

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: P1207947

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

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

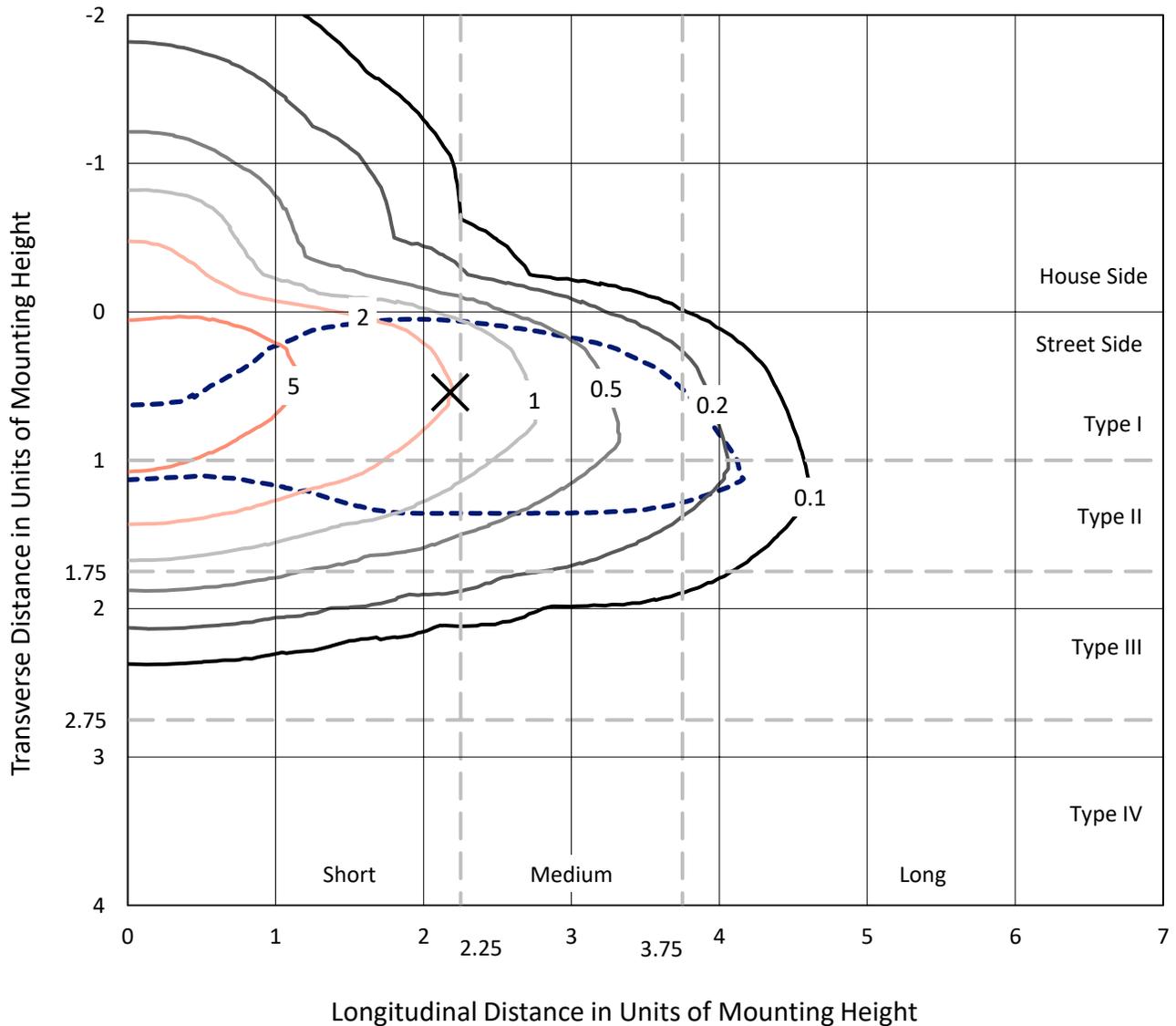


REPORT NUMBER: P1207947

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

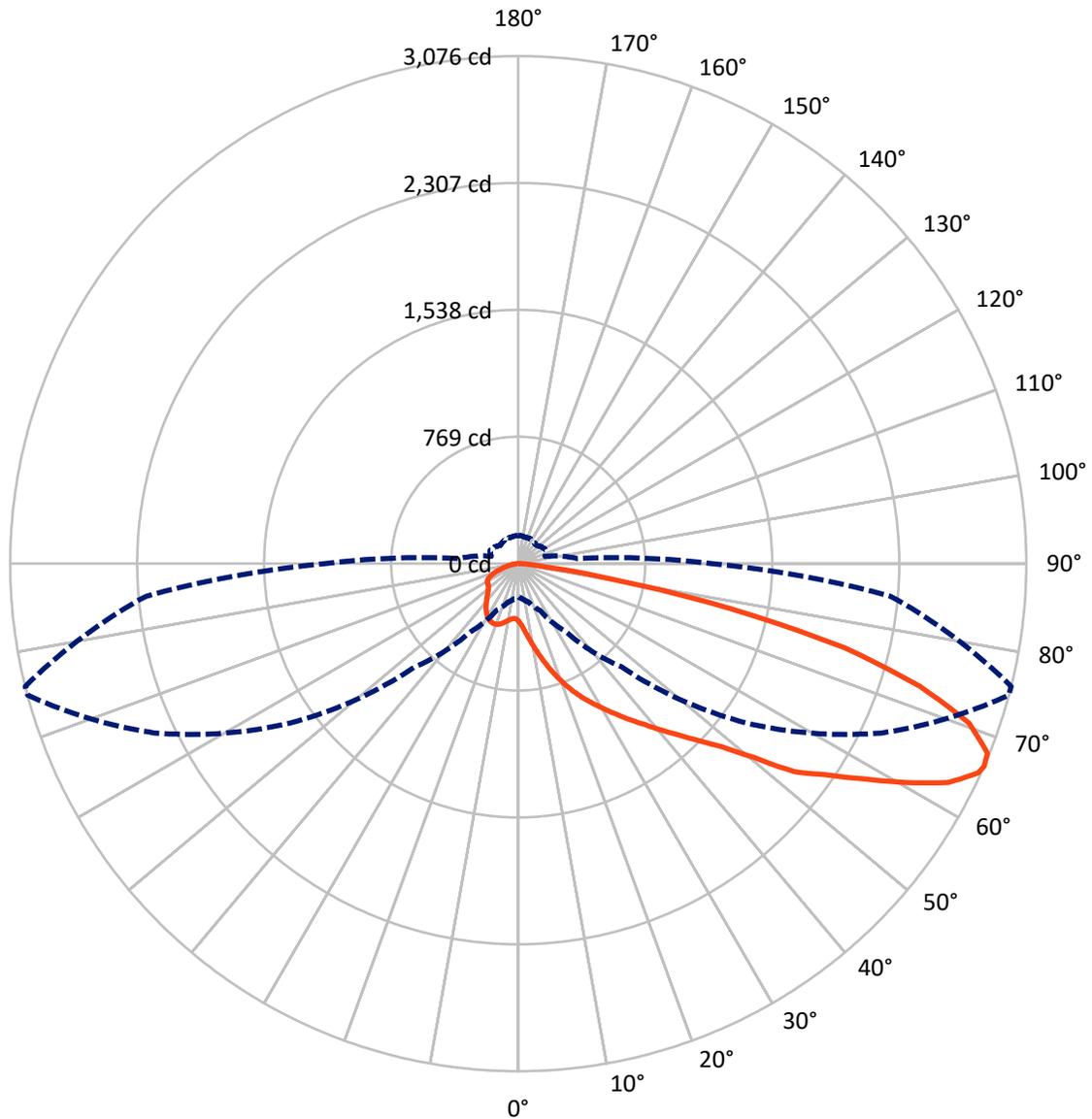


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

