

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: P1208621

Luminaire Tested: UPW-SA1-070-750-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208621
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-SA1-070-750-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA 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: 6687 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

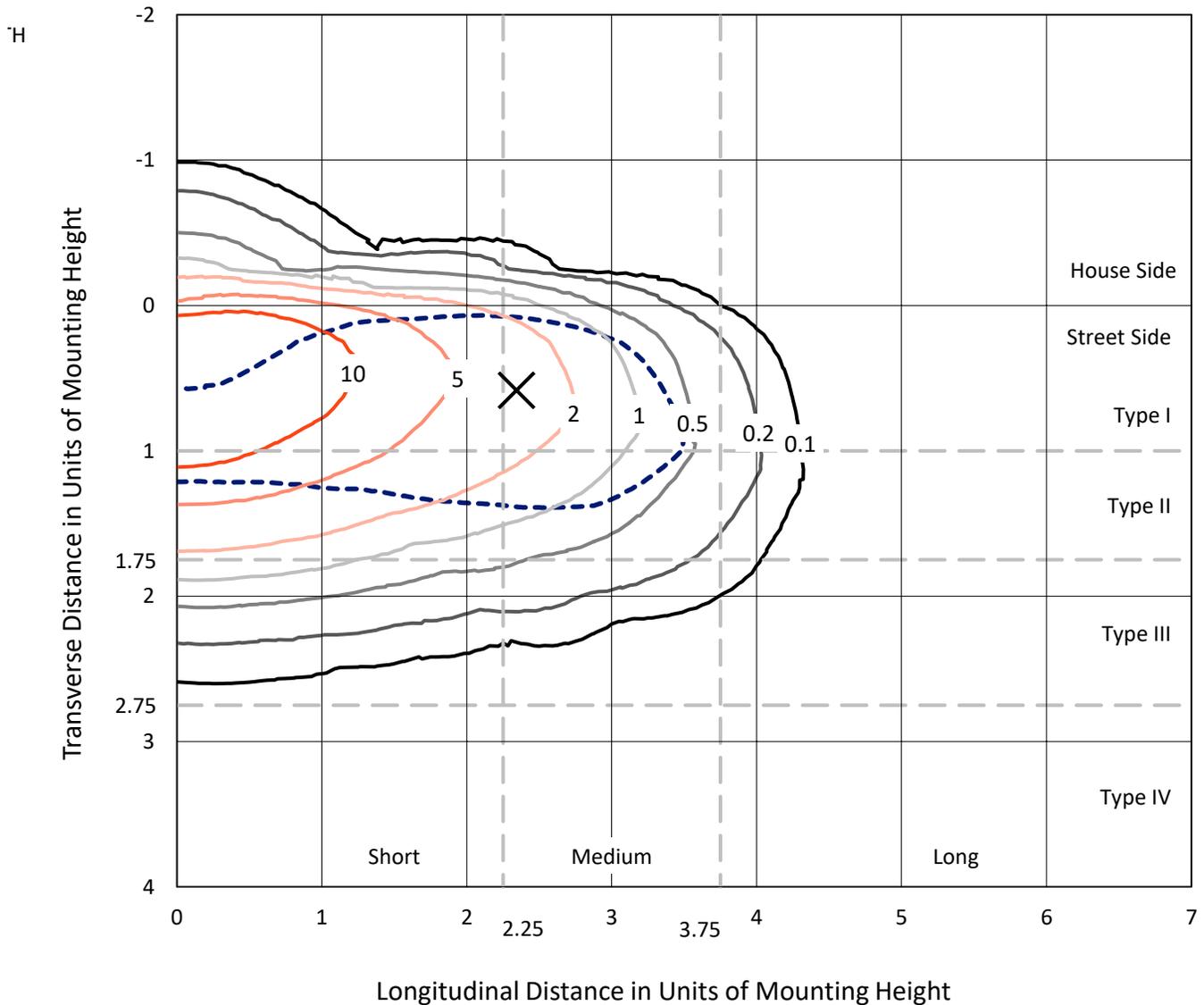
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208621
 CATALOG NUMBER: UPW-SA1-070-750-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

