

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: P1207811

Luminaire Tested: UPW-SA1-030-730-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-730-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 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: 3659 lumens
Efficiency: N/A
Efficacy: 107.6 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

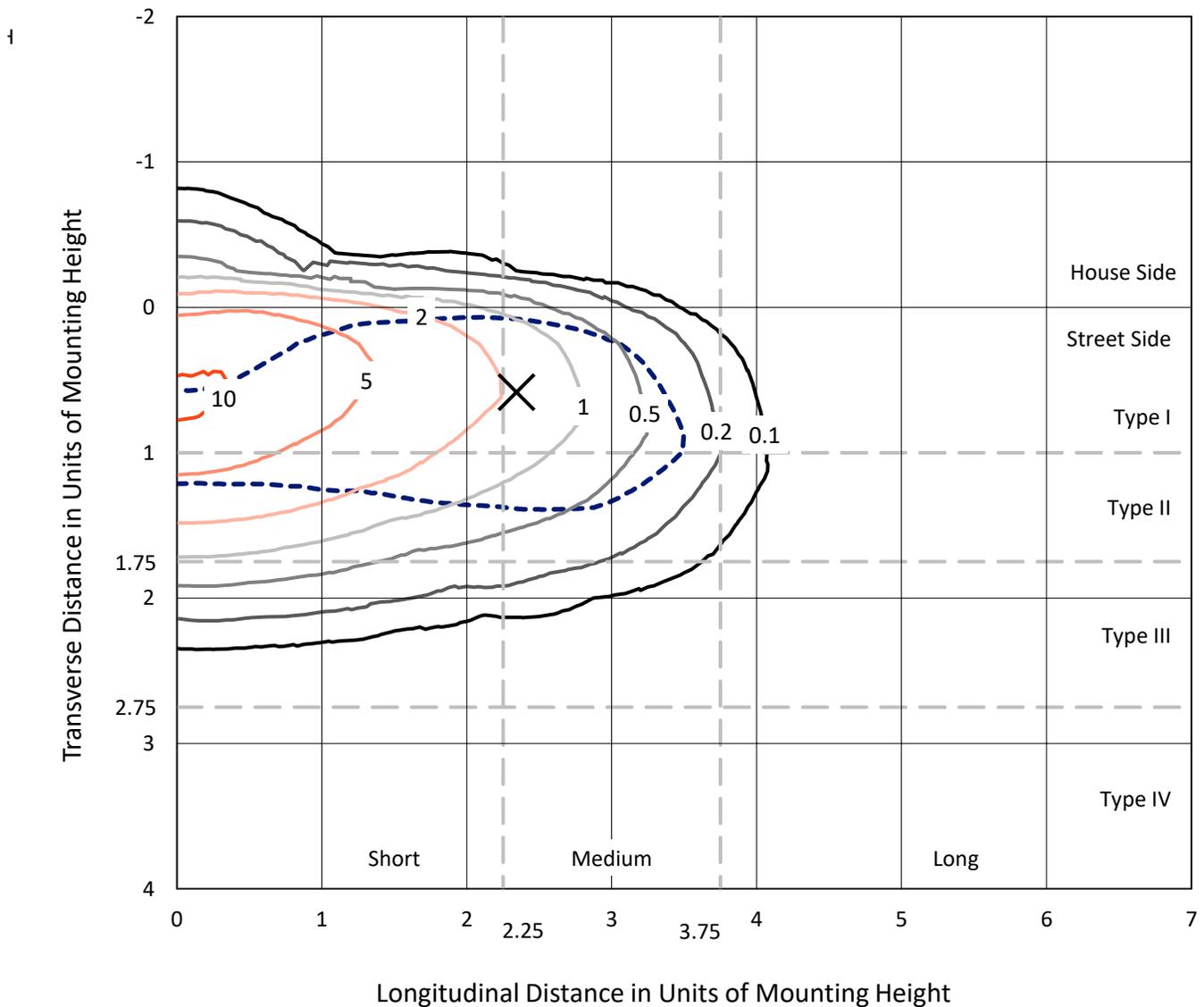
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1207811
 CATALOG NUMBER: UPW-SA1-030-730-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

