

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: P1207946

Luminaire Tested: UPW-SA1-030-827-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2954 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

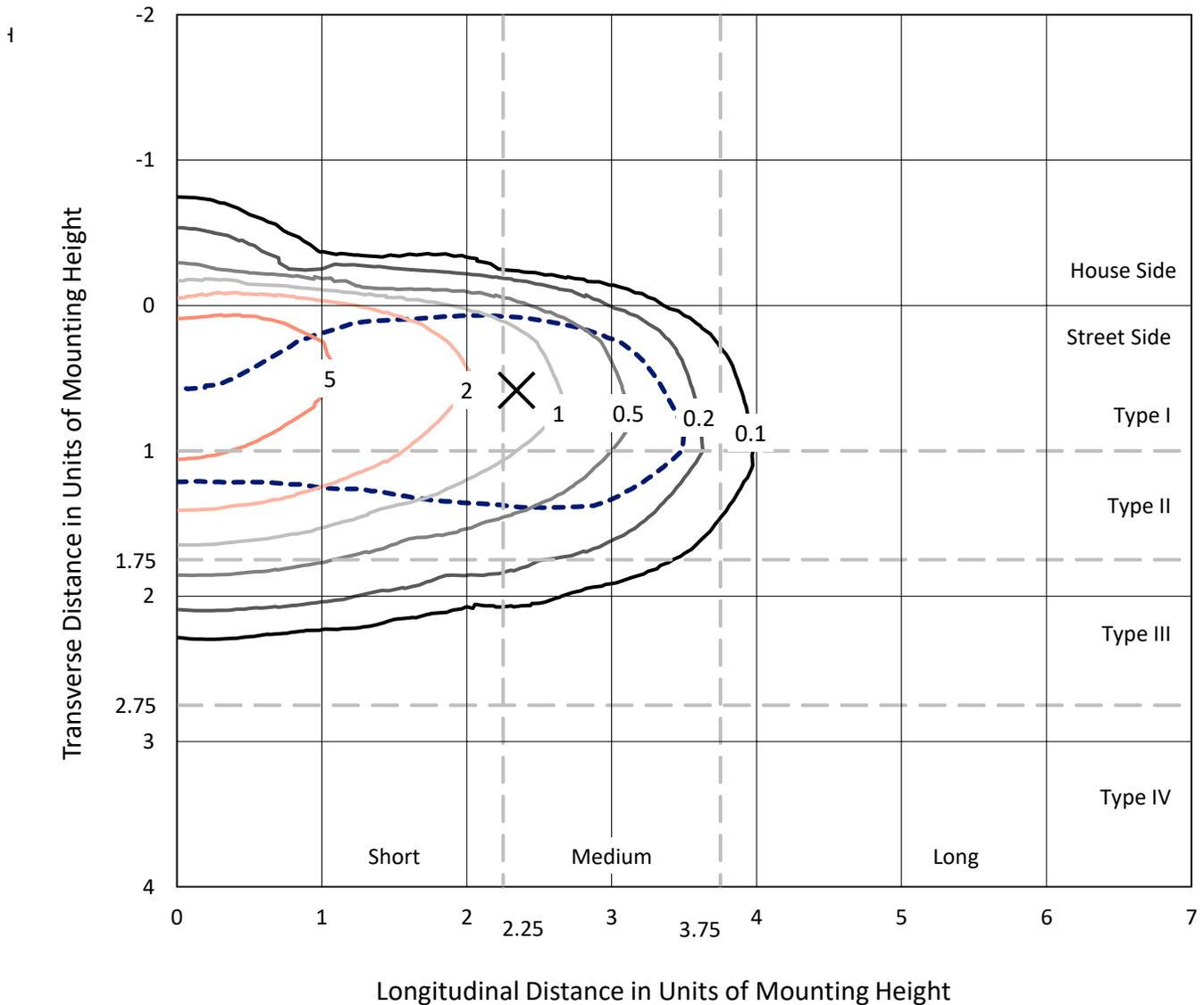
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1207946
 CATALOG NUMBER: UPW-SA1-030-827-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