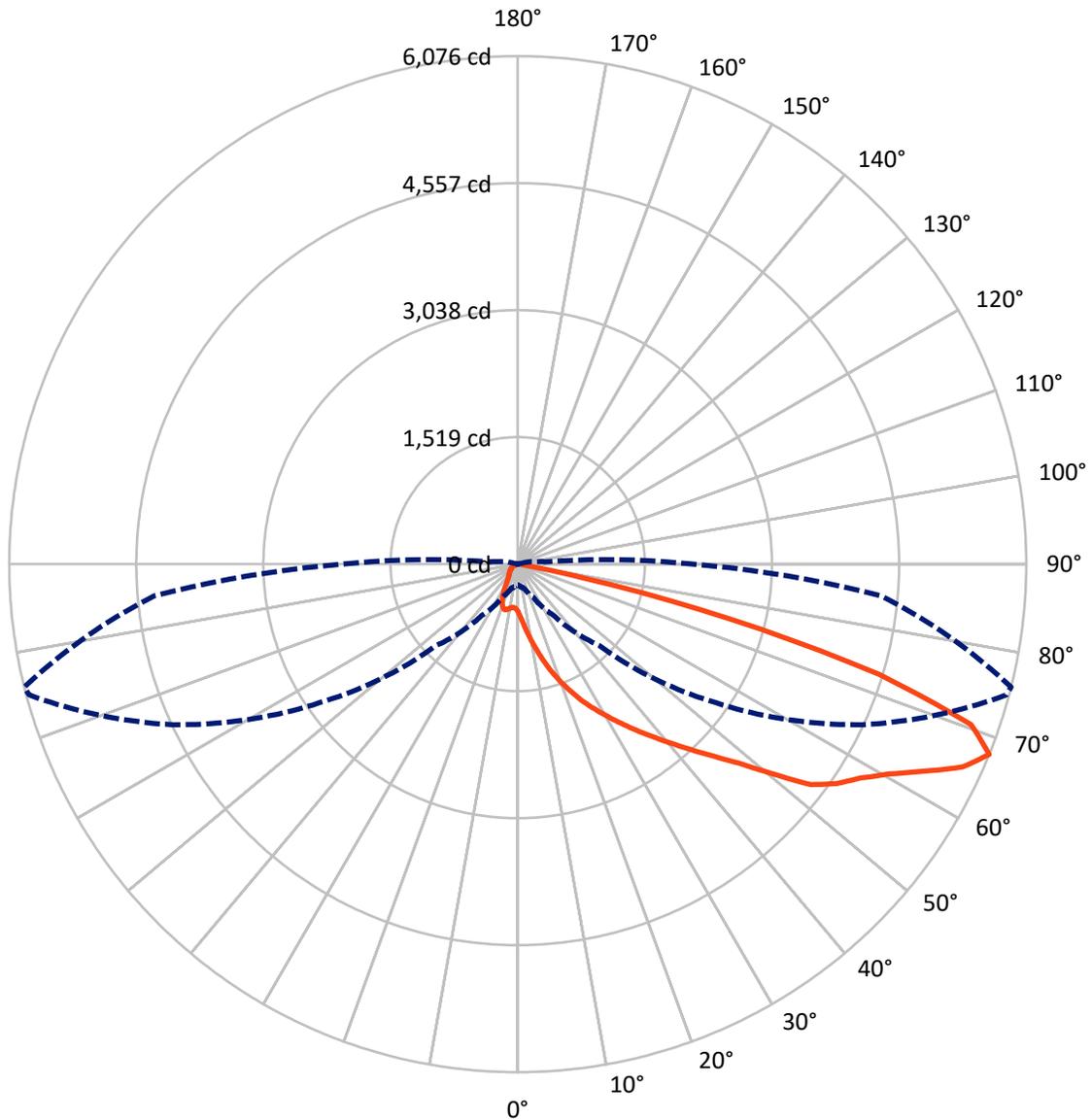
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208621
CATALOG NUMBER: UPW-SA1-070-750-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208621

