

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: P1207879

Luminaire Tested: UPW-SA1-030-750-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 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: 3494 lumens
Efficiency: N/A
Efficacy: 102.8 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

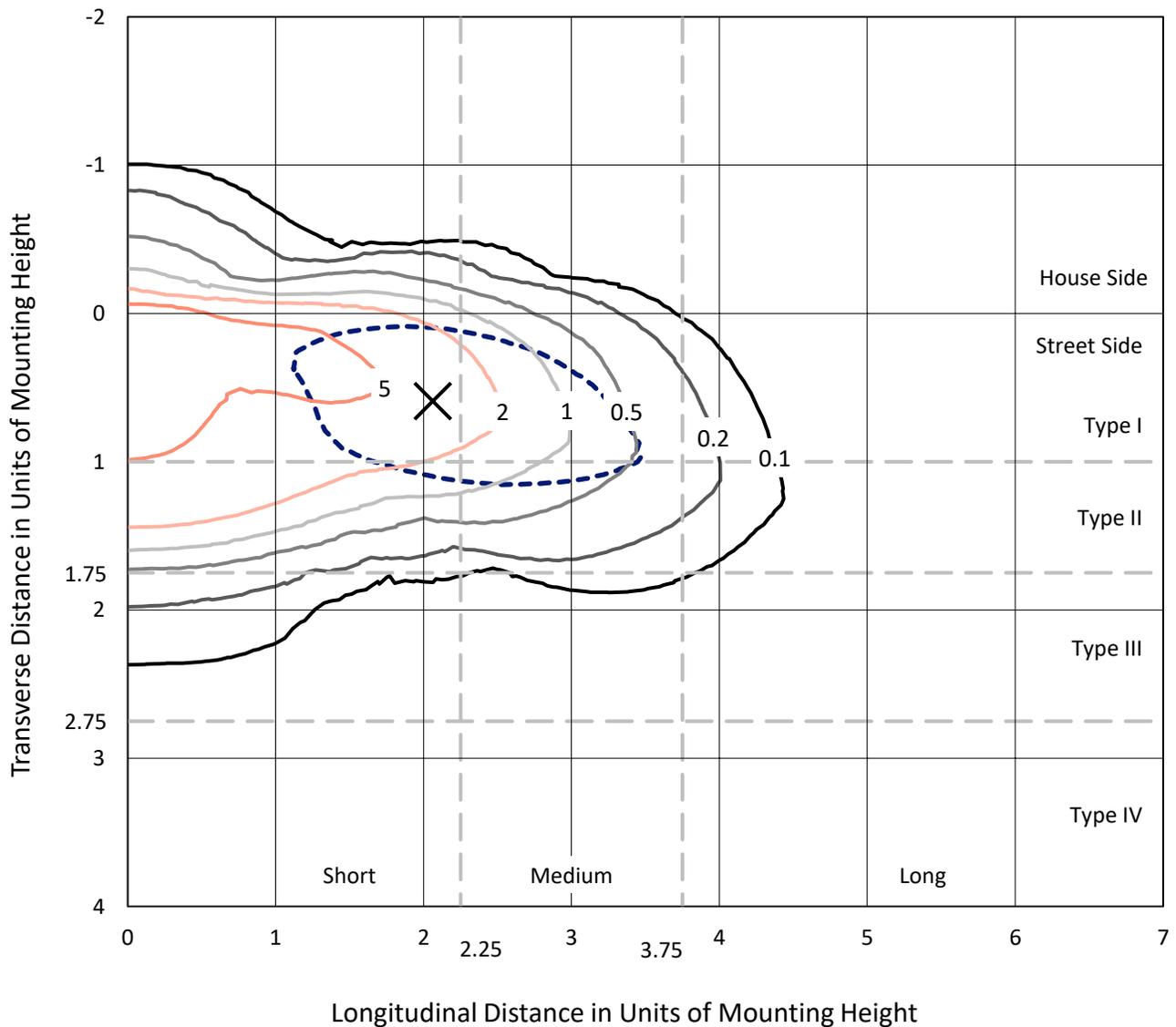
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

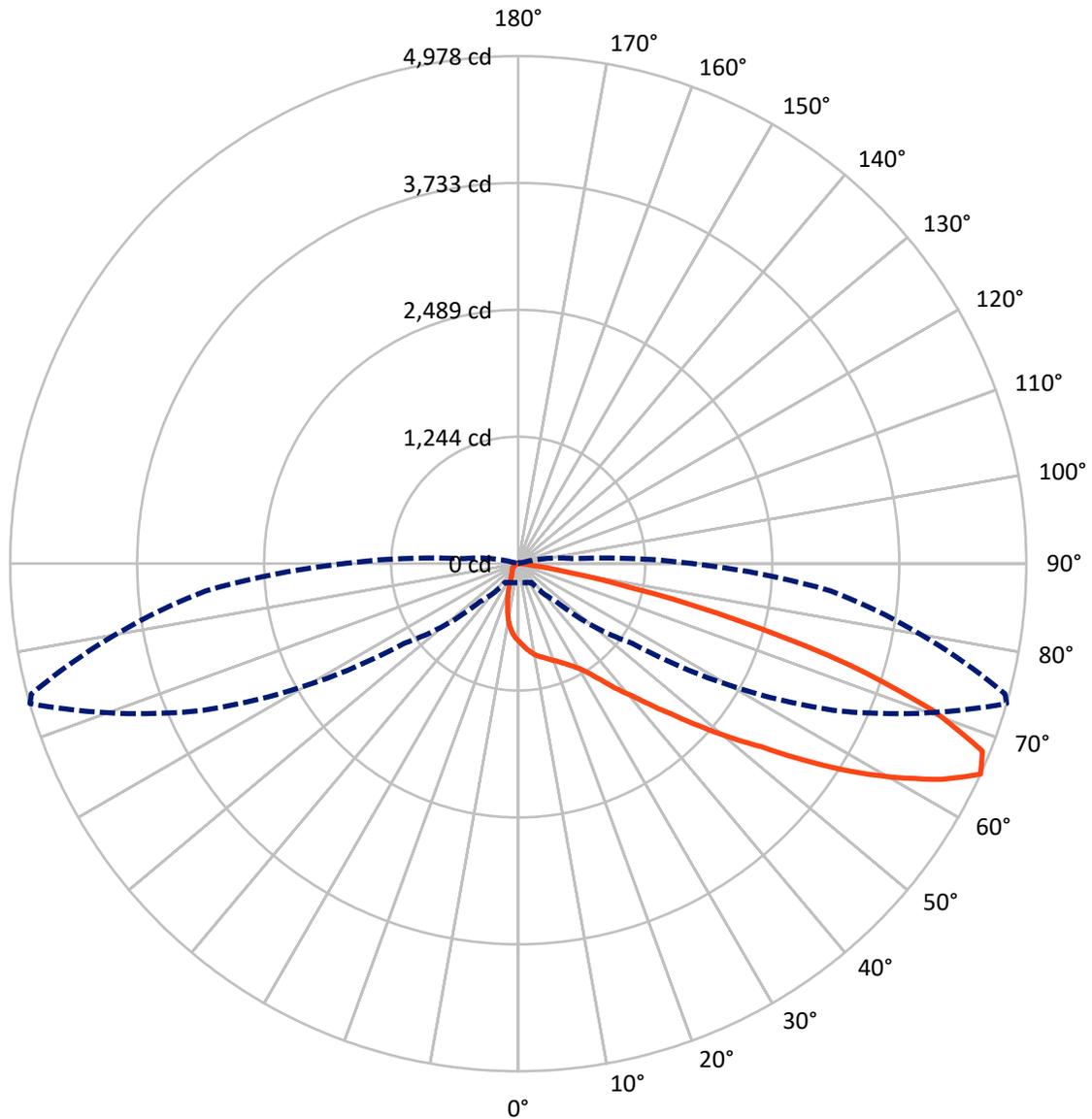
× Max cd
 - - - 1/2 Max cd



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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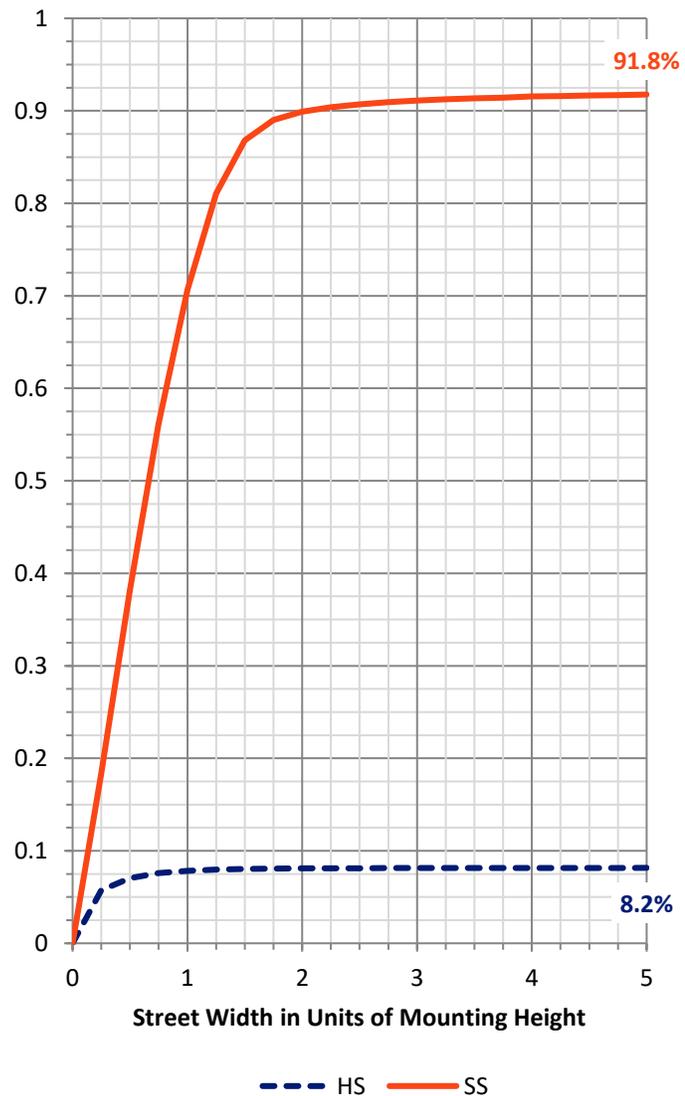
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.2	0.0	287.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3206.8	0.0	3206.8
	% Fixture	91.8	0.0	91.8
Total	Lumens	3494.0	0.0	3494.0
	% 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°	248.3	7.1
30°-40°	391.9	11.2
40°-50°	609.5	17.4
50°-60°	881.1	25.2
60°-70°	796.4	22.8
70°-80°	320.1	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°	3494.0	100.0
0°-180°	3494.0	100.0



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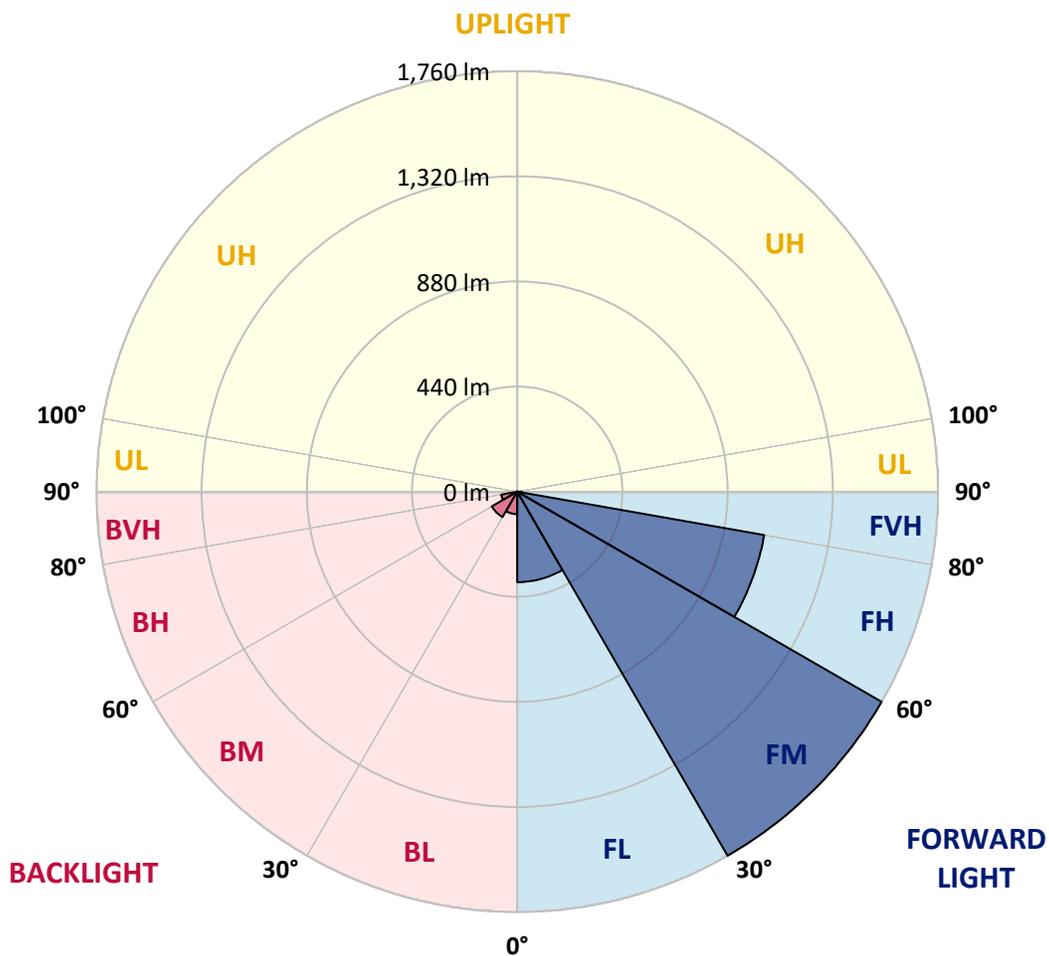
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.5	10.8			
