

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: P1208432

Luminaire Tested: UPW-SA1-060-827-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208432
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-SA1-060-827-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4482 lumens
Efficiency: N/A
Efficacy: 77.3 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

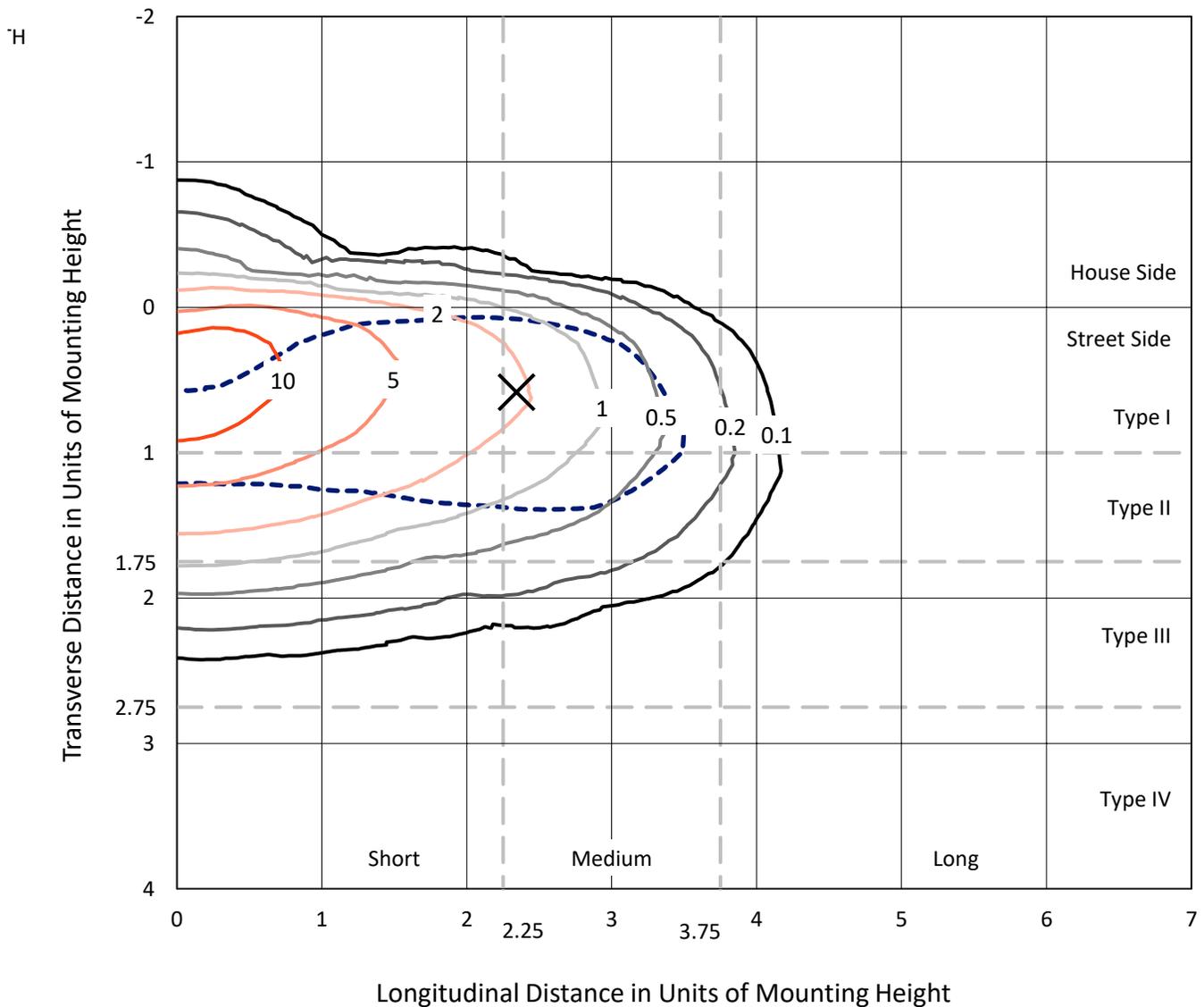
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

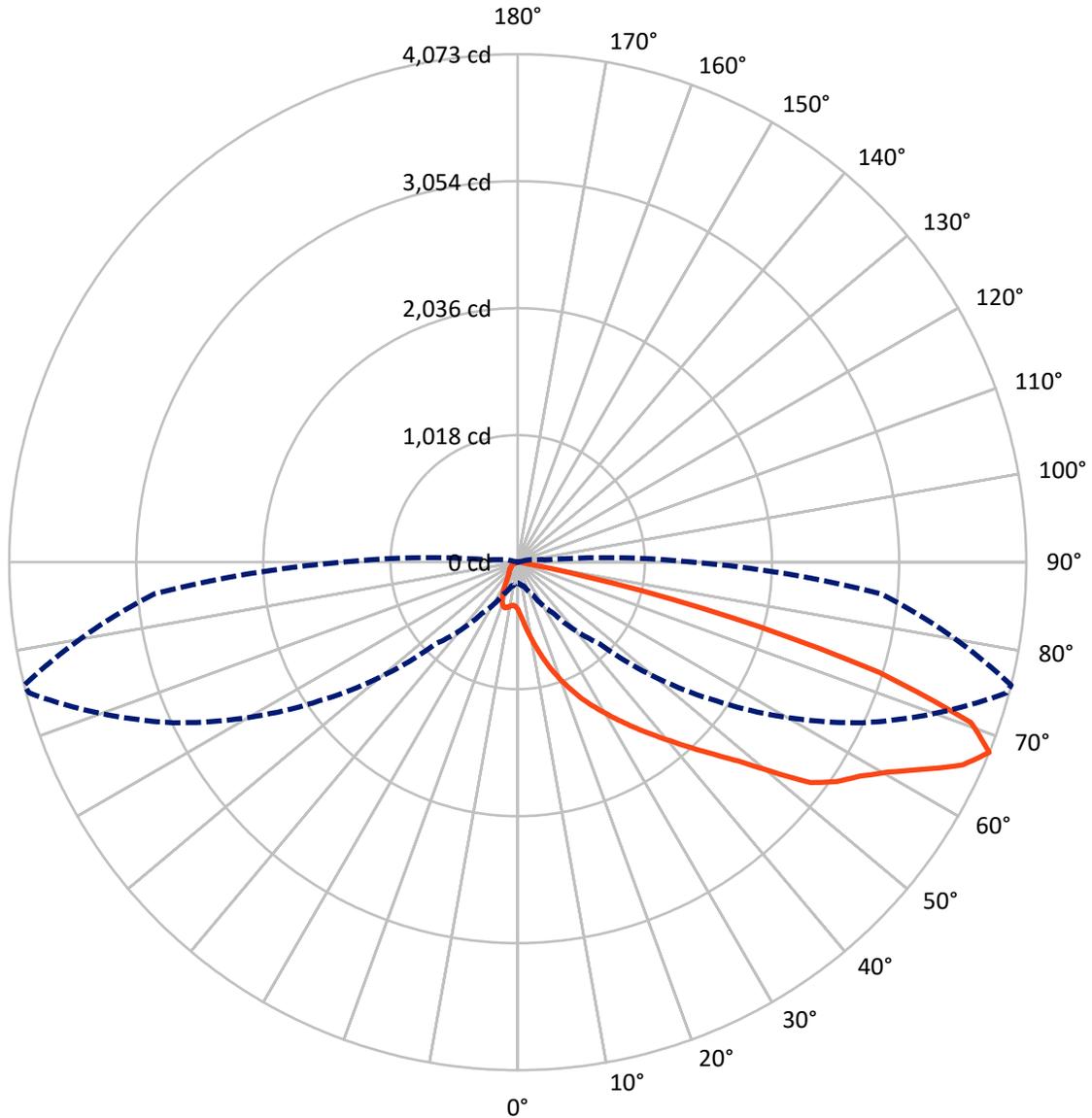
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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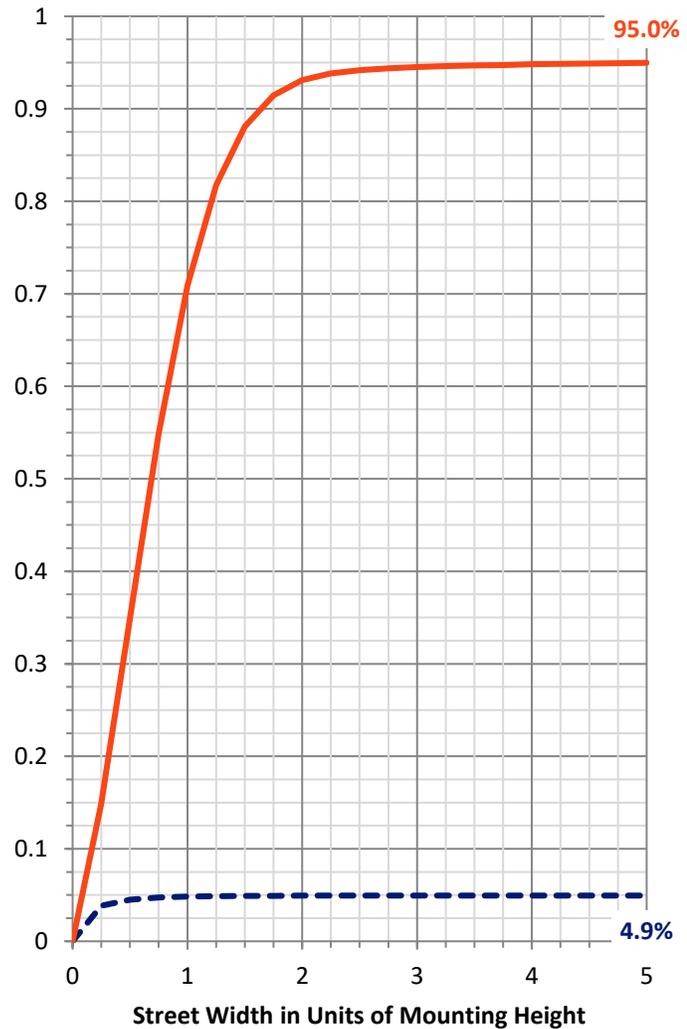
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.6	0.0	222.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4259.4	0.0	4259.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	4482.0	0.0	4482.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	1.1
10°-20°	187.4	4.2
20°-30°	381.3	8.5
30°-40°	661.9	14.8
40°-50°	935.1	20.9
50°-60°	1060.5	23.7
60°-70°	879.6	19.6
70°-80°	318.6	7.1
