

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: P1207771

Luminaire Tested: UPW-SA1-030-727-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-727-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 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: 2922 lumens
Efficiency: N/A
Efficacy: 85.9 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

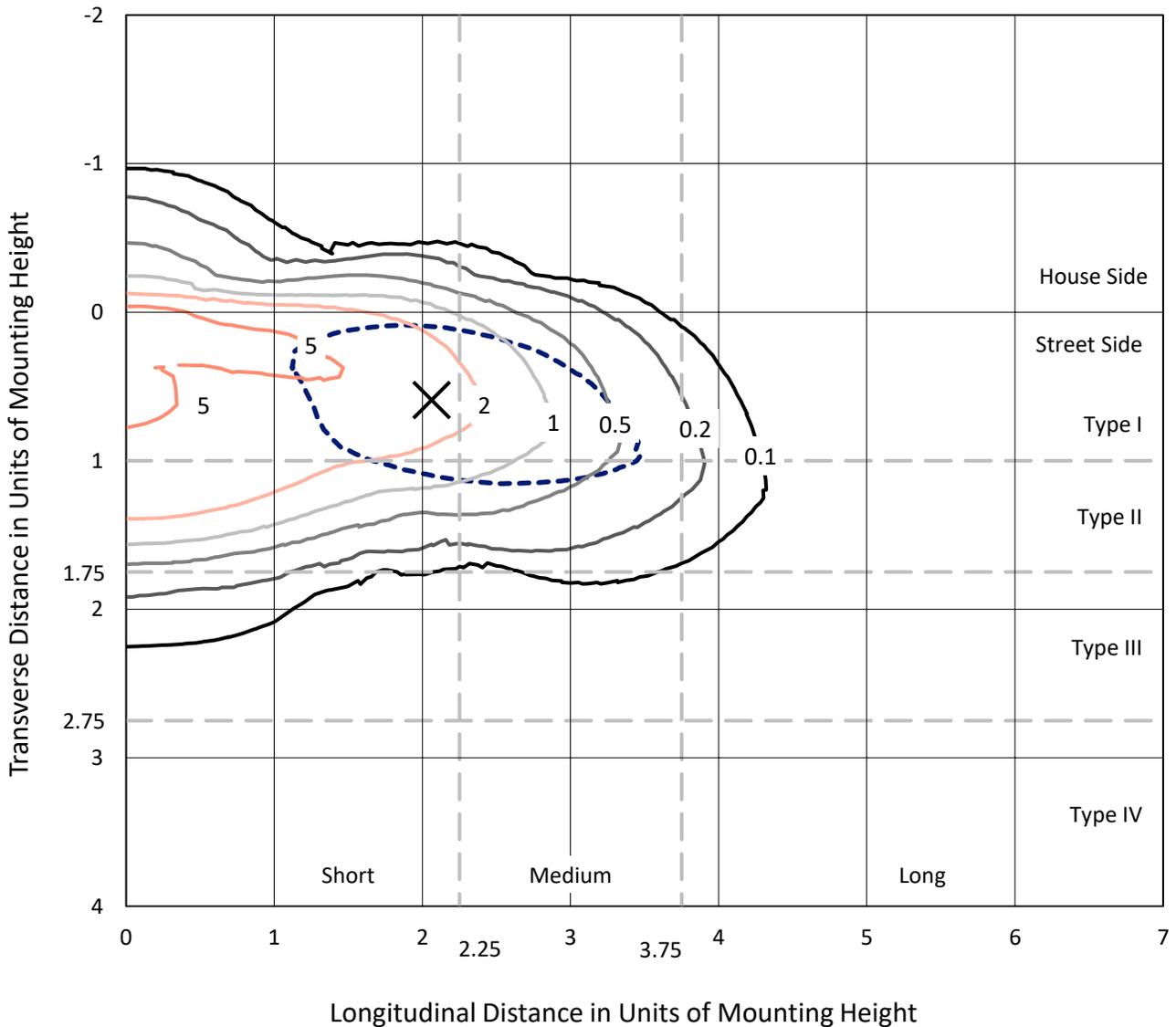
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1207771
 CATALOG NUMBER: UPW-SA1-030-727-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

