

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: P1207892

Luminaire Tested: UPW-SA1-030-750-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207892
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-SA1-030-750-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 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: 4017 lumens
Efficiency: N/A
Efficacy: 118.1 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

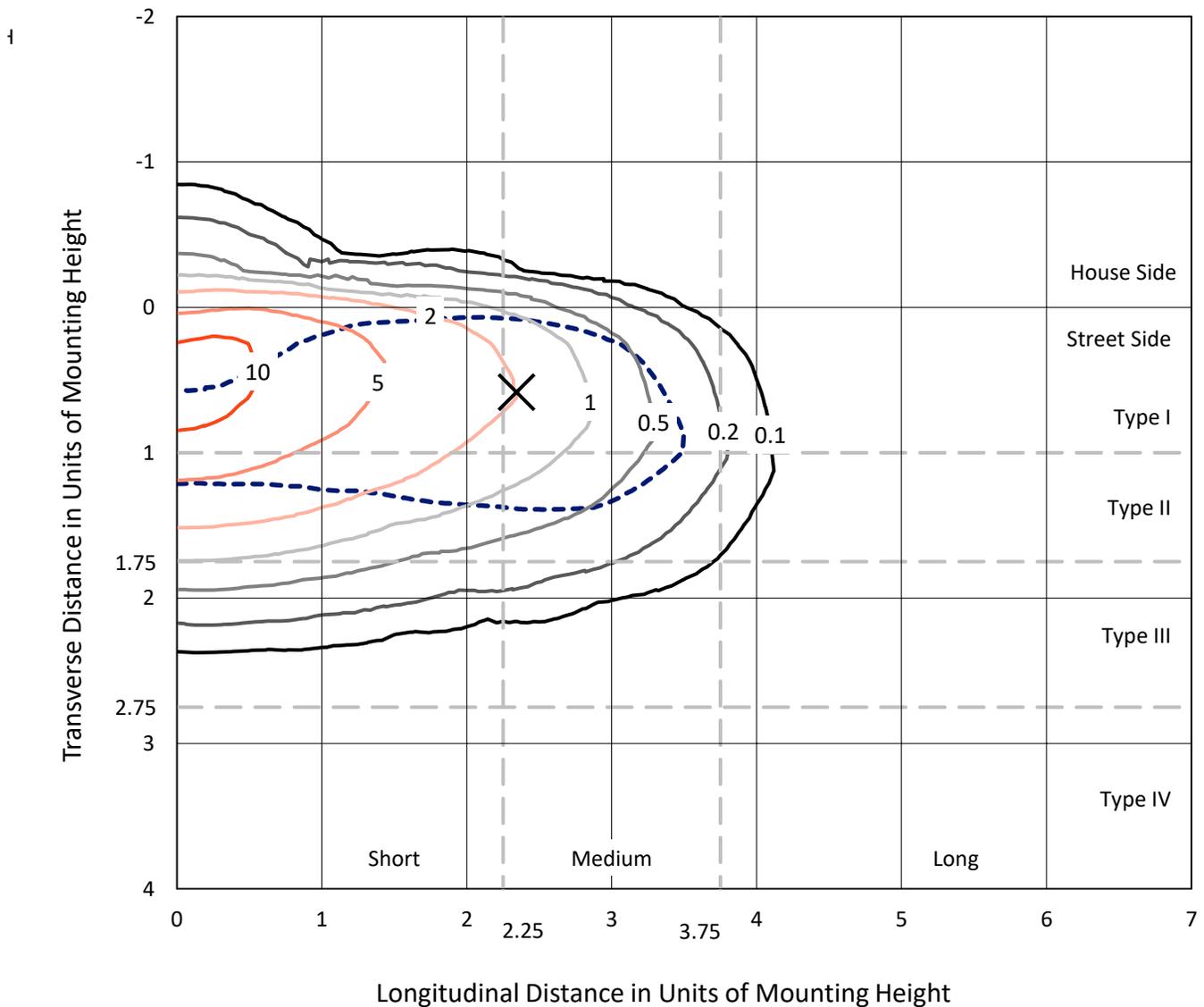
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

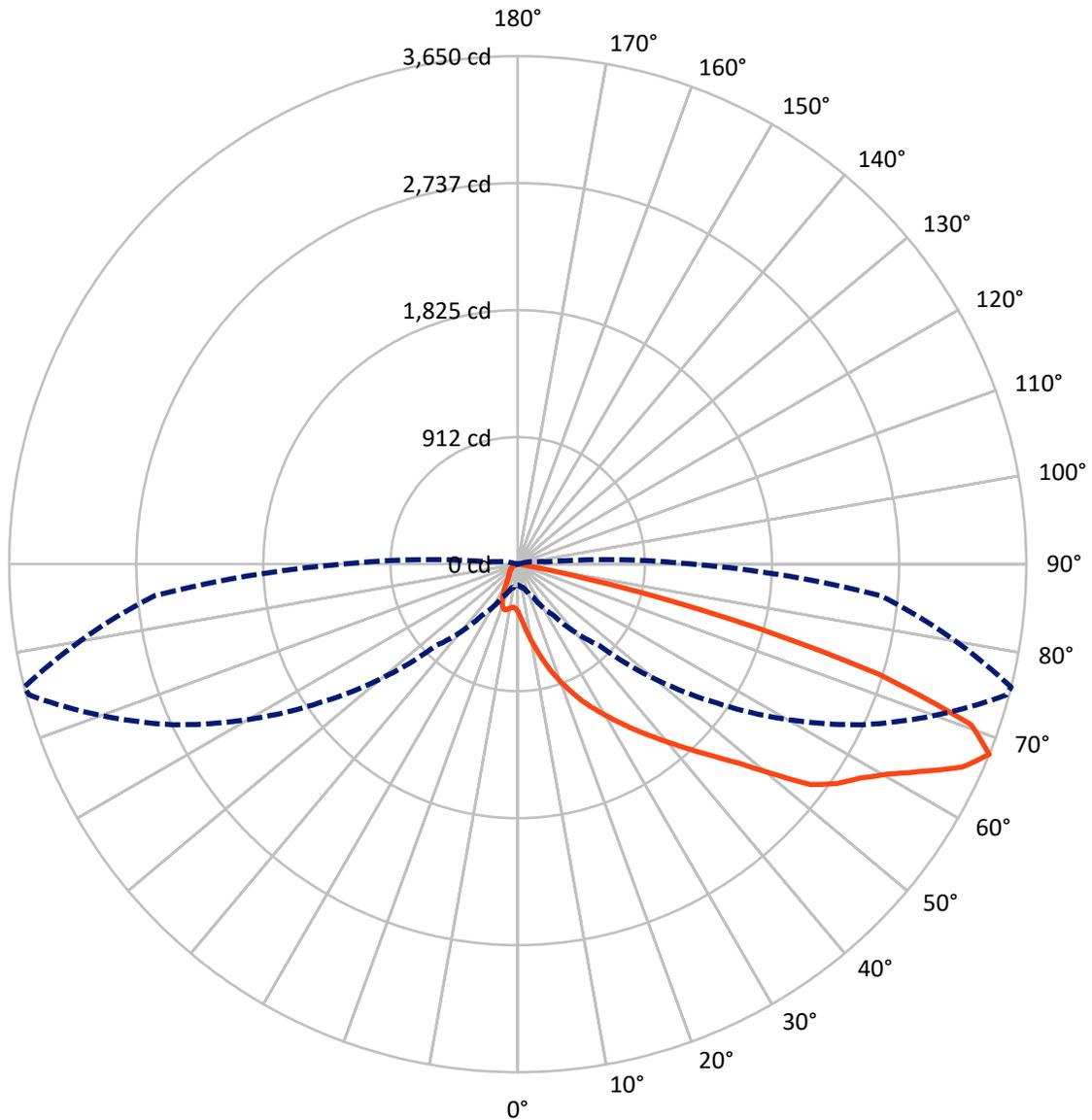
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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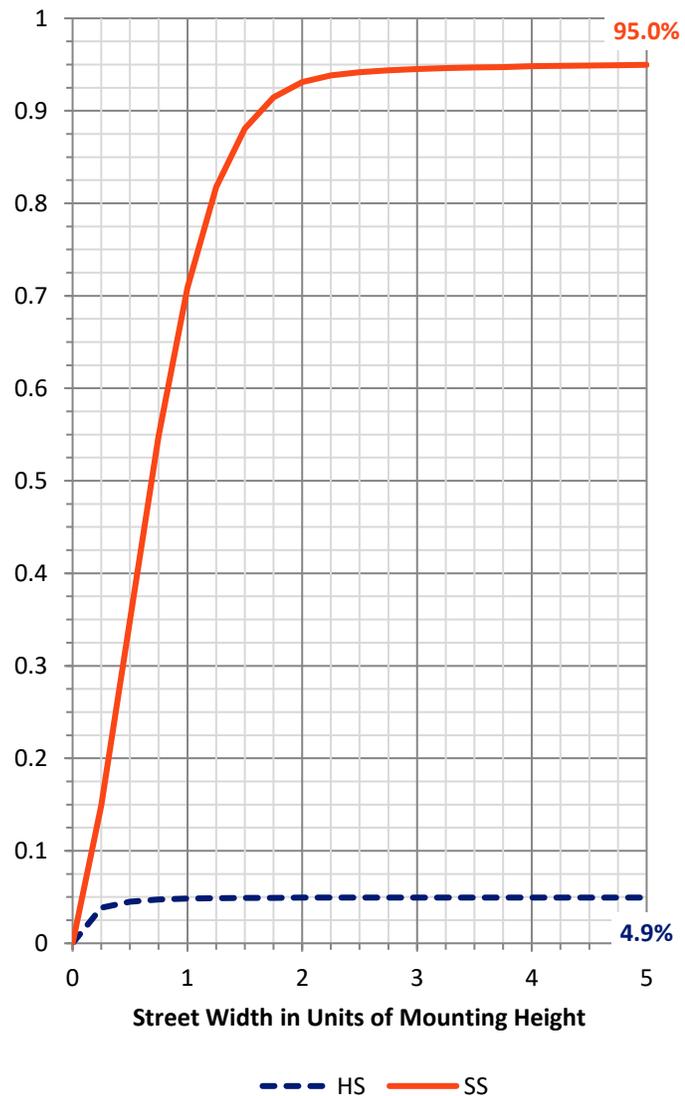
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	199.5	0.0	199.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3817.5	0.0	3817.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	4017.0	0.0	4017.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.1
10°-20°	168.0	4.2
20°-30°	341.8	8.5
30°-40°	593.2	14.8
40°-50°	838.1	20.9
50°-60°	950.5	23.7
60°-70°	788.3	19.6