FM	(30°-60°)	1759.6	50.4			
FH	(60°-80°)	1048.7	30.0			G1/1800
FVH	(80°-90°)	20.0	0.6			G1/100
BL	(0°-30°)	94.0	2.7	B0/110		
BM	(30°-60°)	122.9	3.5	B0/220		
BH	(60°-80°)	67.9	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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	859.0	855.8	857.4	850.5	849.4	842.5	827.0	811.5	797.1	793.3	775.7
5°	921.5	919.9	918.3	917.3	912.4	907.1	885.2	864.4	837.7	832.8	796.0
7.5°	938.1	936.5	939.7	945.0	948.2	945.6	929.5	909.2	875.6	870.2	816.8
10°	901.2	899.6	914.0	934.9	954.1	968.0	962.1	944.0	908.7	903.4	831.2
12.5°	820.0	817.9	841.4	884.1	929.5	969.1	980.8	968.5	935.4	929.5	843.0
15°	745.8	742.6	766.1	809.3	866.5	942.9	987.8	991.5	957.3	953.6	855.8
17.5°	706.2	706.8	721.2	757.0	812.0	895.3	980.3	1012.9	986.7	981.9	869.7
20°	722.3	723.3	724.9	738.8	771.9	853.7	963.7	1035.8	1015.5	1010.2	887.3
22.5°	768.7	771.4	767.1	759.7	763.9	823.2	946.6	1061.0	1048.7	1043.3	899.6
25°	855.3	852.1	838.7	808.8	787.4	814.1	940.8	1089.8	1090.3	1083.9	914.6
27.5°	958.4	949.8	933.8	886.3	833.9	829.1	939.2	1120.8	1139.0	1129.9	931.7
30°	1046.0	1041.7	1022.0	978.2	899.6	863.8	943.4	1150.7	1196.6	1191.8	954.1
32.5°	1102.6	1101.6	1087.1	1057.8	988.8	919.9	962.1	1191.3	1283.7	1267.7	996.8