CATALOG NUMBER: UPW-SA1-070-750-U-T2R-HSS

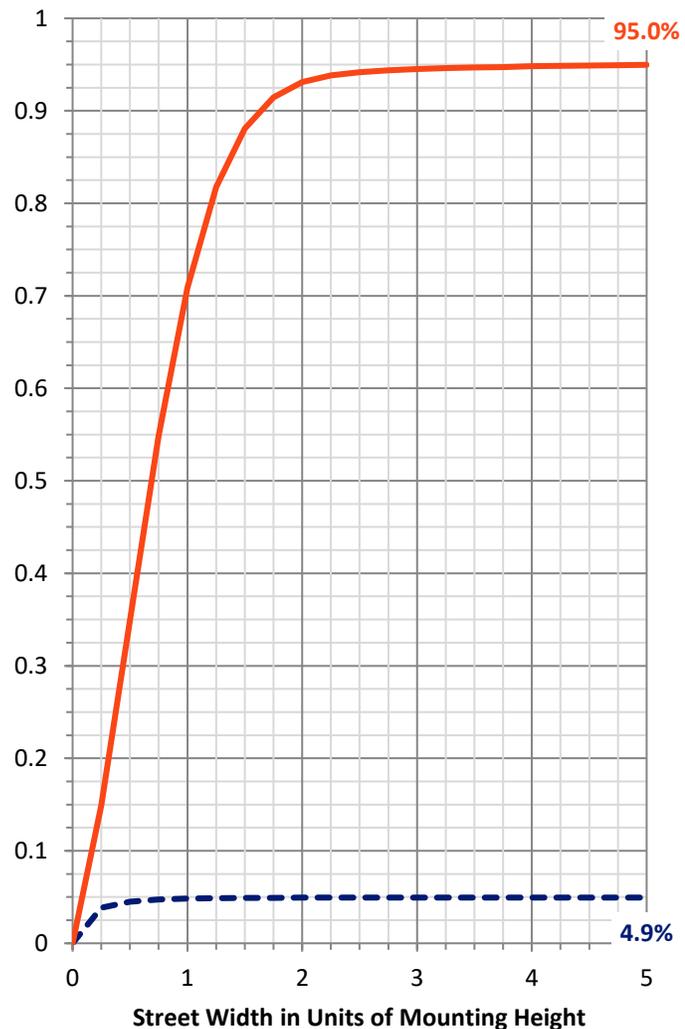
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.1	0.0	332.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	6354.9	0.0	6354.9
	% Fixture	95.0	0.0	95.0
Total	Lumens	6687.0	0.0	6687.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.1
10°-20°	279.6	4.2
20°-30°	568.9	8.5
30°-40°	987.5	14.8
40°-50°	1395.2	20.9
50°-60°	1582.2	23.7
60°-70°	1312.3	19.6
70°-80°	475.3	7.1
80°-90°	15.4	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°	6687.0	100.0
0°-180°	6687.0	100.0