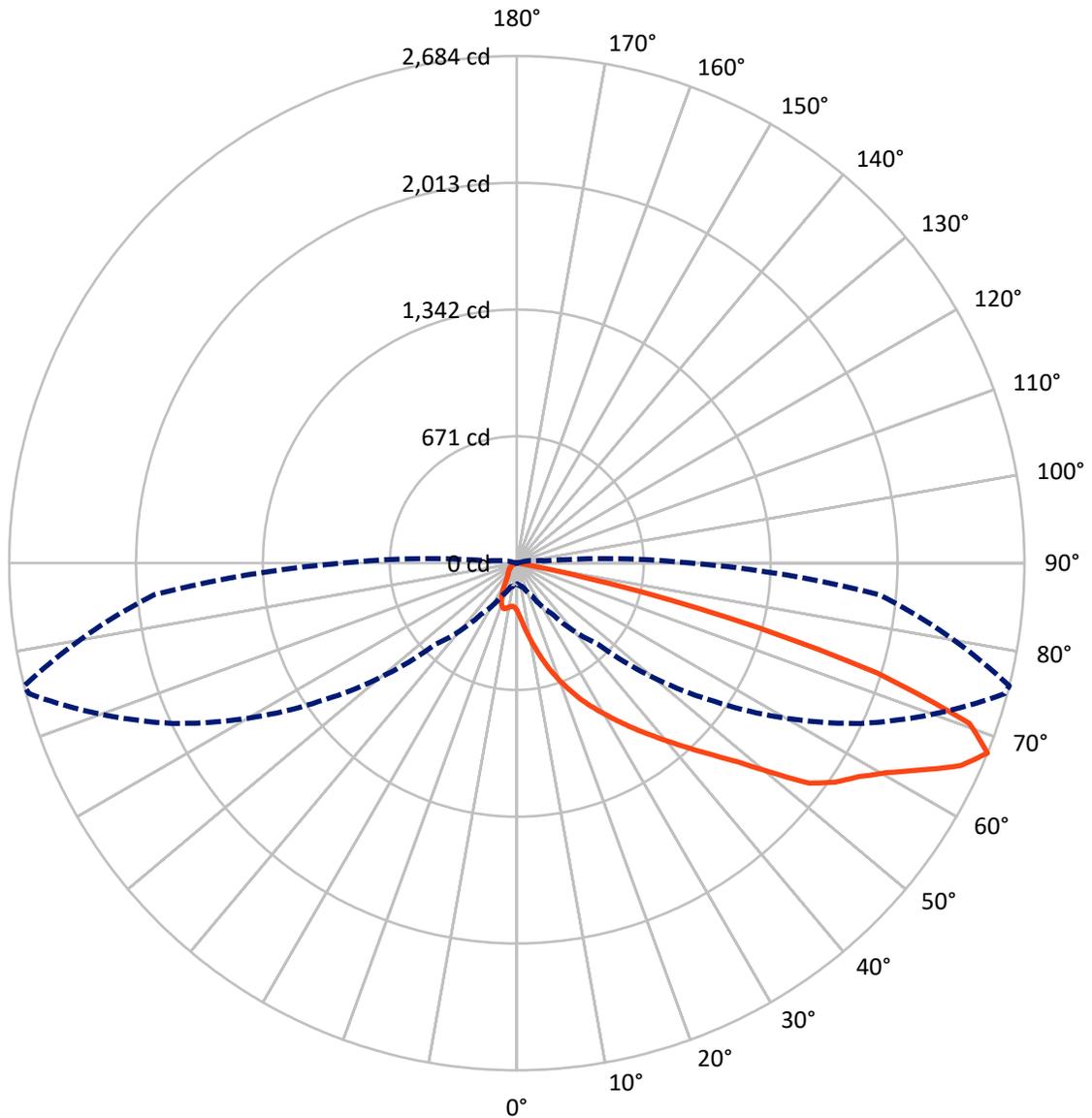
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P1207946
CATALOG NUMBER: UPW-SA1-030-827-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P1207946