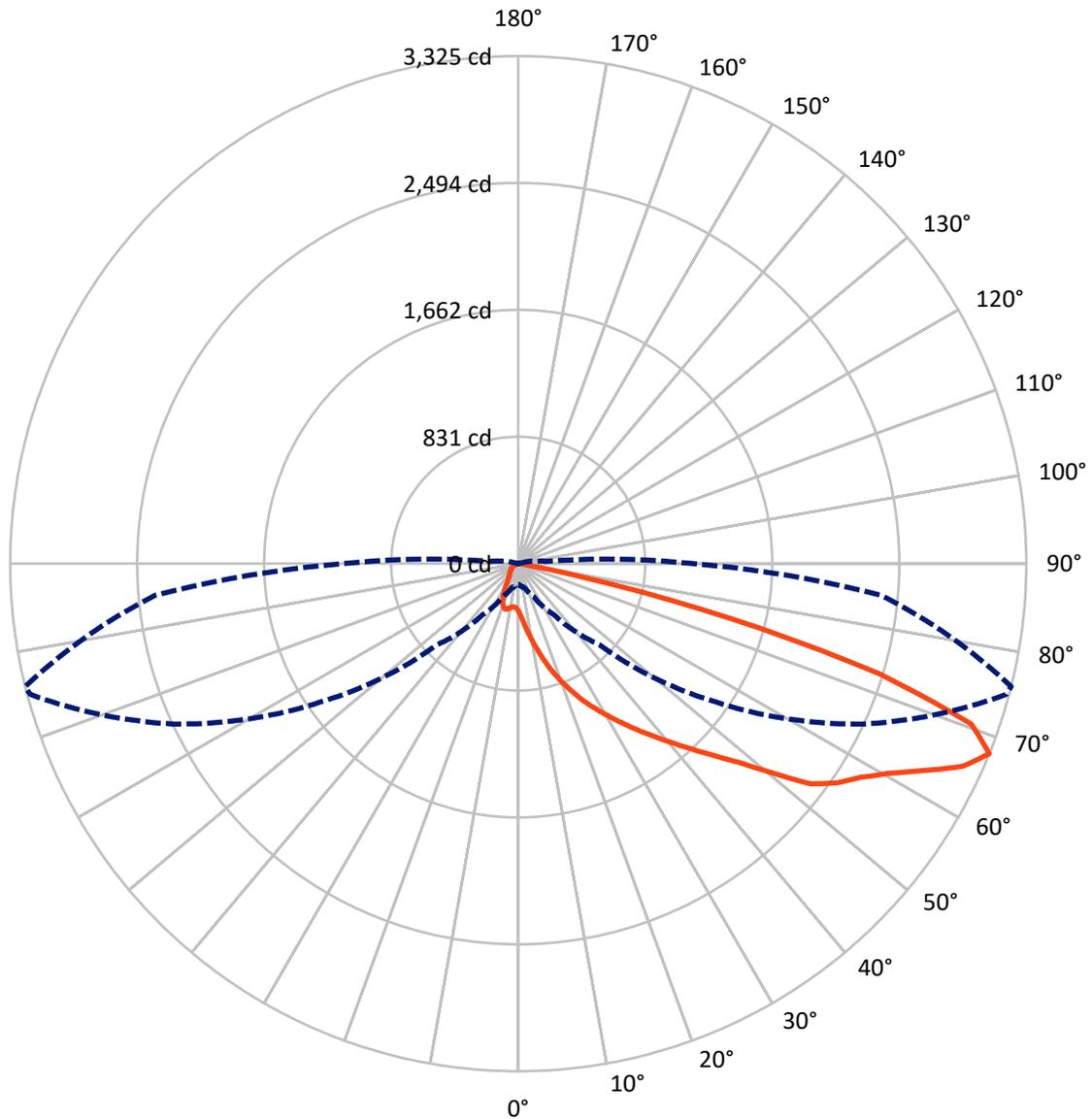
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P1207811
CATALOG NUMBER: UPW-SA1-030-730-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1207811

