

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: P1207865

Luminaire Tested: UPW-SA1-030-740-U-T2R-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207865  
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-SA1-030-740-U-T2R-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 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: 4018 lumens  
Efficiency: N/A  
Efficacy: 118.2 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

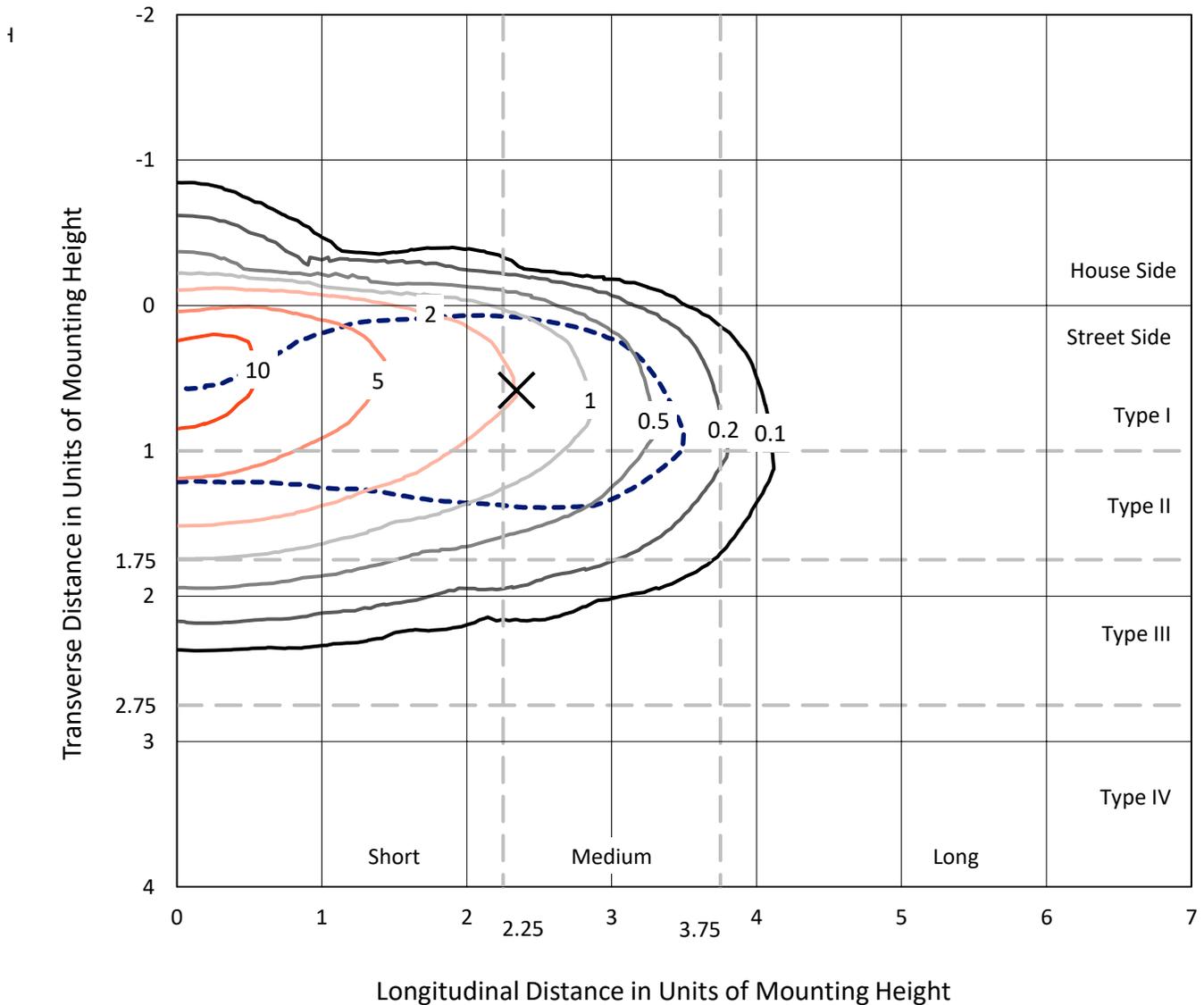
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

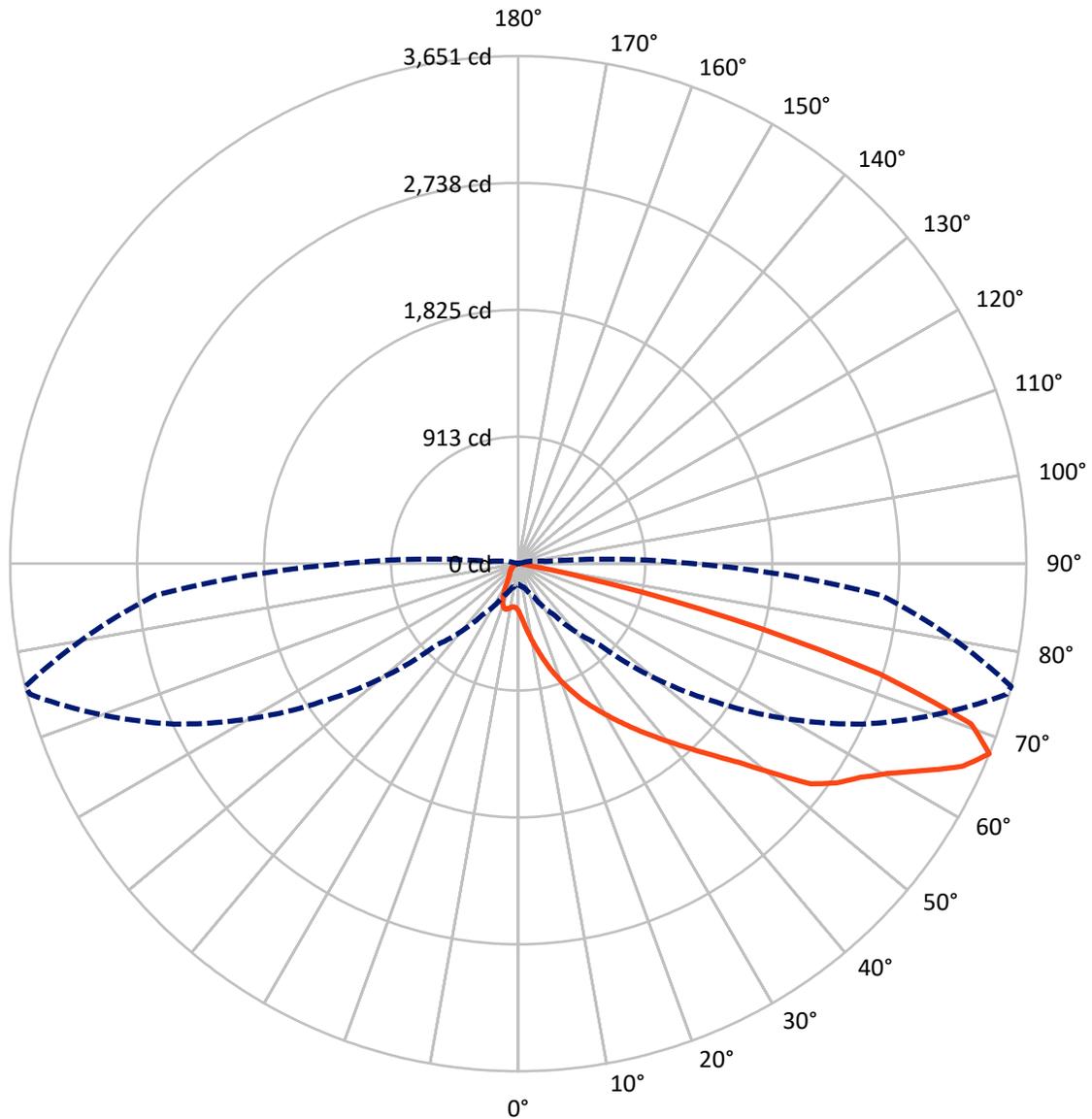
× Max cd  
 - - - 1/2 Max cd



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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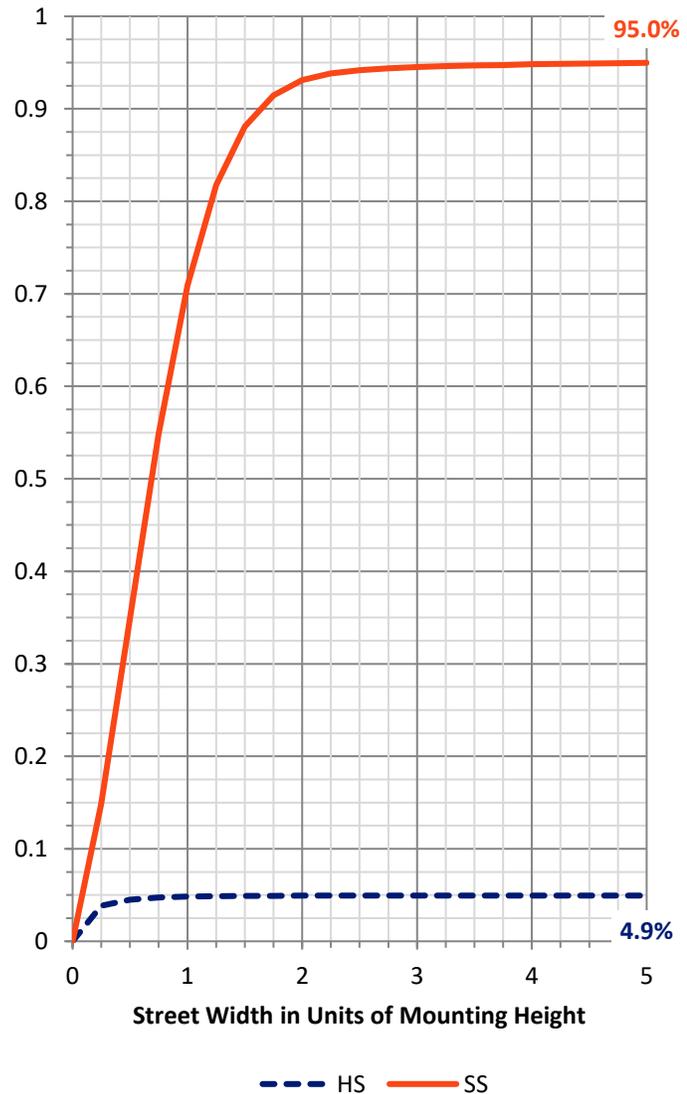
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	199.5	0.0	199.5
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	3818.5	0.0	3818.5
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	4018.0	0.0	4018.0
	% 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°	341.9	8.5
30°-40°	593.3	14.8
40°-50°	838.3	20.9
50°-60°	950.7	23.7
60°-70°	788.5	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°	4018.0	100.0