REPORT NUMBER: P1207947

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

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P1207947

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

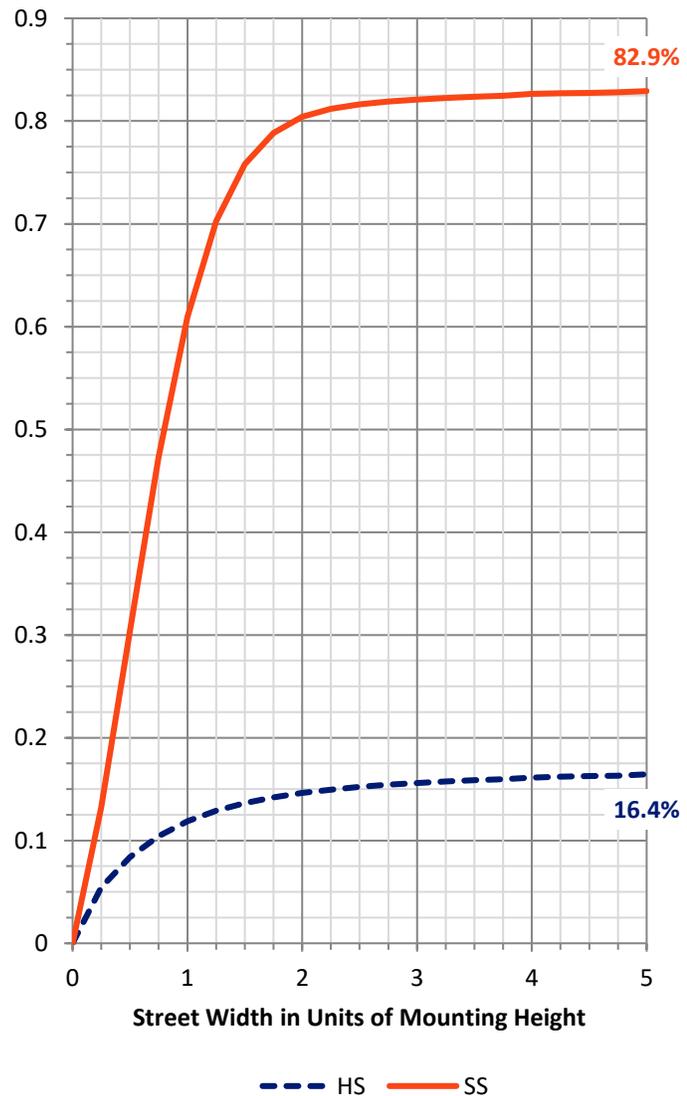
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	641.4	0.0	641.4
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	3170.6	0.0	3170.6
	% Fixture	83.2	0.0	83.2
Total	Lumens	3812.0	0.0	3812.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	1.1
10°-20°	166.2	4.4
20°-30°	323.0	8.5
30°-40°	527.3	13.8
40°-50°	720.4	18.9
50°-60°	839.1	22.0
60°-70°	752.3	19.7
70°-80°	380.2	10.0
80°-90°	61.4	1.6
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°	3812.0	100.0
0°-180°	3812.0	100.0