80°-90°	10.3	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°	4482.0	100.0
0°-180°	4482.0	100.0



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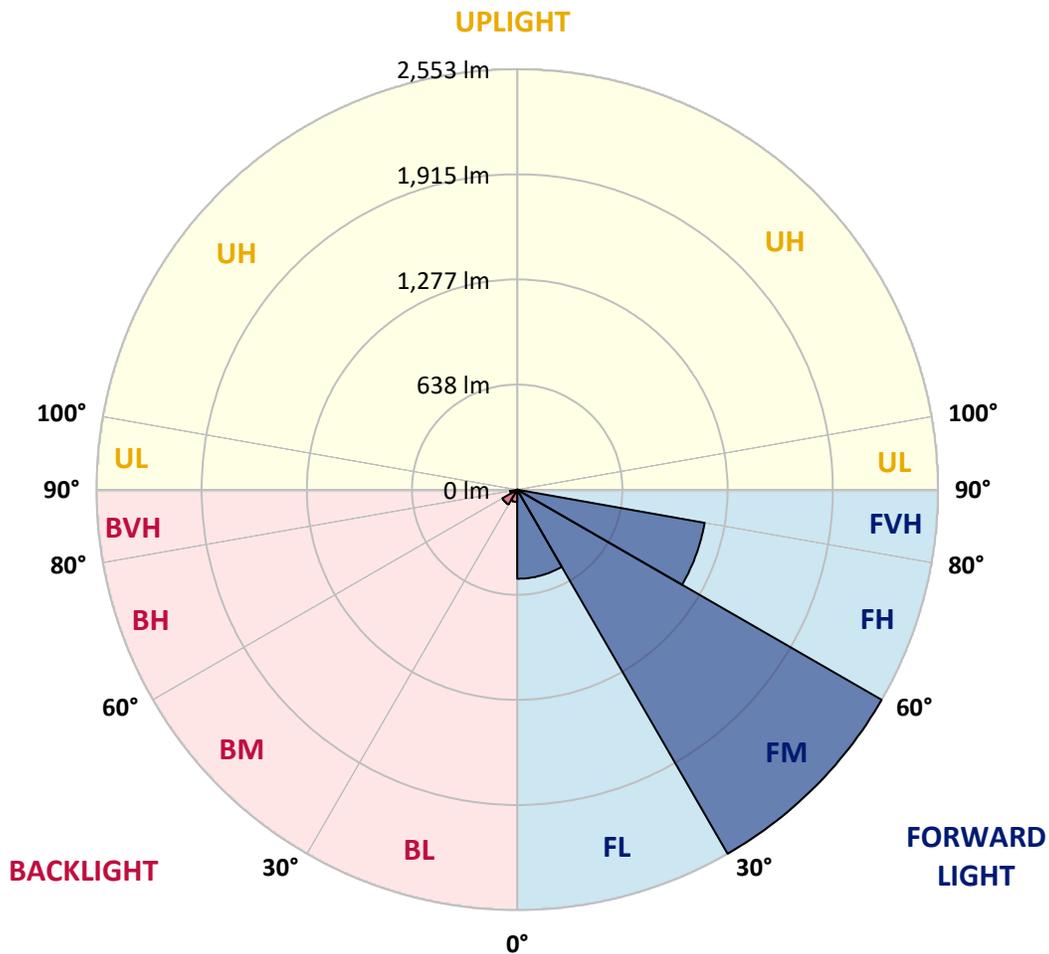
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.0	12.1			
FM	(30°-60°)	2553.3	57.0			
FH	(60°-80°)	1155.2	25.8			G1/1800
FVH	(80°-90°)	10.0	0.2			G1/100
BL	(0°-30°)	75.1	1.7	B0/110		
BM	(30°-60°)	104.2	2.3	B0/220		
BH	(60°-80°)	43.0	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°	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2
2.5°	567.6	554.8	557.7	549.5	534.6	503.9	477.8	453.1	424.2	423.2	399.4
5°	765.3	754.5	753.1	736.4	709.3	657.3	606.6	548.9	484.5	479.8	429.3
7.5°	944.8	936.2	933.0	913.2	862.7	812.1	746.1	661.2	560.5	551.8	469.6
10°	1082.7	1078.6	1079.3	1065.2	1022.0	974.9	888.3	780.0	646.7	633.3	517.9
12.5°	1187.2	1188.1	1195.2	1186.6	1162.4	1127.5	1035.0	906.7	742.1	723.9	573.1
15°	1263.9	1268.9	1281.8	1292.6	1290.8	1260.6	1175.8	1035.3	843.5	823.3	634.5
17.5°	1313.6	1319.1	1338.0	1361.9	1383.9	1376.9	1311.7	1159.5	946.0	922.6	700.3
20°	1357.2	1363.7	1383.9	1415.6	1456.6	1465.4	1422.6	1279.8	1048.3	1019.8	768.3