CATALOG NUMBER: UPW-SA1-030-827-U-T2R-HSS

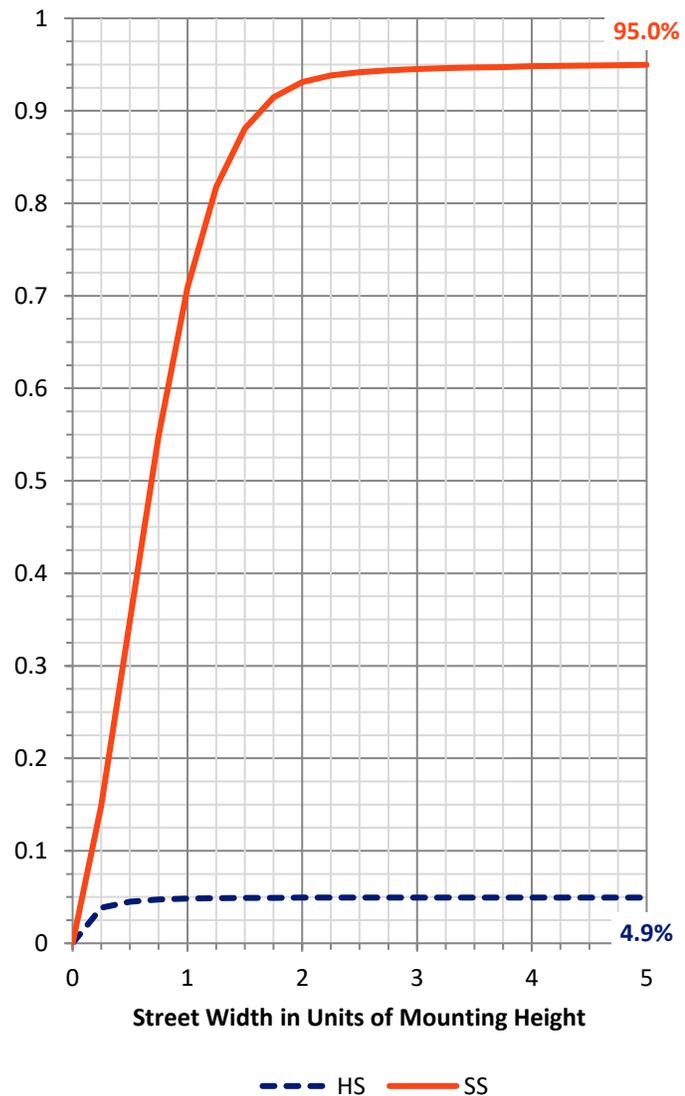
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	146.7	0.0	146.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	2807.3	0.0	2807.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	2954.0	0.0	2954.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	1.1
10°-20°	123.5	4.2
20°-30°	251.3	8.5
30°-40°	436.2	14.8
40°-50°	616.3	20.9
50°-60°	698.9	23.7
60°-70°	579.7	19.6
70°-80°	210.0	7.1
80°-90°	6.8	0.2
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°	2954.0	100.0
0°-180°	2954.0	100.0