REPORT NUMBER: P1207947

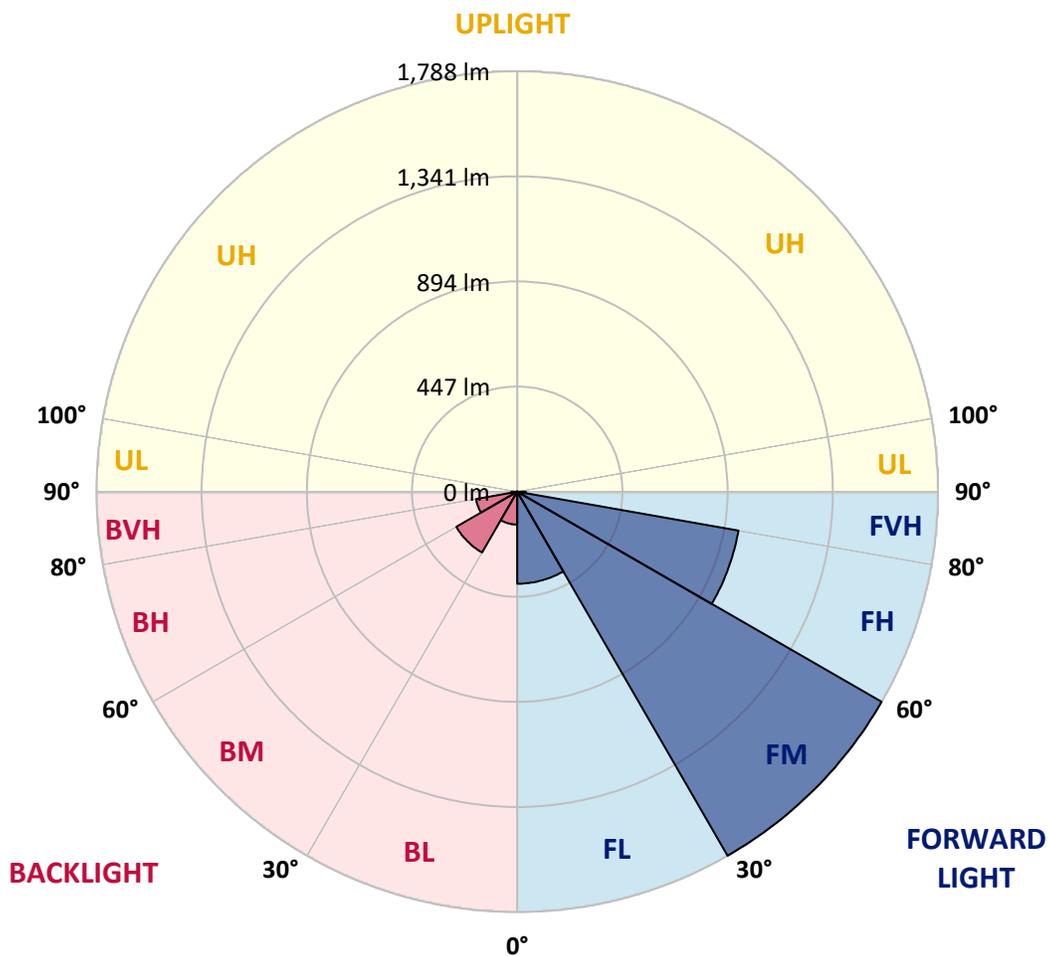
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.5	10.3			
FM	(30°-60°)	1788.1	46.9			
FH	(60°-80°)	954.7	25.0			G1/1800
FVH	(80°-90°)	36.3	1.0			G1/100
BL	(0°-30°)	139.9	3.7	B1/500		
BM	(30°-60°)	298.7	7.8	B1/1000		
BH	(60°-80°)	177.7	4.7	B1/500		G1/500
BVH	(80°-90°)	25.1	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P1207947