22.5°	1451.7	1451.5	1463.9	1482.3	1521.4	1544.2	1517.1	1391.6	1149.4	1119.8	837.6
25°	1622.5	1616.1	1611.7	1597.2	1605.8	1620.0	1604.9	1496.1	1251.2	1221.1	907.9
27.5°	1825.6	1829.5	1794.6	1755.5	1725.3	1710.7	1686.0	1592.9	1349.0	1316.0	976.6
30°	2039.9	2041.0	1999.8	1949.9	1883.3	1828.2	1785.3	1685.4	1449.5	1413.6	1043.4
32.5°	2233.1	2225.4	2184.6	2116.6	2032.6	1970.5	1881.6	1788.7	1556.0	1521.2	1117.6
35°	2386.3	2377.3	2327.6	2265.7	2178.5	2116.1	2009.0	1891.8	1667.9	1633.9	1192.1
37.5°	2498.2	2487.6	2436.6	2372.9	2297.7	2261.4	2156.9	2003.9	1790.1	1753.5	1270.4
40°	2537.1	2527.9	2495.9	2449.3	2388.8	2380.6	2313.8	2132.9	1923.0	1884.1	1359.2
42.5°	2513.9	2504.9	2493.5	2477.8	2452.7	2460.5	2461.9	2280.0	2070.7	2032.4	1457.2
45°	2422.0	2414.0	2425.8	2448.7	2480.0	2518.8	2597.0	2438.1	2235.7	2194.8	1570.5
47.5°	2286.7	2280.8	2313.4	2370.8	2462.1	2569.3	2720.5	2604.3	2420.9	2382.9	1711.9
50°	2094.3	2093.3	2158.5	2263.2	2403.6	2593.7	2848.2	2793.2	2678.1	2638.3	1908.5
52.5°	1794.6	1796.5	1924.8	2092.3	2300.9	2577.2	2930.3	3035.9	2977.4	2936.0	2078.7