REPORT NUMBER: P1207946

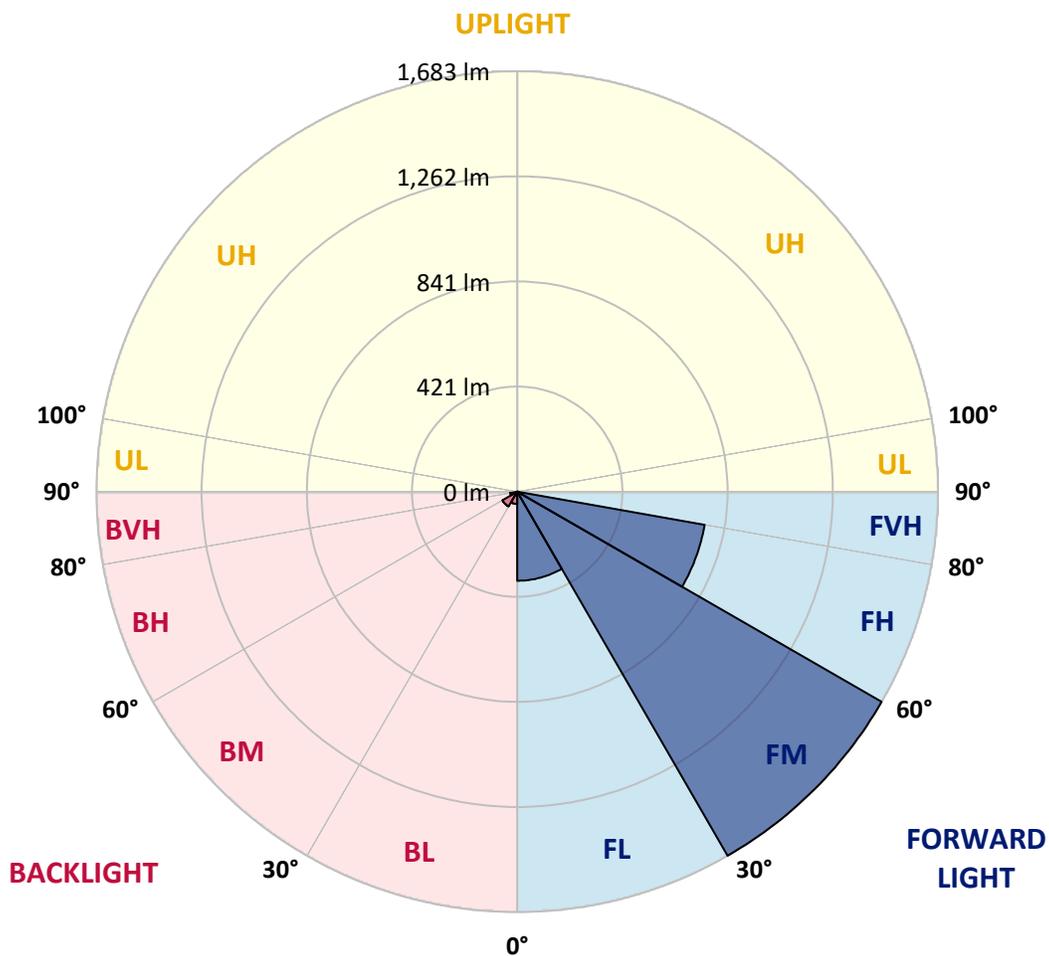
CATALOG NUMBER: UPW-SA1-030-827-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.5	12.1			
FM	(30°-60°)	1682.8	57.0			
FH	(60°-80°)	761.3	25.8			G1/1800
FVH	(80°-90°)	6.6	0.2			G0/10
BL	(0°-30°)	49.5	1.7	B0/110		
BM	(30°-60°)	68.7	2.3	B0/220		
BH	(60°-80°)	28.3	1.0	B0/110		G0/110
BVH	(80°-90°)	0.2	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 II Medium