35°	1150.2	1145.4	1134.1	1114.9	1073.2	996.3	1001.7	1256.5	1401.3	1396.4	1065.2
37.5°	1204.1	1198.2	1184.9	1160.9	1132.0	1086.6	1064.7	1340.9	1550.8	1548.7	1155.5
40°	1266.6	1262.9	1249.5	1217.5	1181.7	1154.4	1130.4	1428.0	1695.6	1680.6	1238.9
42.5°	1328.1	1329.1	1319.0	1285.9	1237.2	1200.4	1208.4	1516.6	1884.2	1876.7	1368.7
45°	1398.0	1394.3	1389.0	1364.9	1312.6	1236.7	1283.2	1639.5	2103.2	2121.9	1557.2
47.5°	1447.2	1446.1	1456.8	1438.6	1395.4	1294.9	1360.1	1791.8	2372.5	2390.1	1764.5
50°	1460.0	1458.4	1494.2	1509.2	1507.6	1407.7	1465.9	1984.6	2668.4	2665.7	1996.4
52.5°	1377.7	1381.5	1450.9	1530.5	1604.8	1581.3	1656.6	2250.1	2984.7	2993.8	2214.3
55°	1141.6	1165.1	1242.1	1426.4	1621.9	1758.1	1902.3	2615.5	3401.9	3377.9	2385.8
57.5°	715.9	703.6	833.4	1100.5	1411.4	1771.5	2101.1	2982.5	3847.4	3817.0	2638.0
60°	364.9	348.8	424.7	613.8	979.8	1488.9	2105.4	3302.5	4258.2	4224.1	2892.8
62.5°	223.3	220.6	236.1	299.7	507.5	1004.3	1824.4	3495.9	4660.0	4632.7	3065.3
65°	188.0	187.5	193.4	203.5	224.9	521.4	1361.2	3401.4	4977.8	4938.3	3075.5
67.5°	166.7	166.7	179.0	183.8	149.6	224.4	835.0	3008.2	4903.6	4896.1	2861.3
70°	143.7	141.6	158.7	173.1	124.5	115.4	430.0	2416.8	4307.9	4332.5	2437.1
72.5°	108.4	110.6	128.2	147.4	102.0	81.2	196.6	1691.3	3392.3	3404.0	1915.2