55°	1509.2	1521.0	1611.9	1853.5	2143.4	2515.9	2958.6	3149.2	3142.6	3103.3	2173.4
57.5°	1229.8	1251.2	1338.8	1564.4	1913.4	2374.7	2943.0	3198.3	3265.5	3235.5	2298.3
60°	926.9	936.8	1037.7	1248.6	1618.2	2117.0	2830.5	3225.1	3433.6	3412.8	2479.6
62.5°	589.7	614.3	703.8	907.3	1260.0	1759.2	2640.8	3224.7	3643.9	3655.3	2713.5
65°	310.7	339.4	386.9	562.3	865.9	1359.6	2355.5	3194.4	3902.0	3917.9	2896.3
67.5°	167.5	175.8	200.9	291.8	502.2	921.1	1936.2	3045.2	4051.4	4072.5	2921.8
70°	122.5	127.1	136.5	161.4	252.7	535.0	1412.8	2706.8	3858.8	3850.9	2596.0
72.5°	94.1	101.1	108.2	118.2	145.3	285.5	879.6	2119.6	3078.9	3027.1	1940.5
75°	74.2	75.4	85.4	94.5	109.0	162.6	390.6	1234.5	1879.2	1756.5	1006.3
77.5°	59.3	60.1	66.0	73.8	87.6	106.8	121.0	485.7	600.0	535.3	218.4
80°	35.2	37.1	49.1	57.0	72.7	67.4	44.2	105.5	93.7	84.8	36.7
82.5°	19.6	21.2	27.7	45.0	50.7	32.2	22.0	28.5	22.0	21.4	10.4
85°	0.0	1.0	17.9	27.9	20.6	7.1	9.2	9.4	6.5	6.1	4.1
87.5°	0.0	0.0	5.5	5.3	0.8	1.2	2.2	3.1	2.6	2.6	2.2
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°	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2	380.2
