

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: P1207950

Luminaire Tested: UPW-SA1-030-827-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2814 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B0 - U0 - G1

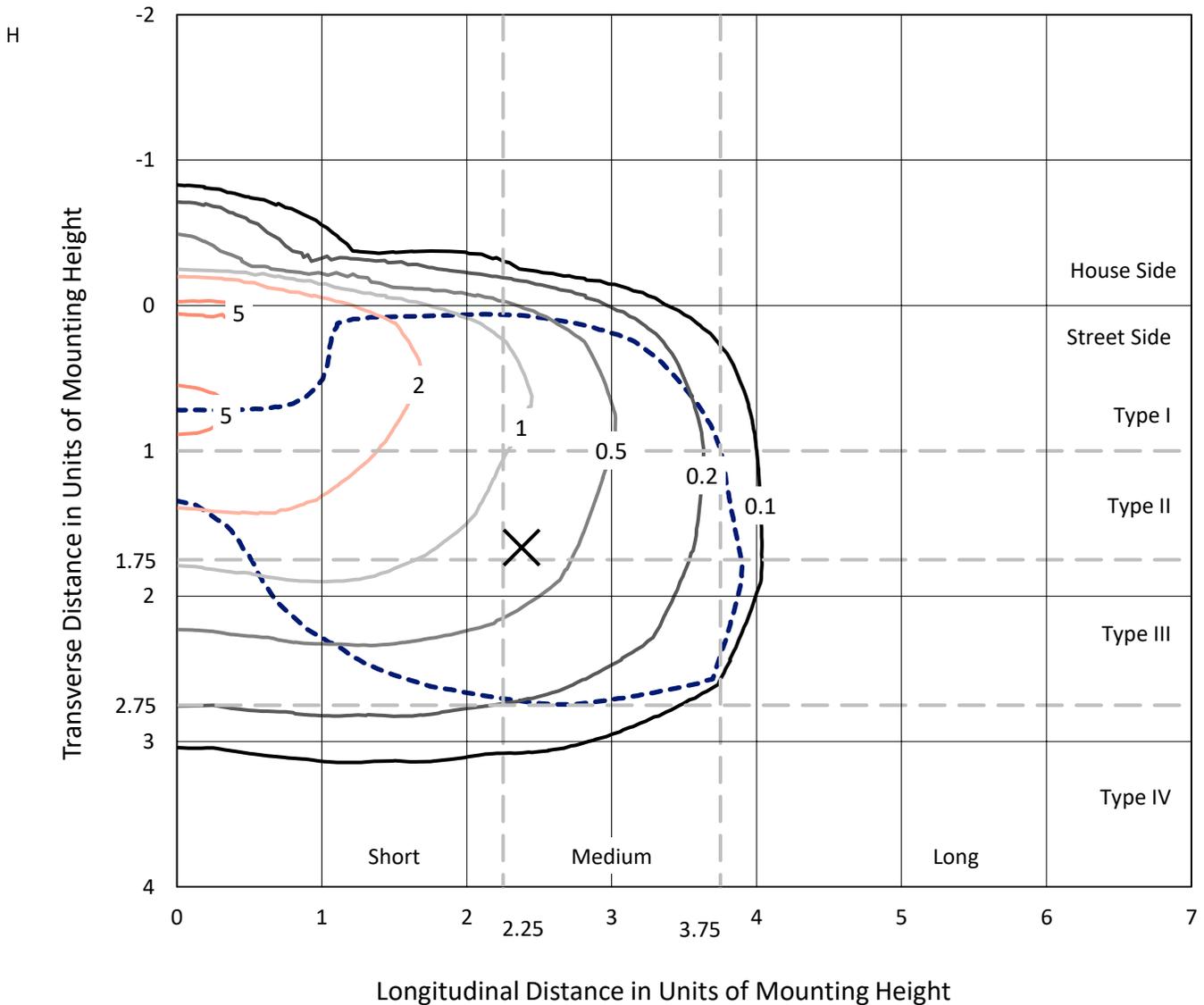
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

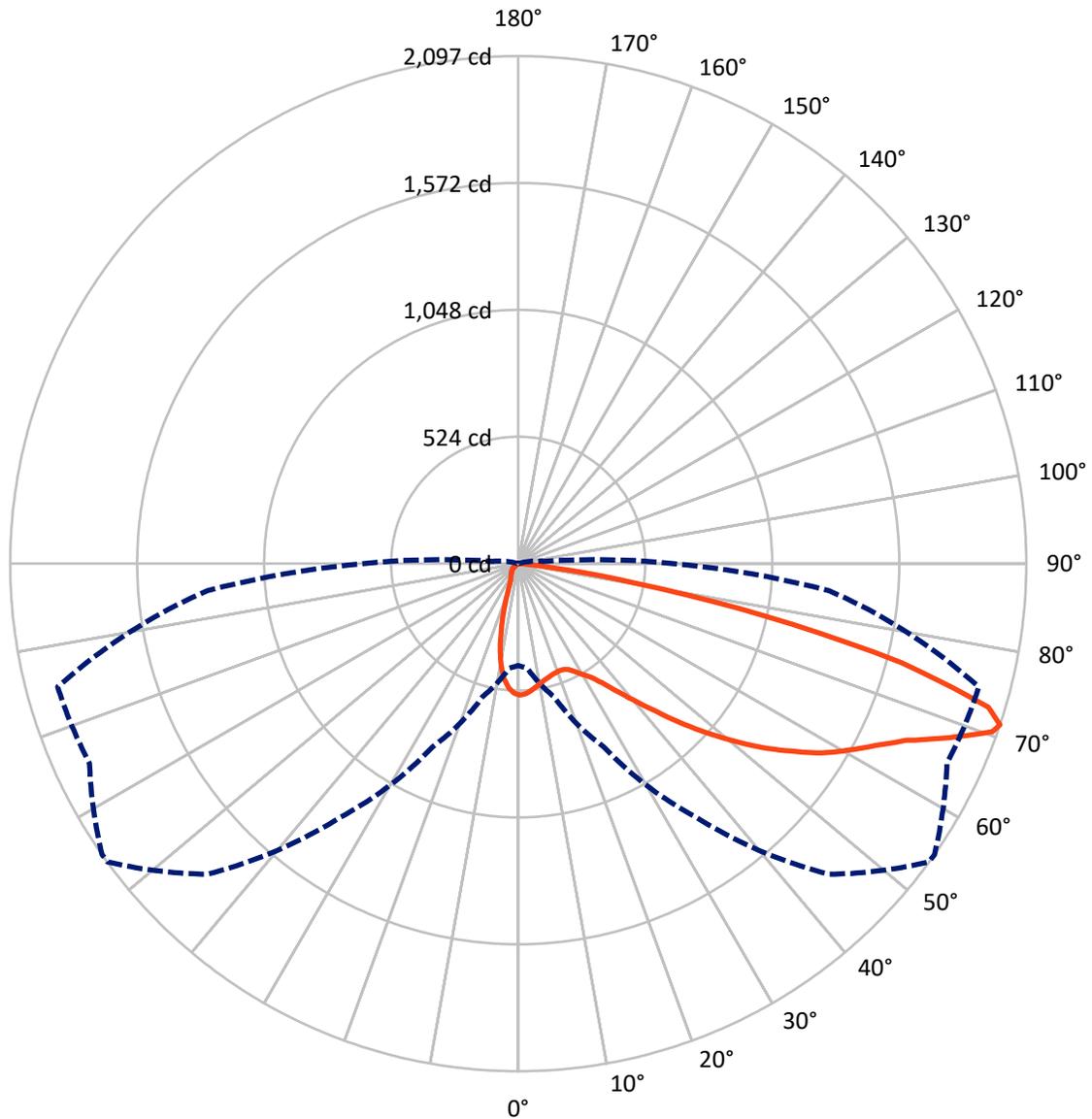
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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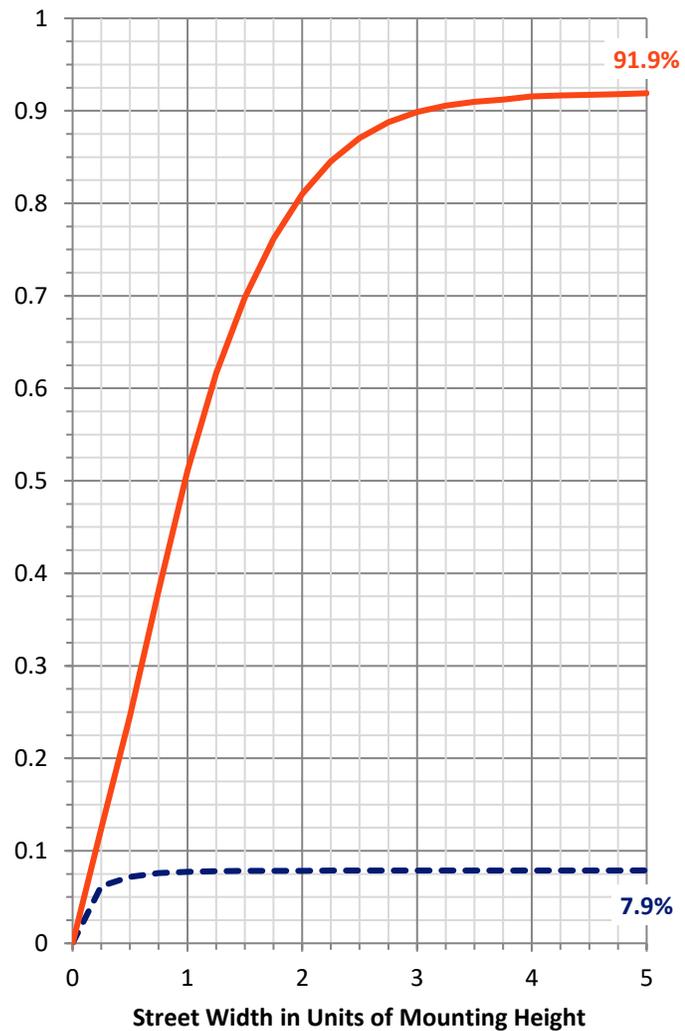
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.8	0.0	222.8
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	2591.2	0.0	2591.2
	% Fixture	92.1	0.0	92.1
Total	Lumens	2814.0	0.0	2814.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.6
10°-20°	104.5	3.7
20°-30°	167.9	6.0
30°-40°	285.2	10.1
40°-50°	442.7	15.7
50°-60°	595.2	21.2
60°-70°	728.1	25.9
70°-80°	425.7	15.1
80°-90°	18.4	0.7
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°	2814.0	100.0
0°-180°	2814.0	100.0



--- HS — SS