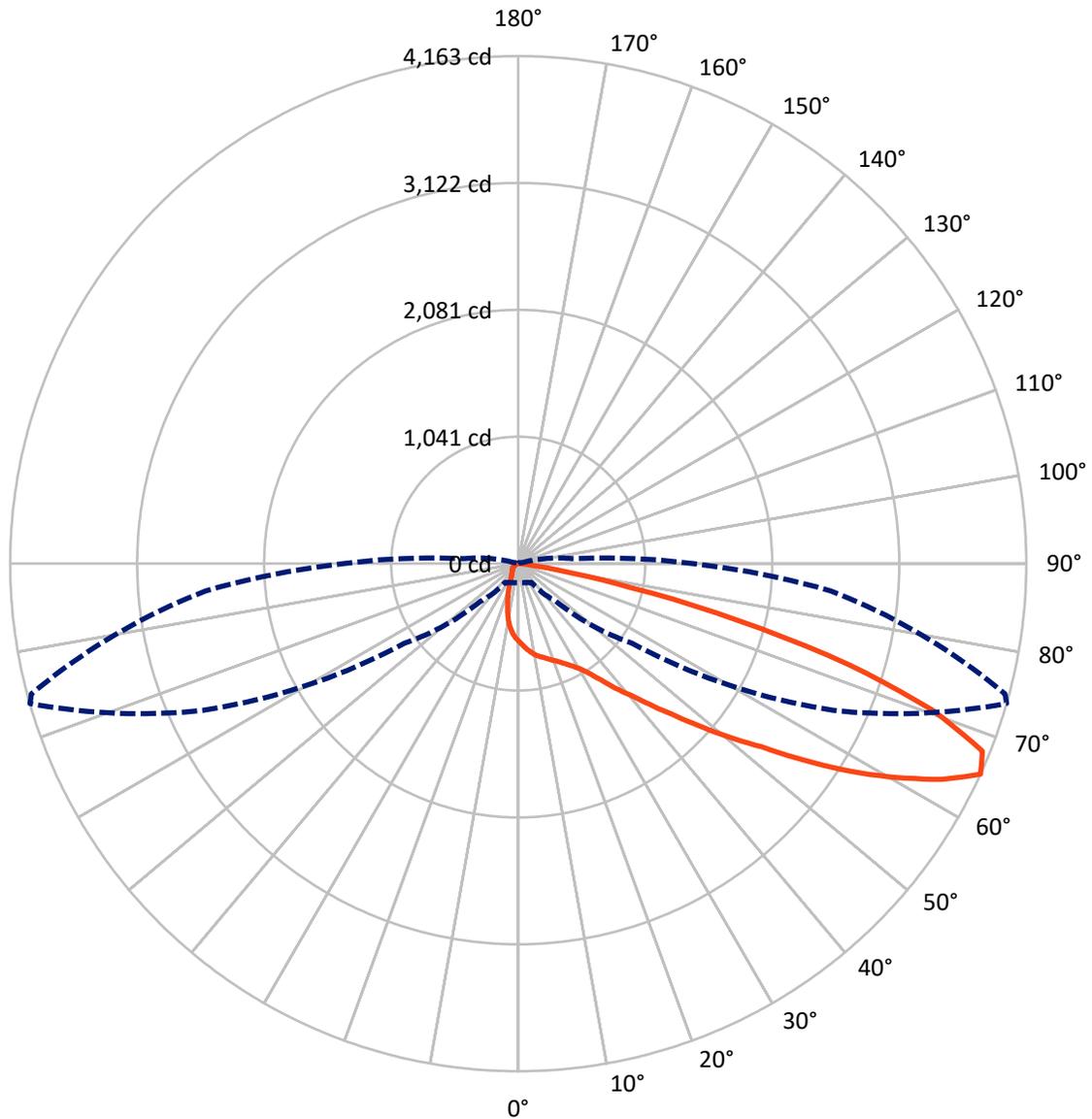
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