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1
2.5°	462.1	455.1	454.5	444.3	441.9	422.4	408.0	393.0	375.9	372.6	359.1
5°	593.6	593.0	584.0	567.3	554.3	520.9	487.9	452.9	414.6	408.4	378.1
7.5°	711.9	710.9	704.0	686.0	667.1	626.1	579.0	525.4	463.3	454.1	403.9
10°	801.7	801.3	799.0	785.8	769.7	730.4	678.4	605.3	519.9	507.3	436.1
12.5°	871.1	871.9	873.4	868.8	861.1	827.6	774.3	689.9	580.2	567.7	472.0
15°	918.1	920.4	928.4	935.0	939.0	918.4	866.8	776.5	647.7	632.8	511.7
17.5°	941.7	944.3	958.2	978.1	996.5	994.4	953.4	859.0	712.5	698.2	554.4
20°	962.2	964.1	979.7	1003.6	1036.1	1050.4	1027.4	938.5	783.6	766.5	599.7
22.5°	1021.5	1023.9	1028.6	1042.2	1070.9	1097.3	1086.2	1013.7	848.7	832.8	642.7
25°	1135.9	1138.8	1128.7	1117.2	1122.7	1141.0	1143.1	1082.3	914.7	896.7	688.9
27.5°	1273.7	1278.0	1260.7	1231.1	1205.2	1198.1	1195.6	1138.4	977.7	956.9	734.5
30°	1408.7	1416.0	1393.7	1355.2	1307.7	1274.3	1249.6	1193.4	1039.8	1019.9	777.6
32.5°	1540.5	1537.6	1505.1	1467.5	1411.9	1370.1	1310.3	1252.5	1109.7	1086.8	820.5
35°	1630.9	1631.9	1601.7	1557.2	1504.2	1472.1	1391.6	1316.1	1181.0	1159.9	869.1
37.5°	1707.7	1702.9	1668.8	1627.2	1581.6	1567.8	1486.7	1386.3	1258.3	1235.2	920.9
40°	1733.4	1727.8	1705.4	1675.5	1638.9	1637.7	1591.7	1465.7	1345.6	1322.9	979.3
42.5°	1717.8	1710.7	1701.5	1693.4	1682.1	1687.3	1690.3	1558.9	1441.7	1416.2	1046.8
45°	1660.5	1649.8	1656.2	1674.0	1698.4	1727.7	1779.3	1662.1	1549.2	1527.9	1126.2
47.5°	1572.4	1562.7	1582.9	1620.8	1687.3	1761.3	1863.6	1775.9	1677.6	1656.4	1239.1
50°	1448.4	1451.2	1480.1	1549.1	1649.6	1776.8	1967.3	1926.7	1864.2	1844.4	1393.3
52.5°	1245.0	1245.5	1326.7	1440.0	1582.9	1768.8	2024.9	2119.4	2119.0	2095.1	1540.0
55°	1056.0	1067.5	1131.8	1282.4	1474.7	1736.7	2065.2	2213.1	2286.3	2258.3	1676.8
57.5°	871.5	878.2	939.2	1090.3	1320.3	1651.2	2106.5	2325.6	2479.2	2461.4	1846.9
60°	661.6	671.9	734.9	874.6	1122.8	1499.4	2110.3	2442.9	2709.7	2691.8	2036.7
62.5°	429.4	447.3	506.3	637.1	883.9	1281.1	2020.3	2519.7	2928.1	2921.8	2205.2
65°	246.8	260.2	301.3	402.2	609.8	1007.0	1806.1	2490.2	3062.6	3058.9	2268.2
66°	201.6	210.0	241.5	314.3	503.2	884.3	1681.6	2427.9	3075.9	3076.0	2261.0
67.5°	161.2	165.0	179.1	225.0	371.3	700.9	1459.1	2290.6	3059.3	3063.9	2214.3
70°	133.4	135.4	139.8	150.9	202.7	422.7	1035.7	1933.8	2893.0	2896.5	2031.9
72.5°	119.7	120.9	122.6	124.1	143.0	236.2	632.6	1547.0	2536.5	2541.0	1754.1
75°	108.4	109.1	108.8	109.0	120.0	150.5	326.9	1155.0	2050.9	2041.9	1343.7
77.5°	95.2	95.9	94.6	94.9	106.1	115.7	162.7	808.6	1384.1	1320.1	757.1
80°	80.5	81.0	80.5	81.4	92.4	87.4	94.6	454.9	612.0	578.9	269.2
82.5°	60.8	63.0	64.6	68.2	76.1	62.1	63.3	177.2	186.4	177.4	82.6
85°	26.7	32.5	48.7	52.2	57.2	37.3	41.5	72.2	75.8	73.5	30.0
87.5°	7.0	7.6	24.1	30.3	31.7	16.8	21.6	32.9	34.7	32.9	10.0
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: P1207947