0°-180°	4018.0	100.0



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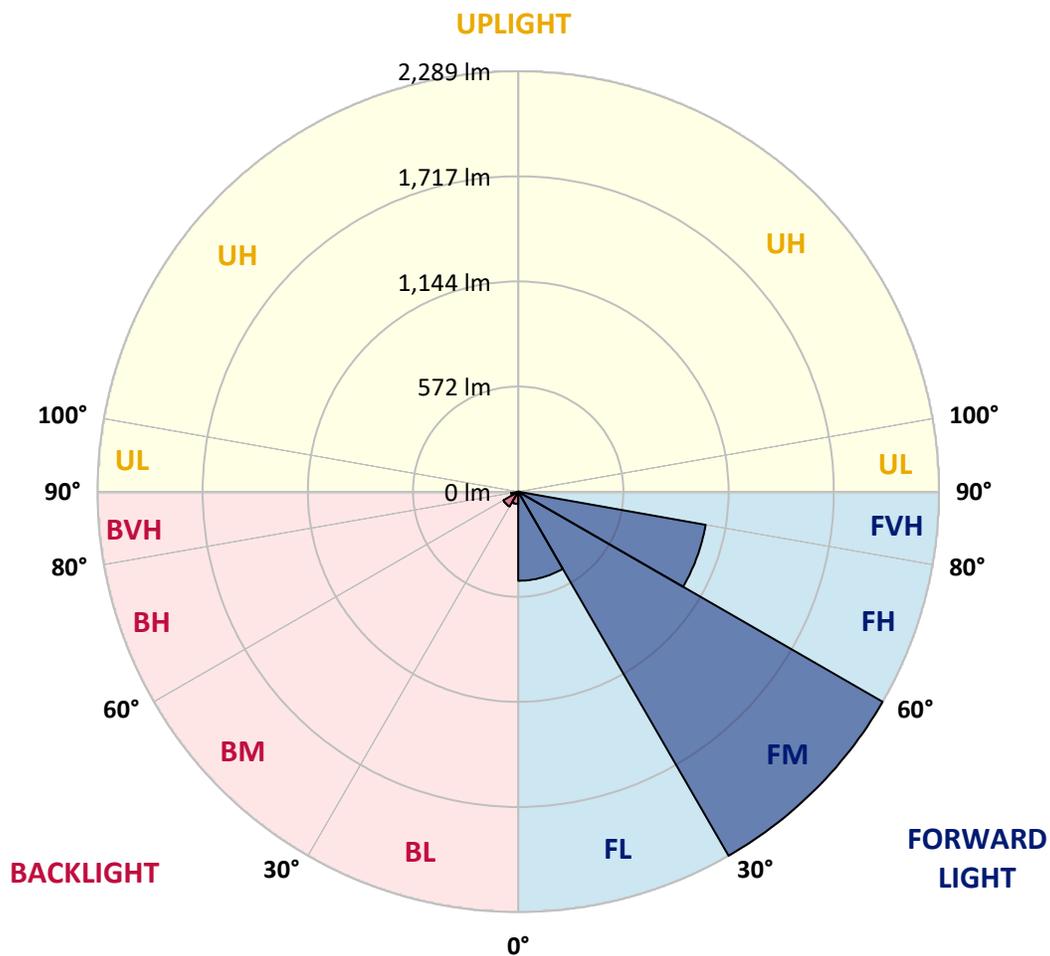
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.0	12.1			
FM	(30°-60°)	2289.0	57.0			
FH	(60°-80°)	1035.6	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°	508.8	497.4	500.0	492.6	479.2	451.8	428.3	406.2	380.3	379.4	358.1
5°	686.1	676.4	675.2	660.2	635.9	589.3	543.8	492.1	434.3	430.1	384.9
7.5°	847.0	839.3	836.4	818.7	773.4	728.0	668.8	592.8	502.5	494.7	420.9
10°	970.6	966.9	967.6	954.9	916.2	873.9	796.3	699.3	579.7	567.8	464.3
12.5°	1064.3	1065.1	1071.5	1063.7	1042.1	1010.7	927.8	812.8	665.3	648.9	513.7
15°	1133.1	1137.5	1149.1	1158.8	1157.2	1130.1	1054.0	928.2	756.2	738.0	568.8
17.5°	1177.6	1182.6	1199.5	1220.9	1240.7	1234.3	1175.9	1039.4	848.1	827.1	627.8
20°	1216.7	1222.5	1240.7	1269.0	1305.8	1313.7	1275.3	1147.4	939.8	914.3	688.7
22.5°	1301.4	1301.2	1312.3	1328.9	1363.9	1384.3	1360.0	1247.5	1030.5	1003.9	750.9
25°	1454.6	1448.8	1444.9	1431.9	1439.6	1452.3	1438.7	1341.2	1121.6	1094.7	813.9
27.5°	1636.6	1640.1	1608.8	1573.8	1546.6	1533.6	1511.4	1428.0	1209.3	1179.7	875.5
30°	1828.7	1829.7	1792.8	1748.1	1688.4	1638.9	1600.5	1510.9	1299.5	1267.2	935.4