REPORT NUMBER: P1207771
CATALOG NUMBER: UPW-SA1-030-727-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1207771

CATALOG NUMBER: UPW-SA1-030-727-U-SL2-HSS

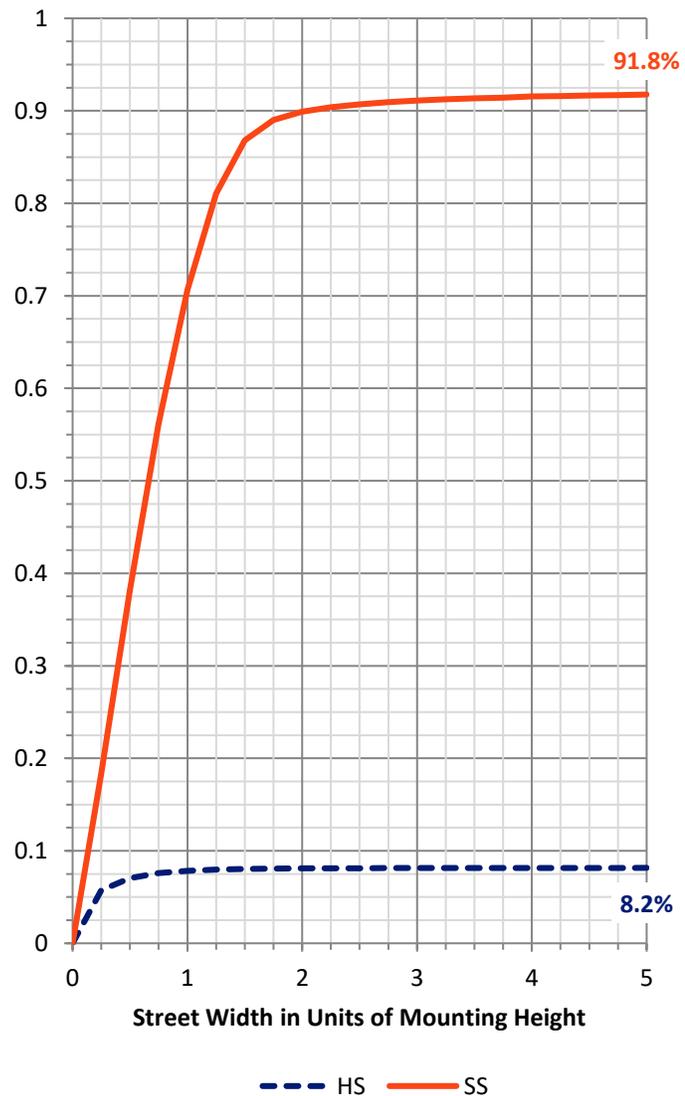
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	240.2	0.0	240.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2681.8	0.0	2681.8
	% Fixture	91.8	0.0	91.8
Total	Lumens	2922.0	0.0	2922.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.9
10°-20°	133.2	4.6
20°-30°	207.6	7.1
30°-40°	327.7	11.2
40°-50°	509.7	17.4
50°-60°	736.9	25.2
60°-70°	666.0	22.8
70°-80°	267.7	9.2
80°-90°	18.8	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°	2922.0	100.0
0°-180°	2922.0	100.0



