

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: P1208189

Luminaire Tested: UPW-SA1-040-827-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208189
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-SA1-040-827-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA 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: 3621 lumens
Efficiency: N/A
Efficacy: 82.3 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

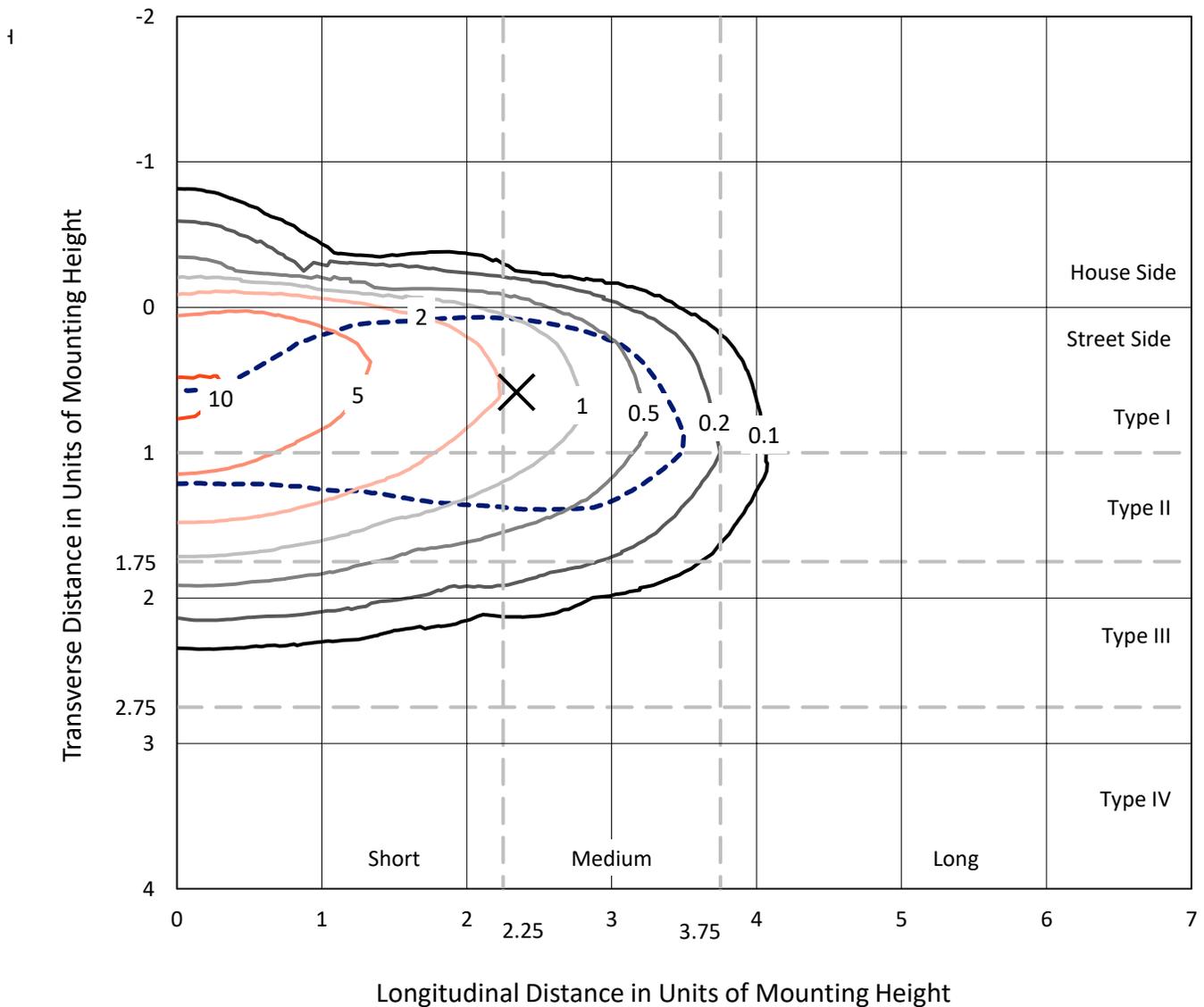
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208189
 CATALOG NUMBER: UPW-SA1-040-827-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

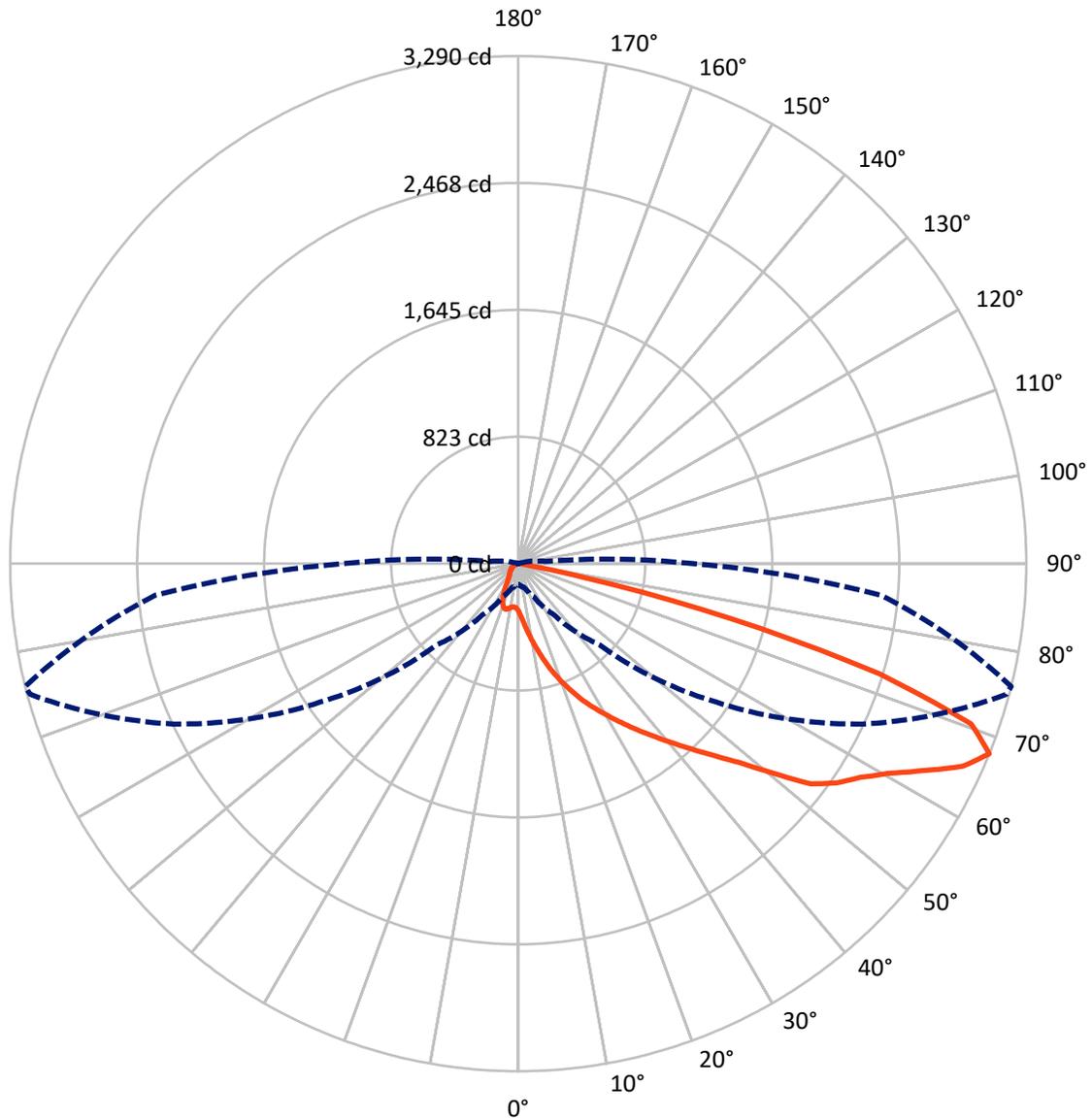
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208189
CATALOG NUMBER: UPW-SA1-040-827-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208189

CATALOG NUMBER: UPW-SA1-040-827-U-T2R-HSS

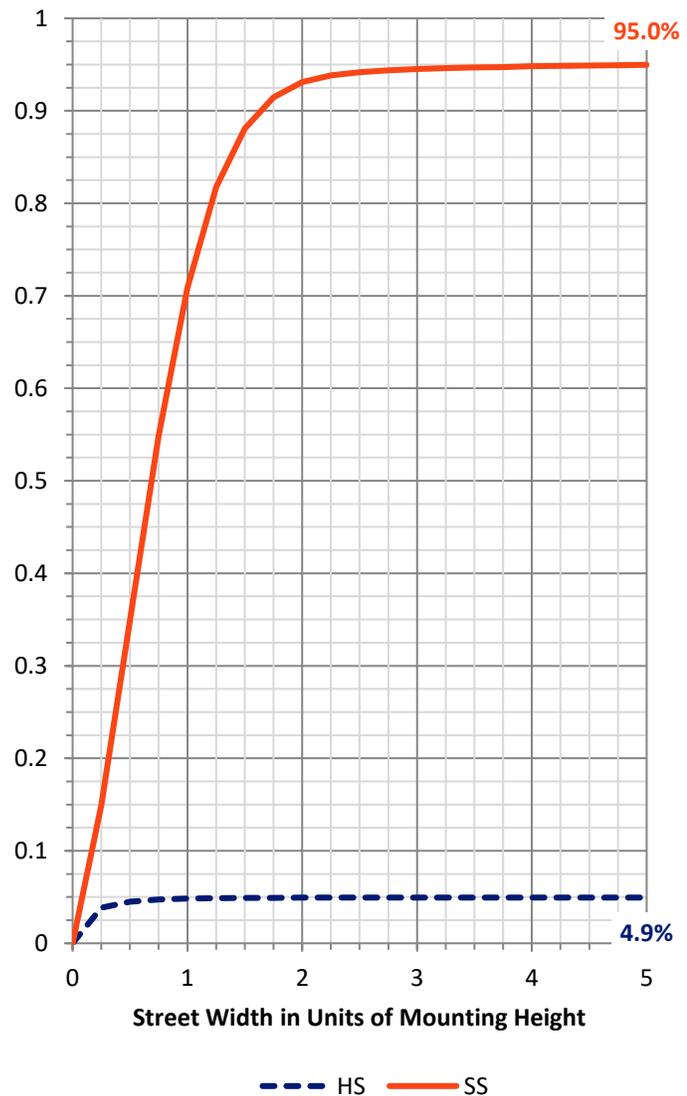
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	179.8	0.0	179.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3441.2	0.0	3441.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	3621.0	0.0	3621.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.1