CATALOG NUMBER: UPW-SA1-030-730-U-T2R-HSS

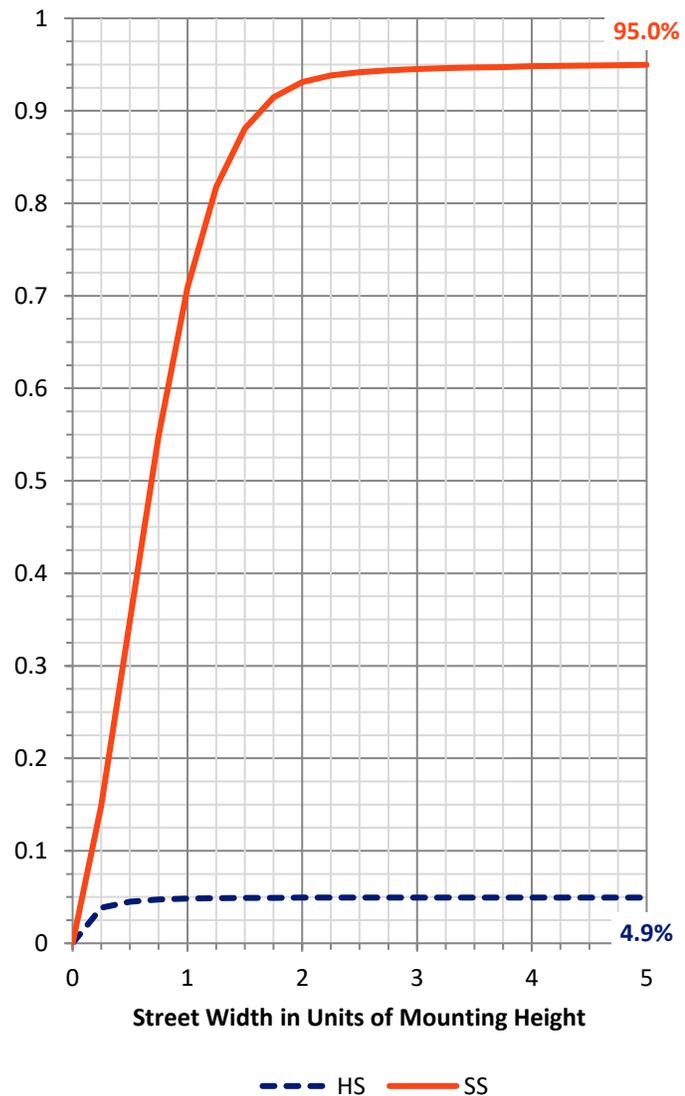
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	181.7	0.0	181.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3477.3	0.0	3477.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	3659.0	0.0	3659.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	1.1
10°-20°	153.0	4.2
20°-30°	311.3	8.5
30°-40°	540.3	14.8
40°-50°	763.4	20.9
50°-60°	865.7	23.7
60°-70°	718.1	19.6
70°-80°	260.1	7.1
80°-90°	8.4	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°	3659.0	100.0
0°-180°	3659.0	100.0