32.5°	2001.9	1995.1	1958.4	1897.5	1822.2	1766.5	1686.8	1603.5	1394.9	1363.7	1001.9
35°	2139.2	2131.1	2086.6	2031.1	1953.0	1897.0	1801.0	1695.9	1495.2	1464.8	1068.7
37.5°	2239.6	2230.1	2184.3	2127.3	2059.8	2027.3	1933.6	1796.5	1604.7	1572.0	1138.9
40°	2274.5	2266.2	2237.5	2195.8	2141.5	2134.1	2074.3	1912.1	1723.9	1689.1	1218.5
42.5°	2253.7	2245.6	2235.4	2221.3	2198.8	2205.8	2207.0	2044.0	1856.3	1822.0	1306.3
45°	2171.3	2164.1	2174.6	2195.2	2223.2	2258.1	2328.2	2185.7	2004.2	1967.6	1407.9
47.5°	2050.0	2044.7	2073.9	2125.3	2207.2	2303.3	2438.9	2334.7	2170.2	2136.3	1534.7
50°	1877.5	1876.6	1935.0	2028.9	2154.7	2325.2	2553.3	2504.0	2400.9	2365.1	1710.9
52.5°	1608.8	1610.6	1725.5	1875.7	2062.7	2310.4	2626.9	2721.6	2669.2	2632.0	1863.5
55°	1353.0	1363.5	1445.1	1661.6	1921.5	2255.4	2652.3	2823.2	2817.2	2782.0	1948.4
57.5°	1102.5	1121.6	1200.2	1402.5	1715.3	2128.9	2638.4	2867.2	2927.4	2900.5	2060.4
60°	831.0	839.8	930.3	1119.4	1450.7	1897.9	2537.5	2891.2	3078.1	3059.5	2222.9
62.5°	528.7	550.7	631.0	813.4	1129.6	1577.1	2367.4	2890.8	3266.7	3276.9	2432.6
65°	278.5	304.2	346.8	504.0	776.2	1218.8	2111.6	2863.7	3498.0	3512.3	2596.5