70°-80°	285.6	7.1
80°-90°	9.3	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°	4017.0	100.0
0°-180°	4017.0	100.0



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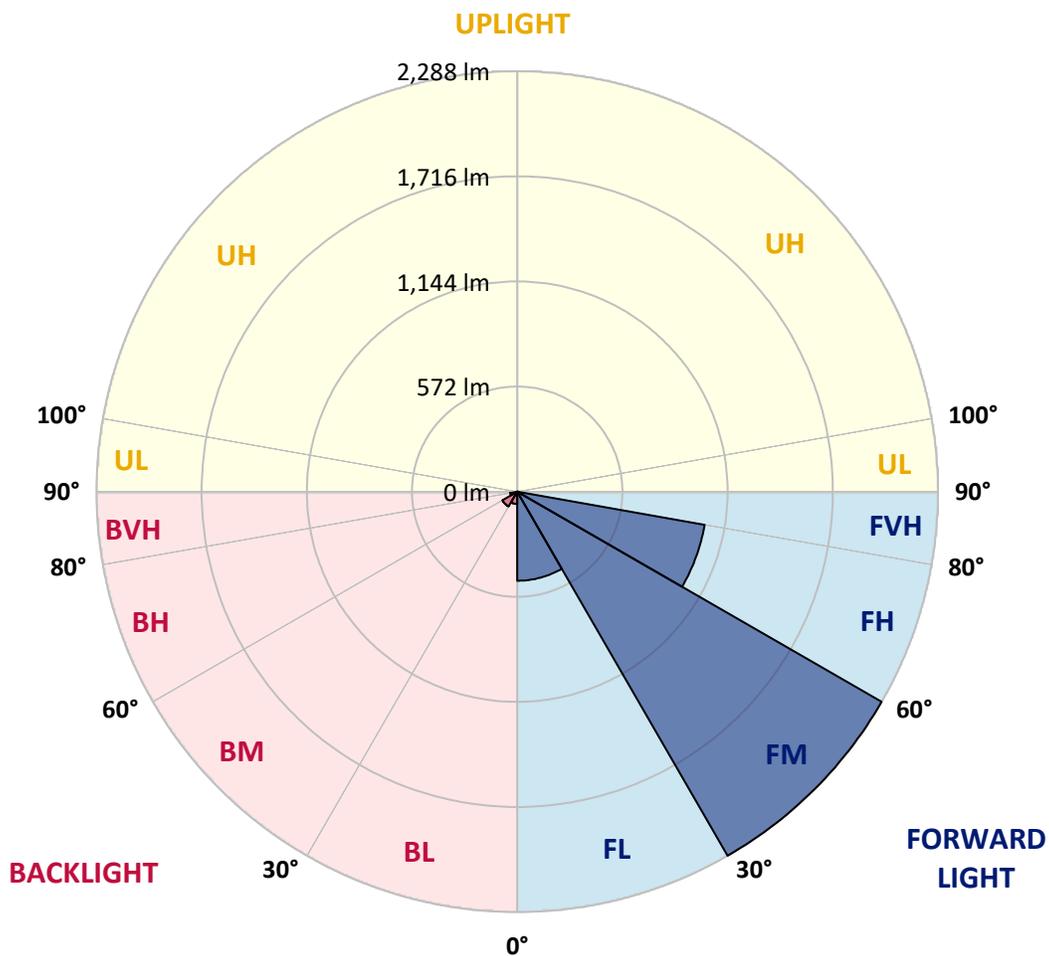
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.8	12.1			
FM (30°-60°)	2288.4	57.0			
FH (60°-80°)	1035.3	25.8			G1/1800
FVH (80°-90°)	9.0	0.2			G0/10
BL (0°-30°)	67.3	1.7	B0/110		
BM (30°-60°)	93.4	2.3	B0/220		
BH (60°-80°)	38.6	1.0	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8
2.5°	508.7	497.2	499.9	492.5	479.1	451.6	428.2	406.1	380.2	379.3	358.0
5°	685.9	676.2	675.0	660.0	635.8	589.1	543.7	492.0	434.2	430.0	384.8
7.5°	846.8	839.0	836.2	818.5	773.2	727.8	668.7	592.6	502.3	494.6	420.8
10°	970.4	966.7	967.4	954.7	916.0	873.7	796.1	699.1	579.6	567.6	464.1
12.5°	1064.0	1064.9	1071.2	1063.5	1041.8	1010.5	927.6	812.6	665.1	648.8	513.6
15°	1132.8	1137.2	1148.8	1158.5	1156.9	1129.8	1053.8	927.9	756.0	737.8	568.7
17.5°	1177.3	1182.3	1199.2	1220.6	1240.4	1234.0	1175.6	1039.2	847.8	826.9	627.7
20°	1216.4	1222.2	1240.4	1268.7	1305.5	1313.4	1275.0	1147.1	939.5	914.0	688.6