10°-20°	151.4	4.2
20°-30°	308.1	8.5
30°-40°	534.7	14.8
40°-50°	755.5	20.9
50°-60°	856.8	23.7
60°-70°	710.6	19.6
70°-80°	257.4	7.1
80°-90°	8.3	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°	3621.0	100.0
0°-180°	3621.0	100.0



REPORT NUMBER: P1208189

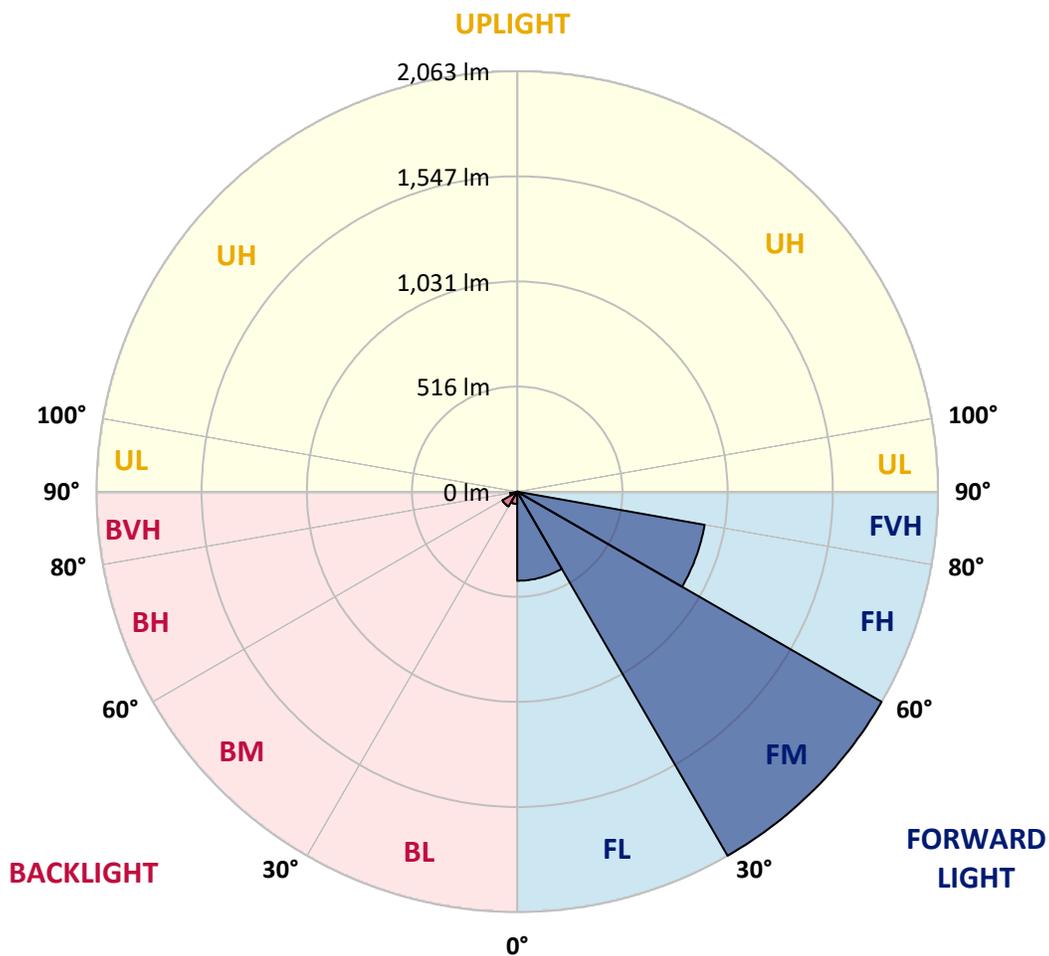
CATALOG NUMBER: UPW-SA1-040-827-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	437.0	12.1			
FM	(30°-60°)	2062.8	57.0			
FH	(60°-80°)	933.3	25.8			G1/1800
FVH	(80°-90°)	8.1	0.2			G0/10
BL	(0°-30°)	60.6	1.7	B0/110		
BM	(30°-60°)	84.2	2.3	B0/220		
BH	(60°-80°)	34.8	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: P1208189

CATALOG NUMBER: UPW-SA1-040-827-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2
2.5°	458.5	448.2	450.6	443.9	431.9	407.1	386.0	366.0	342.7	341.9	322.7
5°	618.3	609.6	608.5	595.0	573.1	531.0	490.1	443.5	391.4	387.6	346.8
7.5°	763.3	756.3	753.8	737.8	697.0	656.1	602.7	534.2	452.8	445.8	379.4
10°	874.7	871.4	872.0	860.6	825.7	787.6	717.6	630.2	522.5	511.7	418.4
12.5°	959.1	959.9	965.6	958.6	939.1	910.9	836.1	732.5	599.6	584.8	463.0