67.5°	150.2	157.6	180.1	261.6	450.2	825.7	1735.7	2729.9	3632.0	3650.9	2619.3
70°	109.9	113.9	122.4	144.7	226.6	479.6	1266.5	2426.6	3459.3	3452.3	2327.3
72.5°	84.3	90.7	97.0	106.0	130.3	256.0	788.6	1900.2	2760.2	2713.7	1739.6
75°	66.5	67.6	76.6	84.7	97.7	145.8	350.2	1106.7	1684.7	1574.6	902.1
77.5°	53.2	53.9	59.2	66.2	78.5	95.8	108.4	435.4	537.8	479.9	195.8
80°	31.5	33.3	44.0	51.1	65.1	60.4	39.6	94.5	84.0	76.1	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	8.5	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°	347.5	338.0	320.1	302.5	287.7	275.5	264.6	260.2	256.7	256.2	253.3
5°	363.0	343.8	309.5	281.3	262.5	249.1	237.7	230.6	225.2	223.1	221.1
7.5°	386.4	357.4	308.1	275.7	253.2	230.6	209.5	186.6	172.4	166.9	163.7
10°	415.0	375.3	313.4	274.1	234.7	187.1	152.1	123.1	111.3	107.4	106.3
12.5°	448.2	397.7	322.5	264.3	195.2	132.9	104.9	95.1	92.4	91.2	91.2
15°	486.4	422.2	329.0	235.7	144.4	100.5	90.8	86.3	83.5	81.9	82.0
17.5°	525.5	446.1	325.9	194.4	106.5	89.4	82.2	77.3	73.4	71.8	71.5
20°	565.0	468.3	308.3	144.7	90.1	81.2	73.1	67.6	63.7	62.1	61.8
22.5°	605.8	487.1	277.3	106.2	81.0	72.0	64.1	58.6	54.9	53.5	52.8
25°	645.6	502.5	234.0	85.9	72.4	63.4	55.8	50.7	47.4	46.0	45.8