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1	348.1
2.5°	352.0	345.7	334.3	324.2	316.5	311.4	306.2	303.6	302.1	300.5	300.8
5°	363.3	350.5	330.9	317.1	309.3	304.4	301.8	300.8	300.1	298.6	298.6
7.5°	380.2	362.1	335.2	320.9	314.9	311.1	309.6	309.0	308.3	306.5	306.7
10°	401.6	376.2	344.1	330.3	324.7	320.6	318.4	317.6	316.2	314.1	314.3
12.5°	426.7	393.7	355.9	341.4	334.7	329.1	325.5	323.3	320.8	318.1	318.2
15°	454.1	412.7	368.6	351.4	342.2	334.4	328.6	324.8	320.9	317.6	317.5
17.5°	481.9	431.1	378.3	356.8	344.4	334.1	326.3	320.4	315.6	311.5	311.1
20°	512.0	447.6	383.7	356.3	340.2	328.1	317.6	310.3	305.0	300.9	300.2
22.5°	542.5	463.2	384.6	351.0	331.0	316.2	305.2	297.1	291.7	287.4	285.9
25°	570.5	475.2	380.9	340.7	318.2	302.2	291.4	283.3	278.9	273.8	272.3
27.5°	595.9	483.6	373.4	327.7	303.9	288.1	278.0	271.0	266.2	262.3	261.0
30°	618.9	488.1	361.1	312.1	289.1	274.7	266.2	261.4	257.3	252.4	251.4
32.5°	640.6	488.1	345.3	295.2	274.5	263.0	257.9	254.9	250.3	245.5	244.2
35°	662.3	485.2	326.6	277.5	261.0	254.6	254.3	250.8	243.7	237.2	235.5
37.5°	685.2	479.1	305.7	260.9	250.0	250.8	253.0	245.2	235.1	226.0	223.5
40°	711.1	470.7	283.9	246.5	240.8	249.1	249.5	237.2	217.5	209.1	206.9
42.5°	741.5	462.3	263.7	233.8	233.6	244.1	242.9	219.9	208.1	203.8	202.7
45°	781.5	457.5	244.6	221.8	227.9	235.9	231.6	210.3	205.4	202.9	201.9
47.5°	844.6	459.9	227.0	212.2	222.2	227.8	210.7	206.4	202.9	199.9	198.9
50°	923.5	458.5	212.8	205.6	215.7	219.2	201.2	201.4	199.6	196.2	194.6
52.5°	982.9	447.4	203.6	201.9	210.0	204.1	195.3	196.4	195.5	190.6	188.9
55°	1040.2	437.8	198.9	200.5	205.9	185.2	188.3	191.1	190.2	185.4	184.7
57.5°	1111.5	436.0	196.1	200.8	202.4	175.7	181.6	185.3	184.7	182.6	182.2
60°	1198.9	436.5	193.5	201.5	198.5	168.8	175.2	180.0	180.4	180.0	179.8
62.5°	1246.9	422.4	187.0	199.7	191.7	162.7	168.6	175.6	175.7	176.5	176.4
65°	1206.1	380.2	175.0	193.3	180.1	157.6	162.9	170.6	168.6	172.1	172.1
66°	1166.5	355.9	169.0	189.2	175.2	155.7	161.1	168.0	165.5	170.3	170.3
67.5°	1085.6	314.9	158.3	180.4	168.2	153.0	159.0	163.7	160.3	167.5	166.9
70°	937.9	243.6	136.7	160.5	156.7	149.0	156.2	155.2	150.2	161.1	159.0
72.5°	790.7	185.1	109.7	134.3	139.2	143.9	152.2	144.3	138.1	145.7	141.2
75°	613.5	139.1	86.7	104.4	117.6	136.0	147.4	131.7	122.8	122.0	119.6
77.5°	331.7	95.5	68.7	79.7	93.4	126.2	144.2	118.3	104.8	101.7	99.8
80°	131.4	62.1	50.0	60.4	65.4	111.9	136.4	102.6	86.4	83.3	80.4
82.5°	54.2	36.8	32.2	40.5	42.6	95.8	122.4	84.1	66.8	92.4	98.1
85°	23.3	20.2	19.2	21.0	24.1	67.2	97.4	64.2	72.1	64.3	51.1
87.5°	7.0	8.5	8.2	8.0	8.8	16.0	51.9	35.7	52.9	20.1	15.0
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)