15°	1021.1	1025.1	1035.6	1044.3	1042.9	1018.4	949.9	836.5	681.4	665.1	512.6
17.5°	1061.3	1065.7	1081.0	1100.3	1118.1	1112.4	1059.7	936.7	764.3	745.4	565.8
20°	1096.5	1101.7	1118.1	1143.6	1176.8	1183.9	1149.3	1034.0	846.9	823.9	620.7
22.5°	1172.8	1172.7	1182.7	1197.6	1229.1	1247.5	1225.6	1124.3	928.6	904.7	676.7
25°	1310.8	1305.6	1302.1	1290.4	1297.4	1308.8	1296.6	1208.7	1010.8	986.5	733.5
27.5°	1474.9	1478.1	1449.8	1418.3	1393.8	1382.1	1362.1	1286.9	1089.8	1063.2	789.0
30°	1648.0	1649.0	1615.6	1575.3	1521.5	1477.0	1442.4	1361.6	1171.1	1142.0	843.0
32.5°	1804.1	1797.9	1764.9	1710.0	1642.1	1592.0	1520.1	1445.1	1257.1	1229.0	902.9
35°	1927.9	1920.6	1880.4	1830.5	1760.0	1709.6	1623.1	1528.4	1347.5	1320.1	963.1
37.5°	2018.3	2009.7	1968.5	1917.1	1856.3	1827.0	1742.6	1619.0	1446.2	1416.7	1026.4
40°	2049.7	2042.3	2016.4	1978.8	1929.9	1923.3	1869.3	1723.2	1553.6	1522.2	1098.1
42.5°	2031.0	2023.7	2014.5	2001.8	1981.5	1987.9	1989.0	1842.0	1672.9	1642.0	1177.3
45°	1956.8	1950.2	1959.8	1978.3	2003.6	2035.0	2098.1	1969.8	1806.2	1773.2	1268.8
47.5°	1847.4	1842.7	1869.0	1915.3	1989.1	2075.7	2197.9	2104.0	1955.8	1925.2	1383.0