REPORT NUMBER: P1207946

CATALOG NUMBER: UPW-SA1-030-827-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6
2.5°	374.1	365.7	367.6	362.2	352.3	332.1	314.9	298.6	279.6	278.9	263.3
5°	504.4	497.3	496.4	485.4	467.5	433.2	399.8	361.8	319.3	316.2	282.9
7.5°	622.7	617.0	614.9	601.9	568.6	535.2	491.7	435.8	369.4	363.7	309.5
10°	713.6	710.9	711.4	702.1	673.6	642.5	585.4	514.1	426.2	417.4	341.3
12.5°	782.4	783.1	787.7	782.0	766.1	743.1	682.1	597.6	489.1	477.1	377.7
15°	833.0	836.3	844.8	851.9	850.8	830.8	774.9	682.4	555.9	542.6	418.2
17.5°	865.8	869.4	881.8	897.6	912.1	907.5	864.5	764.2	623.5	608.1	461.6
20°	894.5	898.8	912.1	933.0	960.0	965.8	937.6	843.5	690.9	672.2	506.3
22.5°	956.8	956.6	964.8	977.0	1002.7	1017.7	999.9	917.2	757.6	738.0	552.0
25°	1069.4	1065.1	1062.3	1052.7	1058.4	1067.7	1057.7	986.0	824.6	804.8	598.4
27.5°	1203.2	1205.8	1182.8	1157.0	1137.1	1127.5	1111.2	1049.8	889.1	867.3	643.7
30°	1344.4	1345.2	1318.0	1285.2	1241.3	1204.9	1176.7	1110.8	955.4	931.7	687.7
32.5°	1471.8	1466.7	1439.8	1395.0	1339.6	1298.7	1240.1	1178.9	1025.5	1002.6	736.6
35°	1572.8	1566.8	1534.1	1493.3	1435.8	1394.7	1324.1	1246.8	1099.3	1076.9	785.7
37.5°	1646.5	1639.5	1605.9	1564.0	1514.4	1490.4	1421.6	1320.7	1179.8	1155.7	837.3
40°	1672.2	1666.1	1645.0	1614.3	1574.4	1569.0	1525.0	1405.8	1267.4	1241.8	895.8
42.5°	1656.9	1650.9	1643.4	1633.1	1616.5	1621.7	1622.6	1502.7	1364.8	1339.5	960.4
45°	1596.3	1591.0	1598.8	1613.9	1634.5	1660.1	1711.6	1606.9	1473.5	1446.6	1035.1
47.5°	1507.1	1503.2	1524.7	1562.5	1622.7	1693.4	1793.1	1716.4	1595.5	1570.6	1128.3
50°	1380.3	1379.6	1422.6	1491.6	1584.1	1709.4	1877.2	1840.9	1765.1	1738.8	1257.8
52.5°	1182.8	1184.1	1268.6	1379.0	1516.5	1698.6	1931.3	2000.9	1962.4	1935.0	1370.1
55°	994.7	1002.5	1062.4	1221.6	1412.6	1658.2	1949.9	2075.6	2071.2	2045.3	1432.4
57.5°	810.5	824.6	882.4	1031.1	1261.1	1565.1	1939.7	2108.0	2152.2	2132.4	1514.8
60°	610.9	617.4	683.9	822.9	1066.5	1395.3	1865.5	2125.6	2263.0	2249.3	1634.2
62.5°	388.7	404.9	463.9	598.0	830.5	1159.5	1740.5	2125.3	2401.7	2409.2	1788.4
65°	204.8	223.7	255.0	370.6	570.7	896.1	1552.4	2105.4	2571.7	2582.2	1908.9
67.5°	110.4	115.8	132.4	192.3	331.0	607.0	1276.1	2007.0	2670.2	2684.1	1925.7
70°	80.8	83.7	90.0	106.4	166.6	352.6	931.2	1784.0	2543.3	2538.1	1711.0
72.5°	62.0	66.7	71.3	77.9	95.8	188.2	579.7	1397.0	2029.3	1995.1	1278.9
75°	48.9	49.7	56.3	62.3	71.8	107.2	257.4	813.6	1238.6	1157.7	663.2
77.5°	39.1	39.6	43.5	48.7	57.7	70.4	79.7	320.1	395.4	352.8	143.9
80°	23.2	24.5	32.4	37.5	47.9	44.4	29.1	69.5	61.7	55.9	24.2
82.5°	12.9	14.0	18.3	29.6	33.4	21.2	14.5	18.8	14.5	14.1	6.9
85°	0.0	0.6	11.8	18.4	13.6	4.7	6.1	6.2	4.3	4.0	2.7
87.5°	0.0	0.0	3.6	3.5	0.5	0.8	1.4	2.1	1.7	1.7	1.4
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: P1207946