REPORT NUMBER: P1207811

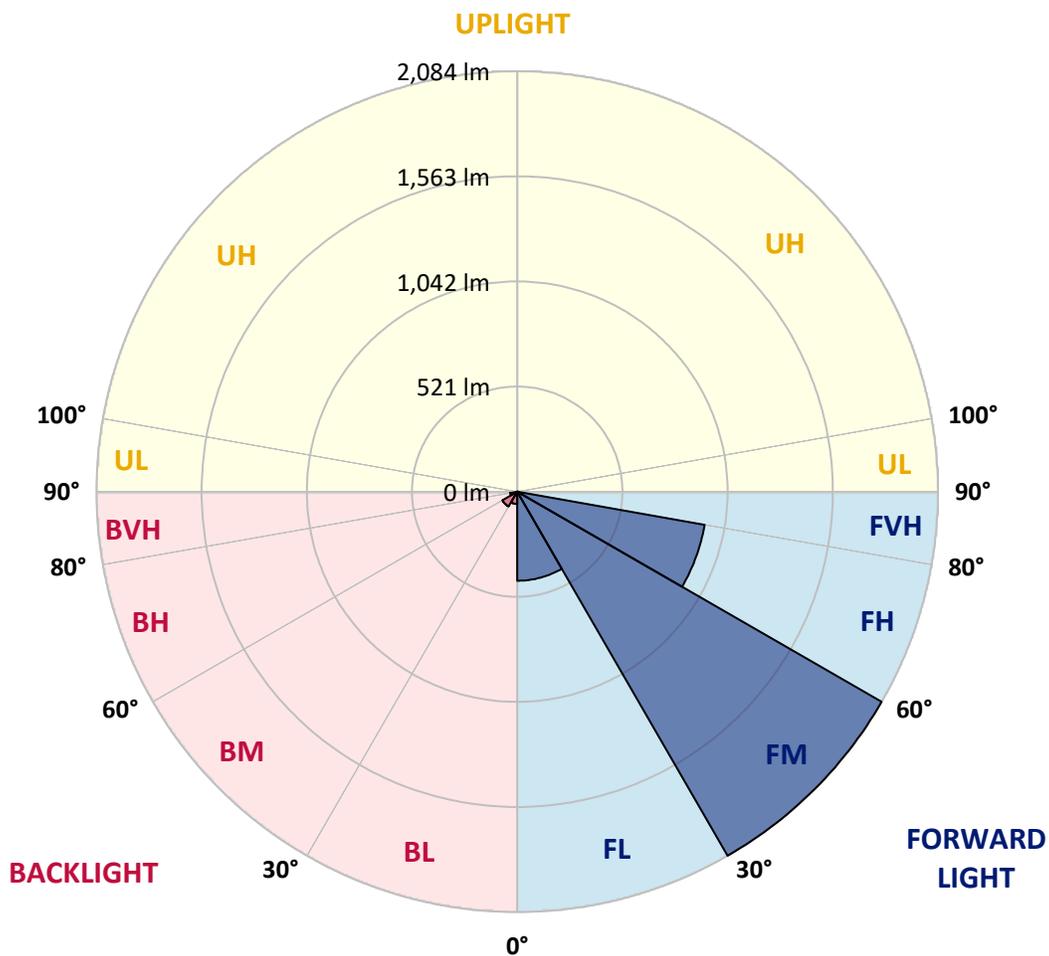
CATALOG NUMBER: UPW-SA1-030-730-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	441.6	12.1			
FM	(30°-60°)	2084.5	57.0			
FH	(60°-80°)	943.0	25.8			G1/1800
FVH	(80°-90°)	8.2	0.2			G0/10
BL	(0°-30°)	61.3	1.7	B0/110		
BM	(30°-60°)	85.0	2.3	B0/220		
BH	(60°-80°)	35.1	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





