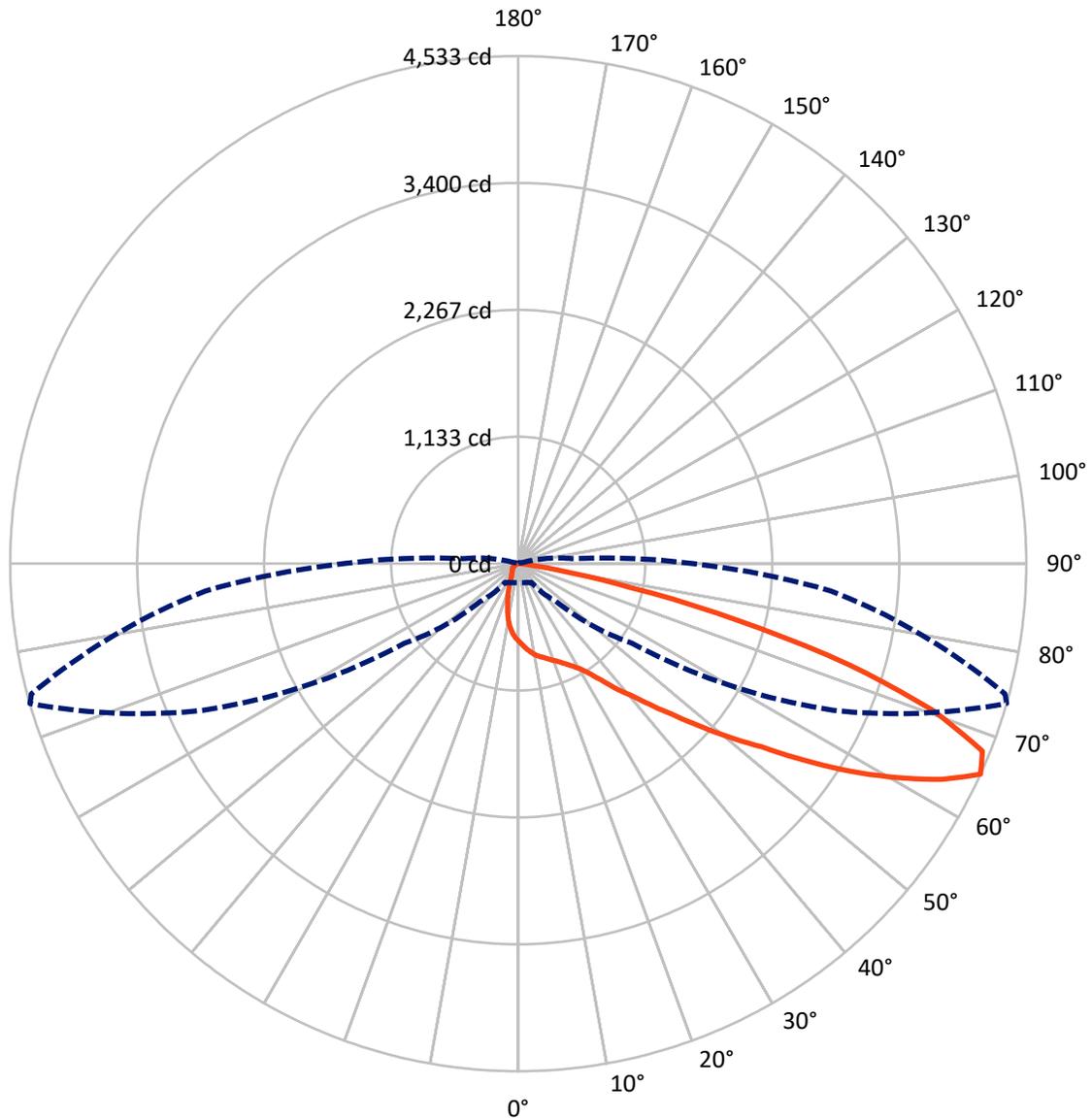
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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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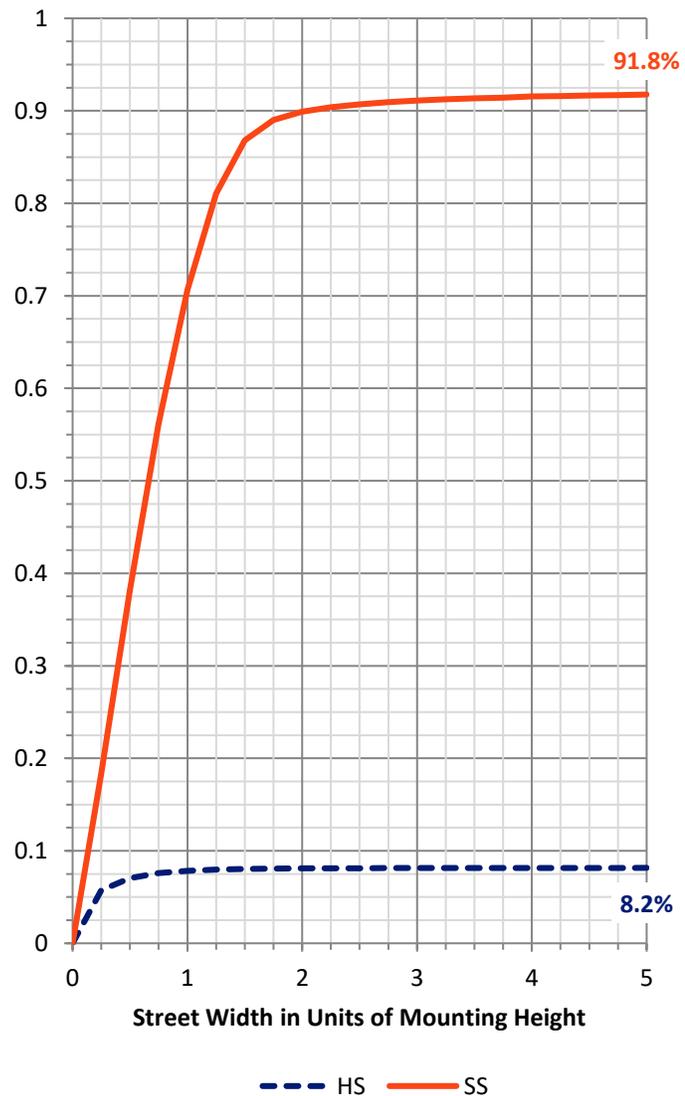
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	261.6	0.0	261.6
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2920.4	0.0	2920.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	3182.0	0.0	3182.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.2	1.9
10°-20°	145.0	4.6
20°-30°	226.1	7.1
30°-40°	356.9	11.2
40°-50°	555.1	17.4
50°-60°	802.4	25.2
60°-70°	725.3	22.8
70°-80°	291.5	9.2
80°-90°	20.5	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°	3182.0	100.0
0°-180°	3182.0	100.0



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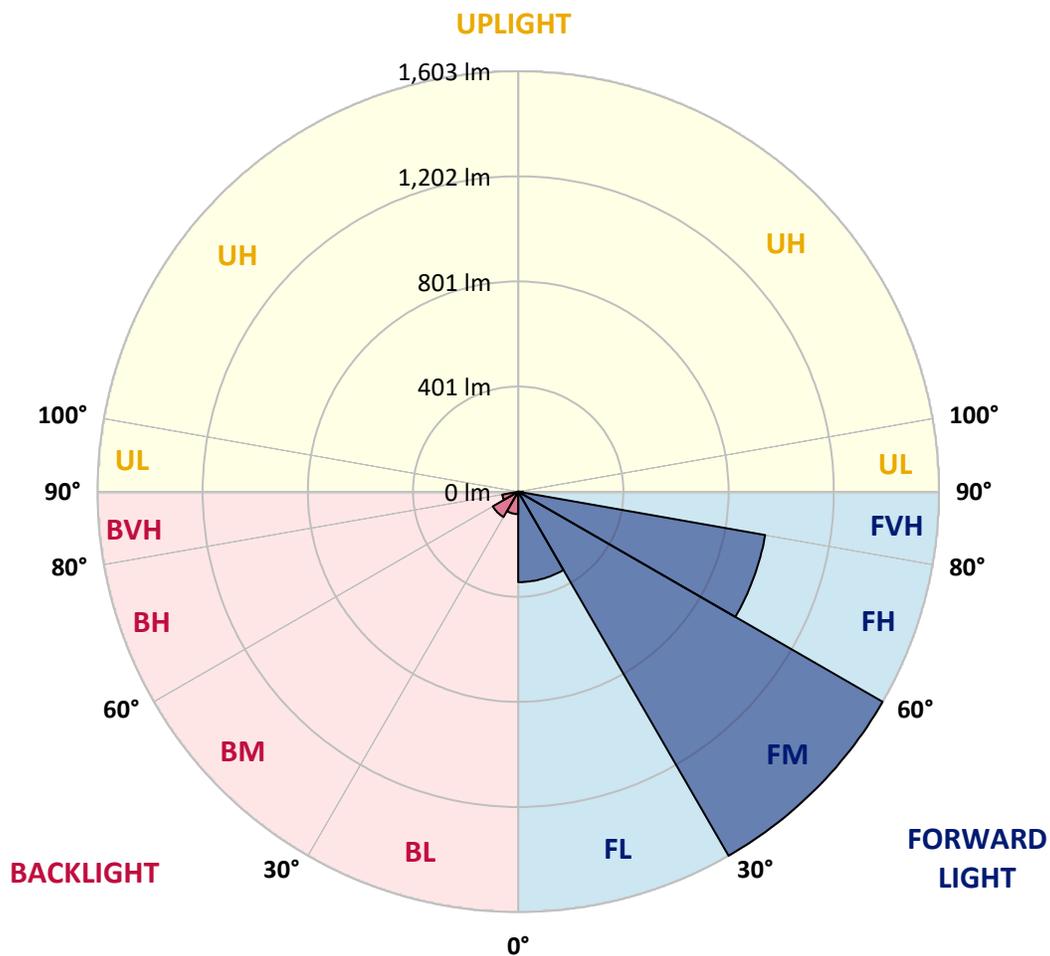
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.7	10.8			
FM	(30°-60°)	1602.5	50.4			
FH	(60°-80°)	955.0	30.0			G1/1800
FVH	(80°-90°)	18.2	0.6			G1/100
BL	(0°-30°)	85.6	2.7	B0/110		
BM	(30°-60°)	111.9	3.5	B0/220		
BH	(60°-80°)	61.8	1.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3
2.5°	782.3	779.4	780.9	774.5	773.6	767.2	753.1	739.0	725.9	722.5	706.4