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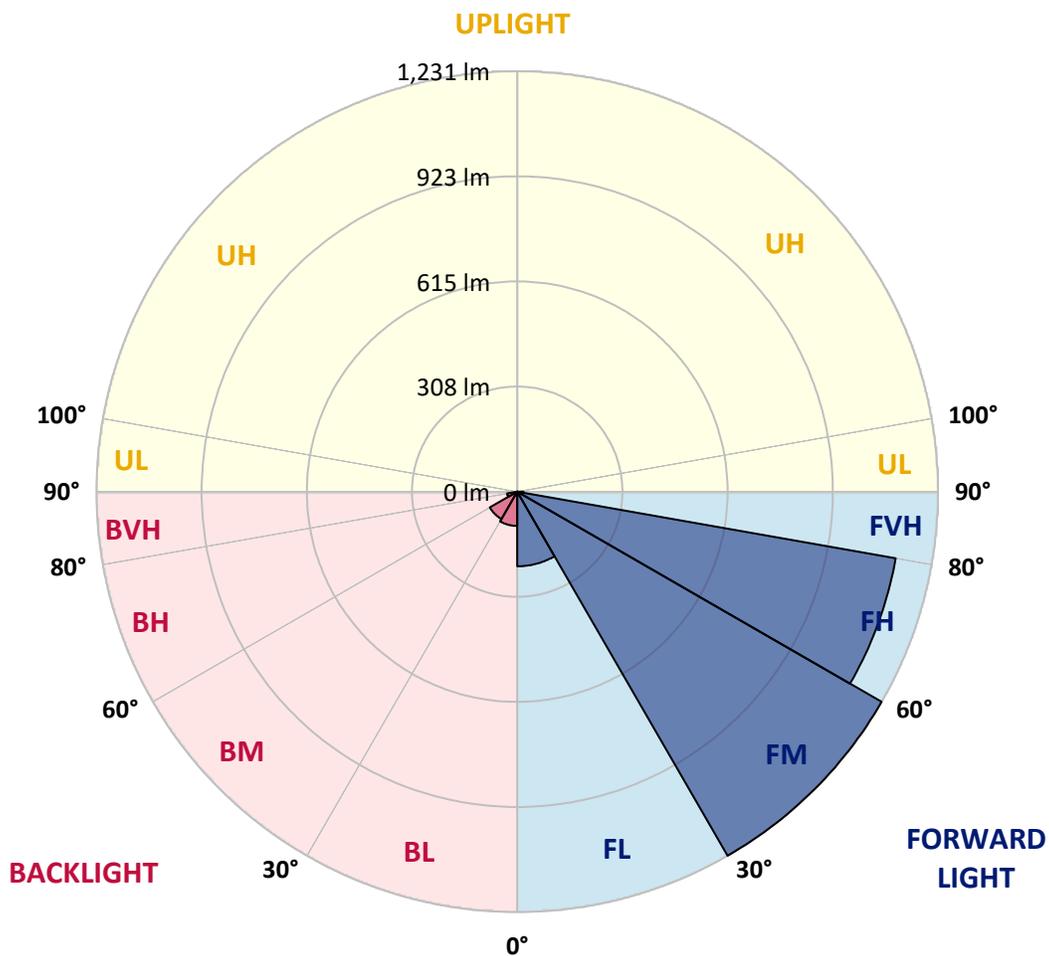
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.3	7.8			
FM	(30°-60°)	1230.8	43.7			
FH	(60°-80°)	1124.0	39.9			G1/1800
FVH	(80°-90°)	18.1	0.6			G1/100
BL	(0°-30°)	100.3	3.6	B0/110		
BM	(30°-60°)	92.4	3.3	B0/220		
BH	(60°-80°)	29.8	1.1	B0/110		G0/110
BVH	(80°-90°)	0.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7
2.5°	526.8	527.4	529.7	530.7	533.1	537.1	539.2	539.3	542.6	543.8	544.8
5°	489.5	493.3	497.1	501.1	508.4	518.2	527.8	528.7	539.3	547.1	551.3
7.5°	457.4	460.8	465.4	471.8	482.2	497.5	513.5	515.4	535.5	553.3	562.7
10°	424.4	427.2	433.8	443.2	457.5	478.0	499.6	502.8	532.1	561.6	578.1
12.5°	389.2	390.8	398.8	412.4	433.4	459.4	487.9	492.0	529.9	571.2	596.3
15°	362.4	363.1	370.7	384.9	408.9	442.7	478.8	483.8	530.4	582.7	616.1
17.5°	355.6	355.9	360.0	369.7	390.9	427.8	471.6	477.7	531.9	594.0	636.1
20°	383.2	380.6	376.4	374.9	384.0	418.9	467.3	474.2	534.0	604.0	654.0
22.5°	459.2	451.3	434.0	410.9	396.9	419.5	468.4	475.3	540.4	616.2	674.7
25°	571.9	561.0	531.6	486.1	442.4	437.7	477.9	484.9	552.9	630.9	694.6