REPORT NUMBER: P1207811

CATALOG NUMBER: UPW-SA1-030-730-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4
2.5°	463.3	452.9	455.3	448.6	436.4	411.4	390.1	369.9	346.3	345.5	326.1
5°	624.8	616.0	614.8	601.2	579.1	536.6	495.2	448.1	395.5	391.7	350.5
7.5°	771.3	764.3	761.7	745.5	704.3	662.9	609.1	539.8	457.6	450.5	383.3
10°	883.9	880.5	881.1	869.6	834.3	795.9	725.1	636.8	528.0	517.0	422.8
12.5°	969.2	970.0	975.7	968.7	949.0	920.4	844.9	740.2	605.9	591.0	467.8
15°	1031.9	1035.9	1046.4	1055.3	1053.8	1029.1	959.9	845.2	688.6	672.1	518.0
17.5°	1072.4	1076.9	1092.3	1111.9	1129.8	1124.0	1070.8	946.6	772.3	753.2	571.7
20°	1108.0	1113.3	1129.8	1155.6	1189.1	1196.3	1161.4	1044.8	855.8	832.6	627.2
22.5°	1185.1	1185.0	1195.1	1210.1	1242.0	1260.6	1238.5	1136.1	938.4	914.2	683.8
25°	1324.6	1319.3	1315.8	1303.9	1311.0	1322.5	1310.2	1221.4	1021.4	996.9	741.2
27.5°	1490.4	1493.6	1465.0	1433.1	1408.5	1396.6	1376.4	1300.4	1101.3	1074.3	797.3
30°	1665.3	1666.3	1632.6	1591.9	1537.5	1492.5	1457.5	1375.9	1183.4	1154.0	851.8
32.5°	1823.1	1816.8	1783.5	1728.0	1659.4	1608.7	1536.1	1460.2	1270.3	1241.9	912.4
35°	1948.1	1940.7	1900.2	1849.7	1778.5	1727.5	1640.1	1544.4	1361.6	1333.9	973.2
37.5°	2039.5	2030.8	1989.2	1937.2	1875.8	1846.1	1760.8	1636.0	1461.4	1431.5	1037.1
40°	2071.2	2063.7	2037.6	1999.6	1950.2	1943.5	1888.9	1741.3	1569.9	1538.2	1109.6
42.5°	2052.3	2044.9	2035.6	2022.8	2002.3	2008.7	2009.8	1861.4	1690.5	1659.2	1189.6
45°	1977.3	1970.7	1980.3	1999.1	2024.6	2056.3	2120.1	1990.4	1825.1	1791.8	1282.1
47.5°	1866.8	1862.0	1888.6	1935.4	2010.0	2097.5	2221.0	2126.1	1976.3	1945.4	1397.6
50°	1709.7	1708.9	1762.1	1847.6	1962.2	2117.4	2325.2	2280.3	2186.4	2153.8	1558.0
52.5°	1465.0	1466.7	1571.3	1708.1	1878.4	2103.9	2392.2	2478.5	2430.7	2396.9	1697.0
55°	1232.1	1241.7	1315.9	1513.1	1749.8	2053.9	2415.3	2571.0	2565.5	2533.5	1774.3
57.5°	1004.0	1021.4	1092.9	1277.1	1562.0	1938.6	2402.6	2611.1	2665.9	2641.4	1876.3
60°	756.7	764.8	847.2	1019.3	1321.1	1728.3	2310.8	2632.9	2803.1	2786.1	2024.3
62.5°	481.5	501.5	574.6	740.7	1028.6	1436.2	2155.9	2632.5	2974.8	2984.1	2215.2
65°	253.6	277.0	315.8	459.0	706.9	1109.9	1922.9	2607.8	3185.5	3198.5	2364.5
67.5°	136.8	143.5	164.0	238.2	410.0	751.9	1580.6	2486.0	3307.5	3324.7	2385.3
70°	100.0	103.7	111.4	131.8	206.3	436.7	1153.4	2209.8	3150.2	3143.8	2119.3
72.5°	76.8	82.6	88.3	96.5	118.6	233.1	718.1	1730.4	2513.6	2471.2	1584.2
75°	60.6	61.6	69.7	77.1	89.0	132.7	318.9	1007.8	1534.1	1433.9	821.5
77.5°	48.4	49.1	53.9	60.3	71.5	87.2	98.8	396.5	489.8	437.0	178.3
80°	28.7	30.3	40.1	46.5	59.3	55.0	36.1	86.1	76.5	69.3	30.0
82.5°	16.0	17.3	22.6	36.7	41.4	26.3	18.0	23.2	18.0	17.5	8.5
85°	0.0	0.8	14.6	22.8	16.8	5.8	7.5	7.7	5.3	5.0	3.4
87.5°	0.0	0.0	4.5	4.3	0.6	1.0	1.8	2.6	2.1	2.1	1.8
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: P1207811