CATALOG NUMBER: UPW-SA1-030-827-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6	250.6
2.5°	255.5	248.5	235.3	222.4	211.5	202.6	194.5	191.3	188.7	188.3	186.3
5°	266.9	252.8	227.5	206.8	193.0	183.1	174.7	169.6	165.5	164.0	162.6
7.5°	284.1	262.8	226.5	202.7	186.1	169.6	154.0	137.2	126.7	122.7	120.4
10°	305.1	276.0	230.4	201.5	172.5	137.6	111.8	90.5	81.8	79.0	78.2
12.5°	329.5	292.4	237.1	194.3	143.5	97.7	77.1	69.9	68.0	67.0	67.0
15°	357.6	310.4	241.9	173.3	106.1	73.9	66.8	63.4	61.4	60.2	60.3
17.5°	386.4	328.0	239.6	142.9	78.3	65.8	60.4	56.8	54.0	52.8	52.6
20°	415.4	344.3	226.6	106.4	66.3	59.7	53.7	49.7	46.9	45.7	45.4
22.5°	445.4	358.1	203.9	78.0	59.5	52.9	47.1	43.1	40.4	39.3	38.8
25°	474.6	369.4	172.0	63.2	53.2	46.6	41.0	37.3	34.8	33.8	33.7
27.5°	501.9	376.5	135.1	55.8	47.6	40.9	35.9	32.5	30.4	29.6	29.5
30°	526.5	377.2	99.9	50.3	42.7	36.0	31.3	28.3	26.5	25.8	25.5
32.5°	551.4	371.7	72.7	45.4	38.2	31.7	27.2	24.9	23.6	22.9	22.9
35°	574.8	359.2	56.7	41.2	33.8	27.6	23.9	22.3	21.5	20.8	20.8
37.5°	597.7	341.2	48.1	37.4	29.6	24.1	21.1	20.1	19.4	18.8	18.8
40°	621.0	318.5	43.7	33.9	26.3	21.4	18.8	17.9	17.2	16.7	16.6
42.5°	649.6	292.4	40.9	30.7	23.3	18.9	16.6	15.5	15.0	14.5	14.2
45°	682.8	269.9	38.6	27.4	20.8	16.8	14.4	13.3	12.6	11.9	11.8
47.5°	730.5	253.6	35.5	23.9	18.5	14.6	12.4	11.3	10.1	9.4	9.3
50°	791.5	240.1	31.5	20.8	16.2	12.4	10.4	8.9	7.9	7.2	7.2
52.5°	821.8	222.5	27.8	18.1	13.6	10.5	8.4	6.7	6.2	5.6	5.6
55°	833.9	209.0	24.2	15.4	11.3	8.7	6.6	5.2	4.8	4.4	4.3
57.5°	868.1	205.2	21.1	13.1	9.3	6.9	5.0	3.9	3.6	3.1	3.1
60°	923.1	207.1	18.3	11.1	7.5	5.3	3.8	3.0	2.7	2.2	2.2
62.5°	982.5	204.6	15.4	9.6	5.8	3.9	2.6	2.2	2.2	1.3	1.2
65°	993.9	182.2	13.2	7.9	4.5	2.8	1.7	1.4	1.9	0.3	0.0
67.5°	922.5	141.3	11.4	6.1	3.4	2.2	1.3	0.6	1.7	0.0	0.0
70°	737.6	89.8	9.2	4.4	2.6	1.8	1.0	0.3	1.3	0.0	0.0
72.5°	521.6	52.2	7.2	3.1	2.2	1.4	0.8	0.0	0.8	0.0	0.0
75°	263.8	27.8	4.5	2.3	1.7	1.0	0.5	0.0	0.1	0.0	0.0
77.5°	57.1	12.9	2.8	1.7	1.2	0.6	0.3	0.0	0.0	0.0	0.0
80°	12.4	5.7	1.8	1.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	4.5	3.0	0.9	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	1.6	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.5	0.1	0.1	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)