5°	839.2	837.8	836.3	835.3	831.0	826.1	806.2	787.2	762.9	758.5	724.9
7.5°	854.3	852.9	855.8	860.6	863.6	861.1	846.5	828.0	797.4	792.5	743.9
10°	820.7	819.3	832.4	851.4	868.9	881.6	876.2	859.7	827.6	822.7	757.0
12.5°	746.8	744.9	766.3	805.2	846.5	882.5	893.2	882.0	851.9	846.5	767.7
15°	679.2	676.3	697.7	737.1	789.1	858.7	899.6	903.0	871.8	868.4	779.4
17.5°	643.2	643.7	656.8	689.4	739.5	815.4	892.8	922.4	898.6	894.2	792.0
20°	657.8	658.7	660.2	672.8	703.0	777.4	877.7	943.4	924.9	920.0	808.1
22.5°	700.1	702.5	698.6	691.8	695.7	749.7	862.1	966.2	955.0	950.2	819.3
25°	778.9	776.0	763.8	736.6	717.1	741.4	856.8	992.5	993.0	987.1	832.9
27.5°	872.8	865.0	850.4	807.1	759.4	755.1	855.3	1020.7	1037.2	1029.0	848.5
30°	952.6	948.7	930.7	890.8	819.3	786.7	859.2	1048.0	1089.8	1085.4	868.9
32.5°	1004.2	1003.2	990.1	963.3	900.5	837.8	876.2	1084.9	1169.1	1154.5	907.8
35°	1047.5	1043.1	1032.9	1015.4	977.4	907.3	912.2	1144.3	1276.1	1271.7	970.1
37.5°	1096.6	1091.3	1079.1	1057.2	1030.9	989.6	969.6	1221.2	1412.4	1410.4	1052.3
40°	1153.5	1150.1	1138.0	1108.8	1076.2	1051.4	1029.5	1300.5	1544.2	1530.6	1128.2
42.5°	1209.5	1210.4	1201.2	1171.0	1126.8	1093.2	1100.5	1381.2	1715.9	1709.1	1246.4