CATALOG NUMBER: UPW-SA1-030-730-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4
2.5°	316.5	307.8	291.5	275.4	262.0	250.9	241.0	237.0	233.8	233.3	230.7
5°	330.6	313.1	281.9	256.2	239.0	226.9	216.4	210.0	205.1	203.1	201.4
7.5°	351.9	325.5	280.6	251.1	230.5	210.0	190.8	169.9	157.0	152.0	149.1
10°	377.9	341.8	285.4	249.6	213.7	170.4	138.5	112.1	101.3	97.8	96.8
12.5°	408.2	362.2	293.7	240.6	177.8	121.0	95.6	86.6	84.2	83.0	83.0
15°	443.0	384.5	299.6	214.7	131.5	91.5	82.7	78.6	76.0	74.6	74.7
17.5°	478.6	406.3	296.8	177.0	97.0	81.4	74.9	70.4	66.9	65.4	65.1
20°	514.5	426.5	280.7	131.8	82.1	73.9	66.5	61.6	58.0	56.6	56.3
22.5°	551.7	443.6	252.5	96.7	73.7	65.6	58.4	53.4	50.0	48.7	48.1
25°	587.9	457.6	213.1	78.2	65.9	57.7	50.8	46.2	43.1	41.8	41.7
27.5°	621.7	466.4	167.4	69.1	59.0	50.7	44.4	40.2	37.7	36.7	36.6
30°	652.2	467.2	123.8	62.4	52.9	44.6	38.8	35.1	32.9	31.9	31.6
32.5°	683.0	460.5	90.1	56.3	47.3	39.3	33.7	30.8	29.2	28.4	28.4
35°	712.0	444.9	70.2	51.0	41.8	34.1	29.7	27.6	26.6	25.8	25.8
37.5°	740.4	422.6	59.6	46.3	36.7	29.8	26.1	24.9	24.0	23.2	23.2
40°	769.2	394.6	54.2	42.0	32.5	26.5	23.2	22.1	21.3	20.7	20.5
42.5°	804.7	362.2	50.7	38.0	28.9	23.4	20.5	19.2	18.6	18.0	17.6
45°	845.7	334.3	47.8	34.0	25.8	20.8	17.8	16.5	15.6	14.7	14.6
47.5°	904.9	314.1	43.9	29.7	22.9	18.1	15.4	13.9	12.5	11.7	11.5
50°	980.4	297.4	39.0	25.8	20.0	15.4	12.8	11.1	9.8	9.0	9.0
52.5°	1017.9	275.6	34.5	22.4	16.8	13.0	10.4	8.3	7.7	6.9	6.9
55°	1033.0	258.9	30.0	19.1	13.9	10.7	8.2	6.4	5.9	5.5	5.3
57.5°	1075.3	254.1	26.1	16.2	11.5	8.5	6.3	4.8	4.5	3.8	3.8
60°	1143.4	256.5	22.6	13.8	9.3	6.6	4.6	3.7	3.4	2.7	2.7
62.5°	1217.0	253.5	19.1	11.9	7.2	4.8	3.2	2.7	2.7	1.6	1.4
65°	1231.1	225.7	16.4	9.8	5.6	3.5	2.1	1.8	2.4	0.3	0.0
67.5°	1142.6	175.1	14.1	7.5	4.2	2.7	1.6	0.8	2.1	0.0	0.0
70°	913.7	111.3	11.4	5.5	3.2	2.2	1.3	0.3	1.6	0.0	0.0
72.5°	646.1	64.6	9.0	3.8	2.7	1.8	1.0	0.0	1.0	0.0	0.0
75°	326.7	34.5	5.6	2.9	2.1	1.3	0.6	0.0	0.2	0.0	0.0
77.5°	70.7	16.0	3.5	2.1	1.4	0.8	0.3	0.0	0.0	0.0	0.0
80°	15.4	7.1	2.2	1.3	0.8	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	5.6	3.7	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	1.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.6	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)