50°	1691.9	1691.2	1743.8	1828.4	1941.8	2095.4	2301.0	2256.6	2163.6	2131.4	1541.9
52.5°	1449.8	1451.4	1555.0	1690.4	1858.9	2082.1	2367.4	2452.7	2405.4	2372.0	1679.4
55°	1219.3	1228.8	1302.3	1497.4	1731.6	2032.6	2390.2	2544.3	2538.9	2507.1	1755.9
57.5°	993.5	1010.8	1081.6	1263.9	1545.8	1918.5	2377.7	2583.9	2638.2	2613.9	1856.8
60°	748.9	756.8	838.4	1008.8	1307.4	1710.4	2286.8	2605.5	2774.0	2757.2	2003.2
62.5°	476.5	496.3	568.6	733.0	1018.0	1421.3	2133.5	2605.2	2943.9	2953.1	2192.2
65°	251.0	274.2	312.6	454.2	699.5	1098.4	1903.0	2580.8	3152.4	3165.3	2339.9
67.5°	135.3	142.0	162.3	235.8	405.7	744.1	1564.2	2460.2	3273.2	3290.1	2360.5
70°	99.0	102.7	110.3	130.4	204.2	432.2	1141.4	2186.8	3117.5	3111.2	2097.3
72.5°	76.0	81.7	87.4	95.5	117.4	230.7	710.6	1712.4	2487.5	2445.6	1567.7
75°	60.0	60.9	69.0	76.3	88.1	131.4	315.6	997.3	1518.2	1419.1	813.0
77.5°	47.9	48.5	53.3	59.7	70.8	86.3	97.7	392.4	484.7	432.5	176.4
80°	28.4	30.0	39.7	46.0	58.7	54.4	35.7	85.2	75.7	68.5	29.7
82.5°	15.9	17.1	22.4	36.3	40.9	26.0	17.8	23.0	17.8	17.3	8.4
85°	0.0	0.8	14.4	22.5	16.7	5.7	7.5	7.6	5.2	4.9	3.3