45°	1273.2	1269.8	1264.9	1243.0	1195.4	1126.3	1168.6	1493.1	1915.4	1932.4	1418.2
47.5°	1318.0	1317.0	1326.7	1310.2	1270.8	1179.3	1238.7	1631.8	2160.6	2176.7	1607.0
50°	1329.6	1328.2	1360.8	1374.4	1372.9	1282.0	1335.0	1807.4	2430.1	2427.7	1818.1
52.5°	1254.7	1258.1	1321.4	1393.9	1461.5	1440.1	1508.7	2049.2	2718.2	2726.4	2016.6
55°	1039.7	1061.1	1131.1	1299.0	1477.1	1601.1	1732.5	2382.0	3098.1	3076.2	2172.8
57.5°	651.9	640.7	759.0	1002.2	1285.4	1613.3	1913.5	2716.2	3503.9	3476.1	2402.4
60°	332.3	317.7	386.8	559.0	892.3	1355.9	1917.4	3007.6	3878.0	3846.9	2634.5
62.5°	203.4	200.9	215.0	272.9	462.2	914.6	1661.4	3183.7	4243.9	4219.0	2791.6
65°	171.3	170.8	176.1	185.4	204.8	474.8	1239.6	3097.6	4533.3	4497.3	2800.9
67.5°	151.8	151.8	163.0	167.4	136.2	204.3	760.4	2739.6	4465.7	4458.9	2605.8
70°	130.9	128.9	144.5	157.6	113.4	105.1	391.6	2201.0	3923.2	3945.6	2219.5
72.5°	98.8	100.7	116.8	134.3	92.9	74.0	179.0	1540.3	3089.4	3100.1	1744.2
75°	74.4	76.4	90.5	110.0	74.9	55.9	98.8	1000.8	2023.4	2047.7	1018.8
77.5°	56.9	57.4	71.5	91.0	57.9	42.8	66.7	556.1	1025.6	1003.7	396.0
80°	39.4	40.9	55.9	70.5	46.2	32.1	44.8	240.8	370.2	341.5	123.1
82.5°	14.6	19.0	39.4	51.1	32.6	22.9	33.1	96.8	108.5	101.7	45.2