2.5°	387.7	377.1	357.0	337.4	320.9	307.3	295.2	290.3	286.3	285.7	282.6
5°	404.9	383.5	345.2	313.8	292.8	277.9	265.1	257.3	251.2	248.8	246.7
7.5°	431.1	398.7	343.7	307.5	282.4	257.3	233.7	208.2	192.3	186.2	182.6
10°	462.9	418.7	349.6	305.8	261.8	208.8	169.7	137.3	124.1	119.8	118.6
12.5°	500.0	443.6	359.8	294.8	217.8	148.3	117.0	106.0	103.1	101.7	101.7
15°	542.6	470.9	367.0	263.0	161.0	112.1	101.3	96.2	93.1	91.3	91.5
17.5°	586.2	497.6	363.5	216.8	118.8	99.8	91.7	86.2	81.9	80.1	79.7
20°	630.2	522.4	343.9	161.4	100.5	90.5	81.5	75.4	71.1	69.3	68.9
22.5°	675.8	543.4	309.3	118.4	90.3	80.3	71.5	65.4	61.3	59.7	58.9
25°	720.1	560.5	261.0	95.8	80.7	70.7	62.3	56.6	52.8	51.3	51.1
27.5°	761.6	571.3	205.0	84.6	72.3	62.1	54.4	49.3	46.2	45.0	44.8
30°	798.9	572.3	151.6	76.4	64.8	54.6	47.5	43.0	40.3	39.1	38.7
32.5°	836.6	564.0	110.4	68.9	57.9	48.1	41.2	37.7	35.7	34.8	34.8
35°	872.2	545.0	86.0	62.5	51.3	41.8	36.3	33.8	32.6	31.6	31.6
37.5°	906.9	517.7	73.1	56.8	45.0	36.5	32.0	30.4	29.5	28.5	28.5
40°	942.3	483.3	66.4	51.5	39.9	32.4	28.5	27.1	26.1	25.3	25.1