22.5°	1301.1	1300.9	1312.0	1328.5	1363.6	1384.0	1359.7	1247.2	1030.2	1003.6	750.7
25°	1454.2	1448.4	1444.5	1431.5	1439.2	1451.9	1438.4	1340.9	1121.4	1094.4	813.7
27.5°	1636.2	1639.7	1608.4	1573.4	1546.3	1533.2	1511.1	1427.6	1209.0	1179.5	875.3
30°	1828.2	1829.3	1792.3	1747.6	1687.9	1638.5	1600.1	1510.5	1299.1	1266.9	935.1
32.5°	2001.4	1994.6	1958.0	1897.1	1821.7	1766.1	1686.4	1603.1	1394.5	1363.4	1001.7
35°	2138.7	2130.6	2086.1	2030.6	1952.5	1896.5	1800.6	1695.5	1494.9	1464.4	1068.4
37.5°	2239.0	2229.5	2183.8	2126.7	2059.3	2026.8	1933.1	1796.0	1604.3	1571.6	1138.6
40°	2273.9	2265.6	2236.9	2195.2	2141.0	2133.6	2073.8	1911.7	1723.5	1688.7	1218.2
42.5°	2253.1	2245.0	2234.8	2220.7	2198.2	2205.2	2206.5	2043.5	1855.9	1821.5	1306.0
45°	2170.7	2163.5	2174.1	2194.7	2222.7	2257.5	2327.6	2185.2	2003.7	1967.1	1407.6
47.5°	2049.5	2044.2	2073.4	2124.8	2206.7	2302.8	2438.3	2334.1	2169.7	2135.7	1534.3
50°	1877.0	1876.1	1934.5	2028.4	2154.2	2324.6	2552.7	2503.4	2400.3	2364.5	1710.5
52.5°	1608.4	1610.2	1725.1	1875.2	2062.1	2309.8	2626.3	2721.0	2668.5	2631.4	1863.1