87.5°	0.0	0.0	4.4	4.3	0.6	1.0	1.7	2.5	2.1	2.1	1.7
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: P1208189

CATALOG NUMBER: UPW-SA1-040-827-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2	307.2
2.5°	313.2	304.6	288.4	272.6	259.3	248.3	238.5	234.5	231.3	230.9	228.3
5°	327.2	309.9	278.9	253.5	236.6	224.5	214.2	207.8	202.9	201.0	199.3
7.5°	348.3	322.1	277.7	248.5	228.2	207.8	188.8	168.2	155.3	150.4	147.6
10°	374.0	338.3	282.4	247.0	211.5	168.7	137.1	110.9	100.3	96.8	95.8
12.5°	403.9	358.4	290.7	238.1	176.0	119.8	94.6	85.7	83.3	82.2	82.2
15°	438.4	380.5	296.5	212.4	130.1	90.6	81.9	77.7	75.2	73.8	73.9
17.5°	473.6	402.0	293.7	175.2	96.0	80.6	74.1	69.7	66.2	64.7	64.4
20°	509.1	422.0	277.8	130.4	81.2	73.1	65.8	60.9	57.4	56.0	55.7
22.5°	545.9	439.0	249.9	95.7	73.0	64.9	57.8	52.8	49.5	48.2	47.6
25°	581.8	452.8	210.9	77.4	65.2	57.1	50.3	45.7	42.7	41.4	41.3
27.5°	615.3	461.5	165.6	68.4	58.4	50.1	43.9	39.8	37.3	36.3	36.2
30°	645.4	462.3	122.5	61.7	52.4	44.1	38.4	34.7	32.5	31.6	31.3
32.5°	675.9	455.7	89.2	55.7	46.8	38.9	33.3	30.5	28.9	28.1	28.1
35°	704.6	440.3	69.5	50.5	41.4	33.8	29.4	27.3	26.3	25.5	25.5