75°	81.7	83.9	99.4	120.7	82.3	61.4	108.4	1098.9	2221.8	2248.5	1118.7
77.5°	62.5	63.0	78.5	99.9	63.6	47.0	73.2	610.6	1126.1	1102.1	434.9
80°	43.3	44.9	61.4	77.5	50.8	35.3	49.1	264.4	406.5	375.0	135.2
82.5°	16.0	20.8	43.3	56.1	35.8	25.1	36.3	106.3	119.1	111.7	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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	763.9	752.7	730.3	711.0	681.1	655.0	638.4	625.6	616.0	604.7	593.5
5°	772.5	746.3	691.3	629.3	565.7	508.6	461.6	418.8	391.0	387.8	374.5
7.5°	780.0	738.3	645.3	535.3	438.1	355.3	297.0	261.2	230.2	220.6	224.9
10°	780.0	724.4	584.4	433.3	316.3	231.9	189.1	165.6	157.1	153.3	150.1
12.5°	777.8	702.0	508.0	337.6	220.1	168.8	149.6	141.0	136.2	134.1	133.0
15°	774.6	674.7	432.7	252.2	168.3	144.8	135.2	128.7	124.5	122.3	120.7
17.5°	772.5	646.4	364.3	191.2	145.3	132.0	123.9	117.5	113.8	110.6	110.0
20°	766.1	613.3	298.1	157.1	132.0	120.7	112.2	106.3	102.6	98.8	98.8
22.5°	755.9	566.3	235.6	136.8	120.7	109.5	100.4	94.6	90.8	88.7	87.6
25°	743.1	519.8	187.0	125.0	110.0	97.8	89.7	83.9	80.7	79.6	78.5
27.5°	728.7	473.3	153.9	115.4	99.9	88.1	79.1	74.8	72.7	71.6	70.5
30°	716.9	431.1	133.6	107.4	90.3	78.5	70.5	66.8	65.2	64.6	63.6
32.5°	718.0	395.3	119.7	98.3	82.8	71.1	63.0	59.3	59.3	58.8	58.8