55°	1352.6	1363.2	1444.7	1661.2	1921.0	2254.9	2651.6	2822.5	2816.5	2781.3	1947.9
57.5°	1102.2	1121.4	1199.9	1402.1	1714.9	2128.3	2637.7	2866.5	2926.7	2899.8	2059.9
60°	830.8	839.6	930.0	1119.1	1450.3	1897.4	2536.9	2890.5	3077.4	3058.7	2222.3
62.5°	528.6	550.6	630.8	813.2	1129.3	1576.7	2366.8	2890.1	3265.9	3276.1	2431.9
65°	278.4	304.1	346.7	503.9	776.0	1218.5	2111.1	2863.0	3497.2	3511.4	2595.8
67.5°	150.1	157.5	180.1	261.6	450.1	825.5	1735.3	2729.2	3631.1	3649.9	2618.7
70°	109.8	113.9	122.3	144.7	226.5	479.5	1266.2	2426.0	3458.4	3451.4	2326.7
72.5°	84.3	90.6	97.0	106.0	130.2	255.9	788.4	1899.7	2759.5	2713.0	1739.2
75°	66.5	67.6	76.6	84.7	97.7	145.7	350.1	1106.4	1684.3	1574.2	901.9
77.5°	53.2	53.9	59.1	66.2	78.5	95.8	108.4	435.3	537.7	479.8	195.7
80°	31.5	33.3	44.0	51.0	65.1	60.4	39.6	94.5	84.0	76.0	32.9
82.5°	17.6	19.0	24.8	40.3	45.4	28.9	19.7	25.5	19.7	19.2	9.3
85°	0.0	0.9	16.0	25.0	18.5	6.3	8.3	8.4	5.8	5.5	3.7
87.5°	0.0	0.0	4.9	4.8	0.7	1.1	1.9	2.8	2.3	2.3	1.9
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°	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8	340.8
