

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: P1208027

Luminaire Tested: UPW-SA1-040-727-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 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: 4120 lumens
Efficiency: N/A
Efficacy: 93.6 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): 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

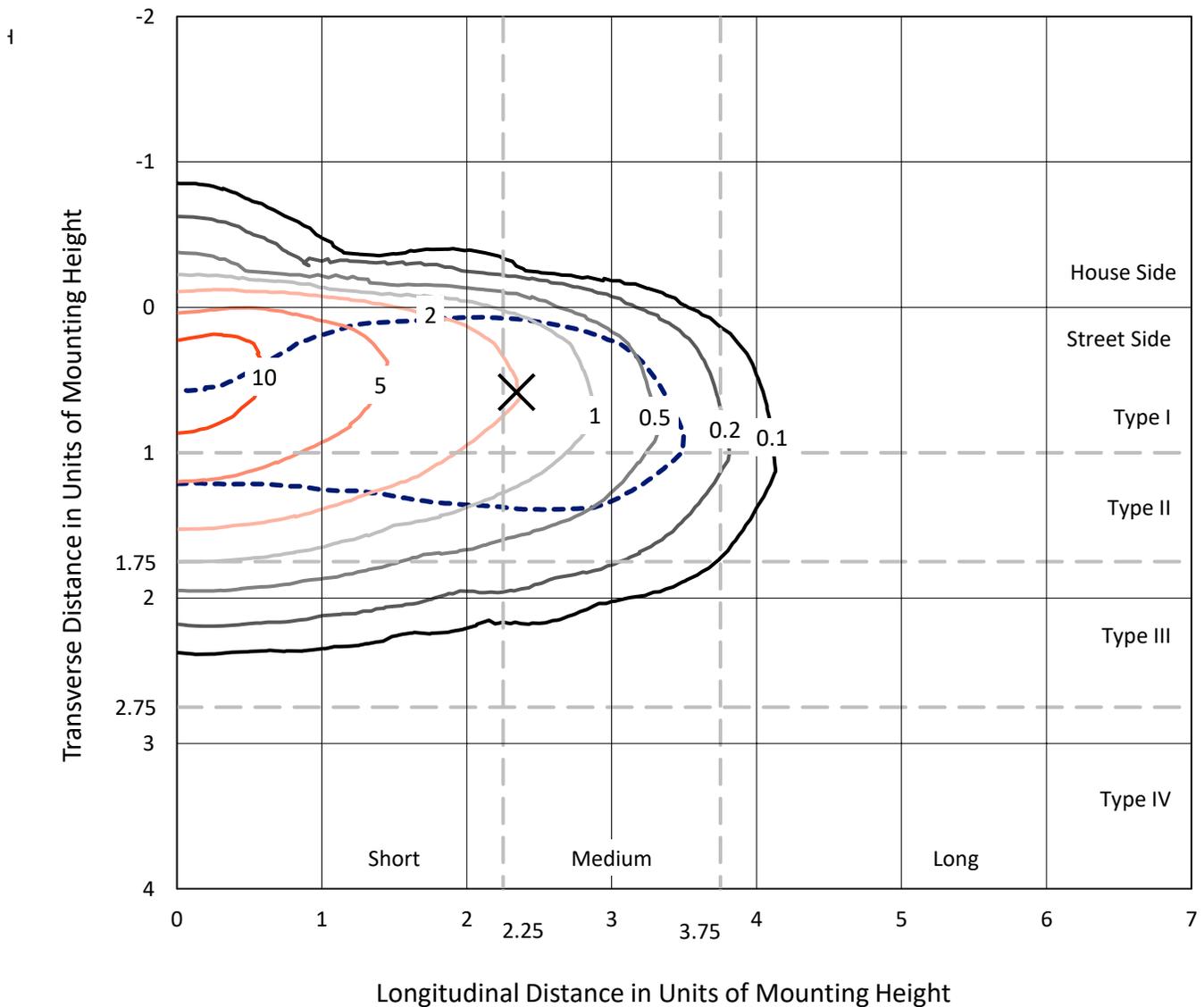


REPORT NUMBER: P1208027

CATALOG NUMBER: UPW-SA1-040-727-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