42.5°	985.7	443.6	62.1	46.5	35.3	28.7	25.1	23.6	22.8	22.0	21.6
45°	1035.9	409.5	58.5	41.6	31.6	25.5	21.8	20.2	19.0	18.1	17.9
47.5°	1108.4	384.7	53.8	36.3	28.1	22.2	18.9	17.1	15.3	14.3	14.1
50°	1200.9	364.3	47.7	31.6	24.5	18.9	15.7	13.6	12.0	11.0	11.0
52.5°	1246.9	337.6	42.2	27.5	20.6	15.9	12.8	10.2	9.4	8.4	8.4
55°	1265.3	317.2	36.7	23.4	17.1	13.2	10.0	7.9	7.3	6.7	6.5
57.5°	1317.2	311.3	32.0	19.8	14.1	10.4	7.7	5.9	5.5	4.7	4.7
60°	1400.6	314.2	27.7	16.9	11.4	8.1	5.7	4.5	4.1	3.3	3.3
62.5°	1490.8	310.5	23.4	14.5	8.8	5.9	3.9	3.3	3.3	2.0	1.8
65°	1508.0	276.5	20.0	12.0	6.9	4.3	2.6	2.2	2.9	0.4	0.0
67.5°	1399.6	214.5	17.3	9.2	5.1	3.3	2.0	1.0	2.6	0.0	0.0
70°	1119.2	136.3	13.9	6.7	3.9	2.7	1.6	0.4	2.0	0.0	0.0
72.5°	791.4	79.1	11.0	4.7	3.3	2.2	1.2	0.0	1.2	0.0	0.0
75°	400.2	42.2	6.9	3.5	2.6	1.6	0.8	0.0	0.2	0.0	0.0
77.5°	86.6	19.6	4.3	2.6	1.8	1.0	0.4	0.0	0.0	0.0	0.0
80°	18.9	8.6	2.7	1.6	1.0	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	6.9	4.5	1.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	2.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.8	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)