27.5°	682.7	512.1	183.8	75.9	64.8	55.6	48.8	44.2	41.4	40.3	40.1
30°	716.2	513.0	135.9	68.5	58.1	48.9	42.6	38.6	36.1	35.0	34.7
32.5°	750.0	505.6	98.9	61.8	51.9	43.1	37.0	33.8	32.0	31.2	31.2
35°	781.9	488.6	77.1	56.0	46.0	37.5	32.6	30.3	29.2	28.3	28.3
37.5°	813.0	464.1	65.5	50.9	40.3	32.7	28.7	27.3	26.4	25.5	25.5
40°	844.7	433.3	59.5	46.1	35.7	29.0	25.5	24.3	23.4	22.7	22.5
42.5°	883.6	397.7	55.6	41.7	31.7	25.7	22.5	21.1	20.4	19.7	19.4
45°	928.7	367.1	52.5	37.3	28.3	22.9	19.5	18.1	17.1	16.2	16.0
47.5°	993.7	344.9	48.2	32.6	25.2	19.9	16.9	15.3	13.7	12.9	12.7
50°	1076.6	326.6	42.8	28.3	22.0	16.9	14.1	12.1	10.7	9.9	9.9
52.5°	1117.8	302.6	37.9	24.6	18.5	14.3	11.4	9.2	8.5	7.6	7.6
55°	1134.3	284.3	32.9	21.0	15.3	11.8	9.0	7.0	6.5	6.0	5.8
57.5°	1180.8	279.0	28.7	17.8	12.7	9.3	6.9	5.3	4.9	4.2	4.2
60°	1255.6	281.7	24.8	15.1	10.2	7.2	5.1	4.0	3.7	3.0	3.0
62.5°	1336.4	278.3	21.0	13.0	7.9	5.3	3.5	3.0	3.0	1.8	1.6
65°	1351.9	247.9	18.0	10.7	6.2	3.9	2.3	1.9	2.6	0.4	0.0
67.5°	1254.7	192.3	15.5	8.3	4.6	3.0	1.8	0.9	2.3	0.0	0.0
70°	1003.3	122.2	12.5	6.0	3.5	2.5	1.4	0.4	1.8	0.0	0.0
72.5°	709.5	71.0	9.9	4.2	3.0	1.9	1.1	0.0	1.1	0.0	0.0
75°	358.8	37.9	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)