27.5°	700.1	689.4	653.4	588.4	513.9	473.7	499.6	506.2	571.5	643.9	709.7
30°	822.9	819.9	777.5	703.7	603.8	532.1	527.7	533.2	585.3	651.7	721.7
32.5°	927.1	922.3	888.1	816.4	706.8	602.2	560.6	562.3	595.6	661.8	737.4
35°	1023.6	1017.7	987.7	919.9	812.5	687.9	611.4	609.0	618.2	682.2	760.1
37.5°	1107.9	1113.3	1080.1	1015.5	907.2	777.0	679.9	672.7	653.6	715.3	793.1
40°	1178.4	1178.4	1161.1	1107.2	1009.6	869.1	757.4	747.9	706.8	766.3	834.9
42.5°	1203.8	1209.2	1215.7	1185.2	1101.2	964.8	843.7	833.8	781.8	838.7	887.8
45°	1205.3	1213.9	1246.9	1246.7	1183.9	1060.0	941.0	936.3	877.8	931.7	953.2
47.5°	1183.9	1194.7	1249.0	1279.8	1249.5	1148.6	1047.3	1041.5	990.6	1045.7	1021.7
50°	1151.0	1162.8	1226.0	1292.9	1294.1	1225.6	1159.4	1150.7	1114.8	1176.0	1092.5
52.5°	1092.0	1114.9	1205.4	1295.9	1323.4	1292.2	1266.1	1262.3	1253.8	1301.4	1148.8
55°	965.7	991.2	1153.7	1296.9	1350.6	1351.2	1366.0	1367.0	1384.1	1418.7	1190.8
57.5°	906.1	920.5	1063.5	1301.7	1390.9	1418.2	1467.9	1475.7	1502.1	1530.0	1238.6