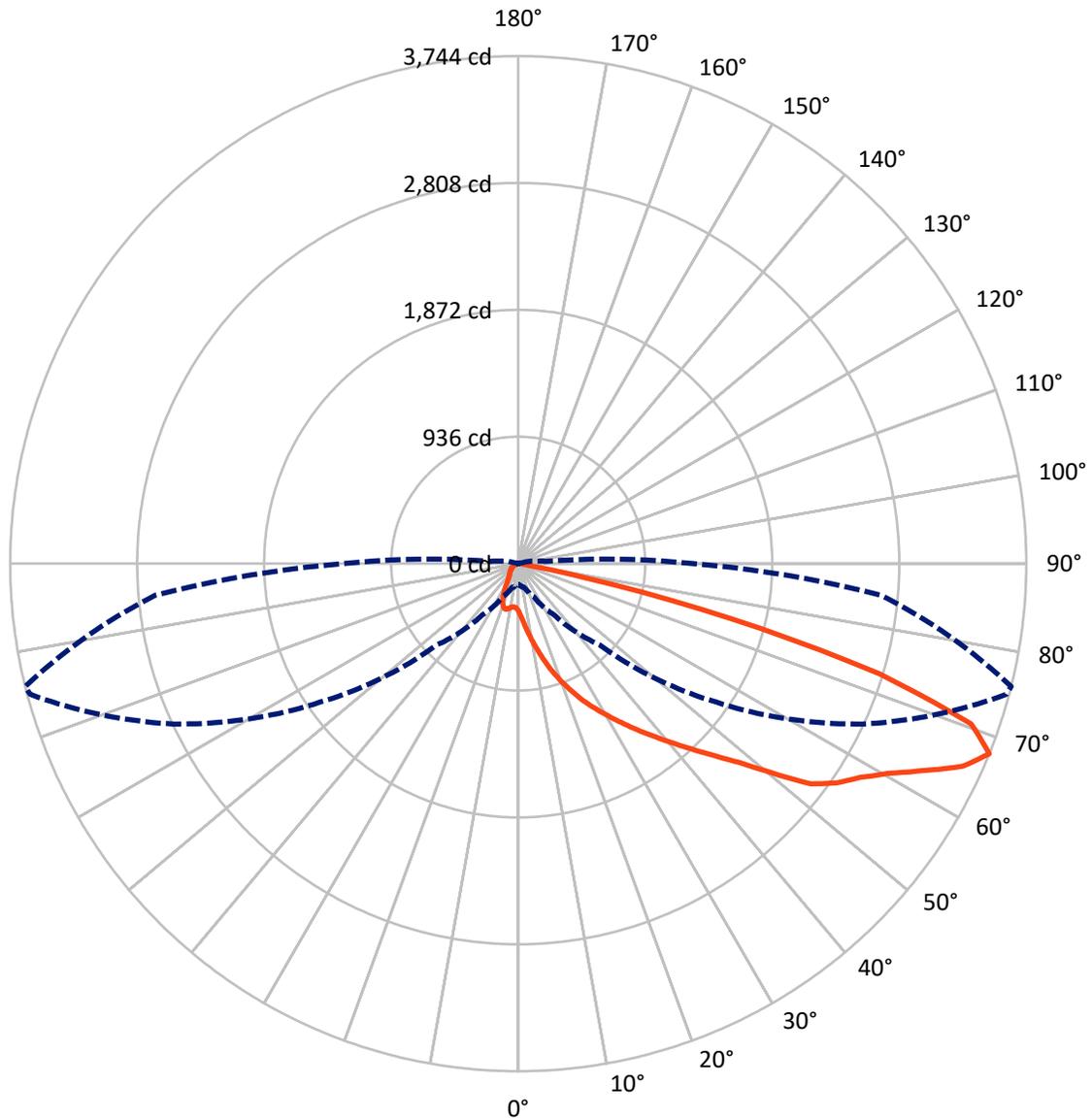


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208027

CATALOG NUMBER: UPW-SA1-040-727-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208027