2.5°	347.4	337.9	320.0	302.4	287.6	275.5	264.5	260.1	256.6	256.1	253.3
5°	362.9	343.8	309.4	281.3	262.4	249.1	237.6	230.6	225.1	223.0	221.1
7.5°	386.3	357.3	308.0	275.6	253.1	230.6	209.5	186.6	172.3	166.9	163.7
10°	414.9	375.3	313.3	274.0	234.6	187.1	152.1	123.0	111.2	107.4	106.3
12.5°	448.1	397.6	322.5	264.2	195.2	132.9	104.9	95.0	92.4	91.2	91.2
15°	486.3	422.1	329.0	235.7	144.3	100.5	90.8	86.2	83.4	81.8	82.0
17.5°	525.4	446.0	325.8	194.3	106.5	89.4	82.2	77.3	73.4	71.8	71.5
20°	564.8	468.2	308.2	144.7	90.1	81.1	73.0	67.6	63.7	62.1	61.8
22.5°	605.7	487.0	277.2	106.1	81.0	72.0	64.1	58.6	54.9	53.5	52.8
25°	645.4	502.3	233.9	85.9	72.3	63.4	55.8	50.7	47.3	45.9	45.8
27.5°	682.6	512.0	183.8	75.9	64.8	55.6	48.8	44.2	41.4	40.3	40.1
30°	716.0	512.9	135.9	68.5	58.1	48.9	42.6	38.5	36.1	35.0	34.7
32.5°	749.8	505.5	98.9	61.8	51.9	43.1	37.0	33.8	32.0	31.2	31.2
35°	781.7	488.4	77.1	56.0	45.9	37.5	32.6	30.3	29.2	28.3	28.3
37.5°	812.8	464.0	65.5	50.9	40.3	32.7	28.7	27.3	26.4	25.5	25.5
40°	844.5	433.2	59.5	46.1	35.7	29.0	25.5	24.3	23.4	22.7	22.5