60°	868.6	885.6	1019.0	1295.1	1454.2	1506.0	1562.2	1564.9	1593.2	1644.9	1303.5
62.5°	838.6	855.4	991.0	1269.9	1525.3	1611.6	1654.5	1654.7	1676.0	1781.7	1377.1
65°	764.7	778.8	934.3	1241.4	1572.3	1716.1	1761.6	1760.0	1777.3	1926.0	1462.7
67.5°	657.8	668.7	818.4	1133.6	1554.7	1811.2	1923.4	1917.9	1897.0	2050.7	1496.3
70°	508.6	512.5	645.0	944.7	1388.9	1847.7	2079.7	2076.9	1970.4	2028.4	1373.1
71°	420.4	433.3	568.5	833.8	1277.8	1813.9	2094.8	2096.5	1951.9	1967.5	1288.3
72.5°	244.1	255.1	412.0	640.4	1084.9	1673.2	2016.2	2028.1	1865.7	1789.6	1100.4
75°	52.3	56.0	152.8	309.9	596.8	1172.7	1591.4	1633.8	1520.7	1217.4	663.2
77.5°	36.4	39.3	65.5	140.6	197.2	579.5	988.6	1036.4	908.5	457.5	212.3
80°	28.8	32.1	51.0	69.5	53.3	186.9	463.1	492.3	303.0	102.1	35.8
82.5°	16.0	19.1	39.8	37.5	20.5	35.5	129.6	146.6	60.6	20.6	8.5
85°	4.7	5.7	25.6	27.3	8.7	6.8	22.1	27.4	11.5	5.4	3.8
87.5°	0.0	0.0	12.4	10.5	2.5	1.0	2.0	2.3	2.3	2.3	2.5
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°	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7	542.7
2.5°	544.8	545.7	542.6	538.4	534.0	528.5	522.9	518.4	518.3	516.2	514.0