CATALOG NUMBER: UPW-SA1-040-727-U-T2R-HSS

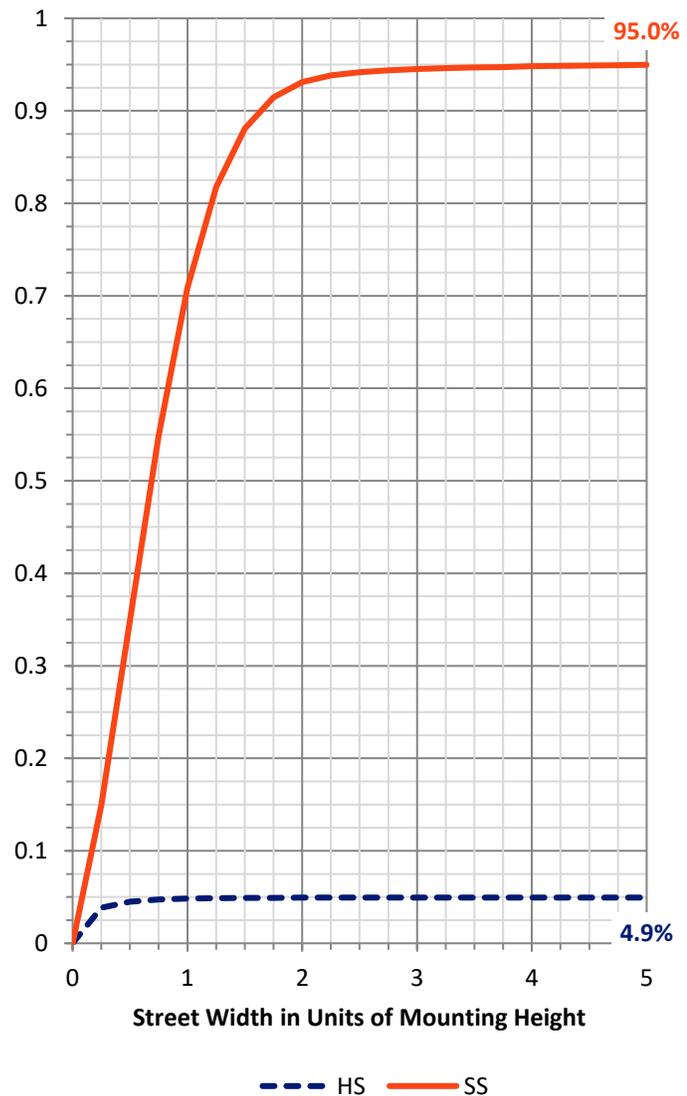
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	204.6	0.0	204.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3915.4	0.0	3915.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	4120.0	0.0	4120.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	1.1
10°-20°	172.3	4.2
20°-30°	350.5	8.5
30°-40°	608.4	14.8
40°-50°	859.6	20.9
50°-60°	974.8	23.7
60°-70°	808.5	19.6
70°-80°	292.9	7.1
80°-90°	9.5	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°	4120.0	100.0
0°-180°	4120.0	100.0