REPORT NUMBER: P1207771

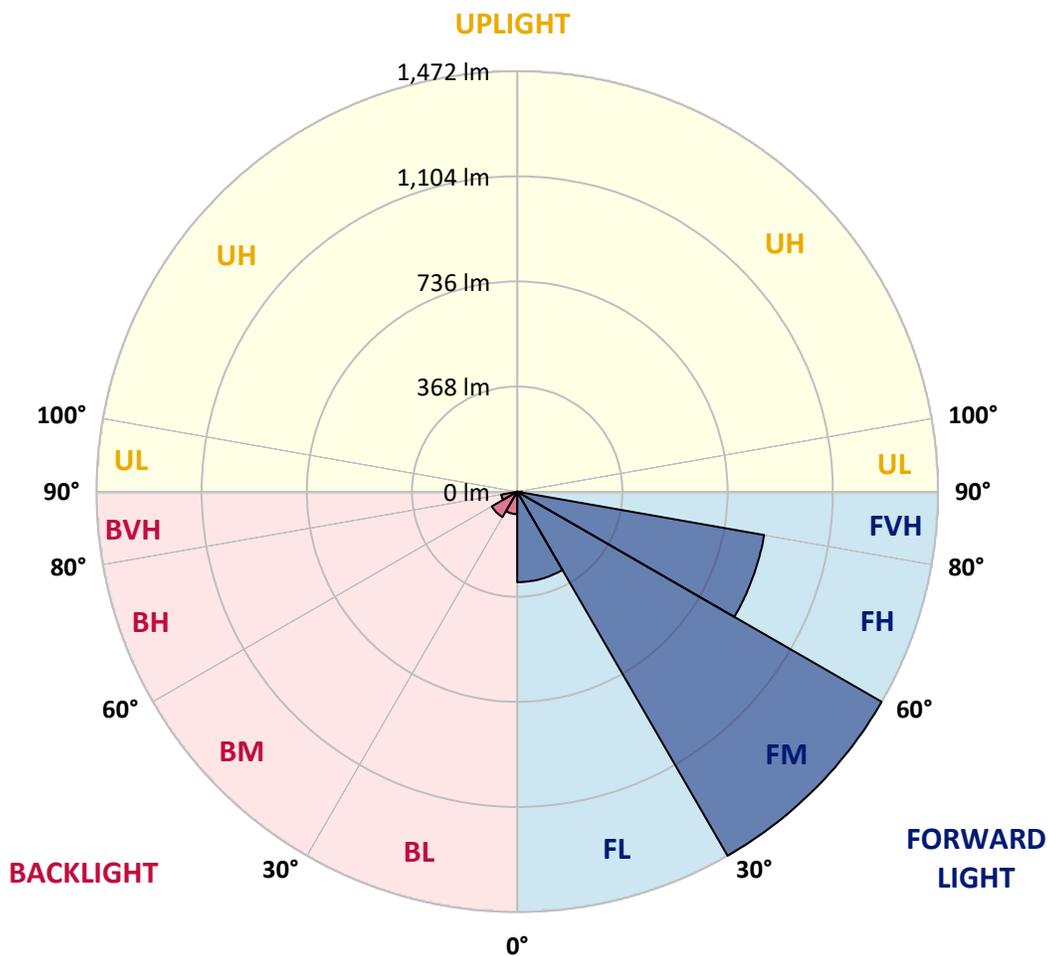
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.6	10.8			
FM	(30°-60°)	1471.6	50.4			
FH	(60°-80°)	877.0	30.0			G1/1800
FVH	(80°-90°)	16.7	0.6			G1/100
BL	(0°-30°)	78.6	2.7	B0/110		
BM	(30°-60°)	102.8	3.5	B0/220		
BH	(60°-80°)	56.8	1.9	B0/110		G0/110
BVH	(80°-90°)	2.1	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