42.5°	883.4	397.6	55.6	41.7	31.7	25.7	22.5	21.1	20.4	19.7	19.4
45°	928.5	367.0	52.5	37.3	28.3	22.9	19.5	18.1	17.1	16.2	16.0
47.5°	993.4	344.8	48.2	32.6	25.2	19.9	16.9	15.3	13.7	12.8	12.7
50°	1076.3	326.5	42.8	28.3	22.0	16.9	14.1	12.1	10.7	9.9	9.9
52.5°	1117.5	302.6	37.8	24.6	18.5	14.3	11.4	9.2	8.4	7.6	7.6
55°	1134.0	284.3	32.9	20.9	15.3	11.8	9.0	7.0	6.5	6.0	5.8
57.5°	1180.5	279.0	28.7	17.8	12.7	9.3	6.9	5.3	4.9	4.2	4.2
60°	1255.3	281.6	24.8	15.1	10.2	7.2	5.1	4.0	3.7	3.0	3.0
62.5°	1336.1	278.3	20.9	13.0	7.9	5.3	3.5	3.0	3.0	1.8	1.6
65°	1351.6	247.8	18.0	10.7	6.2	3.9	2.3	1.9	2.6	0.4	0.0
67.5°	1254.4	192.2	15.5	8.3	4.6	3.0	1.8	0.9	2.3	0.0	0.0
70°	1003.1	122.2	12.5	6.0	3.5	2.5	1.4	0.4	1.8	0.0	0.0
72.5°	709.3	70.9	9.9	4.2	3.0	1.9	1.1	0.0	1.1	0.0	0.0
75°	358.7	37.8	6.2	3.2	2.3	1.4	0.7	0.0	0.2	0.0	0.0
77.5°	77.6	17.6	3.9	2.3	1.6	0.9	0.4	0.0	0.0	0.0	0.0
80°	16.9	7.7	2.5	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	6.2	4.0	1.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.3	2.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.7	0.2	0.2	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)