REPORT NUMBER: P1208027

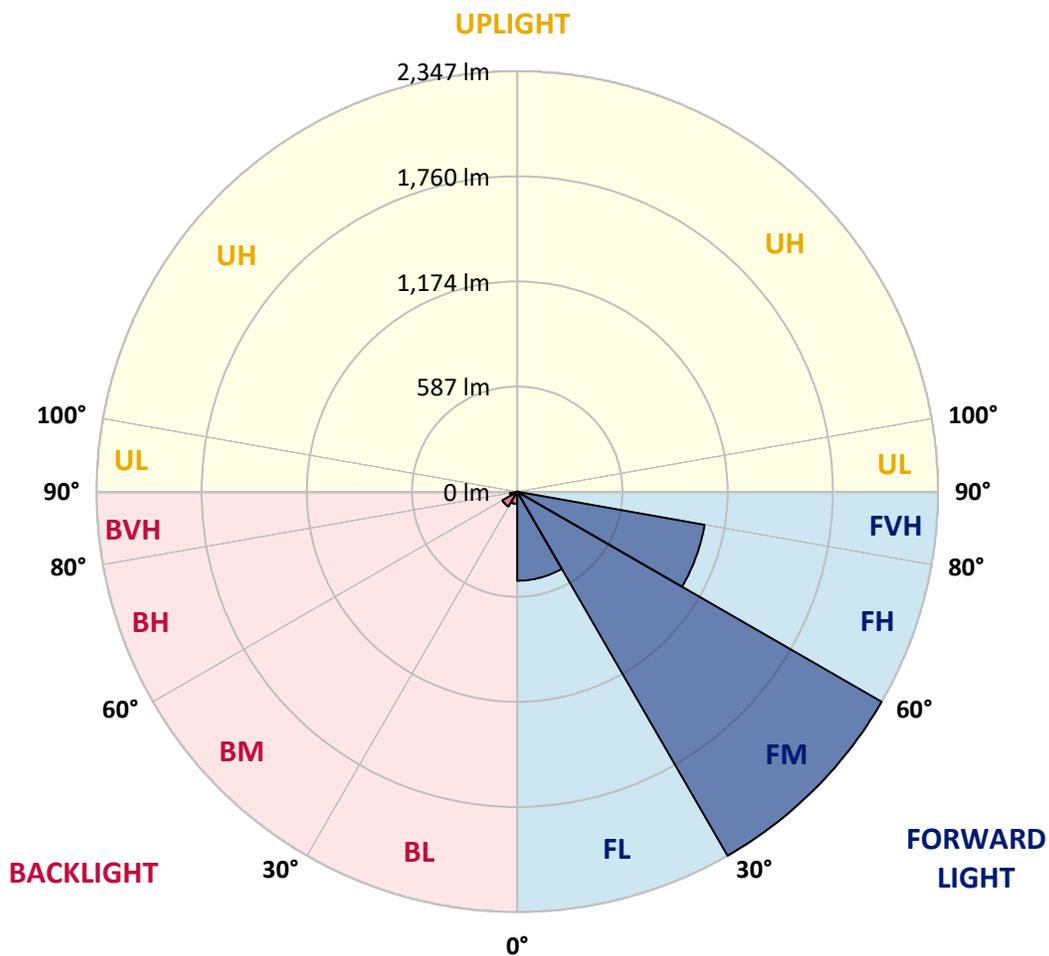
CATALOG NUMBER: UPW-SA1-040-727-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	497.3	12.1			
FM	(30°-60°)	2347.1	57.0			
FH	(60°-80°)	1061.9	25.8			G1/1800
FVH	(80°-90°)	9.2	0.2			G0/10
BL	(0°-30°)	69.0	1.7	B0/110		
BM	(30°-60°)	95.8	2.3	B0/220		
BH	(60°-80°)	39.5	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: P1208027