5°	551.5	551.0	542.3	529.0	513.4	497.1	481.5	464.0	458.2	451.0	448.6
7.5°	563.9	560.4	541.9	512.9	478.5	444.4	409.1	373.6	358.5	344.8	342.4
10°	579.5	572.8	539.5	488.6	425.6	362.6	309.4	261.2	239.9	223.6	222.9
12.5°	595.6	585.4	532.8	452.0	356.2	267.7	206.5	159.0	141.3	129.9	130.9
15°	612.6	597.3	518.4	402.6	277.2	181.7	126.9	98.9	91.9	89.0	89.7
17.5°	629.9	605.5	498.3	343.1	199.3	117.3	87.8	80.0	80.0	80.6	80.9
20°	644.9	609.9	468.8	276.3	135.1	85.4	76.8	75.7	76.3	77.3	77.5
22.5°	659.8	610.2	430.2	208.7	94.5	74.8	73.2	72.7	73.0	74.2	74.3
25°	672.0	607.1	382.0	148.5	75.4	70.5	69.7	69.5	69.7	71.1	71.1
27.5°	676.9	596.1	323.1	104.4	67.6	65.7	65.5	65.7	66.1	67.1	67.2
30°	677.4	576.9	258.9	75.6	61.3	59.3	59.8	60.6	60.3	60.0	60.3
32.5°	678.6	554.7	196.4	62.2	56.0	52.8	52.2	52.2	50.7	49.8	49.3
35°	682.8	528.5	142.4	55.8	50.5	46.9	44.5	41.7	38.8	37.3	36.9
37.5°	689.4	501.1	102.0	51.7	45.7	41.6	37.0	32.1	27.9	26.8	26.8
40°	701.4	472.8	75.4	48.4	41.9	36.8	29.9	23.5	19.7	19.1	19.1
42.5°	720.3	443.0	60.1	45.5	38.7	31.8	22.9	17.1	14.3	13.9	13.8