85°	2.4	2.4	21.4	37.5	17.5	13.6	20.9	33.6	35.5	37.5	23.4
87.5°	0.0	0.0	2.4	8.3	2.9	1.9	5.8	8.3	17.0	19.0	12.6
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°	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3	693.3
2.5°	695.7	685.5	665.1	647.6	620.3	596.5	581.4	569.7	561.0	550.7	540.5
5°	703.5	679.7	629.5	573.1	515.2	463.2	420.3	381.4	356.1	353.2	341.0
7.5°	710.3	672.4	587.7	487.5	398.9	323.5	270.5	237.9	209.7	200.9	204.8
10°	710.3	659.7	532.2	394.6	288.0	211.1	172.2	150.8	143.0	139.6	136.7
12.5°	708.4	639.3	462.7	307.5	200.4	153.7	136.2	128.4	124.1	122.1	121.1
15°	705.4	614.5	394.1	229.6	153.3	131.8	123.1	117.2	113.4	111.4	110.0
17.5°	703.5	588.7	331.8	174.2	132.3	120.2	112.9	107.0	103.6	100.7	100.2
20°	697.7	558.5	271.5	143.0	120.2	110.0	102.2	96.8	93.4	90.0	90.0
22.5°	688.4	515.7	214.6	124.5	110.0	99.7	91.5	86.1	82.7	80.8	79.8
25°	676.7	473.4	170.3	113.8	100.2	89.0	81.7	76.4	73.5	72.5	71.5
27.5°	663.6	431.1	140.1	105.1	91.0	80.3	72.0	68.1	66.2	65.2	64.2
30°	652.9	392.6	121.6	97.8	82.2	71.5	64.2	60.8	59.4	58.9	57.9
32.5°	653.9	360.0	109.0	89.5	75.4	64.7	57.4	54.0	54.0	53.5	53.5
35°	671.9	339.6	100.2	82.2	68.1	57.9	51.6	48.7	49.6	49.6	49.1
37.5°	691.3	319.2	92.0	74.4	61.8	51.6	45.2	43.8	44.3	44.8	44.8