REPORT NUMBER: P1208621

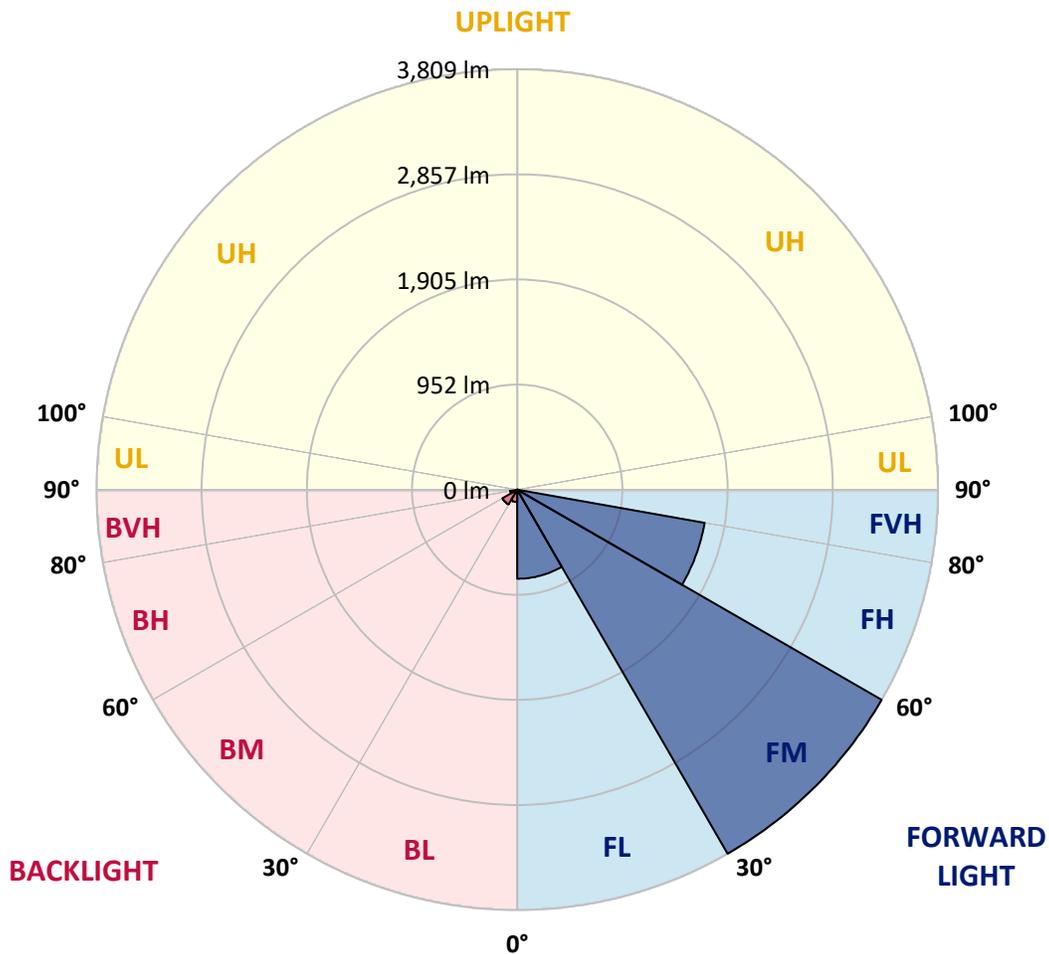
CATALOG NUMBER: UPW-SA1-070-750-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	807.1	12.1			
FM	(30°-60°)	3809.5	57.0			
FH	(60°-80°)	1723.5	25.8			G1/1800
FVH	(80°-90°)	14.9	0.2			G1/100
BL	(0°-30°)	112.0	1.7	B1/500		
BM	(30°-60°)	155.4	2.3	B0/220		
BH	(60°-80°)	64.2	1.0	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