REPORT NUMBER: P1207771

CATALOG NUMBER: UPW-SA1-030-727-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6
2.5°	718.4	715.7	717.1	711.2	710.4	704.5	691.6	678.6	666.6	663.4	648.7
5°	770.7	769.3	768.0	767.1	763.1	758.6	740.3	722.9	700.5	696.5	665.7
7.5°	784.5	783.2	785.9	790.3	793.0	790.8	777.4	760.4	732.2	727.8	683.1
10°	753.7	752.3	764.4	781.8	797.9	809.5	804.6	789.4	759.9	755.5	695.2
12.5°	685.8	684.0	703.6	739.4	777.4	810.4	820.3	810.0	782.3	777.4	705.0
15°	623.7	621.0	640.7	676.8	724.6	788.5	826.1	829.2	800.6	797.5	715.7
17.5°	590.6	591.1	603.1	633.1	679.1	748.8	819.8	847.1	825.2	821.1	727.3
20°	604.0	604.9	606.3	617.9	645.6	713.9	806.0	866.3	849.3	844.8	742.1
22.5°	642.9	645.1	641.5	635.3	638.9	688.5	791.7	887.3	877.0	872.5	752.3
25°	715.3	712.6	701.4	676.4	658.5	680.9	786.7	911.4	911.8	906.5	764.9
27.5°	801.5	794.3	780.9	741.2	697.4	693.4	785.4	937.3	952.5	944.9	779.2
30°	874.8	871.2	854.7	818.0	752.3	722.4	789.0	962.3	1000.7	996.7	797.9
32.5°	922.1	921.2	909.2	884.6	827.0	769.3	804.6	996.3	1073.6	1060.2	833.7
35°	961.9	957.9	948.5	932.4	897.5	833.2	837.7	1050.8	1171.9	1167.8	890.8
37.5°	1007.0	1002.1	990.9	970.8	946.7	908.7	890.4	1121.4	1296.9	1295.2	966.3
40°	1059.3	1056.1	1045.0	1018.2	988.2	965.5	945.3	1194.2	1418.0	1405.5	1036.0
42.5°	1110.6	1111.5	1103.1	1075.4	1034.7	1003.9	1010.6	1268.4	1575.7	1569.5	1144.6
45°	1169.2	1166.0	1161.6	1141.5	1097.7	1034.3	1073.1	1371.1	1758.9	1774.5	1302.3
47.5°	1210.3	1209.4	1218.3	1203.1	1166.9	1082.9	1137.5	1498.4	1984.1	1998.8	1475.7
50°	1221.0	1219.7	1249.6	1262.1	1260.8	1177.2	1225.9	1659.7	2231.6	2229.3	1669.5
52.5°	1152.2	1155.3	1213.4	1280.0	1342.1	1322.4	1385.4	1881.8	2496.1	2503.6	1851.8
55°	954.7	974.4	1038.7	1192.9	1356.4	1470.3	1590.9	2187.3	2845.0	2824.9	1995.2
57.5°	598.7	588.4	696.9	920.3	1180.3	1481.5	1757.1	2494.3	3217.6	3192.1	2206.1
60°	305.1	291.7	355.2	513.3	819.4	1245.1	1760.7	2761.9	3561.1	3532.5	2419.2
62.5°	186.7	184.5	197.5	250.6	424.4	839.9	1525.7	2923.6	3897.1	3874.3	2563.5
65°	157.3	156.8	161.7	170.2	188.1	436.0	1138.3	2844.5	4162.9	4129.9	2572.0
67.5°	139.4	139.4	149.7	153.7	125.1	187.6	698.3	2515.7	4100.8	4094.6	2392.9
70°	120.2	118.4	132.7	144.8	104.1	96.5	359.6	2021.1	3602.7	3623.2	2038.1
72.5°	90.7	92.5	107.2	123.3	85.3	67.9	164.4	1414.4	2836.9	2846.8	1601.6
75°	68.4	70.1	83.1	101.0	68.8	51.4	90.7	919.0	1858.1	1880.4	935.5
77.5°	52.3	52.7	65.7	83.5	53.2	39.3	61.2	510.6	941.8	921.7	363.7
80°	36.2	37.5	51.4	64.8	42.4	29.5	41.1	221.1	340.0	313.6	113.0
82.5°	13.4	17.4	36.2	46.9	29.9	21.0	30.4	88.9	99.6	93.4	41.5
85°	2.2	2.2	19.7	34.4	16.1	12.5	19.2	30.8	32.6	34.4	21.4
87.5°	0.0	0.0	2.2	7.6	2.7	1.8	5.4	7.6	15.6	17.4	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1207771