CATALOG NUMBER: UPW-SA1-040-727-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5
2.5°	521.7	510.0	512.7	505.1	491.4	463.2	439.2	416.5	389.9	389.0	367.2
5°	703.5	693.6	692.3	677.0	652.1	604.2	557.6	504.6	445.4	441.0	394.6
7.5°	868.5	860.6	857.7	839.4	793.0	746.5	685.8	607.8	515.2	507.3	431.6
10°	995.2	991.4	992.2	979.2	939.4	896.1	816.5	717.0	594.5	582.2	476.0
12.5°	1091.3	1092.2	1098.7	1090.7	1068.5	1036.4	951.4	833.5	682.2	665.4	526.8
15°	1161.9	1166.4	1178.3	1188.2	1186.6	1158.8	1080.8	951.7	775.4	756.8	583.3
17.5°	1207.5	1212.6	1229.9	1251.9	1272.2	1265.7	1205.7	1065.8	869.6	848.1	643.8
20°	1247.6	1253.6	1272.2	1301.2	1338.9	1347.1	1307.7	1176.5	963.6	937.5	706.2
22.5°	1334.4	1334.3	1345.6	1362.6	1398.5	1419.5	1394.6	1279.2	1056.6	1029.4	769.9
25°	1491.5	1485.5	1481.6	1468.2	1476.1	1489.1	1475.2	1375.2	1150.1	1122.5	834.6
27.5°	1678.2	1681.8	1649.6	1613.7	1585.9	1572.5	1549.8	1464.2	1240.0	1209.7	897.7
30°	1875.1	1876.2	1838.3	1792.4	1731.2	1680.5	1641.1	1549.3	1332.5	1299.4	959.1
32.5°	2052.7	2045.7	2008.2	1945.7	1868.4	1811.4	1729.6	1644.2	1430.3	1398.3	1027.4
35°	2193.6	2185.2	2139.6	2082.7	2002.6	1945.2	1846.8	1739.0	1533.2	1502.0	1095.8
37.5°	2296.5	2286.7	2239.8	2181.3	2112.1	2078.7	1982.7	1842.1	1645.5	1611.9	1167.8
40°	2332.2	2323.7	2294.3	2251.5	2195.9	2188.3	2126.9	1960.7	1767.7	1732.0	1249.4
42.5°	2310.9	2302.6	2292.1	2277.7	2254.6	2261.8	2263.1	2095.9	1903.4	1868.2	1339.5
45°	2226.4	2219.0	2229.8	2251.0	2279.7	2315.4	2387.3	2241.2	2055.1	2017.5	1443.7
47.5°	2102.0	2096.6	2126.6	2179.3	2263.2	2361.8	2500.8	2393.9	2225.3	2190.5	1573.6
50°	1925.1	1924.2	1984.1	2080.4	2209.4	2384.2	2618.1	2567.6	2461.8	2425.2	1754.3
52.5°	1649.6	1651.4	1769.3	1923.3	2115.0	2369.0	2693.6	2790.7	2736.9	2698.8	1910.9
55°	1387.3	1398.2	1481.7	1703.8	1970.2	2312.7	2719.6	2894.9	2888.8	2852.6	1997.9
57.5°	1130.4	1150.1	1230.6	1438.1	1758.8	2182.9	2705.3	2940.0	3001.8	2974.1	2112.7
60°	852.1	861.1	953.9	1147.8	1487.5	1946.1	2601.9	2964.6	3156.3	3137.2	2279.3
62.5°	542.1	564.7	647.0	834.0	1158.2	1617.1	2427.5	2964.2	3349.6	3360.1	2494.3
65°	285.6	311.9	355.6	516.8	795.9	1249.8	2165.2	2936.4	3586.8	3601.5	2662.4
67.5°	154.0	161.6	184.7	268.3	461.6	846.7	1779.8	2799.2	3724.2	3743.5	2685.8
70°	112.6	116.8	125.5	148.4	232.3	491.7	1298.7	2488.2	3547.1	3539.9	2386.4
72.5°	86.5	93.0	99.5	108.7	133.6	262.5	808.6	1948.4	2830.3	2782.6	1783.8
75°	68.2	69.3	78.5	86.8	100.2	149.5	359.1	1134.8	1727.4	1614.6	925.0
77.5°	54.5	55.2	60.7	67.9	80.5	98.2	111.2	446.4	551.5	492.1	200.7
80°	32.3	34.1	45.1	52.4	66.8	61.9	40.6	96.9	86.1	78.0	33.8
82.5°	18.1	19.5	25.5	41.3	46.6	29.6	20.2	26.2	20.2	19.7	9.6
85°	0.0	0.9	16.4	25.6	19.0	6.5	8.5	8.7	6.0	5.6	3.8
87.5°	0.0	0.0	5.1	4.9	0.7	1.1	2.0	2.9	2.3	2.3	2.0
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: P1208027