REPORT NUMBER: P1208621

CATALOG NUMBER: UPW-SA1-070-750-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3
2.5°	846.8	827.7	832.1	819.8	797.6	751.8	712.9	676.0	632.9	631.4	596.0
5°	1141.8	1125.7	1123.7	1098.8	1058.3	980.7	905.1	818.9	722.8	715.8	640.5
7.5°	1409.6	1396.7	1392.1	1362.5	1287.2	1211.6	1113.1	986.5	836.2	823.3	700.6
10°	1615.3	1609.2	1610.3	1589.2	1524.8	1454.5	1325.2	1163.8	964.9	944.9	772.6
12.5°	1771.2	1772.7	1783.2	1770.3	1734.3	1682.1	1544.1	1352.8	1107.3	1080.0	855.0
15°	1885.8	1893.1	1912.4	1928.5	1925.9	1880.8	1754.2	1544.7	1258.4	1228.3	946.7
17.5°	1959.9	1968.1	1996.2	2032.0	2064.8	2054.2	1957.0	1729.9	1411.4	1376.5	1044.8
20°	2024.9	2034.6	2064.8	2112.0	2173.2	2186.4	2122.5	1909.5	1564.0	1521.6	1146.2
22.5°	2165.9	2165.6	2184.0	2211.6	2269.9	2303.9	2263.4	2076.2	1714.9	1670.7	1249.7
25°	2420.8	2411.1	2404.7	2383.0	2395.9	2417.0	2394.4	2232.1	1866.7	1821.9	1354.5
27.5°	2723.7	2729.6	2677.4	2619.1	2574.0	2552.3	2515.4	2376.5	2012.6	1963.4	1457.1
30°	3043.4	3045.2	2983.6	2909.2	2809.9	2727.6	2663.7	2514.5	2162.6	2109.0	1556.7
32.5°	3331.7	3320.3	3259.4	3158.0	3032.6	2940.0	2807.2	2668.7	2321.5	2269.6	1667.5
35°	3560.3	3546.8	3472.7	3380.4	3250.3	3157.1	2997.4	2822.5	2488.5	2437.8	1778.5
37.5°	3727.3	3711.5	3635.3	3540.3	3428.1	3373.9	3218.0	2989.8	2670.7	2616.2	1895.4
40°	3785.3	3771.5	3723.8	3654.3	3564.1	3551.8	3452.1	3182.3	2869.1	2811.1	2027.9
42.5°	3750.7	3737.2	3720.2	3696.8	3659.3	3671.0	3673.1	3401.7	3089.4	3032.3	2174.1
45°	3613.6	3601.6	3619.2	3653.4	3700.0	3758.0	3874.7	3637.6	3335.5	3274.6	2343.1
47.5°	3411.7	3402.9	3451.6	3537.1	3673.4	3833.3	4059.0	3885.5	3611.8	3555.3	2554.1
50°	3124.6	3123.1	3220.4	3376.6	3586.0	3869.7	4249.4	4167.4	3995.7	3936.2	2847.4
52.5°	2677.4	2680.4	2871.7	3121.6	3432.8	3845.1	4371.9	4529.5	4442.2	4380.4	3101.4
55°	2251.7	2269.3	2405.0	2765.3	3197.8	3753.6	4414.1	4698.6	4688.6	4630.0	3242.6
57.5°	1834.8	1866.7	1997.4	2334.1	2854.7	3543.0	4390.9	4771.8	4872.0	4827.2	3429.0
60°	1383.0	1397.6	1548.2	1862.9	2414.3	3158.6	4223.0	4811.7	5122.8	5091.8	3699.4
62.5°	879.9	916.5	1050.1	1353.7	1879.9	2624.7	3940.0	4811.1	5436.6	5453.6	4048.4
65°	463.5	506.3	577.2	838.9	1291.8	2028.5	3514.3	4766.0	5821.7	5845.4	4321.2
67.5°	249.9	262.2	299.7	435.4	749.2	1374.2	2888.7	4543.3	6044.6	6076.0	4359.3
70°	182.8	189.6	203.6	240.8	377.1	798.1	2107.9	4038.4	5757.2	5745.5	3873.2
72.5°	140.3	150.9	161.4	176.4	216.8	426.0	1312.4	3162.4	4593.7	4516.3	2895.1
75°	110.8	112.5	127.5	140.9	162.6	242.6	582.8	1841.8	2803.7	2620.6	1501.3
77.5°	88.5	89.7	98.4	110.2	130.7	159.4	180.5	724.6	895.1	798.7	325.8
80°	52.4	55.4	73.3	85.0	108.4	100.5	65.9	157.3	139.8	126.6	54.8
82.5°	29.3	31.6	41.3	67.1	75.6	48.1	32.8	42.5	32.8	31.9	15.5
85°	0.0	1.5	26.7	41.6	30.8	10.5	13.8	14.1	9.7	9.1	6.2
87.5°	0.0	0.0	8.2	7.9	1.2	1.8	3.2	4.7	3.8	3.8	3.2
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: P1208621