35°	737.8	372.9	110.0	90.3	74.8	63.6	56.6	53.4	54.5	54.5	54.0
37.5°	759.1	350.4	101.0	81.7	67.8	56.6	49.7	48.1	48.6	49.1	49.1
40°	786.9	333.9	93.5	73.7	60.9	50.8	44.9	43.3	43.3	43.3	42.7
42.5°	849.9	332.3	87.1	66.8	54.5	44.9	40.6	38.5	37.4	36.9	35.8
45°	938.6	344.0	82.8	60.4	48.1	40.6	36.9	34.2	31.0	29.4	28.8
47.5°	1052.9	374.5	79.1	54.5	42.2	36.9	33.1	29.4	25.1	23.0	22.4
50°	1195.6	422.0	75.3	49.7	37.9	33.1	28.8	24.0	19.8	17.6	17.6
52.5°	1329.1	478.1	71.6	45.4	33.7	30.5	24.6	19.2	15.5	13.9	13.4
55°	1449.3	541.2	67.3	40.6	30.5	26.7	20.3	15.0	11.2	9.6	9.1
57.5°	1594.1	620.8	62.0	35.8	27.2	23.0	16.0	10.7	7.5	5.3	4.8
60°	1752.2	660.8	55.0	31.5	23.5	19.2	12.3	7.5	4.3	2.1	2.1
62.5°	1803.5	641.1	46.5	27.2	20.3	15.5	9.1	4.8	1.6	0.0	0.0
65°	1710.0	549.2	39.5	24.0	17.6	11.8	6.4	2.7	0.0	0.0	0.0
67.5°	1494.7	427.4	32.6	20.8	15.0	9.6	4.3	0.5	0.0	0.0	0.0
70°	1234.0	316.8	27.2	17.1	12.8	7.5	2.7	0.0	0.0	0.0	0.0
72.5°	952.5	224.9	23.5	14.4	10.7	5.9	1.6	0.0	0.0	0.0	0.0
75°	538.0	120.7	21.4	14.4	9.6	4.8	1.1	0.0	0.0	0.0	0.0
77.5°	222.2	55.6	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	10.2	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	11.8	11.8	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)