CATALOG NUMBER: UPW-SA1-030-727-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6	636.6
2.5°	638.9	629.5	610.7	594.6	569.6	547.7	533.9	523.2	515.1	505.7	496.4
5°	646.0	624.1	578.1	526.3	473.1	425.3	386.0	350.3	327.0	324.3	313.2
7.5°	652.3	617.4	539.7	447.7	366.3	297.1	248.4	218.5	192.6	184.5	188.1
10°	652.3	605.8	488.8	362.3	264.5	193.9	158.2	138.5	131.3	128.2	125.5
12.5°	650.5	587.0	424.9	282.4	184.1	141.2	125.1	117.9	113.9	112.1	111.2
15°	647.8	564.3	361.9	210.9	140.7	121.1	113.0	107.7	104.1	102.3	101.0
17.5°	646.0	540.6	304.7	159.9	121.5	110.3	103.6	98.3	95.2	92.5	92.0
20°	640.7	512.9	249.3	131.3	110.3	101.0	93.8	88.9	85.8	82.7	82.7
22.5°	632.2	473.6	197.0	114.4	101.0	91.6	84.0	79.1	75.9	74.2	73.3
25°	621.4	434.7	156.4	104.5	92.0	81.8	75.1	70.1	67.5	66.6	65.7
27.5°	609.4	395.8	128.7	96.5	83.5	73.7	66.1	62.5	60.8	59.9	59.0
30°	599.6	360.5	111.7	89.8	75.5	65.7	59.0	55.8	54.5	54.1	53.2
32.5°	600.4	330.6	100.1	82.2	69.2	59.4	52.7	49.6	49.6	49.1	49.1
35°	617.0	311.8	92.0	75.5	62.5	53.2	47.4	44.7	45.6	45.6	45.1
37.5°	634.8	293.1	84.4	68.4	56.7	47.4	41.5	40.2	40.7	41.1	41.1
40°	658.1	279.2	78.2	61.7	50.9	42.4	37.5	36.2	36.2	36.2	35.7
42.5°	710.8	277.9	72.8	55.8	45.6	37.5	34.0	32.2	31.3	30.8	29.9
45°	785.0	287.7	69.2	50.5	40.2	34.0	30.8	28.6	25.9	24.6	24.1
47.5°	880.6	313.2	66.1	45.6	35.3	30.8	27.7	24.6	21.0	19.2	18.8
50°	999.9	352.9	63.0	41.5	31.7	27.7	24.1	20.1	16.5	14.7	14.7
52.5°	1111.5	399.9	59.9	38.0	28.1	25.5	20.6	16.1	13.0	11.6	11.2
55°	1212.1	452.6	56.3	34.0	25.5	22.3	17.0	12.5	9.4	8.0	7.6
57.5°	1333.1	519.1	51.8	29.9	22.8	19.2	13.4	8.9	6.3	4.5	4.0
60°	1465.4	552.6	46.0	26.4	19.7	16.1	10.3	6.3	3.6	1.8	1.8
62.5°	1508.3	536.1	38.9	22.8	17.0	13.0	7.6	4.0	1.3	0.0	0.0
65°	1430.1	459.3	33.1	20.1	14.7	9.8	5.4	2.2	0.0	0.0	0.0
67.5°	1250.0	357.4	27.3	17.4	12.5	8.0	3.6	0.4	0.0	0.0	0.0
70°	1032.0	264.9	22.8	14.3	10.7	6.3	2.2	0.0	0.0	0.0	0.0
72.5°	796.6	188.1	19.7	12.1	8.9	4.9	1.3	0.0	0.0	0.0	0.0
75°	449.9	101.0	17.9	12.1	8.0	4.0	0.9	0.0	0.0	0.0	0.0
77.5°	185.9	46.5	15.6	12.1	8.0	4.5	1.3	0.0	0.0	0.0	0.0
80°	58.1	23.7	13.4	12.5	8.5	4.9	1.3	0.0	0.0	0.0	0.0
82.5°	27.3	18.3	13.8	11.6	7.6	4.5	1.3	0.0	0.0	0.0	0.0
85°	14.3	9.4	9.8	9.8	6.7	4.0	1.3	0.0	0.0	0.0	0.0
87.5°	4.0	0.4	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)