CATALOG NUMBER: UPW-SA1-070-750-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3	567.3
2.5°	578.4	562.6	532.7	503.4	478.8	458.5	440.4	433.1	427.2	426.3	421.6
5°	604.2	572.2	515.1	468.2	436.9	414.6	395.6	383.8	374.7	371.2	368.0
7.5°	643.1	594.8	512.8	458.8	421.3	383.8	348.7	310.6	286.8	277.8	272.5
10°	690.6	624.7	521.5	456.2	390.6	311.5	253.2	204.8	185.2	178.7	177.0
12.5°	746.0	661.9	536.8	439.8	324.9	221.2	174.6	158.2	153.8	151.8	151.8
15°	809.6	702.6	547.6	392.3	240.3	167.3	151.2	143.6	138.9	136.2	136.5
17.5°	874.6	742.5	542.3	323.5	177.3	148.8	136.8	128.6	122.2	119.5	119.0
20°	940.2	779.4	513.0	240.8	150.0	135.1	121.6	112.5	106.1	103.4	102.8
22.5°	1008.2	810.7	461.5	176.7	134.8	119.8	106.7	97.6	91.4	89.1	87.9
25°	1074.4	836.2	389.4	143.0	120.4	105.5	92.9	84.4	78.8	76.5	76.2
27.5°	1136.3	852.3	305.9	126.3	107.8	92.6	81.2	73.5	68.9	67.1	66.8
30°	1191.9	853.8	226.2	114.0	96.7	81.5	70.9	64.2	60.1	58.3	57.7
32.5°	1248.2	841.5	164.7	102.8	86.4	71.8	61.5	56.3	53.3	51.9	51.9
35°	1301.2	813.1	128.3	93.2	76.5	62.4	54.2	50.4	48.6	47.2	47.2
37.5°	1353.1	772.4	109.0	84.7	67.1	54.5	47.8	45.4	44.0	42.5	42.5
40°	1405.8	721.1	99.0	76.8	59.5	48.3	42.5	40.4	39.0	37.8	37.5
42.5°	1470.6	661.9	92.6	69.4	52.7	42.8	37.5	35.2	34.0	32.8	32.2
45°	1545.6	610.9	87.3	62.1	47.2	38.1	32.5	30.2	28.4	27.0	26.7
47.5°	1653.7	574.0	80.3	54.2	41.9	33.1	28.1	25.5	22.9	21.4	21.1
50°	1791.7	543.5	71.2	47.2	36.6	28.1	23.4	20.2	17.9	16.4	16.4
52.5°	1860.3	503.7	63.0	41.0	30.8	23.7	19.0	15.2	14.1	12.6	12.6
55°	1887.8	473.2	54.8	34.9	25.5	19.6	14.9	11.7	10.8	10.0	9.7
57.5°	1965.2	464.4	47.8	29.6	21.1	15.5	11.4	8.8	8.2	7.0	7.0
60°	2089.7	468.8	41.3	25.2	17.0	12.0	8.5	6.7	6.2	5.0	5.0
62.5°	2224.2	463.2	34.9	21.7	13.2	8.8	5.9	5.0	5.0	2.9	2.6
65°	2250.0	412.5	29.9	17.9	10.3	6.4	3.8	3.2	4.4	0.6	0.0
67.5°	2088.2	320.0	25.8	13.8	7.6	5.0	2.9	1.5	3.8	0.0	0.0
70°	1669.8	203.3	20.8	10.0	5.9	4.1	2.3	0.6	2.9	0.0	0.0
72.5°	1180.8	118.1	16.4	7.0	5.0	3.2	1.8	0.0	1.8	0.0	0.0
75°	597.1	63.0	10.3	5.3	3.8	2.3	1.2	0.0	0.3	0.0	0.0
77.5°	129.2	29.3	6.4	3.8	2.6	1.5	0.6	0.0	0.0	0.0	0.0
80°	28.1	12.9	4.1	2.3	1.5	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	10.3	6.7	2.1	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.6	3.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	1.2	0.3	0.3	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)