CATALOG NUMBER: UPW-SA1-040-727-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5	349.5
2.5°	356.4	346.6	328.2	310.1	295.0	282.5	271.3	266.8	263.2	262.7	259.8
5°	372.2	352.6	317.4	288.5	269.2	255.4	243.7	236.5	230.9	228.7	226.7
7.5°	396.3	366.5	315.9	282.7	259.6	236.5	214.8	191.4	176.7	171.1	167.9
10°	425.5	384.9	321.3	281.1	240.6	191.9	156.0	126.2	114.1	110.1	109.0
12.5°	459.6	407.8	330.7	271.0	200.2	136.3	107.6	97.5	94.8	93.5	93.5
15°	498.8	432.9	337.4	241.7	148.0	103.1	93.2	88.5	85.6	83.9	84.1
17.5°	538.9	457.4	334.2	199.3	109.2	91.7	84.3	79.3	75.3	73.7	73.3
20°	579.3	480.2	316.1	148.4	92.4	83.2	74.9	69.3	65.3	63.7	63.4
22.5°	621.2	499.5	284.3	108.9	83.0	73.8	65.7	60.1	56.3	54.9	54.2
25°	662.0	515.2	239.9	88.1	74.2	65.0	57.2	52.0	48.6	47.1	46.9
27.5°	700.1	525.1	188.5	77.8	66.4	57.0	50.0	45.3	42.4	41.3	41.2
30°	734.4	526.0	139.4	70.2	59.6	50.2	43.7	39.5	37.0	35.9	35.6
32.5°	769.0	518.5	101.5	63.4	53.3	44.2	37.9	34.7	32.9	32.0	32.0
35°	801.7	501.0	79.1	57.4	47.1	38.5	33.4	31.1	30.0	29.1	29.1
37.5°	833.7	475.9	67.2	52.2	41.3	33.6	29.4	28.0	27.1	26.2	26.2
40°	866.2	444.3	61.0	47.3	36.6	29.8	26.2	24.9	24.0	23.3	23.1
42.5°	906.1	407.8	57.0	42.8	32.5	26.4	23.1	21.7	20.9	20.2	19.9
45°	952.3	376.4	53.8	38.3	29.1	23.5	20.0	18.6	17.5	16.6	16.4
47.5°	1018.9	353.6	49.5	33.4	25.8	20.4	17.3	15.7	14.1	13.2	13.0
50°	1103.9	334.9	43.9	29.1	22.6	17.3	14.4	12.5	11.0	10.1	10.1
52.5°	1146.1	310.3	38.8	25.3	19.0	14.6	11.7	9.4	8.7	7.8	7.8
55°	1163.1	291.5	33.8	21.5	15.7	12.1	9.2	7.2	6.7	6.1	6.0
57.5°	1210.8	286.1	29.4	18.2	13.0	9.6	7.0	5.4	5.1	4.3	4.3
60°	1287.5	288.8	25.5	15.5	10.5	7.4	5.2	4.2	3.8	3.1	3.1
62.5°	1370.4	285.4	21.5	13.4	8.1	5.4	3.6	3.1	3.1	1.8	1.6
65°	1386.2	254.2	18.4	11.0	6.3	4.0	2.3	2.0	2.7	0.4	0.0
67.5°	1286.6	197.1	15.9	8.5	4.7	3.1	1.8	0.9	2.3	0.0	0.0
70°	1028.8	125.3	12.8	6.1	3.6	2.5	1.4	0.4	1.8	0.0	0.0
72.5°	727.5	72.8	10.1	4.3	3.1	2.0	1.1	0.0	1.1	0.0	0.0
75°	367.9	38.8	6.3	3.2	2.3	1.4	0.7	0.0	0.2	0.0	0.0
77.5°	79.6	18.1	4.0	2.3	1.6	0.9	0.4	0.0	0.0	0.0	0.0
80°	17.3	7.9	2.5	1.4	0.9	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	6.3	4.2	1.3	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.4	2.2	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)