45°	740.1	410.1	52.6	42.7	35.1	26.2	16.9	12.6	11.0	10.6	10.6
47.5°	759.8	375.1	48.9	40.1	31.7	20.3	12.6	10.0	9.2	9.2	9.4
50°	776.4	338.6	46.2	37.1	27.3	15.4	10.0	8.5	8.2	8.7	8.8
52.5°	780.6	302.7	43.0	33.5	21.9	11.8	8.2	7.5	7.5	7.5	7.5
55°	778.1	274.9	38.7	28.9	16.2	9.4	7.1	6.6	6.4	6.4	6.4
57.5°	786.7	258.5	31.0	22.5	11.6	7.6	6.2	5.8	5.6	5.4	5.4
60°	804.0	247.8	22.1	16.2	8.7	6.3	5.3	4.9	4.5	4.3	4.3
62.5°	827.0	238.4	16.4	12.0	6.7	5.1	4.4	4.0	3.5	3.3	3.3
65°	844.7	221.8	12.5	9.0	5.1	4.0	3.4	3.3	2.5	2.3	2.1
67.5°	817.6	185.1	10.1	6.6	3.8	3.2	2.7	2.5	1.5	1.3	1.3
70°	701.3	128.9	8.1	4.8	2.8	2.5	2.1	1.6	1.1	1.0	1.0
71°	635.9	107.7	7.3	4.0	2.4	2.4	2.0	1.4	1.0	0.9	0.9
72.5°	528.3	76.4	6.2	3.2	2.1	2.5	2.1	1.3	1.0	0.9	0.8
75°	306.7	32.0	4.3	2.1	1.6	3.0	2.8	1.1	0.8	0.6	0.6
77.5°	92.2	11.8	2.4	1.4	1.3	2.7	3.2	1.0	0.4	0.1	0.1
80°	16.8	5.1	1.5	0.9	0.9	1.6	2.4	0.5	0.0	0.0	0.0
82.5°	5.9	2.5	0.9	0.5	0.4	0.8	1.1	0.0	0.0	0.0	0.0
85°	3.4	1.8	0.5	0.3	0.0	0.1	0.3	0.0	0.0	0.0	0.0
87.5°	2.3	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)