37.5°	732.7	418.2	59.0	45.9	36.3	29.5	25.9	24.6	23.8	23.0	23.0
40°	761.3	390.5	53.6	41.6	32.2	26.2	23.0	21.9	21.1	20.5	20.3
42.5°	796.3	358.4	50.1	37.6	28.6	23.2	20.3	19.0	18.4	17.8	17.5
45°	836.9	330.8	47.3	33.6	25.5	20.6	17.6	16.3	15.4	14.6	14.4
47.5°	895.5	310.8	43.5	29.4	22.7	17.9	15.2	13.8	12.4	11.6	11.4
50°	970.2	294.3	38.6	25.5	19.8	15.2	12.7	10.9	9.7	8.9	8.9
52.5°	1007.3	272.7	34.1	22.2	16.7	12.9	10.3	8.3	7.6	6.8	6.8
55°	1022.2	256.2	29.7	18.9	13.8	10.6	8.1	6.3	5.9	5.4	5.2
57.5°	1064.1	251.5	25.9	16.0	11.4	8.4	6.2	4.8	4.4	3.8	3.8
60°	1131.6	253.9	22.4	13.6	9.2	6.5	4.6	3.6	3.3	2.7	2.7
62.5°	1204.4	250.8	18.9	11.7	7.1	4.8	3.2	2.7	2.7	1.6	1.4
65°	1218.3	223.4	16.2	9.7	5.6	3.5	2.1	1.7	2.4	0.3	0.0
67.5°	1130.8	173.3	14.0	7.5	4.1	2.7	1.6	0.8	2.1	0.0	0.0
70°	904.2	110.1	11.3	5.4	3.2	2.2	1.3	0.3	1.6	0.0	0.0
72.5°	639.4	63.9	8.9	3.8	2.7	1.7	1.0	0.0	1.0	0.0	0.0
75°	323.3	34.1	5.6	2.9	2.1	1.3	0.6	0.0	0.2	0.0	0.0
77.5°	70.0	15.9	3.5	2.1	1.4	0.8	0.3	0.0	0.0	0.0	0.0
80°	15.2	7.0	2.2	1.3	0.8	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	5.6	3.6	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)