40°	716.6	304.1	85.1	67.1	55.5	46.2	40.9	39.4	39.4	39.4	38.9
42.5°	774.0	302.6	79.3	60.8	49.6	40.9	37.0	35.0	34.1	33.6	32.6
45°	854.8	313.3	75.4	55.0	43.8	37.0	33.6	31.1	28.2	26.8	26.3
47.5°	958.9	341.0	72.0	49.6	38.4	33.6	30.2	26.8	22.9	20.9	20.4
50°	1088.8	384.3	68.6	45.2	34.5	30.2	26.3	21.9	18.0	16.1	16.1
52.5°	1210.4	435.4	65.2	41.4	30.7	27.7	22.4	17.5	14.1	12.6	12.2
55°	1319.9	492.8	61.3	37.0	27.7	24.3	18.5	13.6	10.2	8.8	8.3
57.5°	1451.8	565.3	56.4	32.6	24.8	20.9	14.6	9.7	6.8	4.9	4.4
60°	1595.8	601.8	50.1	28.7	21.4	17.5	11.2	6.8	3.9	1.9	1.9
62.5°	1642.5	583.8	42.3	24.8	18.5	14.1	8.3	4.4	1.5	0.0	0.0
65°	1557.3	500.1	36.0	21.9	16.1	10.7	5.8	2.4	0.0	0.0	0.0
67.5°	1361.3	389.2	29.7	19.0	13.6	8.8	3.9	0.5	0.0	0.0	0.0
70°	1123.8	288.5	24.8	15.6	11.7	6.8	2.4	0.0	0.0	0.0	0.0
72.5°	867.5	204.8	21.4	13.1	9.7	5.4	1.5	0.0	0.0	0.0	0.0
75°	489.9	110.0	19.5	13.1	8.8	4.4	1.0	0.0	0.0	0.0	0.0
77.5°	202.4	50.6	17.0	13.1	8.8	4.9	1.5	0.0	0.0	0.0	0.0
80°	63.2	25.8	14.6	13.6	9.2	5.4	1.5	0.0	0.0	0.0	0.0
82.5°	29.7	19.9	15.1	12.6	8.3	4.9	1.5	0.0	0.0	0.0	0.0
85°	15.6	10.2	10.7	10.7	7.3	4.4	1.5	0.0	0.0	0.0	0.0
87.5°	4.4	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)